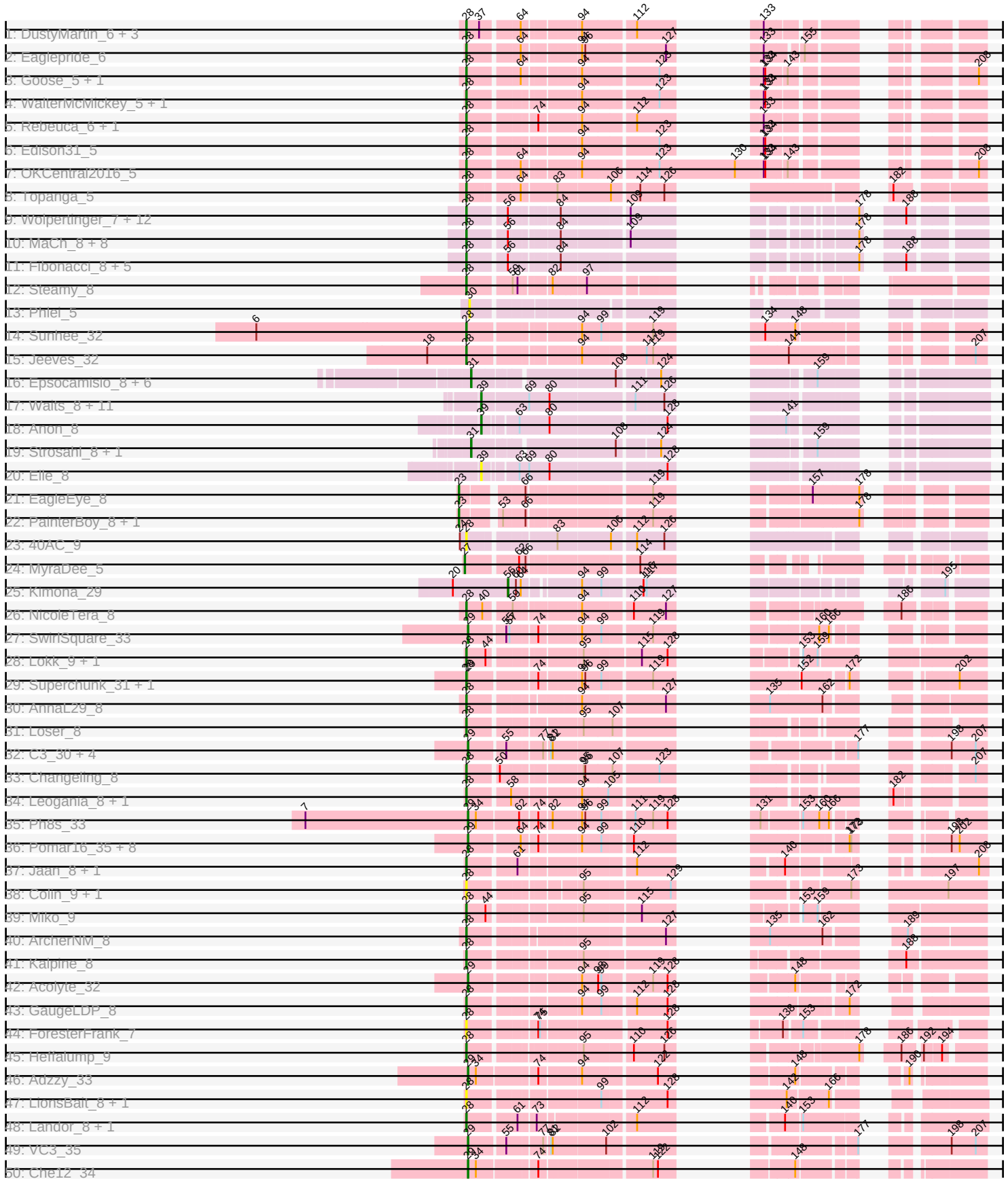
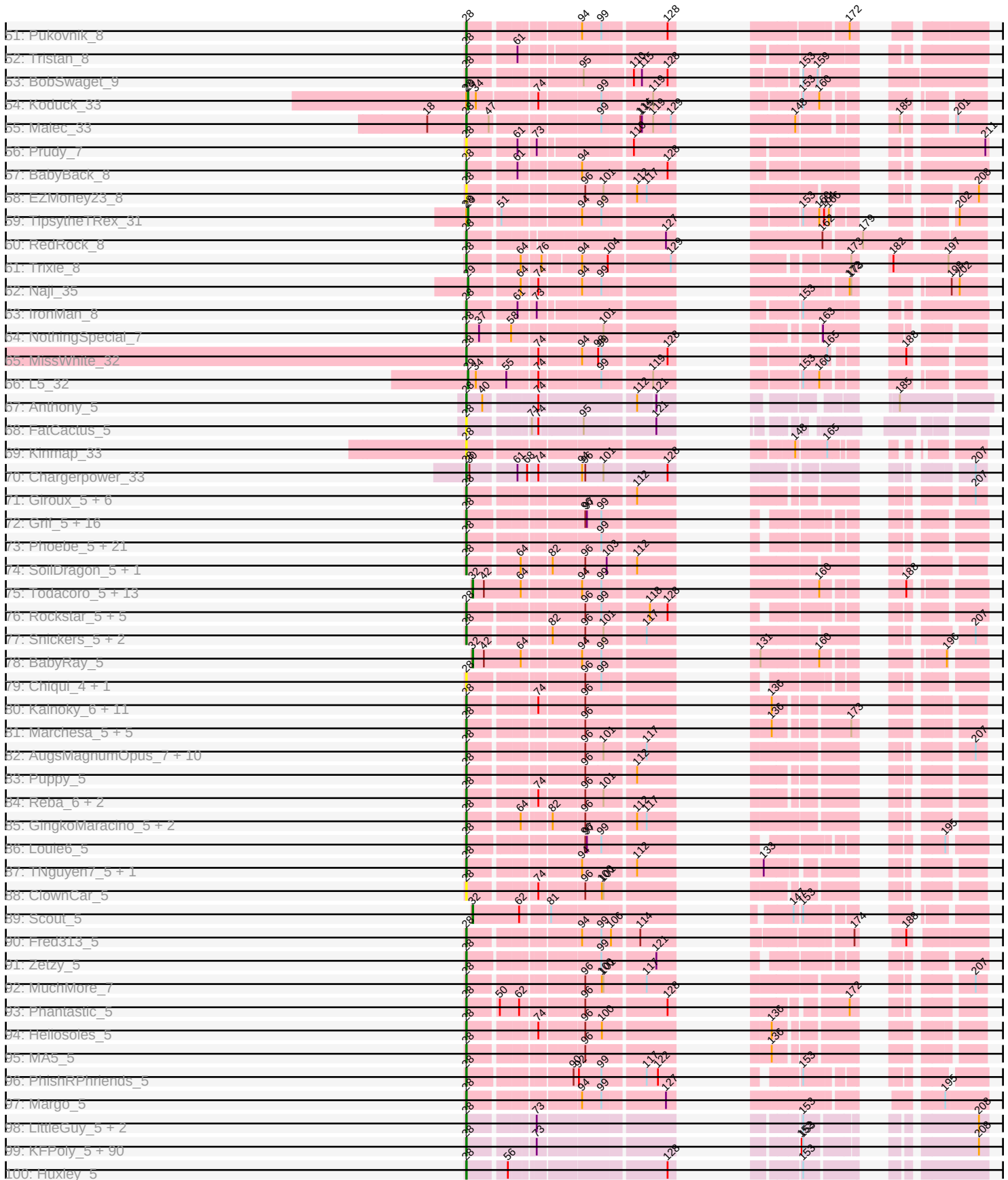
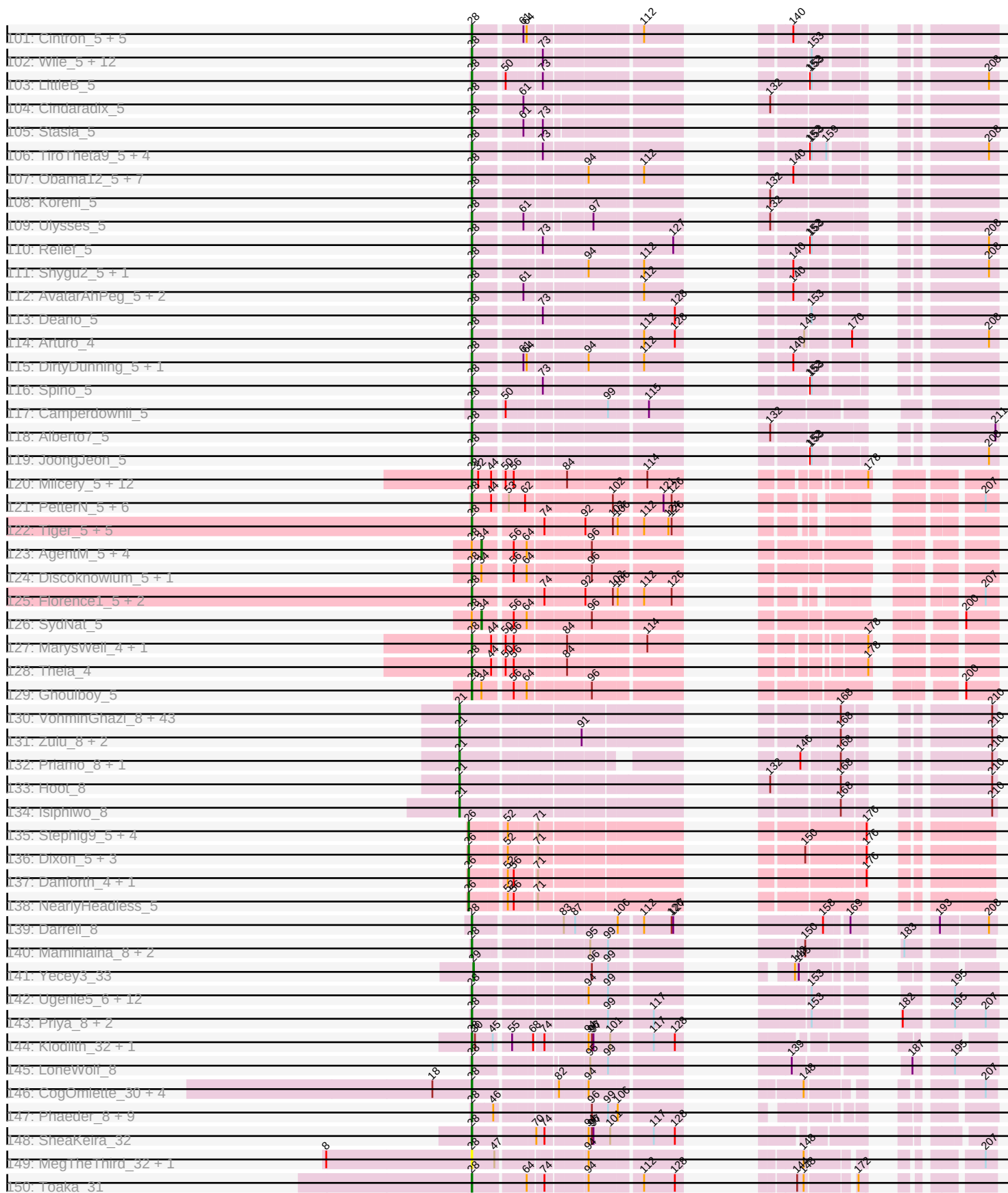


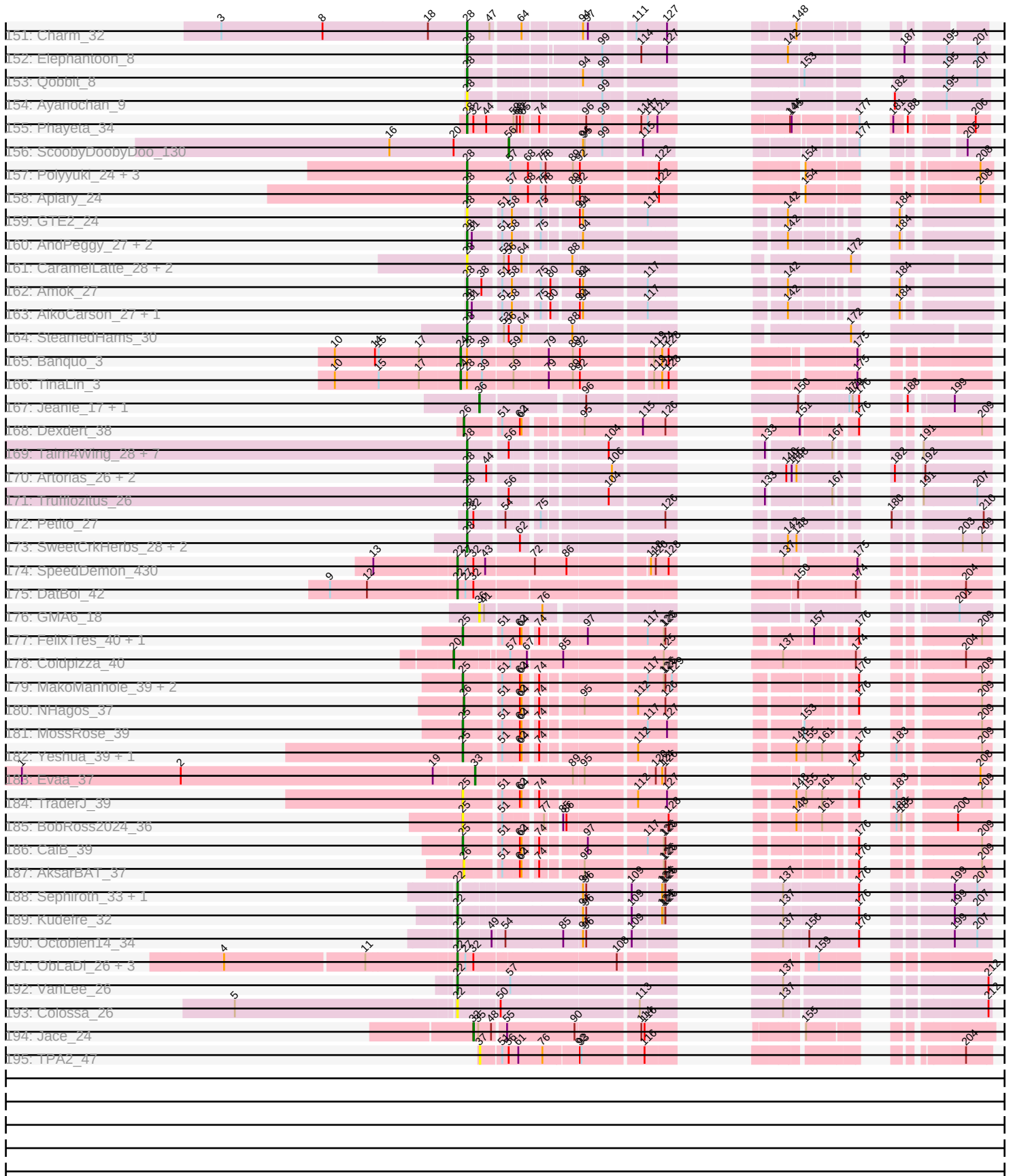




Pham 302944



Pham 302944



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 302944 Report

This analysis was run 06/08/26 on database version 649.

Pham number 302944 has 628 members, 82 are drafts.

Phages represented in each track:

- Track 1 : DustyMartin_6, Rowdy_6, RhynO_5, Shapes_6
- Track 2 : Eaglepride_6
- Track 3 : Goose_5, Chupacabra_5
- Track 4 : WalterMcMickey_5, Twister_5
- Track 5 : Rebeuca_6, Kristoff_6
- Track 6 : Edison31_5
- Track 7 : OKCentral2016_5
- Track 8 : Topanga_5
- Track 9 : Wolpertinger_7, Sham4_8, Et2Brutus_7, Ebony_8, Lucivia_8, TinyTimmy_8, Kimba_8, Petersenfast_7, Insomnia_8, Mabel_8, Orange_8, Jabith_8, Saskia_7
- Track 10 : MaCh_8, Flaverint_8, Aneem_8, Bowtie_8, Munch_8, Joselito_8, Gilberta_8, Timothy_8, Bachome_8
- Track 11 : Fibonacci_8, Hutc2_8, Mulciber_8, Bud_8, Salz_8, Snape_8
- Track 12 : Steamy_8
- Track 13 : Phlei_5
- Track 14 : Sunhee_32
- Track 15 : Jeeves_32
- Track 16 : Epsocamisio_8, JSwag_8, Nebulosus_8, Boohoo_8, LastResort_8, Anaysia_8, ReMo_8
- Track 17 : Waits_8, Ravana_8, Rosalind_8, MinecraftSteve_9, DekHockey33_8, KatherineG_8, ShayRa_9, Warrior24_8, Switzerland_8, Oofda_8, Battleship_9, Soups_8
- Track 18 : Anon_8
- Track 19 : Strosahl_8, Remus_8
- Track 20 : Elle_8
- Track 21 : EagleEye_8
- Track 22 : PainterBoy_8, Lucyedi_8
- Track 23 : 40AC_9
- Track 24 : MyraDee_5
- Track 25 : Kimona_29
- Track 26 : NicoleTera_8
- Track 27 : SwirlSquare_33
- Track 28 : Lokk_9, Rachaly_9
- Track 29 : Superchunk_31, Caraxes_31
- Track 30 : AnnaL29_8
- Track 31 : Loser_8

- Track 32 : C3_30, AN9_35, ANI8_35, AN3_32, VA6_32
- Track 33 : Changeling_8
- Track 34 : Leogania_8, BiancaTri92_8
- Track 35 : Ph8s_33
- Track 36 : Pomar16_35, D29_32, Tomathan_35, DBQu4n_35, Travvers_35, StarStuff_35, Duplo_35, Kerberos_35, D32_35
- Track 37 : Jaan_8, Phaded_8
- Track 38 : Colin_9, WeiHuaDA_9
- Track 39 : Miko_9
- Track 40 : ArcherNM_8
- Track 41 : Kalpine_8
- Track 42 : Acolyte_32
- Track 43 : GaugeLDP_8
- Track 44 : ForesterFrank_7
- Track 45 : Heffalump_9
- Track 46 : Adzzy_33
- Track 47 : LionsBait_8, HippoHollow_8
- Track 48 : Landor_8, Bactobuster_8
- Track 49 : VC3_35
- Track 50 : Che12_34
- Track 51 : Pukovnik_8
- Track 52 : Tristan_8
- Track 53 : BobSwaget_9
- Track 54 : Koduck_33
- Track 55 : Malec_33
- Track 56 : Prudy_7
- Track 57 : BabyBack_8
- Track 58 : EZMoney23_8
- Track 59 : TipsytheTRex_31
- Track 60 : RedRock_8
- Track 61 : Trixie_8
- Track 62 : Naji_35
- Track 63 : IronMan_8
- Track 64 : NothingSpecial_7
- Track 65 : MissWhite_32
- Track 66 : L5_32
- Track 67 : Anthony_5
- Track 68 : FatCactus_5
- Track 69 : Kinmap_33
- Track 70 : Chargerpower_33
- Track 71 : Giroux_5, Clammy_4, Bugatti_4, Pistachio_5, BlueBird_5, Idleandcovert_4, SaturnRing_4
- Track 72 : Grif_5, Phoxy_5, TinyPebbles_5, Soshari_7, Spike509_5, Methuselah_5, Vix_5, Grum1_5, Daishi_5, LarryKay_5, Misomonster_7, KADY_6, Bxz2_5, BuzzBuzz_4, AgronaGT15_5, Rummer_5, HashRod_6
- Track 73 : Phoebe_5, Montavir_4, JenCasNa_5, Cullens_5, PotatoSplit_6, MoneyMay_5, Fernando_5, LBerry_5, Bigflo_5, EpicPhail_5, Colbster_5, Marie_5, Beauxregard13_5, Taurus_5, Penny1_5, P28Green_5, JHC117_5, Croquant_6, Sabinator_5, LugYA_7, Hercules11_5, Gwennie_4
- Track 74 : SoilDragon_5, Jobu08_5
- Track 75 : Todacoro_5, Popcicle_5, Veracruz_4, Texage_4, QuinnKiro_4, Pocahontas_5, ResDef_5, Hookmount_5, Panamaxus_5, Noella_5, Caviar_5, Norbert_4, ÉtoileNova_4, Lambert1_5

- Track 76 : Rockstar_5, MK4_5, JF2_5, Isca_5, B1_04, JF4_5
- Track 77 : Snickers_5, Tiffany_5, Stagni_5
- Track 78 : BabyRay_5
- Track 79 : Chiqui_4, BabyJohn_4
- Track 80 : Kalnoky_6, PurpleHaze_5, Manu_6, Pawn_5, Kalb97_6, Gemma_5, Groupthink_6, HaveUMetTed_6, OlanP_5, Marius_6, Calvinny_5, ACFishhook_5
- Track 81 : Marchesa_5, DropBear_5, Heathen_5, HelDan_5, Zarafa_5, Kachowdy_5
- Track 82 : AugsMagnumOpus_7, Microwolf_5, Lowa_5, DaHudson_5, PGHhamlin_7, MarQuardt_5, Watson_5, Malinsilva_7, Lilith_5, Pembroke_5, Farber_5
- Track 83 : Puppy_5
- Track 84 : Reba_6, JeppNRM_6, Phranny_6
- Track 85 : GingkoMaracino_5, Ollie_5, Anubis_7
- Track 86 : Louie6_5
- Track 87 : TNguyen7_5, Roimos_5
- Track 88 : ClownCar_5
- Track 89 : Scout_5
- Track 90 : Fred313_5
- Track 91 : Zetzy_5
- Track 92 : MuchMore_7
- Track 93 : Phantastic_5
- Track 94 : Heliosoles_5
- Track 95 : MA5_5
- Track 96 : PhishRPhriends_5
- Track 97 : Margo_5
- Track 98 : LittleGuy_5, Nyxis_5, Phontbonne_5
- Track 99 : KFPoly_5, HamSlice_4, Kamy_5, Lorenzo_5, TroyPia_5, Ohfah_5, Sultana_5, SteMason_4, Clarenza_5, CentreCat_5, JetBlade_5, Ruin_5, Kratak_5, Florean_5, Eagle_4, Connomayer_5, Maverick_5, Holli_5, Romney_5, Mazhar510_5, Phacado_5, Eros_5, Albee_5, Bombshell_5, BellusTerra_5, Annyong_5, Phelipe_5, Peaches_5, ICleared_5, Taquarus_5, Avle17_5, MeeZee_5, OKaNui_5, Cocoaberry_5, Millski_5, Commander_5, TygerBlood_5, Gadost_5, NorthStar_5, Blackmoor_5, Baby16_5, Wilbur_5, Kingmustik0402_5, Sabertooth_5, Mayonnaise_5, Pipcraft_5, Iceman_5, Polymorphads_5, Medusa_5, Palestino_5, Melvin_5, Citius_5, LeoAvram_5, YoSam321_5, Sparxx_5, Caelakin_5, KekoraPapaka_4, Kyee_5, TinaFeyge_5, Koan_5, Bartimeaus_5, LappelDuVide_5, Roosevelt_5, Funston_5, RockieBear_4, Wizard007_5, Dhanush_5, Bruiser_5, SenorClean_5, Maxo_5, Scamp_5, PeterPeter_5, Lunsford_5, Houdini22_5, Nemo27_5, BubbleTrouble_5, Jaykayelowell_5, Lemur_5, Noelle_5, NotAPhaseMom_5, Shaka_5, Eris_5, Chaph_5, Druantia_5, Flux_5, Eurydice_5, Thanksgivukkah_5, Morrow_5, Burger_4, Eapen_5, Wander_5
- Track 100 : Huxley_5
- Track 101 : Cintron_5, Pumbaa_5, Phighter1804_5, Iracema64_5, Kremtemulon_5, LochMonster_5
- Track 102 : Wile_5, PetiteSangsue_5, Cici_5, Katalie136_5, Perplexer_5, Badger_5, Xena_5, Datway_5, Morpher26_5, Achebe_5, Backyardigan_5, AbbysRanger_5, Bumblebee11_5
- Track 103 : LittleB_5
- Track 104 : Cindaradix_5
- Track 105 : Stasia_5
- Track 106 : TiroTheta9_5, Broseidon_5, Nebs_5, Skipitt_5, Abdiel_5
- Track 107 : Obama12_5, SheldonCooper_5, Rosa24_4, LHTSCC_5, ChampagnePapi_5, Tinybot_4, BangNhom_4, Cerulean_5

- Track 108 : Koreni_5
- Track 109 : Ulysses_5
- Track 110 : Relief_5
- Track 111 : Shygu2_5, Happiness_5
- Track 112 : AvatarAhPeg_5, Stink_5, Miramae_5
- Track 113 : Deano_5
- Track 114 : Arturo_4
- Track 115 : DirtyDunning_5, Mundrea_5
- Track 116 : Spino_5
- Track 117 : Camperdownii_5
- Track 118 : Alberto7_5
- Track 119 : JoongJeon_5
- Track 120 : Milcery_5, Tarynearal_4, Cuco_5, Coog_5, LittleCherry_5, Bonamassa_5, Midas2_5, Twigg_5, HuhtaEnerson15_5, George_4, Prinashe11_5, Micasa_5, Swirley_5
- Track 121 : PetterN_5, Jabiru_5, Airmid_5, Benedict_5, ElTiger69_5, Chadwick_5, Scorpia_5
- Track 122 : Tiger_5, PickleBack_5, Conspiracy_5, Lev2_5, ForGetIt_5, Archetta_5
- Track 123 : AgentM_5, Aragog_5, Zolita_4, Jovo_5, Phlorence_5
- Track 124 : Discoknowium_5, Bluefalcon_4
- Track 125 : Florence1_5, UnionJack_5, Florence4_6
- Track 126 : SydNat_5
- Track 127 : MarysWell_4, Dublin_4
- Track 128 : Theia_4
- Track 129 : Ghoulboy_5
- Track 130 : VohminGhazi_8, ToneTone_7, BennyP_8, Dorothea_8, SuperAwesome_8, DaVinci_8, DelvinSonDorr_7, CloudWang3_8, Garak_8, Helmet_8, Artemis2UCLA_8, EricB_8, Chartreuse_8, BABullseye_8, SuperCallie99_8, Jeffabunny_8, JewelBug_8, Wiks_8, Kipper29_8, Yokurt_8, Cookiedough_8, Lilbunny_8, Tucker_8, McFly_8, Koko_8, SmellyB_8, Gruunaga_8, GreedyLawyer_8, Gladiator_8, Jordennis_8, Temprado_8, WunderPhul_8, Roksolana_8, Zaka_8, Hexamo_8, Pmask_8, BlessJoy_8, Blue7_8, Kazan_8, Newrala_8, Candra_8, Indra_8, Polyphemus_8, Neeharika16_8
- Track 131 : Zulu_8, Rifter_8, Hammer_8
- Track 132 : Priamo_8, Blinn1_8
- Track 133 : Hoot_8
- Track 134 : Isiphiwo_8
- Track 135 : Stephig9_5, Expelliarmus_4, Phillis_5, Groundhog_4, Roary_5
- Track 136 : Dixon_5, Smeadley_5, Astro_5, Caitlin_4
- Track 137 : Danforth_4, Saintus_5
- Track 138 : NearlyHeadless_5
- Track 139 : Darrell_8
- Track 140 : Maminiaina_8, BogosyJay_8, Alma_8
- Track 141 : Yecey3_33
- Track 142 : Ugenie5_6, RyeScarlet_9, Onglai_7, ExplosioNervosa_8, Hanray_7, Scherzo_8, Jiawan_7, Pioneer_8, EmyBug_8, Beemo_8, Halex_7, Phonnegut_8, Fayely_8
- Track 143 : Priya_8, Conquerage_8, Eidsmoe_8
- Track 144 : Klodlith_32, DreamTeam1_32
- Track 145 : LoneWolf_8
- Track 146 : CogOmlette_30, Bellris_30, Rahalelujah_31, Minispark_30, WorldCup_30

- Track 147 : Phaeder_8, HortumSL17_8, Tubs_8, Aliter_8, Myxus_8, EdogawaKiddo_6, Lilleskat_6, PackMan_8, Catalina_8, Sachima_6
- Track 148 : SheaKeira_32
- Track 149 : MegTheThird_32, Celestiallunch_32
- Track 150 : Toaka_31
- Track 151 : Charm_32
- Track 152 : Elephantoan_8
- Track 153 : Qobbit_8
- Track 154 : Ayanochan_9
- Track 155 : Phayeta_34
- Track 156 : ScoobyDoobyDoo_130
- Track 157 : Polyuyuki_24, Braxoaddie_24, Maselop_24, CoffeeBean_24
- Track 158 : Apiary_24
- Track 159 : GTE2_24
- Track 160 : AndPeggy_27, BillDoor_30, Yarn_27
- Track 161 : CaramelLatte_28, ChocoMunchkin_28, CanesSauce_28
- Track 162 : Amok_27
- Track 163 : AikoCarson_27, Emalyn_27
- Track 164 : SteamedHams_30
- Track 165 : Banquo_3
- Track 166 : TinaLin_3
- Track 167 : Jeanie_17, McGonagall_17
- Track 168 : Dexdert_38
- Track 169 : Tairn4Wing_28, ChickyNuggy_27, JulesRay_26, Football_27, Bugg_27, Dancer_26, NoPickles_26, Captrips_26
- Track 170 : Artorias_26, Avazak_26, FortCran_26
- Track 171 : Trufflozitus_26
- Track 172 : Petito_27
- Track 173 : SweetCrkHerbs_28, Perkunas_28, Talon44_27
- Track 174 : SpeedDemon_430
- Track 175 : DatBoi_42
- Track 176 : GMA6_18
- Track 177 : FelixTres_40, AnarQue_39
- Track 178 : Coldpizza_40
- Track 179 : MakoManhole_39, Blackpen_39, CloverMinnie_39
- Track 180 : NHagos_37
- Track 181 : MossRose_39
- Track 182 : Yeshua_39, Wooper_39
- Track 183 : Evaa_37
- Track 184 : TraderJ_39
- Track 185 : BobRoss2024_36
- Track 186 : CaiB_39
- Track 187 : AksarBAT_37
- Track 188 : Sephiroth_33, Syleon_33
- Track 189 : Kudetre_32
- Track 190 : Octobien14_34
- Track 191 : ObLaDi_26, Aleemily_25, Cafasso_26, ModicumRichard_26
- Track 192 : VanLee_26
- Track 193 : Colossa_26
- Track 194 : Jace_24
- Track 195 : TPA2_47

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

The start number called the most often in the published annotations is 28, it was called in 386 of the 546 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 40AC_9, ACFishhook_5, AbbysRanger_5, Abdiel_5, Achebe_5, AgronaGT15_5, AikoCarson_27, Airmid_5, Albee_5, Alberto7_5, Aliter_8, Alma_8, Amok_27, AndPeggy_27, Aneem_8, AnnaL29_8, Annyong_5, Anthony_5, Anubis_7, Apiary_24, ArcherNM_8, Archetta_5, Artorias_26, Arturo_4, AugsMagnumOpus_7, AvatarAhPeg_5, Avazak_26, Avle17_5, Ayanochan_9, B1_04, Baby16_5, BabyBack_8, BabyJohn_4, Bachome_8, Backyardigan_5, Bactobuster_8, Badger_5, BangNhom_4, Bartimeaus_5, Beauxregard13_5, Beemo_8, Bellris_30, BellusTerra_5, Benedict_5, BiancaTri92_8, Bigflo_5, BillDoor_30, Blackmoor_5, BlueBird_5, Bluefalcon_4, BobSwaget_9, BogosyJay_8, Bombshell_5, Bonamassa_5, Bowtie_8, Braxoaddie_24, Broseidon_5, Bruiser_5, BubbleTrouble_5, Bud_8, Bugatti_4, Bugg_27, Bumblebee11_5, Burger_4, BuzzBuzz_4, Bxz2_5, Caelakin_5, Calvinny_5, Camperdownii_5, CanesSauce_28, Captrips_26, CaramelLatte_28, Caraxes_31, Catalina_8, Celestiallunch_32, CentreCat_5, Cerulean_5, Chadwick_5, ChampagnePapi_5, Changeling_8, Chaph_5, Chargerpower_33, Charm_32, ChickyNuggy_27, Chiqui_4, ChocoMunchkin_28, Chupacabra_5, Cici_5, Cindaradix_5, Cintron_5, Citius_5, Clammy_4, Clarenza_5, ClownCar_5, CocoaBerry_5, CoffeeBean_24, CogOmlette_30, Colbster_5, Colin_9, Commander_5, Connomayer_5, Conquerage_8, Conspiracy_5, Coog_5, Croquant_6, Cuco_5, Cullens_5, DaHudson_5, Daishi_5, Dancer_26, Darrell_8, Datway_5, Dean0_5, Dhanush_5, DirtyDunning_5, Discoknowium_5, DreamTeam1_32, DropBear_5, Druantia_5, Dublin_4, DustyMartin_6, EZMoney23_8, Eagle_4, Eaglepride_6, Eapen_5, Ebony_8, Edison31_5, EdogawaKiddo_6, Eidsmoe_8, ElTiger69_5, Elephantoon_8, Emalyn_27, EmyBug_8, EpicPhail_5, Eris_5, Eros_5, Et2Brutus_7, Eurydice_5, ExplosioNervosa_8, Farber_5, FatCactus_5, Fayely_8, Fernando_5, Fibonacci_8, Flaverint_8, Florean_5, Florence1_5, Florence4_6, Flux_5, Football_27, ForGetIt_5, ForesterFrank_7, FortCran_26, Fred313_5, Funston_5, GTE2_24, Gadost_5, GaugeLDP_8, Gemma_5, George_4, Ghoulyboy_5, Gilberta_8, GingkoMaracino_5, Giroux_5, Goose_5, Grif_5, Groupthink_6, Grum1_5, Gwennie_4, HamSlice_4, Hanray_7, Happiness_5, HashRod_6, HaveUMetTed_6, Heathen_5, Heffalump_9, HelDan_5, Heliosoles_5, Hercules11_5, HippoHollow_8, Horex_7, Holli_5, HortumSL17_8, Houdini22_5, HuhtaEnerson15_5, Hutc2_8, Huxley_5, ICleared_5, Iceman_5, Idleandcovert_4, Insomnia_8, Iracema64_5, IronMan_8, Isca_5, JF2_5, JF4_5, JHC117_5, Jaan_8, Jabiru_5, Jabith_8, Jaykayelowell_5, Jeeves_32, JenCasNa_5, JeppNRM_6, JetBlade_5, Jiawan_7, Jobu08_5, JoongJeon_5, Joselito_8, JulesRay_26, KADY_6, KFPoly_5, Kachowdy_5, Kalb97_6, Kalnoky_6, Kalpine_8, Kamy_5, Katalie136_5, KekoraPapaka_4, Kimba_8, Kingmustik0402_5, Kinmap_33, Klodlith_32, Koan_5, Koreni_5, Kratak_5, Kremtemulon_5, Kristoff_6, Kyee_5, LBerry_5, LHTSCC_5, Landor_8, LappelDuVide_5, LarryKay_5, Lemur_5, LeoAvram_5, Leogania_8, Lev2_5, Lilith_5, Lilleskat_6, LionsBait_8, LittleB_5, LittleCherry_5, LittleGuy_5, LochMonster_5, Loka_9, LoneWolf_8, Lorenzo_5, Loser_8, Louie6_5, Lova_5, Lucivia_8, LugYA_7, Lunsford_5, MA5_5, MK4_5, MaCh_8, Mabel_8, Malec_33, Malinsilva_7, Maminiaina_8, Manu_6, MarQuardt_5, Marchesa_5, Margo_5, Marie_5, Marius_6, MarysWell_4, Maselop_24, Maverick_5, Maxo_5, Mayonnaise_5, Mazhar510_5, Medusa_5, MeeZee_5, MegTheThird_32, Melvin_5, Methuselah_5, Micasa_5, Microwolf_5, Midas2_5, Miko_9, Milcery_5, Millski_5, Minispark_30,

Miramae_5, Misomonster_7, MissWhite_32, MoneyMay_5, Montavir_4, Morpher26_5, Morrow_5, MuchMore_7, Mulciber_8, Munch_8, Mundrea_5, Myxus_8, Nebs_5, Nemo27_5, NicoleTera_8, NoPickles_26, Noelle_5, NorthStar_5, NotAPhaseMom_5, NothingSpecial_7, Nyxis_5, OKCentral2016_5, OKaNui_5, Obama12_5, Ohfah_5, OlanP_5, Ollie_5, Onglai_7, Orange_8, P28Green_5, PGHhamlin_7, PackMan_8, Palestino_5, Pawn_5, Peaches_5, Pembroke_5, Penny1_5, Perkunas_28, Perplexer_5, PeterPeter_5, Petersenfast_7, PetiteSangsue_5, Petito_27, PetterN_5, Phacado_5, Phaded_8, Phaeder_8, Phantastic_5, Phayeta_34, Felipe_5, Phighter1804_5, PhishRPhriends_5, Phoebe_5, Phonnegut_8, Phontbonne_5, Phoxy_5, Phranny_6, PickleBack_5, Pioneer_8, Pipcraft_5, Pistachio_5, Polymorphads_5, Polyuyki_24, PotatoSplit_6, Prinashe11_5, Priya_8, Prudy_7, Pukovnik_8, Pumbaa_5, Puppy_5, PurpleHaze_5, Qobbit_8, Rachaly_9, Rahalelujah_31, Reba_6, Rebeuca_6, RedRock_8, Relief_5, RhynO_5, RockieBear_4, Rockstar_5, Roimos_5, Romney_5, Roosevelt_5, Rosa24_4, Rowdy_6, Ruin_5, Rummer_5, RyeScarlet_9, Sabertooth_5, Sabinator_5, Sachima_6, Salz_8, Saskia_7, SaturnRing_4, Scamp_5, Scherzo_8, Scorpia_5, SenorClean_5, Shaka_5, Sham4_8, Shapes_6, SheaKeira_32, SheldonCooper_5, Shygu2_5, Skipitt_5, Snape_8, Snickers_5, SoilDragon_5, Soshari_7, Sparxx_5, Spike509_5, Spino_5, Stagni_5, Stasia_5, SteMason_4, SteamedHams_30, Steamy_8, Stink_5, Sultana_5, Sunhee_32, Superchunk_31, SweetCrkHerbs_28, Swirley_5, TNguyen7_5, Tairn4Wing_28, Talon44_27, Taquarus_5, Tarynearal_4, Taurus_5, Thanksgivukkah_5, Theia_4, Tiffany_5, Tiger_5, Timothy_8, TinaFeyge_5, TinyPebbles_5, TinyTimmy_8, Tinybot_4, TiroTheta9_5, Toaka_31, Topanga_5, Tristan_8, Trixie_8, TroyPia_5, Trufflozitus_26, Tubs_8, Twigg_5, Twister_5, TygerBlood_5, Ugenie5_6, Ulysses_5, UnionJack_5, Vix_5, WalterMcMickey_5, Wander_5, Watson_5, WeiHuaDA_9, Wilbur_5, Wile_5, Wizard007_5, Wolpertinger_7, WorldCup_30, Xena_5, Yarn_27, YoSam321_5, Zarafa_5, Zetzy_5,

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

- AgentM_5, Aragog_5, Banquo_3, Jovo_5, Koduck_33, Phlorence_5, SydNat_5, TinaLin_3, TipsytheTRex_31, Zolita_4,

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

- AN3_32, AN9_35, AN18_35, Acolyte_32, Adzzy_33, AksarBAT_37, Aleemily_25, AnarQue_39, Anaysia_8, Anon_8, Artemis2UCLA_8, Astro_5, BABullseye_8, BabyRay_5, Battleship_9, BennyP_8, Blackpen_39, BlessJoy_8, Blinn1_8, Blue7_8, BobRoss2024_36, Boohoo_8, C3_30, Cafasso_26, CaiB_39, Caitlin_4, Candra_8, Caviar_5, Chartreuse_8, Che12_34, CloudWang3_8, CloverMinnie_39, Coldpizza_40, Colossa_26, Cookiedough_8, D29_32, D32_35, DBQu4n_35, DaVinci_8, Danforth_4, DatBoi_42, DekHockey33_8, DelvinSonDorr_7, Dexdert_38, Dixon_5, Dorothea_8, Duplo_35, EagleEye_8, Elle_8, Epsocamisio_8, EricB_8, EtoileNova_4, Evaa_37, Expelliarmus_4, FelixTres_40, GMA6_18, Garak_8, Gladiator_8, GreedyLawyer_8, Groundhog_4, Gruunaga_8, Hammer_8, Helmet_8, Hexamo_8, Hookmount_5, Hoot_8, Indra_8, Isiphiwo_8, JSwag_8, Jace_24, Jeanie_17, Jeffabunny_8, JewelBug_8, Jordennis_8, KatherineG_8, Kazan_8, Kerberos_35, Kimona_29, Kipper29_8, Koko_8, Kudfre_32, L5_32, Lambert1_5, LastResort_8, Lilbunny_8, Lucyedi_8, MakoManhole_39, McFly_8, McGonagall_17, MinecraftSteve_9, ModicumRichard_26, MossRose_39, MyraDee_5, NHagos_37, Naji_35, NearlyHeadless_5, Nebulosus_8, Neeharika16_8, Newrala_8, Noella_5, Norbert_4, ObLaDi_26, Octobien14_34, Oofda_8, PainterBoy_8, Panamaxus_5, Ph8s_33, Phillis_5, Phlei_5, Pmask_8, Pocahontas_5, Polyphemus_8, Pomar16_35, Popcicle_5, Priamo_8, QuinnKiro_4, Ravana_8, ReMo_8, Remus_8, ResDef_5, Rifter_8, Roary_5, Roksolana_8, Rosalind_5, Saintus_5, ScoobyDoobyDoo_130,

Scout_5, Sephiroth_33, ShayRa_9, Smeadley_5, SmellyB_8, Soups_8, SpeedDemon_430, StarStuff_35, Stephig9_5, Strosahl_8, SuperAwesome_8, SuperCallie99_8, SwirlSquare_33, Switzerland_8, Syleon_33, TPA2_47, Temprado_8, Texage_4, Todacoro_5, Tomathan_35, ToneTone_7, TraderJ_39, Travvers_35, Tucker_8, VA6_32, VC3_35, VanLee_26, Veracruz_4, VohminGhazi_8, Waits_8, Warrior24_8, Wiks_8, Wooper_39, WunderPhul_8, Yecey3_33, Yeshua_39, Yokurt_8, Zaka_8, Zulu_8,

Summary by start number:

Start 20:

- Found in 3 of 628 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 546
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Coldpizza_40 (DR),

Start 21:

- Found in 51 of 628 (8.1%) of genes in pham
- Manual Annotations of this start: 48 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artemis2UCLA_8 (A6), BABullseye_8 (A6), BennyP_8 (A6), BlessJoy_8 (A6), Blinn1_8 (A6), Blue7_8 (A6), Candra_8 (A6), Chartreuse_8 (A6), CloudWang3_8 (A6), Cookiedough_8 (A6), DaVinci_8 (A6), DelvinSonDorr_7 (A6), Dorothea_8 (A6), EricB_8 (A6), Garak_8 (A6), Gladiator_8 (A6), GreedyLawyer_8 (A6), Gruunaga_8 (A6), Hammer_8 (A6), Helmet_8 (A6), Hexamo_8 (A6), Hoot_8 (A6), Indra_8 (A6), Isiphiwo_8 (A6), Jeffabunny_8 (A6), JewelBug_8 (A6), Jordennis_8 (A6), Kazan_8 (A6), Kipper29_8 (A6), Koko_8 (A6), Lilbunny_8 (A6), McFly_8 (A6), Neeharika16_8 (A6), Newrala_8 (A6), Pmask_8 (A6), Polyphemus_8 (A6), Priamo_8 (A6), Rifter_8 (A6), Roksolana_8 (A6), SmellyB_8 (A6), SuperAwesome_8 (A6), SuperCallie99_8 (A6), Temprado_8 (A6), ToneTone_7 (A6), Tucker_8 (A6), VohminGhazi_8 (A6), Wiks_8 (A6), WunderPhul_8 (A6), Yokurt_8 (A6), Zaka_8 (A6), Zulu_8 (A6),

Start 22:

- Found in 12 of 628 (1.9%) of genes in pham
- Manual Annotations of this start: 11 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_25 (DZ), Cafasso_26 (DZ), Colossa_26 (KA), DatBoi_42 (DL), Kudrefre_32 (DU1), ModicumRichard_26 (DZ), ObLaDi_26 (DZ), Octobien14_34 (DU1), Sephiroth_33 (DU1), SpeedDemon_430 (DL), Syleon_33 (DU1), VanLee_26 (KA),

Start 23:

- Found in 3 of 628 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EagleEye_8 (A16), Lucyedi_8 (A16), PainterBoy_8 (A16),

Start 24:

- Found in 3 of 628 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 546
- Called 66.7% of time when present

- Phage (with cluster) where this start called: Banquo_3 (CU1), TinaLin_3 (CU1),

Start 25:

- Found in 11 of 628 (1.8%) of genes in pham
- Manual Annotations of this start: 8 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnarQue_39 (DR), Blackpen_39 (DR), BobRoss2024_36 (DR), CaiB_39 (DR), CloverMinnie_39 (DR), FelixTres_40 (DR), MakoManhole_39 (DR), MossRose_39 (DR), TraderJ_39 (DR), Wooper_39 (DR), Yeshua_39 (DR),

Start 26:

- Found in 15 of 628 (2.4%) of genes in pham
- Manual Annotations of this start: 13 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_37 (DR), Astro_5 (A8), Caitlin_4 (A8), Danforth_4 (A8), Dextert_38 (DE3), Dixon_5 (A8), Expelliarmus_4 (A8), Groundhog_4 (A8), NHagos_37 (DR), NearlyHeadless_5 (A8), Phillis_5 (A8), Roary_5 (A8), Saintus_5 (A8), Smeadley_5 (A8), Stephig9_5 (A8),

Start 27:

- Found in 7 of 628 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 546
- Called 14.3% of time when present
- Phage (with cluster) where this start called: MyraDee_5 (A18),

Start 28:

- Found in 463 of 628 (73.7%) of genes in pham
- Manual Annotations of this start: 386 of 546
- Called 97.8% of time when present
- Phage (with cluster) where this start called: 40AC_9 (A17), ACFishhook_5 (A3), AbbysRanger_5 (A4), Abdiel_5 (A4), Achebe_5 (A4), AgronaGT15_5 (A3), AikoCarson_27 (CT), Airmid_5 (A5), Albee_5 (A4), Alberto7_5 (A4), Aliter_8 (A9), Alma_8 (A9), Amok_27 (CT), AndPeggy_27 (CT), Aneem_8 (A11), AnnaL29_8 (A2), Annyong_5 (A4), Anthony_5 (A20), Anubis_7 (A3), Apiary_24 (CR6), ArcherNM_8 (A2), Archetta_5 (A5), Artorias_26 (DJ), Arturo_4 (A4), AugsMagnumOpus_7 (A3), AvatarAhPeg_5 (A4), Avazak_26 (DJ), Avle17_5 (A4), Ayanochan_9 (A9), B1_04 (A3), Baby16_5 (A4), BabyBack_8 (A2), BabyJohn_4 (A3), Bachome_8 (A11), Backyardigan_5 (A4), Bactobuster_8 (A2), Badger_5 (A4), BangNhom_4 (A4), Bartimeaus_5 (A4), Beauxregard13_5 (A3), Beemo_8 (A9), Bellris_30 (A9), BellusTerra_5 (A4), Benedict_5 (A5), BiancaTri92_8 (A2), Bigflo_5 (A3), BillDoor_30 (CT), Blackmoor_5 (A4), BlueBird_5 (A3), Bluefalcon_4 (A5), BobSwaget_9 (A2), BogosyJay_8 (A9), Bombshell_5 (A4), Bonamassa_5 (A5), Bowtie_8 (A11), Braxoaddie_24 (CR6), Broseidon_5 (A4), Bruiser_5 (A4), BubbleTrouble_5 (A4), Bud_8 (A11), Bugatti_4 (A3), Bugg_27 (DJ), Bumblebee11_5 (A4), Burger_4 (A4), BuzzBuzz_4 (A3), Bxz2_5 (A3), Caelakin_5 (A4), Calvinny_5 (A3), Camperdownii_5 (A4), CanesSauce_28 (CT), Captrips_26 (DJ), CaramelLatte_28 (CT), Caraxes_31 (A2), Catalina_8 (A9), Celestiallunch_32 (A9), CentreCat_5 (A4), Cerulean_5 (A4), Chadwick_5 (A5), ChampagnePapi_5 (A4), Changeling_8 (A2), Chaph_5 (A4), Chargerpower_33 (A22), Charm_32 (A9), ChickyNuggy_27 (DJ), Chiqui_4 (A3), ChocoMunchkin_28 (CT), Chupacabra_5 (A10), Cici_5 (A4), Cindaradix_5 (A4), Cintron_5 (A4), Citius_5 (A4), Clammy_4 (A3), Clarenza_5 (A4), ClownCar_5 (A3), CocoaBerry_5 (A4), CoffeeBean_24 (CR6), CogOmlette_30 (A9), Colbster_5 (A3),

Colin_9 (A2), Commander_5 (A4), Connomayer_5 (A4), Conquerage_8 (A9), Conspiracy_5 (A5), Coog_5 (A5), Croquant_6 (A3), Cuco_5 (A5), Cullens_5 (A3), DaHudson_5 (A3), Daishi_5 (A3), Dancer_26 (DJ), Darrell_8 (A9), Datway_5 (A4), Deano_5 (A4), Dhanush_5 (A4), DirtyDunning_5 (A4), Discoknowium_5 (A5), DreamTeam1_32 (A9), DropBear_5 (A3), Druantia_5 (A4), Dublin_4 (A5), DustyMartin_6 (A10), EZMoney23_8 (A2), Eagle_4 (A4), Eaglepride_6 (A10), Eapen_5 (A4), Ebony_8 (A11), Edison31_5 (A10), EdogawaKiddo_6 (A9), Eidsmoe_8 (A9), ElTiger69_5 (A5), Elephantoon_8 (A9), Emalyn_27 (CT), EmyBug_8 (A9), EpicPhail_5 (A3), Eris_5 (A4), Eros_5 (A4), Et2Brutus_7 (A11), Eurydice_5 (A4), ExplosioNervosa_8 (A9), Farber_5 (A3), FatCactus_5 (A20), Fayely_8 (A9), Fernando_5 (A3), Fibonacci_8 (A11), Flaverint_8 (A11), Florean_5 (A4), Florence1_5 (A5), Florence4_6 (A5), Flux_5 (A4), Football_27 (DJ), ForGetIt_5 (A5), ForesterFrank_7 (A2), FortCran_26 (DJ), Fred313_5 (A3), Funston_5 (A4), GTE2_24 (CT), Gadost_5 (A4), GaugeLDP_8 (A2), Gemma_5 (A3), George_4 (A5), Ghouboy_5 (A5), Gilberta_8 (A11), GingkoMaracino_5 (A3), Giroux_5 (A3), Goose_5 (A10), Grif_5 (A3), Groupthink_6 (A3), Grum1_5 (A3), Gwennie_4 (A3), HamSlice_4 (A4), Hanray_7 (A9), Happiness_5 (A4), HashRod_6 (A3), HaveUMetTed_6 (A3), Heathen_5 (A3), Heffalump_9 (A2), HelDan_5 (A3), Heliosoles_5 (A3), Hercules11_5 (A3), HippoHollow_8 (A2), Horex_7 (A9), Holli_5 (A4), HortumSL17_8 (A9), Houdini22_5 (A4), HuhtaEnerson15_5 (A5), Hut2_8 (A11), Huxley_5 (A4), ICleared_5 (A4), Iceman_5 (A4), Idleandcovert_4 (A3), Insomnia_8 (A11), Iracema64_5 (A4), IronMan_8 (A2), Isca_5 (A3), JF2_5 (A3), JF4_5 (A3), JHC117_5 (A3), Jaan_8 (A2), Jabiru_5 (A5), Jabith_8 (A11), Jaykayelowell_5 (A4), Jeeves_32 (A14), JenCasNa_5 (A3), JeppNRM_6 (A3), JetBlade_5 (A4), Jiawan_7 (A9), Jobu08_5 (A3), JoongJeon_5 (A4), Joselito_8 (A11), JulesRay_26 (DJ), KADY_6 (A3), KFPoly_5 (A4), Kachowdy_5 (A3), Kalb97_6 (A3), Kalnoky_6 (A3), Kalpine_8 (A2), Kampy_5 (A4), Katalie136_5 (A4), KekoraPapaka_4 (A4), Kimba_8 (A11), Kingmustik0402_5 (A4), Kinmap_33 (A21), Klodlith_32 (A9), Koan_5 (A4), Koreni_5 (A4), Kratak_5 (A4), Kremtemulon_5 (A4), Kristoff_6 (A10), Kyee_5 (A4), LBerry_5 (A3), LHTSCC_5 (A4), Landor_8 (A2), LappelDuVide_5 (A4), LarryKay_5 (A3), Lemur_5 (A4), LeoAvram_5 (A4), Leogania_8 (A2), Lev2_5 (A5), Lilith_5 (A3), Lilleskat_6 (A9), LionsBait_8 (A2), LittleB_5 (A4), LittleCherry_5 (A5), LittleGuy_5 (A4), LochMonster_5 (A4), Lokk_9 (A2), LoneWolf_8 (A9), Lorenzo_5 (A4), Loser_8 (A2), Louie6_5 (A3), Lowa_5 (A3), Lucivia_8 (A11), LugYA_7 (A3), Lunsford_5 (A4), MA5_5 (A3), MK4_5 (A3), MaCh_8 (A11), Mabel_8 (A11), Malec_33 (A2), Malinsilva_7 (A3), Maminiaina_8 (A9), Manu_6 (A3), MarQuardt_5 (A3), Marchesa_5 (A3), Margo_5 (A3), Marie_5 (A3), Marius_6 (A3), MarysWell_4 (A5), Maselop_24 (CR6), Maverick_5 (A4), Maxo_5 (A4), Mayonnaise_5 (A4), Mazhar510_5 (A4), Medusa_5 (A4), MeeZee_5 (A4), MegTheThird_32 (A9), Melvin_5 (A4), Methuselah_5 (A3), Micasa_5 (A5), Microwolf_5 (A3), Midas2_5 (A5), Miko_9 (A2), Milcery_5 (A5), Millski_5 (A4), Minispark_30 (A9), Miramae_5 (A4), Misomonster_7 (A3), MissWhite_32 (A2), MoneyMay_5 (A3), Montavir_4 (A3), Morpher26_5 (A4), Morrow_5 (A4), MuchMore_7 (A3), Mulciber_8 (A11), Munch_8 (A11), Mundrea_5 (A4), Myxus_8 (A9), Nebs_5 (A4), Nemo27_5 (A4), NicoleTera_8 (A2), NoPickles_26 (DJ), Noelle_5 (A4), NorthStar_5 (A4), NotAPhaseMom_5 (A4), NothingSpecial_7 (A2), Nyxis_5 (A4), OKCentral2016_5 (A10), OKaNui_5 (A4), Obama12_5 (A4), Ohfah_5 (A4), OlanP_5 (A3), Ollie_5 (A3), Onglai_7 (A9), Orange_8 (A11), P28Green_5 (A3), PGHhamlin_7 (A3), PackMan_8 (A9), Palestino_5 (A4), Pawn_5 (A3), Peaches_5 (A4), Pembroke_5 (A3), Penny1_5 (A3), Perkunas_28 (DJ), Perplexer_5 (A4), PeterPeter_5 (A4), Petersenfast_7 (A11), PetiteSangsue_5 (A4), Petito_27 (DJ), PetterN_5 (A5), Phacado_5 (A4), Phaded_8 (A2), Phaeder_8 (A9), Phantastic_5 (A3), Phayeta_34 (B3), Felipe_5 (A4), Pighter1804_5 (A4), PhishRPhriends_5 (A3), Phoebe_5 (A3), Phonnegut_8 (A9), Phontbonne_5 (A4),

Phoxy_5 (A3), Phranny_6 (A3), PickleBack_5 (A5), Pioneer_8 (A9), Pipcraft_5 (A4), Pistachio_5 (A3), Polymorphads_5 (A4), Polyyuki_24 (CR6), PotatoSplit_6 (A3), Prinashel1_5 (A5), Priya_8 (A9), Prudy_7 (A2), Pukovnik_8 (A2), Pumbaa_5 (A4), Puppy_5 (A3), PurpleHaze_5 (A3), Qobbit_8 (A9), Rachaly_9 (A2), Rahalelujah_31 (A9), Reba_6 (A3), Rebeuca_6 (A10), RedRock_8 (A2), Relief_5 (A4), Rhyno_5 (A10), RockieBear_4 (A4), Rockstar_5 (A3), Roimos_5 (A3), Romney_5 (A4), Roosevelt_5 (A4), Rosa24_4 (A4), Rowdy_6 (A10), Ruin_5 (A4), Rummer_5 (A3), RyeScarlet_9 (A9), Sabertooth_5 (A4), Sabinator_5 (A3), Sachima_6 (A9), Salz_8 (A11), Saskia_7 (A11), SaturnRing_4 (A3), Scamp_5 (A4), Scherzo_8 (A9), Scorpio_5 (A5), SenorClean_5 (A4), Shaka_5 (A4), Sham4_8 (A11), Shapes_6 (A10), SheaKeira_32 (A9), SheldonCooper_5 (A4), Shygu2_5 (A4), Skipitt_5 (A4), Snape_8 (A11), Snickers_5 (A3), SoilDragon_5 (A3), Soshari_7 (A3), Sparxx_5 (A4), Spike509_5 (A3), Spino_5 (A4), Stagni_5 (A3), Stasia_5 (A4), SteMason_4 (A4), SteamedHams_30 (CT), Steamy_8 (A12), Stink_5 (A4), Sultana_5 (A4), Sunhee_32 (A14), Superchunk_31 (A2), SweetCrkHerbs_28 (DJ), Swirley_5 (A5), TNguyen7_5 (A3), Tairn4Wing_28 (DJ), Talon44_27 (DJ), Taquarus_5 (A4), Tarynearal_4 (A5), Taurus_5 (A3), Thanksgivukkah_5 (A4), Theia_4 (A5), Tiffany_5 (A3), Tiger_5 (A5), Timothy_8 (A11), TinaFeyge_5 (A4), TinyPebbles_5 (A3), TinyTimmy_8 (A11), Tinybot_4 (A4), TiroTheta9_5 (A4), Toaka_31 (A9), Topanga_5 (A10), Tristan_8 (A2), Trixie_8 (A2), TroyPia_5 (A4), Trufflozitus_26 (DJ), Tubs_8 (A9), Twigg_5 (A5), Twister_5 (A10), TygerBlood_5 (A4), Ugenie5_6 (A9), Ulysses_5 (A4), UnionJack_5 (A5), Vix_5 (A3), WalterMcMickey_5 (A10), Wander_5 (A4), Watson_5 (A3), WeiHuaDA_9 (A2), Wilbur_5 (A4), Wile_5 (A4), Wizard007_5 (A4), Wolpertinger_7 (A11), WorldCup_30 (A9), Xena_5 (A4), Yarn_27 (CT), YoSam321_5 (A4), Zarafa_5 (A3), Zetzy_5 (A3),

Start 29:

- Found in 27 of 628 (4.3%) of genes in pham
- Manual Annotations of this start: 24 of 546
- Called 92.6% of time when present
- Phage (with cluster) where this start called: AN3_32 (A2), AN9_35 (A2), ANI8_35 (A2), Acolyte_32 (A2), Adzzy_33 (A2), C3_30 (A2), Che12_34 (A2), D29_32 (A2), D32_35 (A2), DBQu4n_35 (A2), Duplo_35 (A2), Kerberos_35 (A2), Koduck_33 (A2), L5_32 (A2), Naji_35 (A2), Ph8s_33 (A2), Pomar16_35 (A2), StarStuff_35 (A2), SwirlSquare_33 (A2), TipsytheTRex_31 (A2), Tomathan_35 (A2), Travvers_35 (A2), VA6_32 (A2), VC3_35 (A2), Yecey3_33 (A9),

Start 30:

- Found in 4 of 628 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Phlei_5 (A13),

Start 31:

- Found in 14 of 628 (2.2%) of genes in pham
- Manual Annotations of this start: 9 of 546
- Called 64.3% of time when present
- Phage (with cluster) where this start called: Anaysia_8 (A15), Boohoo_8 (A15), Epsocamisio_8 (A15), JSwag_8 (A15), LastResort_8 (A15), Nebulosus_8 (A15), ReMo_8 (A15), Remus_8 (A15), Strosahl_8 (A15),

Start 32:

- Found in 38 of 628 (6.1%) of genes in pham

- Manual Annotations of this start: 16 of 546
- Called 44.7% of time when present
- Phage (with cluster) where this start called: BabyRay_5 (A3), Caviar_5 (A3), EtoileNova_4 (A3), Hookmount_5 (A3), Jace_24 (singleton), Lambert1_5 (A3), Noella_5 (A3), Norbert_4 (A3), Panamaxus_5 (A3), Pocahontas_5 (A3), Popcicle_5 (A3), QuinnKiro_4 (A3), ResDef_5 (A3), Scout_5 (A3), Texage_4 (A3), Todacoro_5 (A3), Veracruz_4 (A3),

Start 33:

- Found in 1 of 628 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Evaa_37 (DR),

Start 34:

- Found in 14 of 628 (2.2%) of genes in pham
- Manual Annotations of this start: 6 of 546
- Called 42.9% of time when present
- Phage (with cluster) where this start called: AgentM_5 (A5), Aragog_5 (A5), Jovo_5 (A5), Phlorence_5 (A5), SydNat_5 (A5), Zolita_4 (A5),

Start 36:

- Found in 3 of 628 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 546
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA6_18 (DQ), Jeanie_17 (CW1), McGonagall_17 (CW1),

Start 37:

- Found in 6 of 628 (1.0%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: TPA2_47 (singleton),

Start 39:

- Found in 16 of 628 (2.5%) of genes in pham
- Manual Annotations of this start: 13 of 546
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Anon_8 (A15), Battleship_9 (A15), DekHockey33_8 (A15), Elle_8 (A15), KatherineG_8 (A15), MinecraftSteve_9 (A15), Oofda_8 (A15), Ravana_8 (A15), Rosalind_8 (A15), ShayRa_9 (A15), Soups_8 (A15), Switzerland_8 (A15), Waits_8 (A15), Warrior24_8 (A15),

Start 56:

- Found in 73 of 628 (11.6%) of genes in pham
- Manual Annotations of this start: 2 of 546
- Called 2.7% of time when present
- Phage (with cluster) where this start called: Kimona_29 (A19), ScoobyDoobyDoo_130 (C2),

Summary by clusters:

There are 35 clusters represented in this pham: singleton, DJ, DL, DZ, DR, DQ, A15, A14, A17, A16, A11, A10, CU1, A12, CW1, A19, A18, A3, A2, A5, A4, A6, A9, DU1, A22, A8, C2, CT, A20, A21, KA, CR6, A13, DE3, B3,

Info for manual annotations of cluster A10:

- Start number 28 was manually annotated 11 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 28 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 28 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

- Start number 28 was manually annotated 2 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 31 was manually annotated 9 times for cluster A15.
- Start number 39 was manually annotated 13 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 23 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 27 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 56 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 28 was manually annotated 28 times for cluster A2.
- Start number 29 was manually annotated 23 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 28 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 28 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 28 was manually annotated 90 times for cluster A3.
- Start number 32 was manually annotated 15 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 28 was manually annotated 142 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 28 was manually annotated 32 times for cluster A5.
- Start number 34 was manually annotated 6 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 21 was manually annotated 48 times for cluster A6.

Info for manual annotations of cluster A8:

- Start number 26 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 28 was manually annotated 30 times for cluster A9.
- Start number 29 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster B3:

- Start number 28 was manually annotated 1 time for cluster B3.

Info for manual annotations of cluster C2:

- Start number 56 was manually annotated 1 time for cluster C2.

Info for manual annotations of cluster CR6:

- Start number 28 was manually annotated 5 times for cluster CR6.

Info for manual annotations of cluster CT:

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

Info for manual annotations of cluster CU1:

- Start number 24 was manually annotated 2 times for cluster CU1.

Info for manual annotations of cluster CW1:

- Start number 36 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster DE3:

- Start number 26 was manually annotated 1 time for cluster DE3.

Info for manual annotations of cluster DJ:

- Start number 28 was manually annotated 11 times for cluster DJ.

Info for manual annotations of cluster DL:

- Start number 22 was manually annotated 2 times for cluster DL.

Info for manual annotations of cluster DR:

- Start number 20 was manually annotated 1 time for cluster DR.
- Start number 25 was manually annotated 8 times for cluster DR.
- Start number 26 was manually annotated 1 time for cluster DR.
- Start number 33 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DU1:

- Start number 22 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DZ:

- Start number 22 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster KA:

- Start number 22 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: 40AC_9 Start: 5287, Stop: 5973, Start Num: 28

Candidate Starts for 40AC_9:

(Start: 24 @5275 has 2 MA's), (Start: 28 @5287 has 386 MA's), (83, 5428), (106, 5521), (112, 5560), (126, 5611),

Gene: ACFishhook_5 Start: 2969, Stop: 3619, Start Num: 28

Candidate Starts for ACFishhook_5:

(Start: 28 @2969 has 386 MA's), (74, 3077), (96, 3152), (136, 3344),

Gene: AN3_32 Start: 24571, Stop: 25236, Start Num: 29

Candidate Starts for AN3_32:

(Start: 29 @24571 has 24 MA's), (55, 24634), (77, 24694), (81, 24703), (82, 24706), (177, 25084), (198, 25174), (207, 25216),

Gene: AN9_35 Start: 24556, Stop: 25221, Start Num: 29

Candidate Starts for AN9_35:

(Start: 29 @24556 has 24 MA's), (55, 24619), (77, 24679), (81, 24688), (82, 24691), (177, 25069), (198, 25159), (207, 25201),

Gene: ANI8_35 Start: 24556, Stop: 25221, Start Num: 29

Candidate Starts for ANI8_35:

(Start: 29 @24556 has 24 MA's), (55, 24619), (77, 24679), (81, 24688), (82, 24691), (177, 25069), (198, 25159), (207, 25201),

Gene: AbbysRanger_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for AbbysRanger_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Abdiel_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Abdiel_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (159, 3169), (208, 3367),

Gene: Achebe_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Achebe_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Acolyte_32 Start: 25057, Stop: 25704, Start Num: 29

Candidate Starts for Acolyte_32:

(Start: 29 @25057 has 24 MA's), (94, 25237), (98, 25267), (99, 25273), (119, 25357), (128, 25384), (148, 25471),

Gene: Adzzy_33 Start: 23085, Stop: 23747, Start Num: 29

Candidate Starts for Adzzy_33:

(Start: 29 @23085 has 24 MA's), (Start: 34 @23100 has 6 MA's), (74, 23199), (94, 23268), (122, 23397), (148, 23505), (190, 23631),

Gene: AgentM_5 Start: 3698, Stop: 4345, Start Num: 34

Candidate Starts for AgentM_5:

(Start: 28 @3680 has 386 MA's), (Start: 34 @3698 has 6 MA's), (Start: 56 @3746 has 2 MA's), (64, 3767), (96, 3863),

Gene: AgronaGT15_5 Start: 2540, Stop: 3172, Start Num: 28

Candidate Starts for AgronaGT15_5:

(Start: 28 @2540 has 386 MA's), (96, 2723), (97, 2726), (99, 2753),

Gene: AikoCarson_27 Start: 22132, Stop: 22770, Start Num: 28

Candidate Starts for AikoCarson_27:

(Start: 28 @22132 has 386 MA's), (Start: 31 @22141 has 9 MA's), (51, 22183), (58, 22201), (75, 22237), (80, 22249), (92, 22291), (94, 22297), (117, 22408), (142, 22513), (184, 22627),

Gene: Airmid_5 Start: 3407, Stop: 4048, Start Num: 28

Candidate Starts for Airmid_5:

(Start: 28 @3407 has 386 MA's), (44, 3443), (53, 3464), (62, 3491), (102, 3623), (121, 3704), (126, 3719), (207, 4025),

Gene: AksarBAT_37 Start: 32541, Stop: 33188, Start Num: 26

Candidate Starts for AksarBAT_37:

(Start: 26 @32541 has 13 MA's), (51, 32598), (62, 32628), (64, 32631), (74, 32649), (95, 32715), (125, 32853), (126, 32856), (176, 33033), (209, 33171),

Gene: Albee_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Albee_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Alberto7_5 Start: 2723, Stop: 3394, Start Num: 28

Candidate Starts for Alberto7_5:

(Start: 28 @2723 has 386 MA's), (132, 3083), (211, 3389),

Gene: Aleemily_25 Start: 23347, Stop: 24057, Start Num: 22

Candidate Starts for Aleemily_25:

(4, 22930), (11, 23185), (Start: 22 @23347 has 11 MA's), (Start: 27 @23362 has 1 MA's), (Start: 32 @23377 has 16 MA's), (108, 23629), (159, 23821),

Gene: Aliter_8 Start: 5167, Stop: 5796, Start Num: 28

Candidate Starts for Aliter_8:

(Start: 28 @5167 has 386 MA's), (46, 5206), (96, 5347), (99, 5377), (106, 5392),

Gene: Alma_8 Start: 5225, Stop: 5875, Start Num: 28

Candidate Starts for Alma_8:

(Start: 28 @5225 has 386 MA's), (95, 5402), (99, 5435), (150, 5639), (183, 5735),

Gene: Amok_27 Start: 22092, Stop: 22730, Start Num: 28

Candidate Starts for Amok_27:

(Start: 28 @22092 has 386 MA's), (38, 22116), (51, 22143), (58, 22161), (75, 22197), (80, 22209), (92, 22251), (94, 22257), (117, 22368), (142, 22473), (184, 22587),

Gene: AnarQue_39 Start: 33943, Stop: 34590, Start Num: 25

Candidate Starts for AnarQue_39:

(Start: 25 @33943 has 8 MA's), (51, 34000), (62, 34030), (64, 34033), (74, 34051), (97, 34123), (117, 34225), (125, 34255), (126, 34258), (157, 34375), (176, 34435), (209, 34573),

Gene: Anaysia_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for Anaysia_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: AndPeggy_27 Start: 22538, Stop: 23176, Start Num: 28

Candidate Starts for AndPeggy_27:

(Start: 28 @22538 has 386 MA's), (Start: 31 @22547 has 9 MA's), (51, 22589), (58, 22607), (75, 22643), (94, 22703), (142, 22919), (184, 23033),

Gene: Aneem_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Aneem_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902),

Gene: AnnaL29_8 Start: 5238, Stop: 5912, Start Num: 28

Candidate Starts for AnnaL29_8:

(Start: 28 @5238 has 386 MA's), (94, 5415), (127, 5559), (135, 5613), (162, 5709),

Gene: Annyong_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Annyong_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Anon_8 Start: 4936, Stop: 5598, Start Num: 39

Candidate Starts for Anon_8:

(Start: 39 @4936 has 13 MA's), (63, 4987), (80, 5041), (128, 5242), (141, 5317),

Gene: Anthony_5 Start: 2845, Stop: 3510, Start Num: 28

Candidate Starts for Anthony_5:

(Start: 28 @2845 has 386 MA's), (40, 2875), (74, 2956), (112, 3124), (121, 3154), (185, 3349),

Gene: Anubis_7 Start: 2809, Stop: 3468, Start Num: 28

Candidate Starts for Anubis_7:

(Start: 28 @2809 has 386 MA's), (64, 2896), (82, 2938), (96, 2992), (112, 3076), (117, 3094),

Gene: Apiary_24 Start: 12634, Stop: 13311, Start Num: 28

Candidate Starts for Apiary_24:

(Start: 28 @12634 has 386 MA's), (57, 12712), (68, 12745), (75, 12769), (78, 12778), (89, 12829), (92, 12838), (122, 12964), (154, 13072), (208, 13288),

Gene: Aragog_5 Start: 3728, Stop: 4375, Start Num: 34

Candidate Starts for Aragog_5:

(Start: 28 @3710 has 386 MA's), (Start: 34 @3728 has 6 MA's), (Start: 56 @3776 has 2 MA's), (64, 3797), (96, 3893),

Gene: ArcherNM_8 Start: 5248, Stop: 5922, Start Num: 28

Candidate Starts for ArcherNM_8:

(Start: 28 @5248 has 386 MA's), (127, 5569), (135, 5623), (162, 5719), (189, 5803),

Gene: Archetta_5 Start: 3446, Stop: 4087, Start Num: 28

Candidate Starts for Archetta_5:

(Start: 28 @3446 has 386 MA's), (74, 3554), (92, 3614), (102, 3662), (106, 3668), (112, 3707), (124, 3752), (126, 3758),

Gene: Artemis2UCLA_8 Start: 4544, Stop: 5242, Start Num: 21

Candidate Starts for Artemis2UCLA_8:

(Start: 21 @4544 has 48 MA's), (168, 5048), (210, 5234),

Gene: Artorias_26 Start: 18647, Stop: 19297, Start Num: 28

Candidate Starts for Artorias_26:

(Start: 28 @18647 has 386 MA's), (44, 18683), (106, 18869), (140, 19031), (145, 19040), (148, 19049), (182, 19148), (192, 19178),

Gene: Arturo_4 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for Arturo_4:

(Start: 28 @2722 has 386 MA's), (112, 2989), (128, 3046), (149, 3133), (170, 3202), (208, 3370),

Gene: Astro_5 Start: 3347, Stop: 4006, Start Num: 26

Candidate Starts for Astro_5:

(Start: 26 @3347 has 13 MA's), (52, 3404), (71, 3446), (150, 3764), (176, 3863),

Gene: AugsMagnumOpus_7 Start: 2890, Stop: 3549, Start Num: 28

Candidate Starts for AugsMagnumOpus_7:

(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3529),

Gene: AvatarAhPeg_5 Start: 2718, Stop: 3383, Start Num: 28

Candidate Starts for AvatarAhPeg_5:

(Start: 28 @2718 has 386 MA's), (61, 2799), (112, 2985), (140, 3111),

Gene: Avazak_26 Start: 18654, Stop: 19304, Start Num: 28

Candidate Starts for Avazak_26:

(Start: 28 @18654 has 386 MA's), (44, 18690), (106, 18876), (140, 19038), (145, 19047), (148, 19056), (182, 19155), (192, 19185),

Gene: Avle17_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Avle17_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Ayanochan_9 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for Ayanochan_9:

(Start: 28 @5227 has 386 MA's), (99, 5437), (182, 5743), (195, 5821),

Gene: B1_04 Start: 2514, Stop: 3149, Start Num: 28

Candidate Starts for B1_04:

(Start: 28 @2514 has 386 MA's), (96, 2697), (99, 2727), (118, 2805), (128, 2838),

Gene: BABullseye_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for BABullseye_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Baby16_5 Start: 2731, Stop: 3393, Start Num: 28

Candidate Starts for Baby16_5:

(Start: 28 @2731 has 386 MA's), (73, 2836), (152, 3148), (153, 3151), (208, 3376),

Gene: BabyBack_8 Start: 5112, Stop: 5783, Start Num: 28

Candidate Starts for BabyBack_8:

(Start: 28 @5112 has 386 MA's), (61, 5193), (94, 5289), (128, 5436),

Gene: BabyJohn_4 Start: 2767, Stop: 3399, Start Num: 28

Candidate Starts for BabyJohn_4:

(Start: 28 @2767 has 386 MA's), (96, 2950), (99, 2980),

Gene: BabyRay_5 Start: 2781, Stop: 3440, Start Num: 32

Candidate Starts for BabyRay_5:

(Start: 32 @2781 has 16 MA's), (42, 2802), (64, 2868), (94, 2958), (99, 2994), (131, 3138), (160, 3240), (196, 3378),

Gene: Bachome_8 Start: 5407, Stop: 6069, Start Num: 28

Candidate Starts for Bachome_8:

(Start: 28 @5407 has 386 MA's), (Start: 56 @5473 has 2 MA's), (84, 5548), (109, 5659), (178, 5899),

Gene: Backyardigan_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Backyardigan_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Bactobuster_8 Start: 5068, Stop: 5730, Start Num: 28

Candidate Starts for Bactobuster_8:

(Start: 28 @5068 has 386 MA's), (61, 5149), (73, 5173), (112, 5329), (140, 5455), (153, 5482),

Gene: Badger_5 Start: 2734, Stop: 3396, Start Num: 28

Candidate Starts for Badger_5:

(Start: 28 @2734 has 386 MA's), (73, 2839), (153, 3154),

Gene: BangNhom_4 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for BangNhom_4:

(Start: 28 @2722 has 386 MA's), (94, 2899), (112, 2989), (140, 3115),

Gene: Banquo_3 Start: 665, Stop: 1360, Start Num: 24

Candidate Starts for Banquo_3:

(10, 434), (14, 509), (15, 515), (17, 590), (Start: 24 @665 has 2 MA's), (Start: 28 @677 has 386 MA's), (Start: 39 @704 has 13 MA's), (59, 755), (79, 812), (89, 857), (92, 866), (119, 986), (124, 998), (128, 1010), (175, 1193),

Gene: Bartimeaus_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Bartimeaus_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Battleship_9 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for Battleship_9:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: Beauxregard13_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Beauxregard13_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Beemo_8 Start: 5228, Stop: 5899, Start Num: 28

Candidate Starts for Beemo_8:

(Start: 28 @5228 has 386 MA's), (94, 5402), (99, 5438), (153, 5651), (195, 5822),

Gene: Bellris_30 Start: 23978, Stop: 24619, Start Num: 28

Candidate Starts for Bellris_30:

(18, 23906), (Start: 28 @23978 has 386 MA's), (82, 24113), (94, 24161), (148, 24392), (207, 24599),

Gene: BellusTerra_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for BellusTerra_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Benedict_5 Start: 3409, Stop: 4050, Start Num: 28

Candidate Starts for Benedict_5:

(Start: 28 @3409 has 386 MA's), (44, 3445), (53, 3466), (62, 3493), (102, 3625), (121, 3706), (126, 3721), (207, 4027),

Gene: BennyP_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for BennyP_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: BiancaTri92_8 Start: 5044, Stop: 5694, Start Num: 28

Candidate Starts for BiancaTri92_8:

(Start: 28 @5044 has 386 MA's), (58, 5116), (94, 5221), (105, 5269), (182, 5560),

Gene: Bigflo_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Bigflo_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: BillDoor_30 Start: 22485, Stop: 23123, Start Num: 28

Candidate Starts for BillDoor_30:

(Start: 28 @22485 has 386 MA's), (Start: 31 @22494 has 9 MA's), (51, 22536), (58, 22554), (75, 22590), (94, 22650), (142, 22866), (184, 22980),

Gene: Blackmoor_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Blackmoor_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Blackpen_39 Start: 33361, Stop: 34008, Start Num: 25

Candidate Starts for Blackpen_39:

(Start: 25 @33361 has 8 MA's), (51, 33418), (62, 33448), (64, 33451), (74, 33469), (117, 33643), (125, 33673), (126, 33676), (129, 33688), (176, 33853), (209, 33991),

Gene: BlessJoy_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for BlessJoy_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Blinn1_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Blinn1_8:

(Start: 21 @4661 has 48 MA's), (146, 5102), (168, 5165), (210, 5351),

Gene: Blue7_8 Start: 4655, Stop: 5353, Start Num: 21

Candidate Starts for Blue7_8:

(Start: 21 @4655 has 48 MA's), (168, 5159), (210, 5345),

Gene: BlueBird_5 Start: 2830, Stop: 3480, Start Num: 28

Candidate Starts for BlueBird_5:

(Start: 28 @2830 has 386 MA's), (112, 3097), (207, 3460),

Gene: Bluefalcon_4 Start: 3677, Stop: 4342, Start Num: 28

Candidate Starts for Bluefalcon_4:

(Start: 28 @3677 has 386 MA's), (Start: 34 @3695 has 6 MA's), (Start: 56 @3743 has 2 MA's), (64, 3764), (96, 3860),

Gene: BobRoss2024_36 Start: 32051, Stop: 32710, Start Num: 25

Candidate Starts for BobRoss2024_36:

(Start: 25 @32051 has 8 MA's), (51, 32108), (77, 32168), (85, 32189), (86, 32195), (128, 32372), (148, 32456), (161, 32498), (183, 32567), (185, 32576), (200, 32648),

Gene: BobSwaget_9 Start: 5384, Stop: 6061, Start Num: 28

Candidate Starts for BobSwaget_9:

(Start: 28 @5384 has 386 MA's), (95, 5564), (110, 5645), (115, 5660), (128, 5708), (153, 5798), (159, 5825),

Gene: BogosyJay_8 Start: 5009, Stop: 5659, Start Num: 28

Candidate Starts for BogosyJay_8:

(Start: 28 @5009 has 386 MA's), (95, 5186), (99, 5219), (150, 5423), (183, 5519),

Gene: Bombshell_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Bombshell_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Bonamassa_5 Start: 3603, Stop: 4265, Start Num: 28

Candidate Starts for Bonamassa_5:

(Start: 28 @3603 has 386 MA's), (Start: 32 @3615 has 16 MA's), (44, 3639), (50, 3654), (Start: 56 @3669 has 2 MA's), (84, 3744), (114, 3873), (178, 4095),

Gene: Boohoo_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for Boohoo_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: Bowtie_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Bowtie_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902),

Gene: Braxoaddie_24 Start: 12622, Stop: 13299, Start Num: 28

Candidate Starts for Braxoaddie_24:

(Start: 28 @12622 has 386 MA's), (57, 12700), (68, 12733), (75, 12757), (78, 12766), (89, 12817), (92, 12826), (122, 12952), (154, 13060), (208, 13276),

Gene: Broseidon_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Broseidon_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (159, 3169), (208, 3367),

Gene: Bruiser_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Bruiser_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: BubbleTrouble_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for BubbleTrouble_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Bud_8 Start: 5416, Stop: 6078, Start Num: 28

Candidate Starts for Bud_8:

(Start: 28 @5416 has 386 MA's), (Start: 56 @5482 has 2 MA's), (84, 5557), (178, 5908), (188, 5953),

Gene: Bugatti_4 Start: 2830, Stop: 3480, Start Num: 28

Candidate Starts for Bugatti_4:

(Start: 28 @2830 has 386 MA's), (112, 3097), (207, 3460),

Gene: Bugg_27 Start: 18682, Stop: 19329, Start Num: 28

Candidate Starts for Bugg_27:

(Start: 28 @18682 has 386 MA's), (Start: 56 @18745 has 2 MA's), (104, 18895), (133, 19033), (167, 19141), (191, 19207),

Gene: Bumblebee11_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Bumblebee11_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Burger_4 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Burger_4:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: BuzzBuzz_4 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for BuzzBuzz_4:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: Bxz2_5 Start: 2730, Stop: 3362, Start Num: 28

Candidate Starts for Bxz2_5:

(Start: 28 @2730 has 386 MA's), (96, 2913), (97, 2916), (99, 2943),

Gene: C3_30 Start: 24556, Stop: 25221, Start Num: 29

Candidate Starts for C3_30:

(Start: 29 @24556 has 24 MA's), (55, 24619), (77, 24679), (81, 24688), (82, 24691), (177, 25069), (198, 25159), (207, 25201),

Gene: Caelakin_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Caelakin_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Cafasso_26 Start: 23921, Stop: 24631, Start Num: 22

Candidate Starts for Cafasso_26:

(4, 23504), (11, 23759), (Start: 22 @23921 has 11 MA's), (Start: 27 @23936 has 1 MA's), (Start: 32 @23951 has 16 MA's), (108, 24203), (159, 24395),

Gene: CaiB_39 Start: 33929, Stop: 34576, Start Num: 25

Candidate Starts for CaiB_39:

(Start: 25 @33929 has 8 MA's), (51, 33986), (62, 34016), (64, 34019), (74, 34037), (97, 34109), (117, 34211), (125, 34241), (126, 34244), (176, 34421), (209, 34559),

Gene: Caitlin_4 Start: 3347, Stop: 4006, Start Num: 26

Candidate Starts for Caitlin_4:

(Start: 26 @3347 has 13 MA's), (52, 3404), (71, 3446), (150, 3764), (176, 3863),

Gene: Calvinny_5 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Calvinny_5:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: Camperdownii_5 Start: 2727, Stop: 3401, Start Num: 28

Candidate Starts for Camperdownii_5:

(Start: 28 @2727 has 386 MA's), (50, 2778), (99, 2940), (115, 3003),

Gene: Candra_8 Start: 4694, Stop: 5392, Start Num: 21

Candidate Starts for Candra_8:

(Start: 21 @4694 has 48 MA's), (168, 5198), (210, 5384),

Gene: CanesSauce_28 Start: 22691, Stop: 23383, Start Num: 28

Candidate Starts for CanesSauce_28:

(Start: 28 @22691 has 386 MA's), (53, 22748), (Start: 56 @22757 has 2 MA's), (64, 22778), (88, 22853), (172, 23195),

Gene: Captrips_26 Start: 18675, Stop: 19322, Start Num: 28

Candidate Starts for Captrips_26:

(Start: 28 @18675 has 386 MA's), (Start: 56 @18738 has 2 MA's), (104, 18888), (133, 19026), (167, 19134), (191, 19200),

Gene: CaramellLatte_28 Start: 22691, Stop: 23383, Start Num: 28

Candidate Starts for CaramellLatte_28:

(Start: 28 @22691 has 386 MA's), (53, 22748), (Start: 56 @22757 has 2 MA's), (64, 22778), (88, 22853), (172, 23195),

Gene: Caraxes_31 Start: 22947, Stop: 23612, Start Num: 28

Candidate Starts for Caraxes_31:

(Start: 28 @22947 has 386 MA's), (Start: 29 @22950 has 24 MA's), (74, 23061), (94, 23130), (96, 23136), (99, 23166), (119, 23250), (152, 23373), (172, 23445), (202, 23562),

Gene: Catalina_8 Start: 5240, Stop: 5869, Start Num: 28

Candidate Starts for Catalina_8:

(Start: 28 @5240 has 386 MA's), (46, 5279), (96, 5420), (99, 5450), (106, 5465),

Gene: Caviar_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Caviar_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Celestiallunch_32 Start: 24063, Stop: 24701, Start Num: 28

Candidate Starts for Celestiallunch_32:

(8, 23796), (Start: 28 @24063 has 386 MA's), (47, 24099), (94, 24240), (148, 24474), (207, 24681),

Gene: CentreCat_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for CentreCat_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Cerulean_5 Start: 2723, Stop: 3388, Start Num: 28

Candidate Starts for Cerulean_5:

(Start: 28 @2723 has 386 MA's), (94, 2900), (112, 2990), (140, 3116),

Gene: Chadwick_5 Start: 3406, Stop: 4047, Start Num: 28

Candidate Starts for Chadwick_5:

(Start: 28 @3406 has 386 MA's), (44, 3442), (53, 3463), (62, 3490), (102, 3622), (121, 3703), (126, 3718), (207, 4024),

Gene: ChampagnePapi_5 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for ChampagnePapi_5:

(Start: 28 @2722 has 386 MA's), (94, 2899), (112, 2989), (140, 3115),

Gene: Changeling_8 Start: 5275, Stop: 5919, Start Num: 28

Candidate Starts for Changeling_8:

(Start: 28 @5275 has 386 MA's), (50, 5326), (95, 5455), (96, 5458), (107, 5506), (123, 5584), (207, 5899),

Gene: Chaph_5 Start: 2731, Stop: 3393, Start Num: 28

Candidate Starts for Chaph_5:

(Start: 28 @2731 has 386 MA's), (73, 2836), (152, 3148), (153, 3151), (208, 3376),

Gene: Chargerpower_33 Start: 23787, Stop: 24434, Start Num: 28

Candidate Starts for Chargerpower_33:

(Start: 28 @23787 has 386 MA's), (30, 23793), (61, 23871), (68, 23886), (74, 23898), (94, 23967), (96, 23973), (101, 24006), (128, 24114), (207, 24414),

Gene: Charm_32 Start: 24071, Stop: 24721, Start Num: 28

Candidate Starts for Charm_32:

(3, 23615), (8, 23804), (18, 23999), (Start: 28 @24071 has 386 MA's), (47, 24113), (64, 24164), (94, 24254), (97, 24263), (111, 24341), (127, 24398), (148, 24488),

Gene: Chartreuse_8 Start: 4608, Stop: 5306, Start Num: 21

Candidate Starts for Chartreuse_8:

(Start: 21 @4608 has 48 MA's), (168, 5112), (210, 5298),

Gene: Che12_34 Start: 23324, Stop: 23983, Start Num: 29

Candidate Starts for Che12_34:

(Start: 29 @23324 has 24 MA's), (Start: 34 @23339 has 6 MA's), (74, 23438), (119, 23624), (122, 23633), (148, 23741),

Gene: ChickyNuggy_27 Start: 18387, Stop: 19034, Start Num: 28

Candidate Starts for ChickyNuggy_27:

(Start: 28 @18387 has 386 MA's), (Start: 56 @18450 has 2 MA's), (104, 18600), (133, 18738), (167, 18846), (191, 18912),

Gene: Chiqui_4 Start: 2767, Stop: 3399, Start Num: 28

Candidate Starts for Chiqui_4:

(Start: 28 @2767 has 386 MA's), (96, 2950), (99, 2980),

Gene: ChocoMunchkin_28 Start: 22691, Stop: 23383, Start Num: 28

Candidate Starts for ChocoMunchkin_28:

(Start: 28 @22691 has 386 MA's), (53, 22748), (Start: 56 @22757 has 2 MA's), (64, 22778), (88, 22853), (172, 23195),

Gene: Chupacabra_5 Start: 2816, Stop: 3463, Start Num: 28

Candidate Starts for Chupacabra_5:

(Start: 28 @2816 has 386 MA's), (64, 2903), (94, 2993), (123, 3125), (133, 3176), (134, 3179), (143, 3215), (208, 3449),

Gene: Cici_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Cici_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Cindaradix_5 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for Cindaradix_5:

(Start: 28 @2722 has 386 MA's), (61, 2803), (132, 3076),

Gene: Cintron_5 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for Cintron_5:

(Start: 28 @2722 has 386 MA's), (61, 2803), (64, 2809), (112, 2989), (140, 3115),

Gene: Citius_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Citius_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Clammy_4 Start: 2830, Stop: 3480, Start Num: 28

Candidate Starts for Clammy_4:

(Start: 28 @2830 has 386 MA's), (112, 3097), (207, 3460),

Gene: Clarenza_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Clarenza_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: CloudWang3_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for CloudWang3_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: CloverMinnie_39 Start: 33869, Stop: 34516, Start Num: 25

Candidate Starts for CloverMinnie_39:

(Start: 25 @33869 has 8 MA's), (51, 33926), (62, 33956), (64, 33959), (74, 33977), (117, 34151), (125, 34181), (126, 34184), (129, 34196), (176, 34361), (209, 34499),

Gene: ClownCar_5 Start: 2888, Stop: 3535, Start Num: 28

Candidate Starts for ClownCar_5:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (100, 3101), (101, 3104),

Gene: Cocoaberry_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Cocoaberry_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: CoffeeBean_24 Start: 12577, Stop: 13254, Start Num: 28

Candidate Starts for CoffeeBean_24:

(Start: 28 @12577 has 386 MA's), (57, 12655), (68, 12688), (75, 12712), (78, 12721), (89, 12772), (92, 12781), (122, 12907), (154, 13015), (208, 13231),

Gene: CogOmlette_30 Start: 23978, Stop: 24619, Start Num: 28

Candidate Starts for CogOmlette_30:

(18, 23906), (Start: 28 @23978 has 386 MA's), (82, 24113), (94, 24161), (148, 24392), (207, 24599),

Gene: Colbster_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Colbster_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Coldpizza_40 Start: 36634, Stop: 37356, Start Num: 20

Candidate Starts for Coldpizza_40:

(Start: 20 @36634 has 1 MA's), (57, 36724), (67, 36754), (85, 36814), (125, 36985), (137, 37063), (174, 37189), (204, 37309),

Gene: Colin_9 Start: 5247, Stop: 5933, Start Num: 28

Candidate Starts for Colin_9:

(Start: 28 @5247 has 386 MA's), (95, 5421), (129, 5571), (173, 5742), (197, 5862),

Gene: Colossa_26 Start: 22783, Stop: 23496, Start Num: 22

Candidate Starts for Colossa_26:

(5, 22381), (Start: 22 @22783 has 11 MA's), (50, 22849), (113, 23092), (137, 23209), (212, 23491),

Gene: Commander_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Commander_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Connomayer_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Connomayer_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Conquerage_8 Start: 5224, Stop: 5895, Start Num: 28

Candidate Starts for Conquerage_8:

(Start: 28 @5224 has 386 MA's), (99, 5434), (117, 5506), (153, 5647), (182, 5740), (195, 5818), (207, 5872),

Gene: Conspiracy_5 Start: 3447, Stop: 4088, Start Num: 28

Candidate Starts for Conspiracy_5:

(Start: 28 @3447 has 386 MA's), (74, 3555), (92, 3615), (102, 3663), (106, 3669), (112, 3708), (124, 3753), (126, 3759),

Gene: Coog_5 Start: 3571, Stop: 4233, Start Num: 28

Candidate Starts for Coog_5:

(Start: 28 @3571 has 386 MA's), (Start: 32 @3583 has 16 MA's), (44, 3607), (50, 3622), (Start: 56 @3637 has 2 MA's), (84, 3712), (114, 3841), (178, 4063),

Gene: Cookiedough_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Cookiedough_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Croquant_6 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Croquant_6:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Cuco_5 Start: 3602, Stop: 4264, Start Num: 28

Candidate Starts for Cuco_5:

(Start: 28 @3602 has 386 MA's), (Start: 32 @3614 has 16 MA's), (44, 3638), (50, 3653), (Start: 56 @3668 has 2 MA's), (84, 3743), (114, 3872), (178, 4094),

Gene: Cullens_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Cullens_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: D29_32 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for D29_32:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: D32_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for D32_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: DBQu4n_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for DBQu4n_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: DaHudson_5 Start: 2890, Stop: 3549, Start Num: 28

Candidate Starts for DaHudson_5:

(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3529),

Gene: DaVinci_8 Start: 4662, Stop: 5360, Start Num: 21

Candidate Starts for DaVinci_8:

(Start: 21 @4662 has 48 MA's), (168, 5166), (210, 5352),

Gene: Daishi_5 Start: 2404, Stop: 3036, Start Num: 28

Candidate Starts for Daishi_5:

(Start: 28 @2404 has 386 MA's), (96, 2587), (97, 2590), (99, 2617),

Gene: Dancer_26 Start: 18375, Stop: 19022, Start Num: 28

Candidate Starts for Dancer_26:

(Start: 28 @18375 has 386 MA's), (Start: 56 @18438 has 2 MA's), (104, 18588), (133, 18726), (167, 18834), (191, 18900),

Gene: Danforth_4 Start: 3362, Stop: 4021, Start Num: 26

Candidate Starts for Danforth_4:

(Start: 26 @3362 has 13 MA's), (52, 3419), (Start: 56 @3428 has 2 MA's), (71, 3461), (176, 3878),

Gene: Darrell_8 Start: 5117, Stop: 5806, Start Num: 28

Candidate Starts for Darrell_8:

(Start: 28 @5117 has 386 MA's), (83, 5261), (87, 5282), (106, 5354), (112, 5393), (126, 5444), (127, 5447), (158, 5579), (169, 5618), (193, 5708), (208, 5792),

Gene: DatBoi_42 Start: 38878, Stop: 39585, Start Num: 22

Candidate Starts for DatBoi_42:

(9, 38647), (12, 38716), (Start: 22 @38878 has 11 MA's), (Start: 27 @38893 has 1 MA's), (Start: 32 @38908 has 16 MA's), (150, 39325), (174, 39418), (204, 39538),

Gene: Datway_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Datway_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Deano_5 Start: 2722, Stop: 3390, Start Num: 28

Candidate Starts for Deano_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (128, 3046), (153, 3142),

Gene: DekHockey33_8 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for DekHockey33_8:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: DelvinSonDorr_7 Start: 4663, Stop: 5361, Start Num: 21

Candidate Starts for DelvinSonDorr_7:

(Start: 21 @4663 has 48 MA's), (168, 5167), (210, 5353),

Gene: Dexdert_38 Start: 33419, Stop: 34066, Start Num: 26

Candidate Starts for Dexdert_38:

(Start: 26 @33419 has 13 MA's), (51, 33476), (62, 33506), (64, 33509), (95, 33593), (115, 33692), (126, 33734), (151, 33830), (176, 33911), (209, 34049),

Gene: Dhanush_5 Start: 2721, Stop: 3383, Start Num: 28

Candidate Starts for Dhanush_5:

(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: DirtyDunning_5 Start: 2720, Stop: 3385, Start Num: 28

Candidate Starts for DirtyDunning_5:

(Start: 28 @2720 has 386 MA's), (61, 2801), (64, 2807), (94, 2897), (112, 2987), (140, 3113),

Gene: Discoknowium_5 Start: 3710, Stop: 4375, Start Num: 28

Candidate Starts for Discoknowium_5:

(Start: 28 @3710 has 386 MA's), (Start: 34 @3728 has 6 MA's), (Start: 56 @3776 has 2 MA's), (64, 3797), (96, 3893),

Gene: Dixon_5 Start: 3348, Stop: 4007, Start Num: 26

Candidate Starts for Dixon_5:

(Start: 26 @3348 has 13 MA's), (52, 3405), (71, 3447), (150, 3765), (176, 3864),

Gene: Dorothea_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Dorothea_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: DreamTeam1_32 Start: 23986, Stop: 24633, Start Num: 28

Candidate Starts for DreamTeam1_32:

(Start: 28 @23986 has 386 MA's), (30, 23992), (45, 24025), (55, 24049), (68, 24085), (74, 24097), (94, 24166), (96, 24172), (97, 24175), (101, 24205), (117, 24274), (128, 24313),

Gene: DropBear_5 Start: 2913, Stop: 3572, Start Num: 28

Candidate Starts for DropBear_5:

(Start: 28 @2913 has 386 MA's), (96, 3096), (136, 3297), (173, 3417),

Gene: Druantia_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Druantia_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Dublin_4 Start: 3571, Stop: 4233, Start Num: 28

Candidate Starts for Dublin_4:

(Start: 28 @3571 has 386 MA's), (44, 3607), (50, 3622), (Start: 56 @3637 has 2 MA's), (84, 3712), (114, 3841), (178, 4063),

Gene: Duplo_35 Start: 24450, Stop: 25121, Start Num: 29

Candidate Starts for Duplo_35:

(Start: 29 @24450 has 24 MA's), (64, 24540), (74, 24561), (94, 24630), (99, 24666), (110, 24714), (172, 24954), (173, 24957), (198, 25056), (202, 25071),

Gene: DustyMartin_6 Start: 2752, Stop: 3399, Start Num: 28

Candidate Starts for DustyMartin_6:

(Start: 28 @2752 has 386 MA's), (37, 2776), (64, 2839), (94, 2929), (112, 3019), (133, 3112),

Gene: EZMoney23_8 Start: 5345, Stop: 6004, Start Num: 28

Candidate Starts for EZMoney23_8:

(Start: 28 @5345 has 386 MA's), (96, 5528), (101, 5561), (112, 5612), (117, 5630), (208, 5990),

Gene: Eagle_4 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Eagle_4:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: EagleEye_8 Start: 4875, Stop: 5543, Start Num: 23

Candidate Starts for EagleEye_8:

(Start: 23 @4875 has 3 MA's), (66, 4968), (119, 5169), (157, 5310), (178, 5391),

Gene: Eaglepride_6 Start: 2816, Stop: 3460, Start Num: 28

Candidate Starts for Eaglepride_6:

(Start: 28 @2816 has 386 MA's), (64, 2903), (94, 2990), (96, 2996), (127, 3134), (133, 3173), (155, 3233),

Gene: Eapen_5 Start: 2724, Stop: 3386, Start Num: 28

Candidate Starts for Eapen_5:

(Start: 28 @2724 has 386 MA's), (73, 2829), (152, 3141), (153, 3144), (208, 3369),

Gene: Ebony_8 Start: 5416, Stop: 6078, Start Num: 28

Candidate Starts for Ebony_8:

(Start: 28 @5416 has 386 MA's), (Start: 56 @5482 has 2 MA's), (84, 5557), (109, 5668), (178, 5908), (188, 5953),

Gene: Edison31_5 Start: 2836, Stop: 3483, Start Num: 28

Candidate Starts for Edison31_5:

(Start: 28 @2836 has 386 MA's), (94, 3013), (123, 3145), (133, 3196), (134, 3199),

Gene: EdogawaKiddo_6 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for EdogawaKiddo_6:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: Eidsmoe_8 Start: 5224, Stop: 5895, Start Num: 28

Candidate Starts for Eidsmoe_8:

(Start: 28 @5224 has 386 MA's), (99, 5434), (117, 5506), (153, 5647), (182, 5740), (195, 5818), (207, 5872),

Gene: ElTiger69_5 Start: 3407, Stop: 4048, Start Num: 28

Candidate Starts for ElTiger69_5:

(Start: 28 @3407 has 386 MA's), (44, 3443), (53, 3464), (62, 3491), (102, 3623), (121, 3704), (126, 3719), (207, 4025),

Gene: Elephantoon_8 Start: 4805, Stop: 5470, Start Num: 28

Candidate Starts for Elephantoon_8:

(Start: 28 @4805 has 386 MA's), (99, 5009), (114, 5069), (127, 5117), (142, 5198), (187, 5333), (195, 5393), (207, 5447),

Gene: Elle_8 Start: 4308, Stop: 4970, Start Num: 39

Candidate Starts for Elle_8:

(Start: 39 @4308 has 13 MA's), (63, 4359), (69, 4377), (80, 4413), (128, 4614),

Gene: Emalyn_27 Start: 22133, Stop: 22771, Start Num: 28

Candidate Starts for Emalyn_27:

(Start: 28 @22133 has 386 MA's), (Start: 31 @22142 has 9 MA's), (51, 22184), (58, 22202), (75, 22238), (80, 22250), (92, 22292), (94, 22298), (117, 22409), (142, 22514), (184, 22628),

Gene: EmyBug_8 Start: 5224, Stop: 5895, Start Num: 28

Candidate Starts for EmyBug_8:

(Start: 28 @5224 has 386 MA's), (94, 5398), (99, 5434), (153, 5647), (195, 5818),

Gene: EpicPhail_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for EpicPhail_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Epsocamisio_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for Epsocamisio_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: EricB_8 Start: 4662, Stop: 5360, Start Num: 21

Candidate Starts for EricB_8:

(Start: 21 @4662 has 48 MA's), (168, 5166), (210, 5352),

Gene: Eris_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Eris_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Eros_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Eros_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Et2Brutus_7 Start: 5413, Stop: 6075, Start Num: 28

Candidate Starts for Et2Brutus_7:

(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (109, 5665), (178, 5905), (188, 5950),

Gene: EtoileNova_4 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for EtoileNova_4:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Eurydice_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Eurydice_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Evaa_37 Start: 33037, Stop: 33708, Start Num: 33

Candidate Starts for Evaa_37:

(1, 32194), (2, 32491), (19, 32962), (Start: 33 @33037 has 1 MA's), (89, 33199), (95, 33217), (120, 33334), (124, 33343), (126, 33349), (173, 33529), (208, 33688),

Gene: Expelliarmus_4 Start: 3348, Stop: 4007, Start Num: 26

Candidate Starts for Expelliarmus_4:

(Start: 26 @3348 has 13 MA's), (52, 3405), (71, 3447), (176, 3864),

Gene: ExplosioNervosa_8 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for ExplosioNervosa_8:

(Start: 28 @5227 has 386 MA's), (94, 5401), (99, 5437), (153, 5650), (195, 5821),

Gene: Farber_5 Start: 2891, Stop: 3550, Start Num: 28

Candidate Starts for Farber_5:

(Start: 28 @2891 has 386 MA's), (96, 3074), (101, 3107), (117, 3176), (207, 3530),

Gene: FatCactus_5 Start: 2885, Stop: 3526, Start Num: 28

Candidate Starts for FatCactus_5:

(Start: 28 @2885 has 386 MA's), (71, 2984), (74, 2993), (95, 3062), (121, 3185),

Gene: Fayely_8 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for Fayely_8:

(Start: 28 @5227 has 386 MA's), (94, 5401), (99, 5437), (153, 5650), (195, 5821),

Gene: FelixTres_40 Start: 33932, Stop: 34579, Start Num: 25

Candidate Starts for FelixTres_40:

(Start: 25 @33932 has 8 MA's), (51, 33989), (62, 34019), (64, 34022), (74, 34040), (97, 34112), (117, 34214), (125, 34244), (126, 34247), (157, 34364), (176, 34424), (209, 34562),

Gene: Fernando_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Fernando_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Fibonacci_8 Start: 5413, Stop: 6075, Start Num: 28

Candidate Starts for Fibonacci_8:

(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (178, 5905), (188, 5950),

Gene: Flaverint_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Flaverint_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902),

Gene: Florean_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Florean_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Florence1_5 Start: 3415, Stop: 4056, Start Num: 28

Candidate Starts for Florence1_5:

(Start: 28 @3415 has 386 MA's), (74, 3523), (92, 3583), (102, 3631), (106, 3637), (112, 3676), (126, 3727), (207, 4033),

Gene: Florence4_6 Start: 3415, Stop: 4056, Start Num: 28

Candidate Starts for Florence4_6:

(Start: 28 @3415 has 386 MA's), (74, 3523), (92, 3583), (102, 3631), (106, 3637), (112, 3676), (126, 3727), (207, 4033),

Gene: Flux_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Flux_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Football_27 Start: 18387, Stop: 19034, Start Num: 28

Candidate Starts for Football_27:

(Start: 28 @18387 has 386 MA's), (Start: 56 @18450 has 2 MA's), (104, 18600), (133, 18738), (167, 18846), (191, 18912),

Gene: ForGetIt_5 Start: 3473, Stop: 4114, Start Num: 28

Candidate Starts for ForGetIt_5:

(Start: 28 @3473 has 386 MA's), (74, 3581), (92, 3641), (102, 3689), (106, 3695), (112, 3734), (124, 3779), (126, 3785),

Gene: ForesterFrank_7 Start: 5331, Stop: 5987, Start Num: 28

Candidate Starts for ForesterFrank_7:

(Start: 28 @5331 has 386 MA's), (74, 5439), (75, 5442), (128, 5652), (138, 5721), (153, 5748),

Gene: FortCran_26 Start: 18647, Stop: 19297, Start Num: 28

Candidate Starts for FortCran_26:

(Start: 28 @18647 has 386 MA's), (44, 18683), (106, 18869), (140, 19031), (145, 19040), (148, 19049), (182, 19148), (192, 19178),

Gene: Fred313_5 Start: 2736, Stop: 3398, Start Num: 28

Candidate Starts for Fred313_5:

(Start: 28 @2736 has 386 MA's), (94, 2913), (99, 2949), (106, 2964), (114, 3009), (174, 3237), (188, 3270),

Gene: Funston_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Funston_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: GMA6_18 Start: 14860, Stop: 15507, Start Num: 36

Candidate Starts for GMA6_18:

(Start: 36 @14860 has 2 MA's), (41, 14869), (76, 14971), (201, 15448),

Gene: GTE2_24 Start: 22211, Stop: 22849, Start Num: 28

Candidate Starts for GTE2_24:

(Start: 28 @22211 has 386 MA's), (51, 22262), (58, 22280), (75, 22316), (92, 22370), (94, 22376), (117, 22487), (142, 22592), (184, 22706),

Gene: Gadost_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Gadost_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Garak_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Garak_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: GaugeLDP_8 Start: 4848, Stop: 5522, Start Num: 28

Candidate Starts for GaugeLDP_8:

(Start: 28 @4848 has 386 MA's), (94, 5025), (99, 5061), (112, 5115), (128, 5172), (172, 5352),

Gene: Gemma_5 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Gemma_5:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: George_4 Start: 3602, Stop: 4264, Start Num: 28

Candidate Starts for George_4:

(Start: 28 @3602 has 386 MA's), (Start: 32 @3614 has 16 MA's), (44, 3638), (50, 3653), (Start: 56 @3668 has 2 MA's), (84, 3743), (114, 3872), (178, 4094),

Gene: Ghoulboy_5 Start: 3679, Stop: 4344, Start Num: 28

Candidate Starts for Ghoulboy_5:

(Start: 28 @3679 has 386 MA's), (Start: 34 @3697 has 6 MA's), (Start: 56 @3745 has 2 MA's), (64, 3766), (96, 3862), (200, 4291),

Gene: Gilberta_8 Start: 5407, Stop: 6069, Start Num: 28

Candidate Starts for Gilberta_8:

(Start: 28 @5407 has 386 MA's), (Start: 56 @5473 has 2 MA's), (84, 5548), (109, 5659), (178, 5899),

Gene: GingkoMaracino_5 Start: 2809, Stop: 3468, Start Num: 28

Candidate Starts for GingkoMaracino_5:

(Start: 28 @2809 has 386 MA's), (64, 2896), (82, 2938), (96, 2992), (112, 3076), (117, 3094),

Gene: Giroux_5 Start: 2830, Stop: 3480, Start Num: 28

Candidate Starts for Giroux_5:

(Start: 28 @2830 has 386 MA's), (112, 3097), (207, 3460),

Gene: Gladiator_8 Start: 4655, Stop: 5353, Start Num: 21

Candidate Starts for Gladiator_8:

(Start: 21 @4655 has 48 MA's), (168, 5159), (210, 5345),

Gene: Goose_5 Start: 2818, Stop: 3465, Start Num: 28

Candidate Starts for Goose_5:

(Start: 28 @2818 has 386 MA's), (64, 2905), (94, 2995), (123, 3127), (133, 3178), (134, 3181), (143, 3217), (208, 3451),

Gene: GreedyLawyer_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for GreedyLawyer_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Grif_5 Start: 2719, Stop: 3351, Start Num: 28

Candidate Starts for Grif_5:

(Start: 28 @2719 has 386 MA's), (96, 2902), (97, 2905), (99, 2932),

Gene: Groundhog_4 Start: 3349, Stop: 4008, Start Num: 26

Candidate Starts for Groundhog_4:

(Start: 26 @3349 has 13 MA's), (52, 3406), (71, 3448), (176, 3865),

Gene: Groupthink_6 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Groupthink_6:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: Grum1_5 Start: 2629, Stop: 3261, Start Num: 28

Candidate Starts for Grum1_5:

(Start: 28 @2629 has 386 MA's), (96, 2812), (97, 2815), (99, 2842),

Gene: Gruunaga_8 Start: 4655, Stop: 5353, Start Num: 21

Candidate Starts for Gruunaga_8:

(Start: 21 @4655 has 48 MA's), (168, 5159), (210, 5345),

Gene: Gwennie_4 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Gwennie_4:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: HamSlice_4 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for HamSlice_4:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Hammer_8 Start: 4655, Stop: 5353, Start Num: 21

Candidate Starts for Hammer_8:

(Start: 21 @4655 has 48 MA's), (91, 4856), (168, 5159), (210, 5345),

Gene: Hanray_7 Start: 5230, Stop: 5901, Start Num: 28

Candidate Starts for Hanray_7:

(Start: 28 @5230 has 386 MA's), (94, 5404), (99, 5440), (153, 5653), (195, 5824),

Gene: Happiness_5 Start: 2724, Stop: 3389, Start Num: 28

Candidate Starts for Happiness_5:

(Start: 28 @2724 has 386 MA's), (94, 2901), (112, 2991), (140, 3117), (208, 3372),

Gene: HashRod_6 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for HashRod_6:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: HaveUMetTed_6 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for HaveUMetTed_6:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: Heathen_5 Start: 2661, Stop: 3311, Start Num: 28

Candidate Starts for Heathen_5:

(Start: 28 @2661 has 386 MA's), (96, 2844), (136, 3036), (173, 3156),

Gene: Heffalump_9 Start: 5602, Stop: 6279, Start Num: 28

Candidate Starts for Heffalump_9:

(Start: 28 @5602 has 386 MA's), (95, 5782), (110, 5860), (126, 5917), (178, 6112), (186, 6151), (192, 6181), (194, 6211),

Gene: HelDan_5 Start: 2913, Stop: 3563, Start Num: 28

Candidate Starts for HelDan_5:

(Start: 28 @2913 has 386 MA's), (96, 3096), (136, 3288), (173, 3408),

Gene: Heliosoles_5 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Heliosoles_5:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (100, 3101), (136, 3263),

Gene: Helmet_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Helmet_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Hercules11_5 Start: 2638, Stop: 3273, Start Num: 28

Candidate Starts for Hercules11_5:

(Start: 28 @2638 has 386 MA's), (99, 2851),

Gene: Hexamo_8 Start: 4616, Stop: 5314, Start Num: 21

Candidate Starts for Hexamo_8:

(Start: 21 @4616 has 48 MA's), (168, 5120), (210, 5306),

Gene: HippoHollow_8 Start: 5312, Stop: 5980, Start Num: 28

Candidate Starts for HippoHollow_8:

(Start: 28 @5312 has 386 MA's), (99, 5522), (128, 5633), (142, 5711), (166, 5780),

Gene: Horex_7 Start: 5230, Stop: 5901, Start Num: 28

Candidate Starts for Horex_7:

(Start: 28 @5230 has 386 MA's), (94, 5404), (99, 5440), (153, 5653), (195, 5824),

Gene: Holli_5 Start: 2515, Stop: 3177, Start Num: 28

Candidate Starts for Holli_5:

(Start: 28 @2515 has 386 MA's), (73, 2620), (152, 2932), (153, 2935), (208, 3160),

Gene: Hookmount_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Hookmount_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Hoot_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Hoot_8:

(Start: 21 @4661 has 48 MA's), (132, 5057), (168, 5165), (210, 5351),

Gene: HortumSL17_8 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for HortumSL17_8:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: Houdini22_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Houdini22_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: HuhtaEnerson15_5 Start: 3603, Stop: 4265, Start Num: 28

Candidate Starts for HuhtaEnerson15_5:

(Start: 28 @3603 has 386 MA's), (Start: 32 @3615 has 16 MA's), (44, 3639), (50, 3654), (Start: 56 @3669 has 2 MA's), (84, 3744), (114, 3873), (178, 4095),

Gene: Hutc2_8 Start: 5413, Stop: 6075, Start Num: 28

Candidate Starts for Hutc2_8:

(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (178, 5905), (188, 5950),

Gene: Huxley_5 Start: 2806, Stop: 3474, Start Num: 28

Candidate Starts for Huxley_5:

(Start: 28 @2806 has 386 MA's), (Start: 56 @2872 has 2 MA's), (128, 3130), (153, 3226),

Gene: ICleared_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for ICleared_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Iceman_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Iceman_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Idleandcovert_4 Start: 2830, Stop: 3480, Start Num: 28

Candidate Starts for Idleandcovert_4:

(Start: 28 @2830 has 386 MA's), (112, 3097), (207, 3460),

Gene: Indra_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Indra_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Insomnia_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Insomnia_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902), (188, 5947),

Gene: Iracema64_5 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for Iracema64_5:

(Start: 28 @2722 has 386 MA's), (61, 2803), (64, 2809), (112, 2989), (140, 3115),

Gene: IronMan_8 Start: 5076, Stop: 5738, Start Num: 28

Candidate Starts for IronMan_8:

(Start: 28 @5076 has 386 MA's), (61, 5157), (73, 5181), (153, 5490),

Gene: Isca_5 Start: 2750, Stop: 3385, Start Num: 28

Candidate Starts for Isca_5:

(Start: 28 @2750 has 386 MA's), (96, 2933), (99, 2963), (118, 3041), (128, 3074),

Gene: Isiphiwo_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Isiphiwo_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: JF2_5 Start: 2514, Stop: 3149, Start Num: 28

Candidate Starts for JF2_5:

(Start: 28 @2514 has 386 MA's), (96, 2697), (99, 2727), (118, 2805), (128, 2838),

Gene: JF4_5 Start: 2514, Stop: 3149, Start Num: 28

Candidate Starts for JF4_5:

(Start: 28 @2514 has 386 MA's), (96, 2697), (99, 2727), (118, 2805), (128, 2838),

Gene: JHC117_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for JHC117_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: JSwag_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for JSwag_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: Jaan_8 Start: 5072, Stop: 5734, Start Num: 28

Candidate Starts for Jaan_8:

(Start: 28 @5072 has 386 MA's), (61, 5153), (112, 5339), (140, 5465), (208, 5717),

Gene: Jabiru_5 Start: 3407, Stop: 4048, Start Num: 28

Candidate Starts for Jabiru_5:

(Start: 28 @3407 has 386 MA's), (44, 3443), (53, 3464), (62, 3491), (102, 3623), (121, 3704), (126, 3719), (207, 4025),

Gene: Jabith_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Jabith_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902), (188, 5947),

Gene: Jace_24 Start: 20590, Stop: 21267, Start Num: 32

Candidate Starts for Jace_24:

(Start: 32 @20590 has 16 MA's), (35, 20599), (48, 20623), (55, 20644), (90, 20767), (114, 20878), (116, 20884), (155, 21013),

Gene: Jaykayelowell_5 Start: 2721, Stop: 3383, Start Num: 28

Candidate Starts for Jaykayelowell_5:

(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: Jeanie_17 Start: 12036, Stop: 12680, Start Num: 36

Candidate Starts for Jeanie_17:

(Start: 36 @12036 has 2 MA's), (96, 12207), (150, 12432), (171, 12507), (173, 12513), (176, 12525), (188, 12546), (199, 12612),

Gene: Jeeves_32 Start: 23861, Stop: 24529, Start Num: 28

Candidate Starts for Jeeves_32:

(18, 23789), (Start: 28 @23861 has 386 MA's), (94, 24044), (117, 24152), (119, 24164), (144, 24272), (207, 24509),

Gene: Jeffabunny_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Jeffabunny_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: JenCasNa_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for JenCasNa_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: JeppNRM_6 Start: 2888, Stop: 3535, Start Num: 28

Candidate Starts for JeppNRM_6:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (101, 3104),

Gene: JetBlade_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for JetBlade_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: JewelBug_8 Start: 4662, Stop: 5360, Start Num: 21

Candidate Starts for JewelBug_8:

(Start: 21 @4662 has 48 MA's), (168, 5166), (210, 5352),

Gene: Jiawan_7 Start: 5230, Stop: 5901, Start Num: 28

Candidate Starts for Jiawan_7:

(Start: 28 @5230 has 386 MA's), (94, 5404), (99, 5440), (153, 5653), (195, 5824),

Gene: Jobu08_5 Start: 2962, Stop: 3621, Start Num: 28

Candidate Starts for Jobu08_5:

(Start: 28 @2962 has 386 MA's), (64, 3049), (82, 3091), (96, 3145), (103, 3184), (112, 3229),

Gene: JoongJeon_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for JoongJeon_5:

(Start: 28 @2722 has 386 MA's), (152, 3139), (153, 3142), (208, 3367),

Gene: Jordennis_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Jordennis_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Joselito_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Joselito_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902),

Gene: Jovo_5 Start: 3729, Stop: 4376, Start Num: 34

Candidate Starts for Jovo_5:

(Start: 28 @3711 has 386 MA's), (Start: 34 @3729 has 6 MA's), (Start: 56 @3777 has 2 MA's), (64, 3798), (96, 3894),

Gene: JulesRay_26 Start: 18669, Stop: 19316, Start Num: 28

Candidate Starts for JulesRay_26:

(Start: 28 @18669 has 386 MA's), (Start: 56 @18732 has 2 MA's), (104, 18882), (133, 19020), (167, 19128), (191, 19194),

Gene: KADY_6 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for KADY_6:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: KFPoly_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for KFPoly_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Kachowdy_5 Start: 2913, Stop: 3563, Start Num: 28

Candidate Starts for Kachowdy_5:

(Start: 28 @2913 has 386 MA's), (96, 3096), (136, 3288), (173, 3408),

Gene: Kalb97_6 Start: 2886, Stop: 3536, Start Num: 28

Candidate Starts for Kalb97_6:

(Start: 28 @2886 has 386 MA's), (74, 2994), (96, 3069), (136, 3261),

Gene: Kalnoky_6 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Kalnoky_6:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: Kalpine_8 Start: 5367, Stop: 6047, Start Num: 28

Candidate Starts for Kalpine_8:

(Start: 28 @5367 has 386 MA's), (95, 5547), (188, 5910),

Gene: Kamy_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Kamy_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Katalie136_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Katalie136_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: KatherineG_8 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for KatherineG_8:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: Kazan_8 Start: 4661, Stop: 5365, Start Num: 21

Candidate Starts for Kazan_8:

(Start: 21 @4661 has 48 MA's), (168, 5171), (210, 5357),

Gene: KekoraPapaka_4 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for KekoraPapaka_4:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Kerberos_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for Kerberos_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: Kimba_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Kimba_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902), (188, 5947),

Gene: Kimona_29 Start: 22444, Stop: 23019, Start Num: 56

Candidate Starts for Kimona_29:

(Start: 20 @22342 has 1 MA's), (Start: 56 @22444 has 2 MA's), (60, 22459), (64, 22468), (94, 22552), (99, 22588), (116, 22654), (117, 22660), (195, 22954),

Gene: Kingmustik0402_5 Start: 2714, Stop: 3376, Start Num: 28

Candidate Starts for Kingmustik0402_5:

(Start: 28 @2714 has 386 MA's), (73, 2819), (152, 3131), (153, 3134), (208, 3359),

Gene: Kinmap_33 Start: 24255, Stop: 24890, Start Num: 28

Candidate Starts for Kinmap_33:

(Start: 28 @24255 has 386 MA's), (148, 24669), (165, 24723),

Gene: Kipper29_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Kipper29_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Klodlith_32 Start: 23986, Stop: 24633, Start Num: 28

Candidate Starts for Klodlith_32:

(Start: 28 @23986 has 386 MA's), (30, 23992), (45, 24025), (55, 24049), (68, 24085), (74, 24097), (94, 24166), (96, 24172), (97, 24175), (101, 24205), (117, 24274), (128, 24313),

Gene: Koan_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Koan_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Koduck_33 Start: 23582, Stop: 24238, Start Num: 29

Candidate Starts for Koduck_33:

(Start: 28 @23579 has 386 MA's), (Start: 29 @23582 has 24 MA's), (Start: 34 @23597 has 6 MA's), (74, 23696), (99, 23801), (119, 23885), (153, 24011), (160, 24041),

Gene: Koko_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Koko_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Koreni_5 Start: 2722, Stop: 3393, Start Num: 28

Candidate Starts for Koreni_5:

(Start: 28 @2722 has 386 MA's), (132, 3082),

Gene: Kratark_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Kratark_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Kremtemulon_5 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for Kremtemulon_5:

(Start: 28 @2722 has 386 MA's), (61, 2803), (64, 2809), (112, 2989), (140, 3115),

Gene: Kristoff_6 Start: 3001, Stop: 3648, Start Num: 28

Candidate Starts for Kristoff_6:

(Start: 28 @3001 has 386 MA's), (74, 3109), (94, 3178), (112, 3268), (133, 3361),

Gene: Kudfre_32 Start: 27445, Stop: 28155, Start Num: 22

Candidate Starts for Kudfre_32:

(Start: 22 @27445 has 11 MA's), (94, 27649), (96, 27655), (109, 27730), (124, 27778), (125, 27781), (126, 27784), (137, 27859), (176, 27988), (199, 28087), (207, 28129),

Gene: Kyee_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Kyee_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: L5_32 Start: 23536, Stop: 24198, Start Num: 29

Candidate Starts for L5_32:

(Start: 29 @23536 has 24 MA's), (Start: 34 @23551 has 6 MA's), (55, 23608), (74, 23656), (99, 23761), (119, 23845), (153, 23971), (160, 24001),

Gene: LBerry_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for LBerry_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: LHTSCC_5 Start: 2722, Stop: 3387, Start Num: 28

Candidate Starts for LHTSCC_5:

(Start: 28 @2722 has 386 MA's), (94, 2899), (112, 2989), (140, 3115),

Gene: Lambert1_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Lambert1_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Landor_8 Start: 5074, Stop: 5736, Start Num: 28

Candidate Starts for Landor_8:

(Start: 28 @5074 has 386 MA's), (61, 5155), (73, 5179), (112, 5335), (140, 5461), (153, 5488),

Gene: LappelDuVide_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for LappelDuVide_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: LarryKay_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for LarryKay_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: LastResort_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for LastResort_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: Lemur_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Lemur_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: LeoAvram_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for LeoAvram_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Leogania_8 Start: 5401, Stop: 6051, Start Num: 28

Candidate Starts for Leogania_8:

(Start: 28 @5401 has 386 MA's), (58, 5473), (94, 5578), (105, 5626), (182, 5917),

Gene: Lev2_5 Start: 3446, Stop: 4087, Start Num: 28

Candidate Starts for Lev2_5:

(Start: 28 @3446 has 386 MA's), (74, 3554), (92, 3614), (102, 3662), (106, 3668), (112, 3707), (124, 3752), (126, 3758),

Gene: Lilbunny_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Lilbunny_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Lilith_5 Start: 2891, Stop: 3550, Start Num: 28

Candidate Starts for Lilith_5:

(Start: 28 @2891 has 386 MA's), (96, 3074), (101, 3107), (117, 3176), (207, 3530),

Gene: Lilleskat_6 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for Lilleskat_6:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: LionsBait_8 Start: 5306, Stop: 5974, Start Num: 28

Candidate Starts for LionsBait_8:

(Start: 28 @5306 has 386 MA's), (99, 5516), (128, 5627), (142, 5705), (166, 5774),

Gene: LittleB_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for LittleB_5:

(Start: 28 @2722 has 386 MA's), (50, 2773), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: LittleCherry_5 Start: 3604, Stop: 4266, Start Num: 28

Candidate Starts for LittleCherry_5:

(Start: 28 @3604 has 386 MA's), (Start: 32 @3616 has 16 MA's), (44, 3640), (50, 3655), (Start: 56 @3670 has 2 MA's), (84, 3745), (114, 3874), (178, 4096),

Gene: LittleGuy_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for LittleGuy_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (153, 3142), (208, 3367),

Gene: LochMonster_5 Start: 2720, Stop: 3385, Start Num: 28

Candidate Starts for LochMonster_5:

(Start: 28 @2720 has 386 MA's), (61, 2801), (64, 2807), (112, 2987), (140, 3113),

Gene: Lokk_9 Start: 5386, Stop: 6063, Start Num: 28

Candidate Starts for Lokk_9:

(Start: 28 @5386 has 386 MA's), (44, 5422), (95, 5566), (115, 5662), (128, 5710), (153, 5800), (159, 5827),

Gene: LoneWolf_8 Start: 4997, Stop: 5665, Start Num: 28

Candidate Starts for LoneWolf_8:

(Start: 28 @4997 has 386 MA's), (95, 5171), (99, 5204), (139, 5387), (187, 5528), (195, 5588),

Gene: Lorenzo_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Lorenzo_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Loser_8 Start: 5253, Stop: 5897, Start Num: 28

Candidate Starts for Loser_8:

(Start: 28 @5253 has 386 MA's), (95, 5433), (107, 5484),

Gene: Louie6_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for Louie6_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933), (195, 3287),

Gene: Lowa_5 Start: 2890, Stop: 3549, Start Num: 28

Candidate Starts for Lowa_5:

(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3529),

Gene: Lucivia_8 Start: 5407, Stop: 6069, Start Num: 28

Candidate Starts for Lucivia_8:

(Start: 28 @5407 has 386 MA's), (Start: 56 @5473 has 2 MA's), (84, 5548), (109, 5659), (178, 5899), (188, 5944),

Gene: Lucyedi_8 Start: 4875, Stop: 5543, Start Num: 23

Candidate Starts for Lucyedi_8:

(Start: 23 @4875 has 3 MA's), (53, 4932), (66, 4968), (119, 5169), (178, 5391),

Gene: LugYA_7 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for LugYA_7:
(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Lunsford_5 Start: 2722, Stop: 3384, Start Num: 28
Candidate Starts for Lunsford_5:
(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: MA5_5 Start: 2468, Stop: 3118, Start Num: 28
Candidate Starts for MA5_5:
(Start: 28 @2468 has 386 MA's), (96, 2651), (136, 2843),

Gene: MK4_5 Start: 2748, Stop: 3383, Start Num: 28
Candidate Starts for MK4_5:
(Start: 28 @2748 has 386 MA's), (96, 2931), (99, 2961), (118, 3039), (128, 3072),

Gene: MaCh_8 Start: 5407, Stop: 6069, Start Num: 28
Candidate Starts for MaCh_8:
(Start: 28 @5407 has 386 MA's), (Start: 56 @5473 has 2 MA's), (84, 5548), (109, 5659), (178, 5899),

Gene: Mabel_8 Start: 5422, Stop: 6084, Start Num: 28
Candidate Starts for Mabel_8:
(Start: 28 @5422 has 386 MA's), (Start: 56 @5488 has 2 MA's), (84, 5563), (109, 5674), (178, 5914),
(188, 5959),

Gene: MakoManhole_39 Start: 33947, Stop: 34594, Start Num: 25
Candidate Starts for MakoManhole_39:
(Start: 25 @33947 has 8 MA's), (51, 34004), (62, 34034), (64, 34037), (74, 34055), (117, 34229), (125, 34259), (126, 34262), (129, 34274), (176, 34439), (209, 34577),

Gene: Malec_33 Start: 25107, Stop: 25760, Start Num: 28
Candidate Starts for Malec_33:
(18, 25035), (Start: 28 @25107 has 386 MA's), (47, 25149), (99, 25326), (114, 25386), (115, 25389),
(119, 25410), (129, 25443), (148, 25527), (185, 25641), (201, 25707),

Gene: Malinsilva_7 Start: 2890, Stop: 3549, Start Num: 28
Candidate Starts for Malinsilva_7:
(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3529),

Gene: Maminiaina_8 Start: 4988, Stop: 5638, Start Num: 28
Candidate Starts for Maminiaina_8:
(Start: 28 @4988 has 386 MA's), (95, 5165), (99, 5198), (150, 5402), (183, 5498),

Gene: Manu_6 Start: 2888, Stop: 3538, Start Num: 28
Candidate Starts for Manu_6:
(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: MarQuardt_5 Start: 2899, Stop: 3558, Start Num: 28
Candidate Starts for MarQuardt_5:
(Start: 28 @2899 has 386 MA's), (96, 3082), (101, 3115), (117, 3184), (207, 3538),

Gene: Marchesa_5 Start: 2913, Stop: 3563, Start Num: 28
Candidate Starts for Marchesa_5:
(Start: 28 @2913 has 386 MA's), (96, 3096), (136, 3288), (173, 3408),

Gene: Margo_5 Start: 2764, Stop: 3441, Start Num: 28

Candidate Starts for Margo_5:

(Start: 28 @2764 has 386 MA's), (94, 2941), (99, 2977), (127, 3085), (195, 3364),

Gene: Marie_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Marie_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Marius_6 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Marius_6:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: MarysWell_4 Start: 3572, Stop: 4234, Start Num: 28

Candidate Starts for MarysWell_4:

(Start: 28 @3572 has 386 MA's), (44, 3608), (50, 3623), (Start: 56 @3638 has 2 MA's), (84, 3713), (114, 3842), (178, 4064),

Gene: Maselop_24 Start: 12653, Stop: 13330, Start Num: 28

Candidate Starts for Maselop_24:

(Start: 28 @12653 has 386 MA's), (57, 12731), (68, 12764), (75, 12788), (78, 12797), (89, 12848), (92, 12857), (122, 12983), (154, 13091), (208, 13307),

Gene: Maverick_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Maverick_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Maxo_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Maxo_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Mayonnaise_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Mayonnaise_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Mazhar510_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Mazhar510_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: McFly_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for McFly_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: McGonagall_17 Start: 12036, Stop: 12680, Start Num: 36

Candidate Starts for McGonagall_17:

(Start: 36 @12036 has 2 MA's), (96, 12207), (150, 12432), (171, 12507), (173, 12513), (176, 12525), (188, 12546), (199, 12612),

Gene: Medusa_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Medusa_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: MeeZee_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for MeeZee_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: MegTheThird_32 Start: 24063, Stop: 24701, Start Num: 28

Candidate Starts for MegTheThird_32:

(8, 23796), (Start: 28 @24063 has 386 MA's), (47, 24099), (94, 24240), (148, 24474), (207, 24681),

Gene: Melvin_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Melvin_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Methuselah_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for Methuselah_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: Micasa_5 Start: 3572, Stop: 4234, Start Num: 28

Candidate Starts for Micasa_5:

(Start: 28 @3572 has 386 MA's), (Start: 32 @3584 has 16 MA's), (44, 3608), (50, 3623), (Start: 56 @3638 has 2 MA's), (84, 3713), (114, 3842), (178, 4064),

Gene: Microwolf_5 Start: 2899, Stop: 3558, Start Num: 28

Candidate Starts for Microwolf_5:

(Start: 28 @2899 has 386 MA's), (96, 3082), (101, 3115), (117, 3184), (207, 3538),

Gene: Midas2_5 Start: 3571, Stop: 4233, Start Num: 28

Candidate Starts for Midas2_5:

(Start: 28 @3571 has 386 MA's), (Start: 32 @3583 has 16 MA's), (44, 3607), (50, 3622), (Start: 56 @3637 has 2 MA's), (84, 3712), (114, 3841), (178, 4063),

Gene: Miko_9 Start: 5364, Stop: 6041, Start Num: 28

Candidate Starts for Miko_9:

(Start: 28 @5364 has 386 MA's), (44, 5400), (95, 5544), (115, 5640), (153, 5778), (159, 5805),

Gene: Milcery_5 Start: 3602, Stop: 4264, Start Num: 28

Candidate Starts for Milcery_5:

(Start: 28 @3602 has 386 MA's), (Start: 32 @3614 has 16 MA's), (44, 3638), (50, 3653), (Start: 56 @3668 has 2 MA's), (84, 3743), (114, 3872), (178, 4094),

Gene: Millski_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Millski_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: MinecraftSteve_9 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for MinecraftSteve_9:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: Minispark_30 Start: 23978, Stop: 24619, Start Num: 28

Candidate Starts for Minispark_30:

(18, 23906), (Start: 28 @23978 has 386 MA's), (82, 24113), (94, 24161), (148, 24392), (207, 24599),

Gene: Miramae_5 Start: 2718, Stop: 3383, Start Num: 28

Candidate Starts for Miramae_5:

(Start: 28 @2718 has 386 MA's), (61, 2799), (112, 2985), (140, 3111),

Gene: Misomonster_7 Start: 2719, Stop: 3351, Start Num: 28
Candidate Starts for Misomonster_7:
(Start: 28 @2719 has 386 MA's), (96, 2902), (97, 2905), (99, 2932),

Gene: MissWhite_32 Start: 23704, Stop: 24357, Start Num: 28
Candidate Starts for MissWhite_32:
(Start: 28 @23704 has 386 MA's), (74, 23818), (94, 23887), (98, 23917), (99, 23923), (128, 24031),
(165, 24172), (188, 24244),

Gene: ModicumRichard_26 Start: 23920, Stop: 24630, Start Num: 22
Candidate Starts for ModicumRichard_26:
(4, 23503), (11, 23758), (Start: 22 @23920 has 11 MA's), (Start: 27 @23935 has 1 MA's), (Start: 32 @23950 has 16 MA's), (108, 24202), (159, 24394),

Gene: MoneyMay_5 Start: 2629, Stop: 3264, Start Num: 28
Candidate Starts for MoneyMay_5:
(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Montavir_4 Start: 2629, Stop: 3264, Start Num: 28
Candidate Starts for Montavir_4:
(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Morpher26_5 Start: 2733, Stop: 3395, Start Num: 28
Candidate Starts for Morpher26_5:
(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Morrow_5 Start: 2722, Stop: 3384, Start Num: 28
Candidate Starts for Morrow_5:
(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: MossRose_39 Start: 33926, Stop: 34573, Start Num: 25
Candidate Starts for MossRose_39:
(Start: 25 @33926 has 8 MA's), (51, 33983), (62, 34013), (64, 34016), (74, 34034), (117, 34208), (127, 34244), (153, 34340), (209, 34556),

Gene: MuchMore_7 Start: 2890, Stop: 3549, Start Num: 28
Candidate Starts for MuchMore_7:
(Start: 28 @2890 has 386 MA's), (96, 3073), (100, 3103), (101, 3106), (117, 3175), (207, 3529),

Gene: Mulciber_8 Start: 5413, Stop: 6075, Start Num: 28
Candidate Starts for Mulciber_8:
(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (178, 5905), (188, 5950),

Gene: Munch_8 Start: 5410, Stop: 6072, Start Num: 28
Candidate Starts for Munch_8:
(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902),

Gene: Mundrea_5 Start: 2713, Stop: 3378, Start Num: 28
Candidate Starts for Mundrea_5:
(Start: 28 @2713 has 386 MA's), (61, 2794), (64, 2800), (94, 2890), (112, 2980), (140, 3106),

Gene: MyraDee_5 Start: 2390, Stop: 3028, Start Num: 27

Candidate Starts for MyraDee_5:

(Start: 27 @2390 has 1 MA's), (62, 2477), (66, 2486), (114, 2666),

Gene: Myxus_8 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for Myxus_8:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: NHagos_37 Start: 32544, Stop: 33191, Start Num: 26

Candidate Starts for NHagos_37:

(Start: 26 @32544 has 13 MA's), (51, 32601), (62, 32631), (64, 32634), (74, 32652), (95, 32718), (112, 32808), (126, 32859), (176, 33036), (209, 33174),

Gene: Naji_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for Naji_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: NearlyHeadless_5 Start: 3362, Stop: 4021, Start Num: 26

Candidate Starts for NearlyHeadless_5:

(Start: 26 @3362 has 13 MA's), (52, 3419), (Start: 56 @3428 has 2 MA's), (71, 3461),

Gene: Nebs_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Nebs_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (159, 3169), (208, 3367),

Gene: Nebulosus_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for Nebulosus_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: Neeharika16_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Neeharika16_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Nemo27_5 Start: 2721, Stop: 3383, Start Num: 28

Candidate Starts for Nemo27_5:

(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: Newrala_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Newrala_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: NicoleTera_8 Start: 5250, Stop: 5927, Start Num: 28

Candidate Starts for NicoleTera_8:

(Start: 28 @5250 has 386 MA's), (40, 5280), (59, 5322), (94, 5427), (110, 5508), (127, 5568), (186, 5799),

Gene: NoPickles_26 Start: 18394, Stop: 19041, Start Num: 28

Candidate Starts for NoPickles_26:

(Start: 28 @18394 has 386 MA's), (Start: 56 @18457 has 2 MA's), (104, 18607), (133, 18745), (167, 18853), (191, 18919),

Gene: Noella_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Noella_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Noelle_5 Start: 2787, Stop: 3449, Start Num: 28

Candidate Starts for Noelle_5:

(Start: 28 @2787 has 386 MA's), (73, 2892), (152, 3204), (153, 3207), (208, 3432),

Gene: Norbert_4 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Norbert_4:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: NorthStar_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for NorthStar_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: NotAPhaseMom_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for NotAPhaseMom_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: NothingSpecial_7 Start: 5206, Stop: 5850, Start Num: 28

Candidate Starts for NothingSpecial_7:

(Start: 28 @5206 has 386 MA's), (37, 5230), (58, 5278), (101, 5422), (163, 5650),

Gene: Nyxis_5 Start: 2725, Stop: 3387, Start Num: 28

Candidate Starts for Nyxis_5:

(Start: 28 @2725 has 386 MA's), (73, 2830), (153, 3145), (208, 3370),

Gene: OKCentral2016_5 Start: 2376, Stop: 3164, Start Num: 28

Candidate Starts for OKCentral2016_5:

(Start: 28 @2376 has 386 MA's), (64, 2463), (94, 2553), (123, 2685), (130, 2826), (133, 2877), (134, 2880), (143, 2916), (208, 3150),

Gene: OKaNui_5 Start: 2487, Stop: 3149, Start Num: 28

Candidate Starts for OKaNui_5:

(Start: 28 @2487 has 386 MA's), (73, 2592), (152, 2904), (153, 2907), (208, 3132),

Gene: ObLaDi_26 Start: 23899, Stop: 24609, Start Num: 22

Candidate Starts for ObLaDi_26:

(4, 23482), (11, 23737), (Start: 22 @23899 has 11 MA's), (Start: 27 @23914 has 1 MA's), (Start: 32 @23929 has 16 MA's), (108, 24181), (159, 24373),

Gene: Obama12_5 Start: 2724, Stop: 3389, Start Num: 28

Candidate Starts for Obama12_5:

(Start: 28 @2724 has 386 MA's), (94, 2901), (112, 2991), (140, 3117),

Gene: Octobien14_34 Start: 28125, Stop: 28844, Start Num: 22

Candidate Starts for Octobien14_34:

(Start: 22 @28125 has 11 MA's), (49, 28179), (54, 28200), (85, 28305), (94, 28338), (96, 28344), (109, 28419), (137, 28548), (156, 28587), (176, 28677), (199, 28776), (207, 28818),

Gene: Ohfah_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Ohfah_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: OlanP_5 Start: 3068, Stop: 3718, Start Num: 28

Candidate Starts for OlanP_5:

(Start: 28 @3068 has 386 MA's), (74, 3176), (96, 3251), (136, 3443),

Gene: Ollie_5 Start: 2809, Stop: 3468, Start Num: 28

Candidate Starts for Ollie_5:

(Start: 28 @2809 has 386 MA's), (64, 2896), (82, 2938), (96, 2992), (112, 3076), (117, 3094),

Gene: Onglai_7 Start: 3560, Stop: 4231, Start Num: 28

Candidate Starts for Onglai_7:

(Start: 28 @3560 has 386 MA's), (94, 3734), (99, 3770), (153, 3983), (195, 4154),

Gene: Oofda_8 Start: 4406, Stop: 5080, Start Num: 39

Candidate Starts for Oofda_8:

(Start: 39 @4406 has 13 MA's), (69, 4487), (80, 4523), (111, 4670), (126, 4718),

Gene: Orange_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Orange_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902), (188, 5947),

Gene: P28Green_5 Start: 2630, Stop: 3265, Start Num: 28

Candidate Starts for P28Green_5:

(Start: 28 @2630 has 386 MA's), (99, 2843),

Gene: PGHhamlin_7 Start: 2890, Stop: 3549, Start Num: 28

Candidate Starts for PGHhamlin_7:

(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3529),

Gene: PackMan_8 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for PackMan_8:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: PainterBoy_8 Start: 4875, Stop: 5543, Start Num: 23

Candidate Starts for PainterBoy_8:

(Start: 23 @4875 has 3 MA's), (53, 4932), (66, 4968), (119, 5169), (178, 5391),

Gene: Palestino_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Palestino_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Panamaxus_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Panamaxus_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Pawn_5 Start: 2888, Stop: 3538, Start Num: 28

Candidate Starts for Pawn_5:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (136, 3263),

Gene: Peaches_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Peaches_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Pembroke_5 Start: 2890, Stop: 3558, Start Num: 28

Candidate Starts for Pembroke_5:

(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3538),

Gene: Penny1_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Penny1_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Perkunas_28 Start: 19169, Stop: 19819, Start Num: 28

Candidate Starts for Perkunas_28:

(Start: 28 @19169 has 386 MA's), (62, 19253), (142, 19556), (148, 19571), (203, 19766), (209, 19802),

Gene: Perplexer_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Perplexer_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: PeterPeter_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for PeterPeter_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Petersenfast_7 Start: 5413, Stop: 6075, Start Num: 28

Candidate Starts for Petersenfast_7:

(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (109, 5665), (178, 5905), (188, 5950),

Gene: PetiteSangsue_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for PetiteSangsue_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Petito_27 Start: 18884, Stop: 19531, Start Num: 28

Candidate Starts for Petito_27:

(Start: 28 @18884 has 386 MA's), (Start: 32 @18896 has 16 MA's), (54, 18941), (75, 18989), (126, 19193), (180, 19376), (210, 19517),

Gene: PetterN_5 Start: 3407, Stop: 4048, Start Num: 28

Candidate Starts for PetterN_5:

(Start: 28 @3407 has 386 MA's), (44, 3443), (53, 3464), (62, 3491), (102, 3623), (121, 3704), (126, 3719), (207, 4025),

Gene: Ph8s_33 Start: 23091, Stop: 23747, Start Num: 29

Candidate Starts for Ph8s_33:

(7, 22788), (Start: 29 @23091 has 24 MA's), (Start: 34 @23106 has 6 MA's), (62, 23181), (74, 23205), (82, 23226), (94, 23274), (96, 23280), (99, 23310), (111, 23361), (119, 23394), (128, 23421), (131, 23454), (153, 23520), (160, 23550), (166, 23568),

Gene: Phacado_5 Start: 2721, Stop: 3383, Start Num: 28

Candidate Starts for Phacado_5:

(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: Phaded_8 Start: 5071, Stop: 5733, Start Num: 28

Candidate Starts for Phaded_8:

(Start: 28 @5071 has 386 MA's), (61, 5152), (112, 5338), (140, 5464), (208, 5716),

Gene: Phaeder_8 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for Phaeder_8:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: Phantastic_5 Start: 2835, Stop: 3479, Start Num: 28

Candidate Starts for Phantastic_5:

(Start: 28 @2835 has 386 MA's), (50, 2886), (62, 2919), (96, 3018), (128, 3159), (172, 3324),

Gene: Phayeta_34 Start: 32624, Stop: 33289, Start Num: 28

Candidate Starts for Phayeta_34:

(Start: 28 @32624 has 386 MA's), (Start: 32 @32636 has 16 MA's), (44, 32660), (59, 32708), (60, 32714), (62, 32720), (65, 32726), (74, 32750), (96, 32825), (99, 32855), (114, 32915), (117, 32927), (121, 32945), (144, 33044), (145, 33047), (177, 33152), (181, 33158), (188, 33176), (206, 33263),

Gene: Phelipe_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Phelipe_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Phighter1804_5 Start: 2721, Stop: 3386, Start Num: 28

Candidate Starts for Phighter1804_5:

(Start: 28 @2721 has 386 MA's), (61, 2802), (64, 2808), (112, 2988), (140, 3114),

Gene: Phillis_5 Start: 3347, Stop: 4006, Start Num: 26

Candidate Starts for Phillis_5:

(Start: 26 @3347 has 13 MA's), (52, 3404), (71, 3446), (176, 3863),

Gene: PhishRPhriends_5 Start: 2400, Stop: 3035, Start Num: 28

Candidate Starts for PhishRPhriends_5:

(Start: 28 @2400 has 386 MA's), (90, 2565), (92, 2571), (99, 2613), (117, 2685), (122, 2706), (153, 2808),

Gene: Phlei_5 Start: 5021, Stop: 5680, Start Num: 30

Candidate Starts for Phlei_5:

(30, 5021),

Gene: Phlorence_5 Start: 3728, Stop: 4375, Start Num: 34

Candidate Starts for Phlorence_5:

(Start: 28 @3710 has 386 MA's), (Start: 34 @3728 has 6 MA's), (Start: 56 @3776 has 2 MA's), (64, 3797), (96, 3893),

Gene: Phoebe_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Phoebe_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Phonnegut_8 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for Phonnegut_8:

(Start: 28 @5227 has 386 MA's), (94, 5401), (99, 5437), (153, 5650), (195, 5821),

Gene: Phontbonne_5 Start: 2720, Stop: 3382, Start Num: 28

Candidate Starts for Phontbonne_5:

(Start: 28 @2720 has 386 MA's), (73, 2825), (153, 3140), (208, 3365),

Gene: Phoxy_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for Phoxy_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: Phranny_6 Start: 2888, Stop: 3535, Start Num: 28

Candidate Starts for Phranny_6:

(Start: 28 @2888 has 386 MA's), (74, 2996), (96, 3071), (101, 3104),

Gene: PickleBack_5 Start: 3447, Stop: 4088, Start Num: 28

Candidate Starts for PickleBack_5:

(Start: 28 @3447 has 386 MA's), (74, 3555), (92, 3615), (102, 3663), (106, 3669), (112, 3708), (124, 3753), (126, 3759),

Gene: Pioneer_8 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for Pioneer_8:

(Start: 28 @5227 has 386 MA's), (94, 5401), (99, 5437), (153, 5650), (195, 5821),

Gene: Pipcraft_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Pipcraft_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Pistachio_5 Start: 2377, Stop: 3027, Start Num: 28

Candidate Starts for Pistachio_5:

(Start: 28 @2377 has 386 MA's), (112, 2644), (207, 3007),

Gene: Pmask_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Pmask_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Pocahontas_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Pocahontas_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Polymorphads_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Polymorphads_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Polyphemus_8 Start: 4663, Stop: 5361, Start Num: 21

Candidate Starts for Polyphemus_8:

(Start: 21 @4663 has 48 MA's), (168, 5167), (210, 5353),

Gene: Polyyuki_24 Start: 12645, Stop: 13322, Start Num: 28

Candidate Starts for Polyyuki_24:

(Start: 28 @12645 has 386 MA's), (57, 12723), (68, 12756), (75, 12780), (78, 12789), (89, 12840), (92, 12849), (122, 12975), (154, 13083), (208, 13299),

Gene: Pomar16_35 Start: 24453, Stop: 25124, Start Num: 29

Candidate Starts for Pomar16_35:

(Start: 29 @24453 has 24 MA's), (64, 24543), (74, 24564), (94, 24633), (99, 24669), (110, 24717), (172, 24957), (173, 24960), (198, 25059), (202, 25074),

Gene: Popcicle_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Popcicle_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: PotatoSplit_6 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for PotatoSplit_6:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Priamo_8 Start: 4676, Stop: 5344, Start Num: 21

Candidate Starts for Priamo_8:

(Start: 21 @4676 has 48 MA's), (146, 5087), (168, 5150), (210, 5336),

Gene: Prinash11_5 Start: 3571, Stop: 4233, Start Num: 28

Candidate Starts for Prinash11_5:

(Start: 28 @3571 has 386 MA's), (Start: 32 @3583 has 16 MA's), (44, 3607), (50, 3622), (Start: 56 @3637 has 2 MA's), (84, 3712), (114, 3841), (178, 4063),

Gene: Priya_8 Start: 5225, Stop: 5896, Start Num: 28

Candidate Starts for Priya_8:

(Start: 28 @5225 has 386 MA's), (99, 5435), (117, 5507), (153, 5648), (182, 5741), (195, 5819), (207, 5873),

Gene: Prudy_7 Start: 5267, Stop: 5929, Start Num: 28

Candidate Starts for Prudy_7:

(Start: 28 @5267 has 386 MA's), (61, 5348), (73, 5372), (110, 5522), (211, 5924),

Gene: Pukovnik_8 Start: 5014, Stop: 5685, Start Num: 28

Candidate Starts for Pukovnik_8:

(Start: 28 @5014 has 386 MA's), (94, 5188), (99, 5224), (128, 5335), (172, 5515),

Gene: Pumbaa_5 Start: 2720, Stop: 3385, Start Num: 28

Candidate Starts for Pumbaa_5:

(Start: 28 @2720 has 386 MA's), (61, 2801), (64, 2807), (112, 2987), (140, 3113),

Gene: Puppy_5 Start: 2449, Stop: 3099, Start Num: 28

Candidate Starts for Puppy_5:

(Start: 28 @2449 has 386 MA's), (96, 2632), (112, 2716),

Gene: PurpleHaze_5 Start: 2887, Stop: 3537, Start Num: 28

Candidate Starts for PurpleHaze_5:

(Start: 28 @2887 has 386 MA's), (74, 2995), (96, 3070), (136, 3262),

Gene: Qobbit_8 Start: 5224, Stop: 5895, Start Num: 28

Candidate Starts for Qobbit_8:

(Start: 28 @5224 has 386 MA's), (94, 5398), (99, 5434), (153, 5647), (195, 5818), (207, 5872),

Gene: QuinnKiro_4 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for QuinnKiro_4:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Rachaly_9 Start: 5384, Stop: 6061, Start Num: 28

Candidate Starts for Rachaly_9:

(Start: 28 @5384 has 386 MA's), (44, 5420), (95, 5564), (115, 5660), (128, 5708), (153, 5798), (159, 5825),

Gene: Rahalelujah_31 Start: 23978, Stop: 24619, Start Num: 28

Candidate Starts for Rahalelujah_31:

(18, 23906), (Start: 28 @23978 has 386 MA's), (82, 24113), (94, 24161), (148, 24392), (207, 24599),

Gene: Ravana_8 Start: 4403, Stop: 5077, Start Num: 39

Candidate Starts for Ravana_8:

(Start: 39 @4403 has 13 MA's), (69, 4484), (80, 4520), (111, 4667), (126, 4715),

Gene: ReMo_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for ReMo_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: Reba_6 Start: 2561, Stop: 3208, Start Num: 28

Candidate Starts for Reba_6:

(Start: 28 @2561 has 386 MA's), (74, 2669), (96, 2744), (101, 2777),

Gene: Rebeuca_6 Start: 3002, Stop: 3649, Start Num: 28

Candidate Starts for Rebeuca_6:

(Start: 28 @3002 has 386 MA's), (74, 3110), (94, 3179), (112, 3269), (133, 3362),

Gene: RedRock_8 Start: 5246, Stop: 5983, Start Num: 28

Candidate Starts for RedRock_8:

(Start: 28 @5246 has 386 MA's), (127, 5567), (162, 5717), (179, 5780),

Gene: Relief_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Relief_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (127, 3044), (152, 3140), (153, 3143), (208, 3368),

Gene: Remus_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for Remus_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: ResDef_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for ResDef_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: RhynO_5 Start: 2841, Stop: 3488, Start Num: 28

Candidate Starts for RhynO_5:

(Start: 28 @2841 has 386 MA's), (37, 2865), (64, 2928), (94, 3018), (112, 3108), (133, 3201),

Gene: Rifter_8 Start: 4654, Stop: 5352, Start Num: 21

Candidate Starts for Rifter_8:

(Start: 21 @4654 has 48 MA's), (91, 4855), (168, 5158), (210, 5344),

Gene: Roary_5 Start: 3347, Stop: 4006, Start Num: 26

Candidate Starts for Roary_5:

(Start: 26 @3347 has 13 MA's), (52, 3404), (71, 3446), (176, 3863),

Gene: RockieBear_4 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for RockieBear_4:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Rockstar_5 Start: 2748, Stop: 3383, Start Num: 28

Candidate Starts for Rockstar_5:

(Start: 28 @2748 has 386 MA's), (96, 2931), (99, 2961), (118, 3039), (128, 3072),

Gene: Roimos_5 Start: 2825, Stop: 3475, Start Num: 28

Candidate Starts for Roimos_5:

(Start: 28 @2825 has 386 MA's), (94, 3002), (112, 3092), (133, 3188),

Gene: Roksolana_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Roksolana_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Romney_5 Start: 2721, Stop: 3383, Start Num: 28

Candidate Starts for Romney_5:

(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: Roosevelt_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Roosevelt_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Rosa24_4 Start: 2720, Stop: 3385, Start Num: 28

Candidate Starts for Rosa24_4:

(Start: 28 @2720 has 386 MA's), (94, 2897), (112, 2987), (140, 3113),

Gene: Rosalind_8 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for Rosalind_8:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: Rowdy_6 Start: 2752, Stop: 3399, Start Num: 28

Candidate Starts for Rowdy_6:

(Start: 28 @2752 has 386 MA's), (37, 2776), (64, 2839), (94, 2929), (112, 3019), (133, 3112),

Gene: Ruin_5 Start: 2721, Stop: 3383, Start Num: 28

Candidate Starts for Ruin_5:

(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: Rummer_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for Rummer_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: RyeScarlet_9 Start: 5230, Stop: 5901, Start Num: 28

Candidate Starts for RyeScarlet_9:

(Start: 28 @5230 has 386 MA's), (94, 5404), (99, 5440), (153, 5653), (195, 5824),

Gene: Sabertooth_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Sabertooth_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Sabinator_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Sabinator_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Sachima_6 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for Sachima_6:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: Saintus_5 Start: 3362, Stop: 4021, Start Num: 26

Candidate Starts for Saintus_5:

(Start: 26 @3362 has 13 MA's), (52, 3419), (Start: 56 @3428 has 2 MA's), (71, 3461), (176, 3878),

Gene: Salz_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Salz_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (178, 5902), (188, 5947),

Gene: Saskia_7 Start: 5413, Stop: 6075, Start Num: 28

Candidate Starts for Saskia_7:

(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (109, 5665), (178, 5905), (188, 5950),

Gene: SaturnRing_4 Start: 2830, Stop: 3480, Start Num: 28

Candidate Starts for SaturnRing_4:

(Start: 28 @2830 has 386 MA's), (112, 3097), (207, 3460),

Gene: Scamp_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Scamp_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Scherzo_8 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for Scherzo_8:

(Start: 28 @5227 has 386 MA's), (94, 5401), (99, 5437), (153, 5650), (195, 5821),

Gene: ScoobyDoobyDoo_130 Start: 79579, Stop: 80151, Start Num: 56

Candidate Starts for ScoobyDoobyDoo_130:

(16, 79357), (Start: 20 @79477 has 1 MA's), (Start: 56 @79579 has 2 MA's), (94, 79696), (95, 79699), (99, 79732), (115, 79795), (177, 80008), (205, 80110),

Gene: Scorpia_5 Start: 3408, Stop: 4049, Start Num: 28

Candidate Starts for Scorpia_5:

(Start: 28 @3408 has 386 MA's), (44, 3444), (53, 3465), (62, 3492), (102, 3624), (121, 3705), (126, 3720), (207, 4026),

Gene: Scout_5 Start: 2346, Stop: 2987, Start Num: 32

Candidate Starts for Scout_5:

(Start: 32 @2346 has 16 MA's), (62, 2430), (81, 2472), (147, 2748), (153, 2760),

Gene: SenorClean_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for SenorClean_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Sephiroth_33 Start: 27616, Stop: 28326, Start Num: 22

Candidate Starts for Sephiroth_33:

(Start: 22 @27616 has 11 MA's), (94, 27820), (96, 27826), (109, 27901), (124, 27949), (125, 27952), (126, 27955), (137, 28030), (176, 28159), (199, 28258), (207, 28300),

Gene: Shaka_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Shaka_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Sham4_8 Start: 5413, Stop: 6075, Start Num: 28

Candidate Starts for Sham4_8:

(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (109, 5665), (178, 5905), (188, 5950),

Gene: Shapes_6 Start: 2752, Stop: 3399, Start Num: 28

Candidate Starts for Shapes_6:

(Start: 28 @2752 has 386 MA's), (37, 2776), (64, 2839), (94, 2929), (112, 3019), (133, 3112),

Gene: ShayRa_9 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for ShayRa_9:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: SheaKeira_32 Start: 24009, Stop: 24662, Start Num: 28

Candidate Starts for SheaKeira_32:

(Start: 28 @24009 has 386 MA's), (70, 24114), (74, 24126), (94, 24195), (96, 24201), (97, 24204), (101, 24234), (117, 24303), (128, 24342),

Gene: SheldonCooper_5 Start: 2723, Stop: 3388, Start Num: 28

Candidate Starts for SheldonCooper_5:

(Start: 28 @2723 has 386 MA's), (94, 2900), (112, 2990), (140, 3116),

Gene: Shygu2_5 Start: 2724, Stop: 3389, Start Num: 28

Candidate Starts for Shygu2_5:

(Start: 28 @2724 has 386 MA's), (94, 2901), (112, 2991), (140, 3117), (208, 3372),

Gene: Skipitt_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Skipitt_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (159, 3169), (208, 3367),

Gene: Smeadley_5 Start: 3347, Stop: 4006, Start Num: 26

Candidate Starts for Smeadley_5:

(Start: 26 @3347 has 13 MA's), (52, 3404), (71, 3446), (150, 3764), (176, 3863),

Gene: SmellyB_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for SmellyB_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Snape_8 Start: 5416, Stop: 6078, Start Num: 28

Candidate Starts for Snape_8:

(Start: 28 @5416 has 386 MA's), (Start: 56 @5482 has 2 MA's), (84, 5557), (178, 5908), (188, 5953),

Gene: Snickers_5 Start: 2872, Stop: 3531, Start Num: 28

Candidate Starts for Snickers_5:

(Start: 28 @2872 has 386 MA's), (82, 3001), (96, 3055), (101, 3088), (117, 3157), (207, 3511),

Gene: SoilDragon_5 Start: 2572, Stop: 3231, Start Num: 28

Candidate Starts for SoilDragon_5:

(Start: 28 @2572 has 386 MA's), (64, 2659), (82, 2701), (96, 2755), (103, 2794), (112, 2839),

Gene: Soshari_7 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for Soshari_7:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: Soups_8 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for Soups_8:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: Sparxx_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Sparxx_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: SpeedDemon_430 Start: 40514, Stop: 41227, Start Num: 22

Candidate Starts for SpeedDemon_430:

(13, 40364), (Start: 22 @40514 has 11 MA's), (Start: 27 @40529 has 1 MA's), (Start: 32 @40544 has 16 MA's), (43, 40565), (72, 40652), (86, 40709), (118, 40844), (120, 40853), (128, 40874), (137, 40943), (175, 41057),

Gene: Spike509_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for Spike509_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: Spino_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for Spino_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142),

Gene: Stagni_5 Start: 2891, Stop: 3559, Start Num: 28

Candidate Starts for Stagni_5:

(Start: 28 @2891 has 386 MA's), (82, 3020), (96, 3074), (101, 3107), (117, 3176), (207, 3539),

Gene: StarStuff_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for StarStuff_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: Stasia_5 Start: 2745, Stop: 3407, Start Num: 28

Candidate Starts for Stasia_5:

(Start: 28 @2745 has 386 MA's), (61, 2826), (73, 2850),

Gene: SteMason_4 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for SteMason_4:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: SteamedHams_30 Start: 22667, Stop: 23359, Start Num: 28

Candidate Starts for SteamedHams_30:

(Start: 28 @22667 has 386 MA's), (53, 22724), (Start: 56 @22733 has 2 MA's), (64, 22754), (88, 22829), (172, 23171),

Gene: Steamy_8 Start: 5295, Stop: 5924, Start Num: 28

Candidate Starts for Steamy_8:

(Start: 28 @5295 has 386 MA's), (59, 5367), (61, 5376), (82, 5424), (97, 5481),

Gene: Stephig9_5 Start: 3348, Stop: 4007, Start Num: 26

Candidate Starts for Stephig9_5:

(Start: 26 @3348 has 13 MA's), (52, 3405), (71, 3447), (176, 3864),

Gene: Stink_5 Start: 2719, Stop: 3384, Start Num: 28

Candidate Starts for Stink_5:

(Start: 28 @2719 has 386 MA's), (61, 2800), (112, 2986), (140, 3112),

Gene: Strosahl_8 Start: 4403, Stop: 5071, Start Num: 31

Candidate Starts for Strosahl_8:

(Start: 31 @4403 has 9 MA's), (108, 4643), (124, 4709), (159, 4835),

Gene: Sultana_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Sultana_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Sunhee_32 Start: 23957, Stop: 24625, Start Num: 28

Candidate Starts for Sunhee_32:

(6, 23567), (Start: 28 @23957 has 386 MA's), (94, 24140), (99, 24176), (119, 24260), (134, 24329), (148, 24383),

Gene: SuperAwesome_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for SuperAwesome_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: SuperCallie99_8 Start: 4662, Stop: 5360, Start Num: 21

Candidate Starts for SuperCallie99_8:

(Start: 21 @4662 has 48 MA's), (168, 5166), (210, 5352),

Gene: Superchunk_31 Start: 22947, Stop: 23612, Start Num: 28

Candidate Starts for Superchunk_31:

(Start: 28 @22947 has 386 MA's), (Start: 29 @22950 has 24 MA's), (74, 23061), (94, 23130), (96, 23136), (99, 23166), (119, 23250), (152, 23373), (172, 23445), (202, 23562),

Gene: SweetCrkHerbs_28 Start: 18842, Stop: 19492, Start Num: 28

Candidate Starts for SweetCrkHerbs_28:

(Start: 28 @18842 has 386 MA's), (62, 18926), (142, 19229), (148, 19244), (203, 19439), (209, 19475),

Gene: SwirlSquare_33 Start: 23197, Stop: 23850, Start Num: 29

Candidate Starts for SwirlSquare_33:

(Start: 29 @23197 has 24 MA's), (55, 23260), (57, 23266), (74, 23308), (94, 23377), (99, 23413), (119, 23497), (160, 23653), (166, 23671),

Gene: Swirley_5 Start: 3571, Stop: 4233, Start Num: 28

Candidate Starts for Swirley_5:

(Start: 28 @3571 has 386 MA's), (Start: 32 @3583 has 16 MA's), (44, 3607), (50, 3622), (Start: 56 @3637 has 2 MA's), (84, 3712), (114, 3841), (178, 4063),

Gene: Switzerland_8 Start: 4550, Stop: 5224, Start Num: 39

Candidate Starts for Switzerland_8:

(Start: 39 @4550 has 13 MA's), (69, 4631), (80, 4667), (111, 4814), (126, 4862),

Gene: SydNat_5 Start: 3697, Stop: 4344, Start Num: 34

Candidate Starts for SydNat_5:

(Start: 28 @3679 has 386 MA's), (Start: 34 @3697 has 6 MA's), (Start: 56 @3745 has 2 MA's), (64, 3766), (96, 3862), (200, 4291),

Gene: Syleon_33 Start: 27538, Stop: 28248, Start Num: 22

Candidate Starts for Syleon_33:

(Start: 22 @27538 has 11 MA's), (94, 27742), (96, 27748), (109, 27823), (124, 27871), (125, 27874), (126, 27877), (137, 27952), (176, 28081), (199, 28180), (207, 28222),

Gene: TNguyen7_5 Start: 2828, Stop: 3478, Start Num: 28

Candidate Starts for TNguyen7_5:

(Start: 28 @2828 has 386 MA's), (94, 3005), (112, 3095), (133, 3191),

Gene: TPA2_47 Start: 36929, Stop: 37582, Start Num: 37

Candidate Starts for TPA2_47:

(37, 36929), (51, 36965), (Start: 56 @36977 has 2 MA's), (61, 36995), (76, 37040), (92, 37100), (93, 37103), (116, 37205), (204, 37535),

Gene: Tairn4Wing_28 Start: 18667, Stop: 19314, Start Num: 28

Candidate Starts for Tairn4Wing_28:

(Start: 28 @18667 has 386 MA's), (Start: 56 @18730 has 2 MA's), (104, 18880), (133, 19018), (167, 19126), (191, 19192),

Gene: Talon44_27 Start: 18842, Stop: 19492, Start Num: 28

Candidate Starts for Talon44_27:

(Start: 28 @18842 has 386 MA's), (62, 18926), (142, 19229), (148, 19244), (203, 19439), (209, 19475),

Gene: Taquarus_5 Start: 2725, Stop: 3387, Start Num: 28

Candidate Starts for Taquarus_5:

(Start: 28 @2725 has 386 MA's), (73, 2830), (152, 3142), (153, 3145), (208, 3370),

Gene: Tarynearal_4 Start: 3600, Stop: 4262, Start Num: 28

Candidate Starts for Tarynearal_4:

(Start: 28 @3600 has 386 MA's), (Start: 32 @3612 has 16 MA's), (44, 3636), (50, 3651), (Start: 56 @3666 has 2 MA's), (84, 3741), (114, 3870), (178, 4092),

Gene: Taurus_5 Start: 2629, Stop: 3264, Start Num: 28

Candidate Starts for Taurus_5:

(Start: 28 @2629 has 386 MA's), (99, 2842),

Gene: Temprado_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Temprado_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Texage_4 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Texage_4:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Thanksgivukkah_5 Start: 2723, Stop: 3385, Start Num: 28

Candidate Starts for Thanksgivukkah_5:

(Start: 28 @2723 has 386 MA's), (73, 2828), (152, 3140), (153, 3143), (208, 3368),

Gene: Theia_4 Start: 3572, Stop: 4234, Start Num: 28

Candidate Starts for Theia_4:

(Start: 28 @3572 has 386 MA's), (44, 3608), (50, 3623), (Start: 56 @3638 has 2 MA's), (84, 3713), (178, 4064),

Gene: Tiffany_5 Start: 2900, Stop: 3451, Start Num: 28

Candidate Starts for Tiffany_5:

(Start: 28 @2900 has 386 MA's), (82, 3029), (96, 3083), (101, 3116), (117, 3185), (207, 3431),

Gene: Tiger_5 Start: 3446, Stop: 4087, Start Num: 28

Candidate Starts for Tiger_5:

(Start: 28 @3446 has 386 MA's), (74, 3554), (92, 3614), (102, 3662), (106, 3668), (112, 3707), (124, 3752), (126, 3758),

Gene: Timothy_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for Timothy_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902),

Gene: TinaFeyge_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for TinaFeyge_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: TinaLin_3 Start: 665, Stop: 1360, Start Num: 24

Candidate Starts for TinaLin_3:

(10, 434), (15, 515), (17, 590), (Start: 24 @665 has 2 MA's), (Start: 28 @677 has 386 MA's), (Start: 39 @704 has 13 MA's), (59, 755), (79, 812), (89, 857), (92, 866), (119, 986), (124, 998), (128, 1010), (175, 1193),

Gene: TinyPebbles_5 Start: 2720, Stop: 3352, Start Num: 28

Candidate Starts for TinyPebbles_5:

(Start: 28 @2720 has 386 MA's), (96, 2903), (97, 2906), (99, 2933),

Gene: TinyTimmy_8 Start: 5410, Stop: 6072, Start Num: 28

Candidate Starts for TinyTimmy_8:

(Start: 28 @5410 has 386 MA's), (Start: 56 @5476 has 2 MA's), (84, 5551), (109, 5662), (178, 5902), (188, 5947),

Gene: Tinybot_4 Start: 2725, Stop: 3390, Start Num: 28

Candidate Starts for Tinybot_4:

(Start: 28 @2725 has 386 MA's), (94, 2902), (112, 2992), (140, 3118),

Gene: TipsytheTRex_31 Start: 23713, Stop: 24366, Start Num: 29

Candidate Starts for TipsytheTRex_31:

(Start: 28 @23710 has 386 MA's), (Start: 29 @23713 has 24 MA's), (51, 23767), (94, 23893), (99, 23929), (153, 24139), (160, 24169), (164, 24178), (166, 24187), (202, 24316),

Gene: TiroTheta9_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for TiroTheta9_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (159, 3169), (208, 3367),

Gene: Toaka_31 Start: 24361, Stop: 25002, Start Num: 28

Candidate Starts for Toaka_31:

(Start: 28 @24361 has 386 MA's), (64, 24454), (74, 24475), (94, 24544), (112, 24634), (128, 24691), (144, 24763), (148, 24775), (172, 24853),

Gene: Todacoro_5 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Todacoro_5:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Tomathan_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for Tomathan_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: ToneTone_7 Start: 4571, Stop: 5269, Start Num: 21

Candidate Starts for ToneTone_7:

(Start: 21 @4571 has 48 MA's), (168, 5075), (210, 5261),

Gene: Topanga_5 Start: 2891, Stop: 3580, Start Num: 28

Candidate Starts for Topanga_5:

(Start: 28 @2891 has 386 MA's), (64, 2975), (83, 3035), (106, 3128), (114, 3173), (126, 3218), (182, 3431),

Gene: TraderJ_39 Start: 33929, Stop: 34591, Start Num: 25

Candidate Starts for TraderJ_39:

(Start: 25 @33929 has 8 MA's), (51, 33986), (62, 34016), (64, 34019), (74, 34037), (112, 34193), (127, 34247), (148, 34334), (155, 34349), (161, 34379), (176, 34436), (183, 34448), (209, 34574),

Gene: Travvers_35 Start: 24412, Stop: 25083, Start Num: 29

Candidate Starts for Travvers_35:

(Start: 29 @24412 has 24 MA's), (64, 24502), (74, 24523), (94, 24592), (99, 24628), (110, 24676), (172, 24916), (173, 24919), (198, 25018), (202, 25033),

Gene: Tristan_8 Start: 5078, Stop: 5740, Start Num: 28

Candidate Starts for Tristan_8:

(Start: 28 @5078 has 386 MA's), (61, 5159),

Gene: Trixie_8 Start: 5232, Stop: 5918, Start Num: 28

Candidate Starts for Trixie_8:

(Start: 28 @5232 has 386 MA's), (64, 5319), (76, 5346), (94, 5403), (104, 5448), (129, 5556), (173, 5727), (182, 5748), (197, 5847),

Gene: TroyPia_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for TroyPia_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Trufflozitus_26 Start: 18668, Stop: 19315, Start Num: 28

Candidate Starts for Trufflozitus_26:

(Start: 28 @18668 has 386 MA's), (Start: 56 @18731 has 2 MA's), (104, 18881), (133, 19019), (167, 19127), (191, 19193), (207, 19289),

Gene: Tubs_8 Start: 5239, Stop: 5868, Start Num: 28

Candidate Starts for Tubs_8:

(Start: 28 @5239 has 386 MA's), (46, 5278), (96, 5419), (99, 5449), (106, 5464),

Gene: Tucker_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Tucker_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Twigg_5 Start: 3571, Stop: 4233, Start Num: 28

Candidate Starts for Twigg_5:

(Start: 28 @3571 has 386 MA's), (Start: 32 @3583 has 16 MA's), (44, 3607), (50, 3622), (Start: 56 @3637 has 2 MA's), (84, 3712), (114, 3841), (178, 4063),

Gene: Twister_5 Start: 2837, Stop: 3484, Start Num: 28

Candidate Starts for Twister_5:

(Start: 28 @2837 has 386 MA's), (94, 3014), (123, 3146), (133, 3197), (134, 3200),

Gene: TygerBlood_5 Start: 2724, Stop: 3386, Start Num: 28

Candidate Starts for TygerBlood_5:

(Start: 28 @2724 has 386 MA's), (73, 2829), (152, 3141), (153, 3144), (208, 3369),

Gene: Ugenie5_6 Start: 5227, Stop: 5898, Start Num: 28

Candidate Starts for Ugenie5_6:

(Start: 28 @5227 has 386 MA's), (94, 5401), (99, 5437), (153, 5650), (195, 5821),

Gene: Ulysses_5 Start: 2723, Stop: 3388, Start Num: 28

Candidate Starts for Ulysses_5:

(Start: 28 @2723 has 386 MA's), (61, 2804), (97, 2903), (132, 3077),

Gene: UnionJack_5 Start: 3413, Stop: 4054, Start Num: 28

Candidate Starts for UnionJack_5:

(Start: 28 @3413 has 386 MA's), (74, 3521), (92, 3581), (102, 3629), (106, 3635), (112, 3674), (126, 3725), (207, 4031),

Gene: VA6_32 Start: 24568, Stop: 25233, Start Num: 29

Candidate Starts for VA6_32:

(Start: 29 @24568 has 24 MA's), (55, 24631), (77, 24691), (81, 24700), (82, 24703), (177, 25081), (198, 25171), (207, 25213),

Gene: VC3_35 Start: 24556, Stop: 25221, Start Num: 29

Candidate Starts for VC3_35:

(Start: 29 @24556 has 24 MA's), (55, 24619), (77, 24679), (81, 24688), (82, 24691), (102, 24784), (177, 25069), (198, 25159), (207, 25201),

Gene: VanLee_26 Start: 22797, Stop: 23510, Start Num: 22

Candidate Starts for VanLee_26:

(Start: 22 @22797 has 11 MA's), (57, 22881), (137, 23223), (212, 23505),

Gene: Veracruz_4 Start: 2764, Stop: 3423, Start Num: 32

Candidate Starts for Veracruz_4:

(Start: 32 @2764 has 16 MA's), (42, 2785), (64, 2851), (94, 2941), (99, 2977), (160, 3223), (188, 3310),

Gene: Vix_5 Start: 2719, Stop: 3351, Start Num: 28

Candidate Starts for Vix_5:

(Start: 28 @2719 has 386 MA's), (96, 2902), (97, 2905), (99, 2932),

Gene: VohminGhazi_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for VohminGhazi_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Waits_8 Start: 4402, Stop: 5076, Start Num: 39

Candidate Starts for Waits_8:

(Start: 39 @4402 has 13 MA's), (69, 4483), (80, 4519), (111, 4666), (126, 4714),

Gene: WalterMcMickey_5 Start: 2837, Stop: 3484, Start Num: 28
Candidate Starts for WalterMcMickey_5:
(Start: 28 @2837 has 386 MA's), (94, 3014), (123, 3146), (133, 3197), (134, 3200),

Gene: Wander_5 Start: 2722, Stop: 3384, Start Num: 28
Candidate Starts for Wander_5:
(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Warrior24_8 Start: 4406, Stop: 5080, Start Num: 39
Candidate Starts for Warrior24_8:
(Start: 39 @4406 has 13 MA's), (69, 4487), (80, 4523), (111, 4670), (126, 4718),

Gene: Watson_5 Start: 2890, Stop: 3549, Start Num: 28
Candidate Starts for Watson_5:
(Start: 28 @2890 has 386 MA's), (96, 3073), (101, 3106), (117, 3175), (207, 3529),

Gene: WeiHuaDA_9 Start: 5446, Stop: 6132, Start Num: 28
Candidate Starts for WeiHuaDA_9:
(Start: 28 @5446 has 386 MA's), (95, 5620), (129, 5770), (173, 5941), (197, 6061),

Gene: Wiks_8 Start: 4661, Stop: 5359, Start Num: 21
Candidate Starts for Wiks_8:
(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Wilbur_5 Start: 2721, Stop: 3383, Start Num: 28
Candidate Starts for Wilbur_5:
(Start: 28 @2721 has 386 MA's), (73, 2826), (152, 3138), (153, 3141), (208, 3366),

Gene: Wile_5 Start: 2734, Stop: 3396, Start Num: 28
Candidate Starts for Wile_5:
(Start: 28 @2734 has 386 MA's), (73, 2839), (153, 3154),

Gene: Wizard007_5 Start: 2724, Stop: 3386, Start Num: 28
Candidate Starts for Wizard007_5:
(Start: 28 @2724 has 386 MA's), (73, 2829), (152, 3141), (153, 3144), (208, 3369),

Gene: Wolpertinger_7 Start: 5413, Stop: 6075, Start Num: 28
Candidate Starts for Wolpertinger_7:
(Start: 28 @5413 has 386 MA's), (Start: 56 @5479 has 2 MA's), (84, 5554), (109, 5665), (178, 5905), (188, 5950),

Gene: Wooper_39 Start: 33935, Stop: 34597, Start Num: 25
Candidate Starts for Wooper_39:
(Start: 25 @33935 has 8 MA's), (51, 33992), (62, 34022), (64, 34025), (74, 34043), (112, 34199), (148, 34340), (155, 34355), (161, 34385), (176, 34442), (183, 34454), (209, 34580),

Gene: WorldCup_30 Start: 23978, Stop: 24619, Start Num: 28
Candidate Starts for WorldCup_30:
(18, 23906), (Start: 28 @23978 has 386 MA's), (82, 24113), (94, 24161), (148, 24392), (207, 24599),

Gene: WunderPhul_8 Start: 4661, Stop: 5359, Start Num: 21
Candidate Starts for WunderPhul_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Xena_5 Start: 2733, Stop: 3395, Start Num: 28

Candidate Starts for Xena_5:

(Start: 28 @2733 has 386 MA's), (73, 2838), (153, 3153),

Gene: Yarn_27 Start: 22532, Stop: 23170, Start Num: 28

Candidate Starts for Yarn_27:

(Start: 28 @22532 has 386 MA's), (Start: 31 @22541 has 9 MA's), (51, 22583), (58, 22601), (75, 22637), (94, 22697), (142, 22913), (184, 23027),

Gene: Yecey3_33 Start: 24132, Stop: 24764, Start Num: 29

Candidate Starts for Yecey3_33:

(Start: 29 @24132 has 24 MA's), (96, 24318), (99, 24348), (142, 24519), (145, 24525),

Gene: Yeshua_39 Start: 33912, Stop: 34574, Start Num: 25

Candidate Starts for Yeshua_39:

(Start: 25 @33912 has 8 MA's), (51, 33969), (62, 33999), (64, 34002), (74, 34020), (112, 34176), (148, 34317), (155, 34332), (161, 34362), (176, 34419), (183, 34431), (209, 34557),

Gene: YoSam321_5 Start: 2722, Stop: 3384, Start Num: 28

Candidate Starts for YoSam321_5:

(Start: 28 @2722 has 386 MA's), (73, 2827), (152, 3139), (153, 3142), (208, 3367),

Gene: Yokurt_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Yokurt_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Zaka_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Zaka_8:

(Start: 21 @4661 has 48 MA's), (168, 5165), (210, 5351),

Gene: Zarafa_5 Start: 2922, Stop: 3572, Start Num: 28

Candidate Starts for Zarafa_5:

(Start: 28 @2922 has 386 MA's), (96, 3105), (136, 3297), (173, 3417),

Gene: Zetzy_5 Start: 2721, Stop: 3356, Start Num: 28

Candidate Starts for Zetzy_5:

(Start: 28 @2721 has 386 MA's), (99, 2934), (121, 3024),

Gene: Zolita_4 Start: 3697, Stop: 4401, Start Num: 34

Candidate Starts for Zolita_4:

(Start: 28 @3679 has 386 MA's), (Start: 34 @3697 has 6 MA's), (Start: 56 @3745 has 2 MA's), (64, 3766), (96, 3862),

Gene: Zulu_8 Start: 4661, Stop: 5359, Start Num: 21

Candidate Starts for Zulu_8:

(Start: 21 @4661 has 48 MA's), (91, 4862), (168, 5165), (210, 5351),