

Pham 279962

[illegible]

Pham 279962

251: Sunflower1121_25	196	20	97	141	178	205	249	295	309	369	377	393	415	434	454	468	475	489	502	508	528	556	5893	650	657	6983	7497	771	791	
252: November_25	88	89	111	130	149	16	216	241	264	284	301	321	340	360	400	428	441	460	491	533	543	553	580	611	643	653	698	749	778	789
253: Amigne_25	88	88	111	130	149	16	216	241	264	284	301	321	340	360	400	428	441	460	491	533	543	553	580	611	643	653	698	749	778	789
254: Lavaound_25	88	88	111	130	149	16	216	241	264	284	301	321	340	360	400	428	441	460	491	533	543	553	580	611	643	653	698	749	778	789
255: Elmie_24	18	29	50	81	100	150	189	201	233	270	300	337	370	400	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
256: Red305_21+9	18	29	50	81	100	150	189	201	233	270	300	337	370	400	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
257: Bellis_21+3	18	29	50	85	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
258: MiniLon_21+2	18	29	50	100	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
259: DuncansLeg_21	18	29	50	65	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
260: Elison_21	18	29	50	117	142	163	181	211	233	270	300	337	370	400	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
261: Whirlwind_22+2	18	29	50	84	100	150	189	201	233	270	300	337	371	401	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
262: KirDouble07_19	18	29	50	65	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
263: LiyuLake_21+1	18	29	50	81	100	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640
264: Impisi_21	18	29	50	47	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
265: SkinnyPete_21	18	29	50	103	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
266: Andies_20	18	29	50	103	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
267: Philoss_20	18	29	50	81	100	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640
268: Shweta_20	18	29	50	81	100	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640
269: Schtech_20	18	29	50	81	100	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640
270: Xeno_20	18	29	50	103	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
271: Fulbright_20	18	29	50	103	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
272: Gavneia_21+6	18	29	50	103	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
273: Wmsammy_21+1	18	29	50	103	142	163	181	211	233	270	300	337	371	412	436	449	468	484	491	503	533	540	561	589	601	610	620	630	640	650
274: Phineas_21	17	74	95	114	141	151	171	191	211	231	251	271	291	311	331	351	371	391	411	431	451	471	491	511	531	551	571	591	611	631
275: Cracklewink_27	17	74	95	114	141	151	171	191	211	231	251	271	291	311	331	351	371	391	411	431	451	471	491	511	531	551	571	591	611	631
276: Hmptfarm_27	17	74	95	114	141	151	171	191	211	231	251	271	291	311	331	351	371	391	411	431	451	471	491	511	531	551	571	591	611	631
277: Faiyaz_27+2	17	74	95	114	141	151	171	191	211	231	251	271	291	311	331	351	371	391	411	431	451	471	491	511	531	551	571	591	611	631

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 279962 Report

This analysis was run 02/07/26 on database version 634.

Pham number 279962 has 577 members, 67 are drafts.

Phages represented in each track:

- Track 1 : WalterMcMickey_33, Twister_33
- Track 2 : DontArgue_31
- Track 3 : Poompha_31
- Track 4 : Topanga_33
- Track 5 : KittenMittens_31
- Track 6 : Chupacabra_32
- Track 7 : PeaceMeal1_31
- Track 8 : Kristoff_34
- Track 9 : Eaglepride_34
- Track 10 : RhynO_34
- Track 11 : Edison31_33
- Track 12 : Drake94_31
- Track 13 : Goose_32
- Track 14 : Rebeuca_34
- Track 15 : OKCentral2016_32
- Track 16 : Shapes_37, Rowdy_37, DustyMartin_37
- Track 17 : Trike_30
- Track 18 : Severus_31
- Track 19 : SororFago_31
- Track 20 : Gail_31
- Track 21 : Luchador_33
- Track 22 : 40AC_34
- Track 23 : MyraDee_29
- Track 24 : Baehexic_32, Centaur_33
- Track 25 : Drake55_33
- Track 26 : Gratitude_32, WideWale_33, Updawg_33, Equemioh13_33
- Track 27 : Loser_35
- Track 28 : Jerm_33
- Track 29 : Iwokeuplikedis_32
- Track 30 : Pukovnik_33
- Track 31 : BengiVuitton_32
- Track 32 : KingCyrus_33
- Track 33 : DeerParkTS_33
- Track 34 : BobSwaget_34
- Track 35 : Jaan_35
- Track 36 : LionsBait_32, HippoHollow_32
- Track 37 : Kalpine_34

- Track 38 : MiculUcigas_31
- Track 39 : Buggy_33
- Track 40 : ChipMunk_33
- Track 41 : Leogania_33
- Track 42 : WeiHuaDA_37
- Track 43 : Trixie_34
- Track 44 : SnapTap_31, Crucio_31
- Track 45 : Changeling_34
- Track 46 : Agape74_33, AbbyPaige_33
- Track 47 : Heffalump_33
- Track 48 : JoshKayV_33
- Track 49 : ArcherNM_34
- Track 50 : BiancaTri92_33
- Track 51 : Terrific_35
- Track 52 : Benvolio_31, Echild_31
- Track 53 : Flare16_31, Sknot_31
- Track 54 : Larenn_32
- Track 55 : FiringLine_31, QueenBeesly_31
- Track 56 : Bactobuster_33
- Track 57 : LadyBird_31
- Track 58 : Piro94_32
- Track 59 : BabyBack_33
- Track 60 : IronMan_34
- Track 61 : Georgie2_32
- Track 62 : Phaded_35
- Track 63 : GaugeLDP_33
- Track 64 : NothingSpecial_33
- Track 65 : Turbido_33, Whabigail7_33, LilTurb_33
- Track 66 : Dignity_33
- Track 67 : EvilGenius_33
- Track 68 : Retro23_31
- Track 69 : First_0031
- Track 70 : Anselm_31
- Track 71 : NicoleTera_35
- Track 72 : Power_31
- Track 73 : ForesterFrank_33
- Track 74 : SemperFi_33
- Track 75 : EZMoney23_35
- Track 76 : HarryHoudini_33
- Track 77 : Trooper_31
- Track 78 : CRB1_31
- Track 79 : SweetiePie_31
- Track 80 : Miko_34
- Track 81 : DudeLittle_31
- Track 82 : Lokk_34
- Track 83 : NaSiaTalie_31
- Track 84 : Prudy_34
- Track 85 : Colin_35
- Track 86 : Fameo_31, QueenB2_31
- Track 87 : TarsusIV_31
- Track 88 : RedRock_35
- Track 89 : Tristan_33
- Track 90 : Landor_33

- Track 91 : 20ES_31
- Track 92 : Rachaly_34
- Track 93 : AnnaL29_35
- Track 94 : Deloris_32
- Track 95 : Leviathan_33
- Track 96 : Dalmatian_31
- Track 97 : Smeagan_33
- Track 98 : Texage_31, Hookmount_32, Panamaxus_31, Lambert1_32, Noella_32, Caviar_32, Norbert_31, EtoileNova_32, Popcicle_32, Pocahontas_32
- Track 99 : Vix_33, Microwolf_33, Montavir_32, Grub_33, Dieselweasel_33, Grum1_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, Gwennie_32, GtownJaz_33, AugsMagnumOpus_35, JHC117_33, EpicPhail_33, LBerry_33, Aglet_33, MarQuardt_33, GingkoMaracino_33, Mainiac_33, Pembroke_33, Cullens_33, Stagni_33, Penny1_33, Fernando_33, LugYA_35, Lilith_33, Snickers_33, Watson_33, Iowa_33, Bigflo_33, Malinsilva_35, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, SoYo_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, Farber_33, PotatoSplit_34, JenCasNa_33, Ollie_33, BreSam8_33, Sabia_33
- Track 100 : Heathen_31, Fred313_31, Zarafa_31, DropBear_31, Scout_31, Kachowdy_31, HelDan_31, Marchesa_31
- Track 101 : Kalb97_34
- Track 102 : Reba_34, Phranny_34
- Track 103 : Manu_34, Groupthink_34, PurpleHaze_33, Pawn_33, Marius_34, Gemma_33, Heliosoles_33, Calvinny_34
- Track 104 : QuinnKiro_31, Veracruz_31, Todacoro_32
- Track 105 : BabyRay_31
- Track 106 : Soshari_35, Methuselah_32
- Track 107 : Grif_33
- Track 108 : Kalnoky_34, JeppNRM_34
- Track 109 : B1_29
- Track 110 : Isca_31
- Track 111 : MA5_31
- Track 112 : Phoxy_33, LarryKay_33, Rummer_33, HashRod_34, Louie6_33, Bxz2_32, BuzzBuzz_32, TinyPebbles_33, Misomonster_35, KADY_34, Daishi_32, AgronaGT15_33
- Track 113 : Tiffany_33
- Track 114 : Margo_32
- Track 115 : TNguyen7_31, Idleandcovert_31, BlueBird_32, Bugatti_31, Clammy_31, Giroux_32, SaturnRing_31, Pistachio_32, Puppy_32
- Track 116 : BabyJohn_30, Chiqui_30
- Track 117 : Jobu08_33
- Track 118 : JF2_31, JF4_31
- Track 119 : ResDef_32
- Track 120 : Spike509_33
- Track 121 : Zetzy_32
- Track 122 : HaveUMetTed_34, ACFishhook_33
- Track 123 : MK4_31
- Track 124 : SoilDragon_33
- Track 125 : Rockstar_31
- Track 126 : OlanP_33
- Track 127 : Phantastic_31
- Track 128 : PhishRPhriends_32

- Track 129 : HamSlice_30, Relief_31, LappelDuVide_31, TroyPia_31, Pipcraft_31, Eapen_31, Citius_31, Lunsford_32
- Track 130 : Morpher26_31, Datway_31, Katalie136_31, AbbysRanger_31, Achebe_30, PetiteSangsue_31, Perplexer_31, Backyardigan_31, Badger_31, Bumblebee11_31, Xena_31, Cici_31
- Track 131 : Stasia_32
- Track 132 : Pumbaa_31
- Track 133 : Bartimeaus_31, Wilbur_31, Ruin_31, TygerBlood_31, SteMason_30, Albee_31, Flux_31, Bombshell_31, Peaches_31, TiroTheta9_31, Sabertooth_31, KekoraPapaka_30, JoongJeon_31, Druantia_31, Millski_30, Phelipe_31, Deano_31, CentreCat_31, Thanksgivukkah_31, Lemur_31, LittleB_31, Holli_31, Skipitt_31, Kingmustik0402_31, JetBlade_31, RockieBear_30, Roosevelt_31, Taquarus_31, Baby16_31, Commander_31, Chaph_31, Romney_31, Clarenza_31, Connomayer_31, Florean_31, SeniorClean_31, Dhanush_31, Wizard007_31, Medusa_31, Melvin_31, Blackmoor_31, Burger_30, Eros_31, YoSam321_31
- Track 134 : Bruiser_30, Koreni_30, Avle17_31, Alberto7_32, Nemo27_31, Caelakin_31, Wander_31, Spino_31, Cocoaberry_31, Maverick_31, Phacado_31, Gadost_31, Houdini22_31
- Track 135 : Arturo_30
- Track 136 : Wile_31
- Track 137 : Stink_32, AvatarAhPeg_32, Miramae_31
- Track 138 : Annyong_31, Kyee_31, BubbleTrouble_31, KFPoly_31, MeeZee_31
- Track 139 : LochMonster_31, Phighter1804_31, DirtyDunning_31, Ulysses_30, Iracema64_32
- Track 140 : Polymorphads_31, BellusTerra_31, Eurydice_31, Ohfah_31, Nebs_31
- Track 141 : OKaNui_32
- Track 142 : Abdiel_30
- Track 143 : PeterPeter_31, Lorenzo_31, Mazhar510_31, Shaka_31, Mayonnaise_31, ICleared_31, Sultana_31
- Track 144 : Cintron_31
- Track 145 : Broseidon_31
- Track 146 : SheldonCooper_32, Obama12_32, Eagle_30, LHTSCC_32, BangNhom_31, Cerulean_32
- Track 147 : Tinybot_30, Rosa24_30
- Track 148 : TinaFeyge_31, NorthStar_31
- Track 149 : Kratark_31
- Track 150 : Maxo_31, Kampy_31, Sparxx_31
- Track 151 : Camperdownii_30
- Track 152 : Cindaradix_30
- Track 153 : Mundrea_31
- Track 154 : Eris_30, Funston_31
- Track 155 : Noelle_31
- Track 156 : Jaykayelowell_31
- Track 157 : Huxley_31
- Track 158 : Happiness_31
- Track 159 : ChampagnePapi_32
- Track 160 : Scamp_31
- Track 161 : Kremtemulon_31
- Track 162 : Phontbonne_31
- Track 163 : Nyxis_31
- Track 164 : Iceman_32
- Track 165 : Shygu2_31
- Track 166 : Koan_31

- Track 167 : LeoAvram_31
- Track 168 : LittleGuy_31
- Track 169 : NotAPhaseMom_31
- Track 170 : Morrow_31
- Track 171 : Palestino_30
- Track 172 : EmyBug_33, Eidsmoe_33, Conquerage_33, Qobbit_33, Spouty_33, Priya_33, ExplosioNervosa_33
- Track 173 : Aliter_33, Ugenie5_30, Fayely_33, Myxus_33, Halex_32, Catalina_34, HortumSL17_33, Lilleskat_31, PackMan_33, Tubs_33, Phaeder_33, Scherzo_33
- Track 174 : Maminiaina_32, BogosyJay_32
- Track 175 : LoneWolf_32
- Track 176 : Hanray_32, Phonnegut_33, Beemo_33, Jiawan_32, Pioneer_33, RyeScarlet_34, Onglai_32
- Track 177 : Ayanochan_34
- Track 178 : Vanisoa_30
- Track 179 : EdogawaKiddo_31
- Track 180 : Darrell_33
- Track 181 : Alma_33
- Track 182 : Arissanae_31
- Track 183 : Keziacharles14_31
- Track 184 : Elephantoon_32
- Track 185 : Sachima_31
- Track 186 : Maco6_22
- Track 187 : FF47_24
- Track 188 : Muddy_24
- Track 189 : 8UZL_24
- Track 190 : MalagasyRose_27
- Track 191 : Imvubu_24
- Track 192 : Indlovu_28
- Track 193 : Hashim76_34
- Track 194 : Zenteno07_34
- Track 195 : Saguaro_31
- Track 196 : Thonko_29
- Track 197 : Knocker_32
- Track 198 : CRB2_33
- Track 199 : PenguinLover67_32
- Track 200 : Quesadilla_31
- Track 201 : Squirty_19
- Track 202 : Mdavu_23, Trice_23, Enkosi_23, Teejan_23, Amelie_23, Binglebops_23, Torres_23, LilPharaoh_23, SgtBeansprout_23, Nutello_23
- Track 203 : Chavito_27
- Track 204 : Curiosium_28
- Track 205 : Nikao_23
- Track 206 : Shaobing_27
- Track 207 : LastHope_27
- Track 208 : Dartin_27, McMater_27, Peanam_27, Richo_27, Niklas_27
- Track 209 : TingHuaYa_27
- Track 210 : Validus_27
- Track 211 : Findley_23
- Track 212 : Marcoliusprime_23, DismalStressor_23, DismalFunk_23
- Track 213 : Milly_23
- Track 214 : TM4_23
- Track 215 : ZoeJ_23

- Track 216 : Strobilo_23
- Track 217 : Mufasa_23, BoostSeason_23, Doughnut_23
- Track 218 : TBond007_26, Pixie_26
- Track 219 : MacnCheese_27
- Track 220 : ShedlockHolmes_26, Lea83_26
- Track 221 : Pharb_26
- Track 222 : TribbleTrouble_25
- Track 223 : Hurricane_26
- Track 224 : Keshu_26
- Track 225 : Kraw_28
- Track 226 : Fionnbharth_28, JF1_28, YasnayaPolyana_28, Wintermute_28, Y10_28, Y2_28, Malthus_29
- Track 227 : Reptar3000_28
- Track 228 : Bobquesha_29
- Track 229 : MissDaisy_28
- Track 230 : Slarp_28, Cheetobro_28, Chancellor_28
- Track 231 : OmniCritical_28
- Track 232 : Patt_28
- Track 233 : Mitti_28
- Track 234 : Lebo14_28
- Track 235 : Phrank_26, Bryler_26, Cain_26
- Track 236 : Ekdilam_24
- Track 237 : Yuna_28
- Track 238 : Shadow1_25
- Track 239 : Amohnition_26
- Track 240 : Unicorn_26, PhelpsODU_26
- Track 241 : Krueger_26
- Track 242 : Tierra_26
- Track 243 : Hammy_26
- Track 244 : Applecrisp_25
- Track 245 : Syra333_26
- Track 246 : DarthP_26
- Track 247 : TClif_26
- Track 248 : Tigress9_27
- Track 249 : Ximenita_27
- Track 250 : Fefferhead_26
- Track 251 : Sunflower1121_25
- Track 252 : November_25
- Track 253 : Amgine_25
- Track 254 : Lavahound_25
- Track 255 : Ellie_24
- Track 256 : Red305_21, Jubie_21, Lumos_21, Snenia_21, Clautastrophe_21, TriFive_21, Nicholas_21, MsGreen_21, Kingsolomon_21, Jobypre_21
- Track 257 : Bellis_21, Moostard_21, Finnry_21, Samty_21
- Track 258 : MiniLon_21, MiniMac_21, Lolly9_21
- Track 259 : DuncansLeg_21
- Track 260 : Ellson_21
- Track 261 : Whirlwind_22, Krypton555_21
- Track 262 : KirDoubleO7_19
- Track 263 : LiyuLake_21, BourbonZero_20
- Track 264 : Impisi_21
- Track 265 : SkinnyPete_20, Panchino_20
- Track 266 : Andies_20

- Track 267 : Phloss_20
- Track 268 : Shweta_20
- Track 269 : Scitech_20
- Track 270 : Xeno_20
- Track 271 : Fulbright_20
- Track 272 : Gavriela_21, CactusJack_21, StressBall_21, Glaske_21, Megiddo_21, KilKor_21, Phalm_21
- Track 273 : Willsammy_21, Dynamo_21
- Track 274 : Phineas_21
- Track 275 : Cracklewink_27, Bipper_27
- Track 276 : Hilltopfarm_27
- Track 277 : Faiyaz_27, AuntGwenStacy_27, Typha_27

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

The start number called the most often in the published annotations is 230, it was called in 141 of the 510 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• AbbysRanger_31, Abdiel_30, Achebe_30, Albee_31, Alberto7_32, Annyong_31, Arturo_30, AvatarAhPeg_32, Avle17_31, Baby16_31, Backyardigan_31, Badger_31, BangNhom_31, Bartimeaus_31, BellusTerra_31, Blackmoor_31, Bombshell_31, Broseidon_31, Bruiser_30, BubbleTrouble_31, Bumblebee11_31, Burger_30, Caelakin_31, Camperdownii_30, CentreCat_31, Cerulean_32, ChampagnePapi_32, Chaph_31, Cici_31, Cindaradix_30, Cintron_31, Citius_31, Clarenza_31, CocoaBerry_31, Commander_31, Connomayer_31, Datway_31, Deano_31, Dhanush_31, DirtyDunning_31, Druantia_31, Eagle_30, Eapen_31, Eris_30, Eros_31, Eurydice_31, Florean_31, Flux_31, Funston_31, Gadost_31, HamSlice_30, Happiness_31, Holli_31, Houdini22_31, Huxley_31, ICleared_31, Iceman_32, Iracema64_32, Jaykayelowell_31, JetBlade_31, JoongJeon_31, KFPoly_31, Kamy_31, Katalie136_31, KekoraPapaka_30, Kingmustik0402_31, Koan_31, Koreni_30, Kratak_31, Kremtemulon_31, Kyee_31, LHTSCC_32, LappelDuVide_31, Lemur_31, LeoAvram_31, LittleB_31, LittleGuy_31, LochMonster_31, Lorenzo_31, Lunsford_32, Maverick_31, Maxo_31, Mayonnaise_31, Mazhar510_31, Medusa_31, MeeZee_31, Melvin_31, Millski_30, Miramae_31, Morpher26_31, Morrow_31, Mundrea_31, MyraDee_29, Nebs_31, Nemo27_31, Noelle_31, NorthStar_31, NotAPhaseMom_31, Nyxis_31, OKaNui_32, Obama12_32, Ohfah_31, Palestino_30, Peaches_31, Perplexer_31, PeterPeter_31, PetiteSangsue_31, Phacado_31, Phelipe_31, Phighter1804_31, Phontbonne_31, Pipcraft_31, Polymorphads_31, Pumbaa_31, Relief_31, RockieBear_30, Romney_31, Roosevelt_31, Rosa24_30, Ruin_31, Sabertooth_31, Scamp_31, SenorClean_31, Shaka_31, SheldonCooper_32, Shygu2_31, Skipitt_31, Sparxx_31, Spino_31, SteMason_30, Stink_32, Sultana_31, Taquarus_31, Thanksgivukkah_31, TinaFeyge_31, Tinybot_30, TiroTheta9_31, TroyPia_31, TygerBlood_31, Ulysses_30, Wander_31, Wilbur_31, Wile_31, Wizard007_31, Xena_31, YoSam321_31,

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

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

• 20ES_31, 40AC_34, 8UZL_24, ACFishhook_33, AbbyPaige_33, Agape74_33, Aglet_33, AgronaGT15_33, Aliter_33, Alma_33, Amelie_23, Amgine_25, Amohnition_26, Andies_20, AnnaL29_35, Anselm_31, Anubis_35, Applecrisp_25, ArcherNM_34, Arissanae_31, AugsMagnumOpus_35, AuntGwenStacy_27, Ayanochan_34, B1_29, BabyBack_33, BabyJohn_30, BabyRay_31, Bactobuster_33, Baehexic_32, Beauxregard13_33, Beemo_33, Bellis_21, BengiVuitton_32, Benvolio_31, BiancaTri92_33, Bigflo_33, Binglebops_23, Bipper_27, BlueBird_32, BobSwaget_34, Bobquesha_29, BogosyJay_32, BoostSeason_23, BourbonZero_20, BreSam8_33, Bryler_26, Bugatti_31, Bugsy_33, BuzzBuzz_32, Bxz2_32, CRB1_31, CRB2_33, CactusJack_21, Cain_26, Calvinny_34, Catalina_34, Caviar_32, Centaur_33, Chancellor_28, Changeling_34, Chavito_27, Cheetobro_28, ChipMunk_33, Chiqui_30, Chupacabra_32, Clammy_31, Clautastrophe_21, Colbster_33, Colin_35, Conquerage_33, Cracklewink_27, Crucio_31, Cullens_33, Curiosium_28, DaHudson_33, Daishi_32, Dalmatian_31, Darrell_33, DarthP_26, Dartin_27, DeerParkTS_33, Deloris_32, Dieselweasel_33, Dignity_33, DismalFunk_23, DismalStressor_23, DontArgue_31, Doughnut_23, Drake55_33, Drake94_31, DropBear_31, DudeLittle_31, DuncansLeg_21, DustyMartin_37, Dynamo_21, EZMoney23_35, Eaglepride_34, Echild_31, Edison31_33, EdogawaKiddo_31, Eidsmoe_33, Ekdilam_24, Elephantoon_32, Ellie_24, Ellson_21, EmyBug_33, Enkosi_23, EpicPhail_33, Equemioh13_33, EtoileNova_32, EvilGenius_33, ExplosioNervosa_33, FF47_24, Faiyaz_27, Fameo_31, Farber_33, Fayely_33, Fefferhead_26, Fernando_33, Findley_23, Finnry_21, Fionnbharth_28, FiringLine_31, First_0031, Flare16_31, ForesterFrank_33, Fred313_31, Fulbright_20, Gail_31, GaugeLDP_33, Gavriela_21, Gemma_33, Georgie2_32, GingkoMaracino_33, Giroux_32, Glaske_21, Goose_32, Gratitude_32, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, Gwennie_32, Hammy_26, Hanray_32, HarryHoudini_33, HashRod_34, Hashim76_34, HaveUMetTed_34, Heathen_31, Heffalump_33, HelDan_31, Heliosoles_33, Hercules11_33, Hilltopfarm_27, HippoHollow_32, Hollex_32, Hookmount_32, HortumSL17_33, Hurricane_26, Idleandcovert_31, Impisi_21, Imvubu_24, Indlovu_28, IronMan_34, Isca_31, Iwokeuplikedis_32, JF1_28, JF2_31, JF4_31, JHC117_33, Jaan_35, JenCasNa_33, JeppNRM_34, Jerm_33, Jiawan_32, Jobu08_33, Jobypre_21, JoshKayV_33, Jubie_21, KADY_34, Kachowdy_31, Kalb97_34, Kalnoky_34, Kalpine_34, Keshu_26, Keziacharles14_31, KilKor_21, KingCyrus_33, Kingsolomon_21, KirDoubleO7_19, KittenMittens_31, Knocker_32, Kraw_28, Kristoff_34, Krueger_26, Krypton555_21, LBerry_33, LadyBird_31, Lambert1_32, Landor_33, Larenn_32, LarryKay_33, LastHope_27, Lavahound_25, Lea83_26, Lebo14_28, Leogania_33, Leviathan_33, LilPharaoh_23, LilTurb_33, Lilith_33, Lilleskat_31, LionsBait_32, LiyuLake_21, Lokk_34, Lolly9_21, LoneWolf_32, Loser_35, Louie6_33, Iowa_33, Luchador_33, LugYA_35, Lumos_21, MA5_31, MK4_31, MacnCheese_27, Maco6_22, MadMarie_33, Mainiac_33, MalagasyRose_27, Malinsilva_35, Malthus_29, Maminaiaina_32, Manu_34, MarQuardt_33, Marchesa_31, Marcoliusprime_23, Margo_32, Marie_33, Marius_34, McMater_27, Mdavu_23, Megiddo_21, Methuselah_32, Microwolf_33, MiculUcigas_31, Miko_34, Milly_23, MiniLon_21, MiniMac_21, Misomonster_35, MissDaisy_28, Mitti_28, MoneyMay_33, Montavir_32, Moostard_21, MsGreen_21, MuchMore_35, Muddy_24, Mufasa_23, Myxus_33, NaSiaTalie_31, Nicholas_21, NicoleTera_35, Nikao_23, Niklas_27, Noella_32, Norbert_31, NothingSpecial_33, November_25, Nutello_23, OKCentral2016_32, OlanP_33, Ollie_33, OmniCritical_28, Onglai_32, P28Green_33, PGHhamlin_35, PackMan_33, Panamaxus_31, Panchino_20, Patt_28, Pawn_33, PeaceMeal1_31, Peanam_27, Pembroke_33, PenguinLover67_32, Penny1_33, Phaded_35, Phaeder_33, Phalm_21, Phantastic_31, Pharb_26, PhelpsODU_26, Phineas_21, PhishRPhriends_32,

Phloss_20, Phoebe_33, Phonnegut_33, Phoxy_33, Phrank_26, Phranny_34, Pioneer_33, Piro94_32, Pistachio_32, Pixie_26, Pocahontas_32, Poompha_31, Popcicle_32, PotatoSplit_34, Power_31, Priya_33, Prudy_34, Pukovnik_33, Puppy_32, PurpleHaze_33, Qobbit_33, QueenB2_31, QueenBeesly_31, Quesadilla_31, QuinnKiro_31, Rachaly_34, Reba_34, Rebeuca_34, Red305_21, RedRock_35, Reptar3000_28, ResDef_32, Retro23_31, RhynO_34, Richo_27, Rockstar_31, Rowdy_37, Rummer_33, RyeScarlet_34, Sabia_33, Sabinator_33, Sachima_31, Saguaro_31, Samty_21, SaturnRing_31, Scherzo_33, Scitech_20, Scout_31, SemperFi_33, Severus_31, SgtBeansprout_23, Shadow1_25, Shaobing_27, Shapes_37, ShedlockHolmes_26, Shweta_20, SkinnyPete_20, Sknot_31, Slarp_28, Smeagan_33, SnapTap_31, Snenia_21, Snickers_33, SoYo_33, SoilDragon_33, SororFago_31, Soshari_35, Spike509_33, Spouty_33, Squirty_19, Stagni_33, Stasia_32, StepMih_33, StressBall_21, Strobilo_23, Sunflower1121_25, SweetiePie_31, Syra333_26, TBond007_26, TClif_26, TM4_23, TNguyen7_31, TarsusIV_31, Taurus_33, Teejan_23, Terrific_35, Texage_31, Thonko_29, Tierra_26, Tiffany_33, Tigress9_27, TingHuaYa_27, TinyPebbles_33, Todacoro_32, Topanga_33, Torres_23, TriFive_21, TribbleTrouble_25, Trice_23, Trike_30, Tristan_33, Trixie_34, Trooper_31, Tubs_33, Turbido_33, Twister_33, Typha_27, Ugenie5_30, Unicorn_26, Updawg_33, Validus_27, Vanisoa_30, Veracruz_31, Vix_33, WalterMcMickey_33, Watson_33, WeiHuaDA_37, Whabigail7_33, Whirlwind_22, WideWale_33, Willsammy_21, Wintermute_28, Wooldri_35, Xeno_20, Ximenita_27, Y10_28, Y2_28, YasnayaPolyana_28, Yuna_28, Zarafa_31, Zenteno07_34, Zetzy_32, ZoeJ_23,

Summary by start number:

Start 1:

- Found in 1 of 577 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DeerParkTS_33 (A2),

Start 7:

- Found in 1 of 577 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Squirty_19 (F3),

Start 8:

- Found in 19 of 577 (3.3%) of genes in pham
- Manual Annotations of this start: 17 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andies_20 (N), CactusJack_21 (P1), Dynamo_21 (P1), Fulbright_20 (N), Gavriela_21 (P1), Glaske_21 (P1), Impisi_21 (N), KilKor_21 (P1), Megiddo_21 (P1), Panchino_20 (N), Phalm_21 (P1), Phineas_21 (P1), Phloss_20 (N), Scitech_20 (N), Shweta_20 (N), SkinnyPete_20 (N), StressBall_21 (P1), Willsammy_21 (P1), Xeno_20 (N),

Start 17:

- Found in 6 of 577 (1.0%) of genes in pham
- Manual Annotations of this start: 5 of 510
- Called 100.0% of time when present

- Phage (with cluster) where this start called: AuntGwenStacy_27 (Y), Bipper_27 (Y), Cracklewink_27 (Y), Faiyaz_27 (Y), Hilltopfarm_27 (Y), Typha_27 (Y),

Start 18:

- Found in 24 of 577 (4.2%) of genes in pham
- Manual Annotations of this start: 19 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellis_21 (L3), BourbonZero_20 (L3), Clautastrophe_21 (L3), DuncansLeg_21 (L3), Ellson_21 (L3), Finnry_21 (L3), Jobypre_21 (L3), Jubie_21 (L3), Kingsolomon_21 (L3), KirDoubleO7_19 (L3), Krypton555_21 (L3), LiyuLake_21 (L3), Lolly9_21 (L3), Lumos_21 (L3), MiniLon_21 (L3), MiniMac_21 (L3), Moostard_21 (L3), MsGreen_21 (L3), Nicholas_21 (L3), Red305_21 (L3), Samty_21 (L3), Snenia_21 (L3), TriFive_21 (L3), Whirlwind_22 (L3),

Start 21:

- Found in 7 of 577 (1.2%) of genes in pham
- Manual Annotations of this start: 5 of 510
- Called 71.4% of time when present
- Phage (with cluster) where this start called: CRB2_33 (B9), Keziacharles14_31 (A9), Luchador_33 (A14), PenguinLover67_32 (B9), SororFago_31 (A14),

Start 22:

- Found in 1 of 577 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_28 (B11),

Start 23:

- Found in 37 of 577 (6.4%) of genes in pham
- Manual Annotations of this start: 36 of 510
- Called 97.3% of time when present
- Phage (with cluster) where this start called: BoostSeason_23 (K2), Bryler_26 (K6), Cain_26 (K6), ChipMunk_33 (A2), DismalFunk_23 (K2), DismalStressor_23 (K2), Doughnut_23 (K2), EvilGenius_33 (A2), Findley_23 (K2), Gail_31 (A14), Hurricane_26 (K3), Keshu_26 (K3), KingCyrus_33 (A2), Krueger_26 (K6), Lea83_26 (K3), MacnCheese_27 (K3), Marcoliusprime_23 (K2), Milly_23 (K2), Mufasa_23 (K2), PhelpsODU_26 (K6), Phrank_26 (K6), Pixie_26 (K3), Quesadilla_31 (B9), Shadow1_25 (K6), ShedlockHolmes_26 (K3), Strobilo_23 (K2), Sunflower1121_25 (K6), Syra333_26 (K6), TBond007_26 (K3), TClif_26 (K6), TM4_23 (K2), Tierra_26 (K6), TribbleTrouble_25 (K3), Unicorn_26 (K6), Ximenita_27 (K6), ZoeJ_23 (K2),

Start 24:

- Found in 9 of 577 (1.6%) of genes in pham
- Manual Annotations of this start: 8 of 510
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Arissanae_31 (A9), Hashim76_34 (B13), Imvubu_24 (B10), Knocker_32 (B9), Saguaro_31 (B7), Thonko_29 (B8), Vanisoa_30 (A9), Zenteno07_34 (B13),

Start 26:

- Found in 4 of 577 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present

- Phage (with cluster) where this start called: Tigress9_27 (K6),

Start 33:

- Found in 10 of 577 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 10.0% of time when present
- Phage (with cluster) where this start called: MalagasyRose_27 (AG),

Start 37:

- Found in 39 of 577 (6.8%) of genes in pham
- Manual Annotations of this start: 31 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_23 (K1), Binglebops_23 (K1), Bobquesha_29 (K4), Chancellor_28 (K4), Chavito_27 (K1), Cheetobro_28 (K4), Dartin_27 (K1), Enkosi_23 (K1), Fionnbharth_28 (K4), JF1_28 (K4), Kraw_28 (K4), LastHope_27 (K1), Lebo14_28 (K4), LilPharaoh_23 (K1), Malthus_29 (K4), McMater_27 (K1), Mdavu_23 (K1), MissDaisy_28 (K4), Mitti_28 (K4), Nikao_23 (K1), Niklas_27 (K1), Nutello_23 (K1), OmniCritical_28 (K4), Patt_28 (K4), Peanam_27 (K1), Reptar3000_28 (K4), Richo_27 (K1), SgtBeansprout_23 (K1), Shaobing_27 (K1), Slarp_28 (K4), Teejan_23 (K1), TingHuaYa_27 (K1), Torres_23 (K1), Trice_23 (K1), Validus_27 (K1), Wintermute_28 (K4), Y10_28 (K4), Y2_28 (K4), YasnayaPolyana_28 (K4),

Start 39:

- Found in 2 of 577 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Curiosium_28 (K1),

Start 45:

- Found in 19 of 577 (3.3%) of genes in pham
- Manual Annotations of this start: 18 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_33 (A3), Calvinny_34 (A3), Gemma_33 (A3), Groupthink_34 (A3), HaveUMetTed_34 (A3), Heliosoles_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), Kalb97_34 (A3), Kalnoky_34 (A3), Manu_34 (A3), Marius_34 (A3), OlanP_33 (A3), Pawn_33 (A3), PhishRPhriends_32 (A3), Phranny_34 (A3), PurpleHaze_33 (A3), Reba_34 (A3), SoilDragon_33 (A3),

Start 48:

- Found in 29 of 577 (5.0%) of genes in pham
- Manual Annotations of this start: 25 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bactobuster_33 (A2), BiancaTri92_33 (A2), Chupacabra_32 (A10), DontArgue_31 (A10), Drake94_31 (A10), DustyMartin_37 (A10), Eaglepride_34 (A10), Edison31_33 (A10), Goose_32 (A10), Jaan_35 (A2), KittenMittens_31 (A10), Kristoff_34 (A10), Landor_33 (A2), Leogania_33 (A2), OKCentral2016_32 (A10), PeaceMeal1_31 (A10), Phaded_35 (A2), Poompha_31 (A10), Rebeuca_34 (A10), RhynO_34 (A10), Rowdy_37 (A10), Severus_31 (A10), Shapes_37 (A10), Stasia_32 (A4), Topanga_33 (A10), Trike_30 (A10), Tristan_33 (A2), Twister_33 (A10), WalterMcMickey_33 (A10),

Start 51:

- Found in 41 of 577 (7.1%) of genes in pham
- Manual Annotations of this start: 26 of 510
- Called 80.5% of time when present
- Phage (with cluster) where this start called: Aliter_33 (A9), Alma_33 (A9), Ayanochan_34 (A9), Beemo_33 (A9), BogosyJay_32 (A9), Catalina_34 (A9), Conquerage_33 (A9), Darrell_33 (A9), Eidsmoe_33 (A9), Elephantoon_32 (A9), EmyBug_33 (A9), ExplosioNervosa_33 (A9), Fayely_33 (A9), Hanray_32 (A9), Horex_32 (A9), HortumSL17_33 (A9), Jiawan_32 (A9), Lilleskat_31 (A9), LoneWolf_32 (A9), Maminiaina_32 (A9), Myxus_33 (A9), Onglai_32 (A9), PackMan_33 (A9), Phaeder_33 (A9), Phonnegut_33 (A9), Pioneer_33 (A9), Priya_33 (A9), Qobbit_33 (A9), RyeScarlet_34 (A9), Scherzo_33 (A9), Spouty_33 (A9), Tubs_33 (A9), Ugenie5_30 (A9),

Start 52:

- Found in 29 of 577 (5.0%) of genes in pham
- Manual Annotations of this start: 2 of 510
- Called 13.8% of time when present
- Phage (with cluster) where this start called: Colin_35 (A2), Kalpine_34 (A2), Trixie_34 (A2), WeiHuaDA_37 (A2),

Start 53:

- Found in 40 of 577 (6.9%) of genes in pham
- Manual Annotations of this start: 32 of 510
- Called 90.0% of time when present
- Phage (with cluster) where this start called: AbbyPaige_33 (A2), Agape74_33 (A2), Baehexic_32 (A2), Benvolio_31 (A2), BobSwaget_34 (A2), Buggy_33 (A2), Centaur_33 (A2), Dignity_33 (A2), Drake55_33 (A2), Echid_31 (A2), Equemioh13_33 (A2), Flare16_31 (A2), Gratitude_32 (A2), HarryHoudini_33 (A2), HippoHollow_32 (A2), Iwokeuplieddis_32 (A2), Jerm_33 (A2), LadyBird_31 (A2), Larenn_32 (A2), Leviathan_33 (A2), LilTurb_33 (A2), LionsBait_32 (A2), Lokk_34 (A2), MiculUcigas_31 (A2), Miko_34 (A2), NaSiaTalie_31 (A2), NicoleTera_35 (A2), Piro94_32 (A2), Rachaly_34 (A2), Sknot_31 (A2), Smeagan_33 (A2), Terrific_35 (A2), Turbido_33 (A2), Updawg_33 (A2), Whabigail7_33 (A2), WideWale_33 (A2),

Start 54:

- Found in 37 of 577 (6.4%) of genes in pham
- Manual Annotations of this start: 29 of 510
- Called 97.3% of time when present
- Phage (with cluster) where this start called: 20ES_31 (A2), 40AC_34 (A17), AnnaL29_35 (A2), Anselm_31 (A2), ArcherNM_34 (A2), BabyBack_33 (A2), BengiVuitton_32 (A2), CRB1_31 (A2), Changeling_34 (A2), Crucio_31 (A2), Dalmatian_31 (A2), Deloris_32 (A2), DudeLittle_31 (A2), EZMoney23_35 (A2), Fameo_31 (A2), FiringLine_31 (A2), First_0031 (A2), ForesterFrank_33 (A2), GaugeLDP_33 (A2), Georgie2_32 (A2), Heffalump_33 (A2), IronMan_34 (A2), JoshKayV_33 (A2), Loser_35 (A2), NothingSpecial_33 (A2), Power_31 (A2), Prudy_34 (A2), QueenB2_31 (A2), QueenBeesly_31 (A2), RedRock_35 (A2), Retro23_31 (A2), SemperFi_33 (A2), SnapTap_31 (A2), SweetiePie_31 (A2), TarsusIV_31 (A2), Trooper_31 (A2),

Start 55:

- Found in 32 of 577 (5.5%) of genes in pham
- No Manual Annotations of this start.
- Called 6.2% of time when present

- Phage (with cluster) where this start called: EdogawaKiddo_31 (A9), Sachima_31 (A9),

Start 68:

- Found in 12 of 577 (2.1%) of genes in pham
- Manual Annotations of this start: 11 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amgine_25 (K6), Amohnition_26 (K6), Applecrisp_25 (K6), DarthP_26 (K6), Ekdilam_24 (K6), Ellie_24 (K6), Fefferhead_26 (K6), Hammy_26 (K6), Lavahound_25 (K6), November_25 (K6), Pharb_26 (K3), Yuna_28 (K6),

Start 90:

- Found in 6 of 577 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 510
- Called 66.7% of time when present
- Phage (with cluster) where this start called: 8UZL_24 (AB), FF47_24 (AB), Maco6_22 (AB), Muddy_24 (AB),

Start 222:

- Found in 33 of 577 (5.7%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 3.0% of time when present
- Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 223:

- Found in 49 of 577 (8.5%) of genes in pham
- Manual Annotations of this start: 32 of 510
- Called 85.7% of time when present
- Phage (with cluster) where this start called: B1_29 (A3), BabyJohn_30 (A3), BabyRay_31 (A3), BlueBird_32 (A3), Bugatti_31 (A3), Caviar_32 (A3), Chiqui_30 (A3), Clammy_31 (A3), DropBear_31 (A3), EtoileNova_32 (A3), Fred313_31 (A3), Giroux_32 (A3), Heathen_31 (A3), HelDan_31 (A3), Hookmount_32 (A3), Idleandcovert_31 (A3), Isca_31 (A3), JF2_31 (A3), JF4_31 (A3), Kachowdy_31 (A3), Lambert1_32 (A3), MA5_31 (A3), MK4_31 (A3), Marchesa_31 (A3), Margo_32 (A3), Noella_32 (A3), Norbert_31 (A3), Panamaxus_31 (A3), Pistachio_32 (A3), Pocahontas_32 (A3), Popcicle_32 (A3), Puppy_32 (A3), QuinnKiro_31 (A3), ResDef_32 (A3), Rockstar_31 (A3), SaturnRing_31 (A3), Scout_31 (A3), TNguyen7_31 (A3), Texage_31 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Zarafa_31 (A3),

Start 230:

- Found in 146 of 577 (25.3%) of genes in pham
- Manual Annotations of this start: 141 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_31 (A4), Abdiel_30 (A4), Achebe_30 (A4), Albee_31 (A4), Alberto7_32 (A4), Annyong_31 (A4), Arturo_30 (A4), AvatarAhPeg_32 (A4), Avle17_31 (A4), Baby16_31 (A4), Backyardigan_31 (A4), Badger_31 (A4), BangNhom_31 (A4), Bartimeaus_31 (A4), BellusTerra_31 (A4), Blackmoor_31 (A4), Bombshell_31 (A4), Broseidon_31 (A4), Bruiser_30 (A4), BubbleTrouble_31 (A4), Bumblebee11_31 (A4), Burger_30 (A4), Caelakin_31 (A4), Camperdownii_30 (A4), CentreCat_31 (A4), Cerulean_32 (A4), ChampagnePapi_32 (A4), Chaph_31 (A4), Cici_31 (A4), Cindaradix_30 (A4), Cintron_31 (A4), Citius_31

(A4), Clarenza_31 (A4), Cocoaberry_31 (A4), Commander_31 (A4), Connomayer_31 (A4), Datway_31 (A4), Deano_31 (A4), Dhanush_31 (A4), DirtyDunning_31 (A4), Druantia_31 (A4), Eagle_30 (A4), Eapen_31 (A4), Eris_30 (A4), Eros_31 (A4), Eurydice_31 (A4), Florean_31 (A4), Flux_31 (A4), Funston_31 (A4), Gadost_31 (A4), HamSlice_30 (A4), Happiness_31 (A4), Holli_31 (A4), Houdini22_31 (A4), Huxley_31 (A4), ICleared_31 (A4), Iceman_32 (A4), Iracema64_32 (A4), Jaykayelowell_31 (A4), JetBlade_31 (A4), JoongJeon_31 (A4), KFPoly_31 (A4), Kampy_31 (A4), Katalie136_31 (A4), KekoraPapaka_30 (A4), Kingmustik0402_31 (A4), Koan_31 (A4), Koreni_30 (A4), Kratark_31 (A4), Kremtemulon_31 (A4), Kyee_31 (A4), LHTSCC_32 (A4), LappelDuVide_31 (A4), Lemur_31 (A4), LeoAvram_31 (A4), LittleB_31 (A4), LittleGuy_31 (A4), LochMonster_31 (A4), Lorenzo_31 (A4), Lunsford_32 (A4), Maverick_31 (A4), Maxo_31 (A4), Mayonnaise_31 (A4), Mazhar510_31 (A4), Medusa_31 (A4), MeeZee_31 (A4), Melvin_31 (A4), Millski_30 (A4), Miramae_31 (A4), Morpher26_31 (A4), Morrow_31 (A4), Mundrea_31 (A4), MyraDee_29 (A18), Nebs_31 (A4), Nemo27_31 (A4), Noelle_31 (A4), NorthStar_31 (A4), NotAPhaseMom_31 (A4), Nyxis_31 (A4), OKaNui_32 (A4), Obama12_32 (A4), Ohfah_31 (A4), Palestino_30 (A4), Peaches_31 (A4), Perplexer_31 (A4), PeterPeter_31 (A4), PetiteSangsue_31 (A4), Phacado_31 (A4), Phelipe_31 (A4), Phighter1804_31 (A4), Phontbonne_31 (A4), Pipcraft_31 (A4), Polymorphads_31 (A4), Pumbaa_31 (A4), Relief_31 (A4), RockieBear_30 (A4), Romney_31 (A4), Roosevelt_31 (A4), Rosa24_30 (A4), Ruin_31 (A4), Sabertooth_31 (A4), Scamp_31 (A4), SenorClean_31 (A4), Shaka_31 (A4), SheldonCooper_32 (A4), Shygu2_31 (A4), Skipitt_31 (A4), Sparxx_31 (A4), Spino_31 (A4), SteMason_30 (A4), Stink_32 (A4), Sultana_31 (A4), Taquarus_31 (A4), Thanksgivukkah_31 (A4), TinaFeyge_31 (A4), Tinybot_30 (A4), TiroTheta9_31 (A4), TroyPia_31 (A4), TygerBlood_31 (A4), Ulysses_30 (A4), Wander_31 (A4), Wilbur_31 (A4), Wile_31 (A4), Wizard007_31 (A4), Xena_31 (A4), YoSam321_31 (A4),

Start 240:

- Found in 1 of 577 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 510
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pukovnik_33 (A2),

Start 266:

- Found in 71 of 577 (12.3%) of genes in pham
- Manual Annotations of this start: 65 of 510
- Called 97.2% of time when present
- Phage (with cluster) where this start called: Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), Beauxregard13_33 (A3), Bigflo_33 (A3), BreSam8_33 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Colbster_33 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), EpicPhail_33 (A3), Farber_33 (A3), Fernando_33 (A3), GingkoMaracino_33 (A3), Grif_33 (A3), Grub_33 (A3), Grum1_33 (A3), GtownJaz_33 (A3), Gwennie_32 (A3), HashRod_34 (A3), Hercules11_33 (A3), JHC117_33 (A3), JenCasNa_33 (A3), KADY_34 (A3), LBerry_33 (A3), LarryKay_33 (A3), Lilith_33 (A3), Louie6_33 (A3), Lowa_33 (A3), LugYA_35 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), MarQuardt_33 (A3), Marie_33 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), Montavir_32 (A3), MuchMore_35 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Pembroke_33 (A3), Penny1_33 (A3), Phoebe_33 (A3), Phoxy_33 (A3), PotatoSplit_34 (A3), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), Snickers_33 (A3), SoYo_33 (A3), Soshari_35 (A3), Spike509_33 (A3), Stagni_33 (A3), StepMih_33 (A3), Taurus_33

(A3), Tiffany_33 (A3), TinyPebbles_33 (A3), Vix_33 (A3), Watson_33 (A3), Wooldri_35 (A3), Zetzy_32 (A3),

Summary by clusters:

There are 26 clusters represented in this pham: K4, K3, K2, K1, AB, B13, B10, B11, A14, A17, A10, A18, A3, A2, A4, A9, P1, AG, N, L3, Y, F3, B7, B8, B9, K6,

Info for manual annotations of cluster A10:

- Start number 48 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A14:

- Start number 21 was manually annotated 2 times for cluster A14.
- Start number 23 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:

- Start number 230 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 23 was manually annotated 3 times for cluster A2.
- Start number 48 was manually annotated 7 times for cluster A2.
- Start number 52 was manually annotated 2 times for cluster A2.
- Start number 53 was manually annotated 32 times for cluster A2.
- Start number 54 was manually annotated 29 times for cluster A2.
- Start number 240 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A3:

- Start number 45 was manually annotated 18 times for cluster A3.
- Start number 222 was manually annotated 1 time for cluster A3.
- Start number 223 was manually annotated 32 times for cluster A3.
- Start number 266 was manually annotated 65 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 48 was manually annotated 1 time for cluster A4.
- Start number 230 was manually annotated 140 times for cluster A4.

Info for manual annotations of cluster A9:

- Start number 21 was manually annotated 1 time for cluster A9.
- Start number 24 was manually annotated 2 times for cluster A9.
- Start number 51 was manually annotated 26 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 90 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AG:

- Start number 33 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster B10:

- Start number 24 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 22 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B13:

- Start number 24 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B7:

- Start number 24 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 24 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 21 was manually annotated 2 times for cluster B9.
- Start number 23 was manually annotated 1 time for cluster B9.
- Start number 24 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster F3:

- Start number 7 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster K1:

- Start number 37 was manually annotated 14 times for cluster K1.
- Start number 39 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:

- Start number 23 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 23 was manually annotated 8 times for cluster K3.
- Start number 68 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K4:

- Start number 37 was manually annotated 17 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 23 was manually annotated 12 times for cluster K6.
- Start number 68 was manually annotated 10 times for cluster K6.

Info for manual annotations of cluster L3:

- Start number 18 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster N:

- Start number 8 was manually annotated 7 times for cluster N.

Info for manual annotations of cluster P1:

- Start number 8 was manually annotated 10 times for cluster P1.

Info for manual annotations of cluster Y:

- Start number 17 was manually annotated 5 times for cluster Y.

Gene Information:

Gene: 20ES_31 Start: 22797, Stop: 25202, Start Num: 54

Candidate Starts for 20ES_31:

(Start: 54 @22797 has 29 MA's), (60, 22818), (97, 22908), (100, 22917), (109, 22938), (132, 23001), (142, 23037), (170, 23118), (189, 23187), (197, 23208), (200, 23217), (239, 23328), (245, 23349), (280, 23439), (287, 23454), (331, 23574), (345, 23607), (349, 23616), (381, 23715), (387, 23742), (441, 23955), (464, 24045), (467, 24063), (473, 24087), (512, 24288), (522, 24327), (527, 24348), (539, 24384), (548, 24417), (553, 24438), (561, 24474), (580, 24528), (590, 24579), (594, 24600), (617, 24705), (622, 24720), (675, 24930), (712, 24999), (785, 25170), (787, 25179), (788, 25185),

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 54

Candidate Starts for 40AC_34:

(Start: 54 @24978 has 29 MA's), (60, 24999), (100, 25098), (102, 25104), (111, 25131), (123, 25167), (132, 25188), (142, 25224), (145, 25236), (151, 25248), (183, 25350), (263, 25371), (292, 25425), (295, 25437), (441, 25503), (464, 25593), (467, 25611), (473, 25635), (496, 25770), (512, 25836), (522, 25875), (548, 25965), (561, 26022), (583, 26088), (593, 26145), (631, 26307), (663, 26445), (666, 26469), (705, 26547), (711, 26559), (746, 26622), (753, 26640), (788, 26745),

Gene: 8UZL_24 Start: 19399, Stop: 21717, Start Num: 90

Candidate Starts for 8UZL_24:

(Start: 90 @19399 has 2 MA's), (155, 19600), (171, 19645), (176, 19657), (206, 19768), (225, 19834), (281, 19975), (329, 20107), (349, 20146), (354, 20158), (365, 20197), (373, 20215), (383, 20251), (406, 20311), (424, 20386), (434, 20413), (447, 20476), (463, 20533), (500, 20728), (517, 20797), (520, 20815), (521, 20821), (522, 20824), (523, 20827), (530, 20851), (554, 20944), (556, 20950), (582, 21028), (591, 21076), (592, 21079), (607, 21157), (622, 21223), (625, 21235), (639, 21298), (644, 21319), (649, 21340), (662, 21397), (665, 21418), (685, 21457), (703, 21499), (722, 21532), (725, 21538), (731, 21553), (765, 21637),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 45

Candidate Starts for ACFishhook_33:

(Start: 45 @23442 has 18 MA's), (97, 23577), (119, 23643), (135, 23688), (136, 23691), (183, 23838), (270, 23883), (292, 23913), (464, 24081), (467, 24099), (473, 24123), (502, 24285), (512, 24324), (522, 24363), (548, 24453), (590, 24615), (594, 24636), (613, 24723), (627, 24780), (631, 24795), (645, 24858), (663, 24933), (665, 24954), (711, 25047), (732, 25086), (753, 25128), (787, 25227),

Gene: AbbyPaige_33 Start: 23268, Stop: 25358, Start Num: 53

Candidate Starts for AbbyPaige_33:

(Start: 53 @23268 has 32 MA's), (97, 23382), (100, 23391), (102, 23397), (132, 23481), (145, 23529), (178, 23619), (183, 23643), (200, 23697), (280, 23808), (331, 23943), (464, 24180), (467, 24198), (473, 24222), (491, 24330), (505, 24393), (512, 24423), (522, 24462), (548, 24552), (561, 24609), (562, 24612), (582, 24669), (590, 24714), (594, 24735), (634, 24912), (635, 24924), (644, 24951), (666, 25056), (713, 25146), (767, 25269), (774, 25281), (781, 25305), (788, 25335), (792, 25350),

Gene: AbbysRanger_31 Start: 22986, Stop: 24845, Start Num: 230

Candidate Starts for AbbysRanger_31:

(208, 22926), (Start: 230 @22986 has 141 MA's), (260, 23052), (279, 23097), (282, 23103), (296, 23136), (304, 23154), (319, 23199), (321, 23205), (325, 23211), (362, 23304), (368, 23319), (392, 23391), (413, 23451), (424, 23502), (427, 23514), (447, 23592), (465, 23661), (487, 23784), (492, 23808), (509, 23889), (520, 23934), (522, 23943), (523, 23946), (556, 24075), (559, 24084), (574, 24126), (582, 24153), (588, 24189), (593, 24216), (597, 24228), (630, 24384), (670, 24558), (674, 24564), (696, 24609), (723, 24660), (725, 24663), (741, 24699), (757, 24735),

Gene: Abdiel_30 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Abdiel_30:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (670, 24526), (674, 24532), (696, 24577), (711, 24610), (723, 24628), (725, 24631), (741, 24667), (757, 24703),

Gene: Achebe_30 Start: 22969, Stop: 24828, Start Num: 230

Candidate Starts for Achebe_30:

(208, 22909), (Start: 230 @22969 has 141 MA's), (260, 23035), (279, 23080), (282, 23086), (296, 23119), (304, 23137), (319, 23182), (321, 23188), (325, 23194), (362, 23287), (368, 23302), (392, 23374), (413, 23434), (424, 23485), (427, 23497), (447, 23575), (465, 23644), (487, 23767), (492, 23791), (509, 23872), (520, 23917), (522, 23926), (523, 23929), (556, 24058), (559, 24067), (574, 24109), (582, 24136), (588, 24172), (593, 24199), (597, 24211), (630, 24367), (670, 24541), (674, 24547), (696, 24592), (723, 24643), (725, 24646), (741, 24682), (757, 24718),

Gene: Agape74_33 Start: 23244, Stop: 25334, Start Num: 53

Candidate Starts for Agape74_33:

(Start: 53 @23244 has 32 MA's), (97, 23358), (100, 23367), (102, 23373), (132, 23457), (145, 23505), (178, 23595), (183, 23619), (200, 23673), (280, 23784), (331, 23919), (464, 24156), (467, 24174), (473, 24198), (491, 24306), (505, 24369), (512, 24399), (522, 24438), (548, 24528), (561, 24585), (562, 24588), (582, 24645), (590, 24690), (594, 24711), (634, 24888), (635, 24900), (644, 24927), (666, 25032), (713, 25122), (767, 25245), (774, 25257), (781, 25281), (788, 25311), (792, 25326),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for Aglet_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 266

Candidate Starts for AgronaGT15_33:

(Start: 266 @23185 has 65 MA's), (320, 23320), (348, 23386), (362, 23431), (379, 23467), (414, 23578), (420, 23599), (429, 23635), (435, 23656), (464, 23773), (489, 23911), (508, 24007), (509, 24010), (528, 24079), (537, 24103), (551, 24148), (561, 24196), (583, 24262), (618, 24433), (620, 24439), (632, 24490), (643, 24535), (651, 24565), (663, 24613), (674, 24655), (682, 24670), (685, 24673), (696, 24697), (747, 24799), (749, 24802), (757, 24826),

Gene: Albee_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Albee_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Alberto7_32 Start: 23262, Stop: 25118, Start Num: 230

Candidate Starts for Alberto7_32:

(Start: 230 @23262 has 141 MA's), (285, 23388), (296, 23412), (340, 23517), (342, 23523), (359, 23571), (362, 23580), (378, 23622), (392, 23667), (395, 23673), (424, 23778), (427, 23790), (447, 23868), (465, 23937), (509, 24165), (516, 24189), (517, 24192), (522, 24219), (523, 24222), (552, 24327), (556, 24348), (559, 24357), (588, 24462), (597, 24501), (605, 24546), (641, 24708), (643,

24714), (670, 24831), (674, 24837), (696, 24882), (723, 24933), (725, 24936), (754, 24999), (757, 25008), (787, 25095),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 51

Candidate Starts for Aliter_33:

(Start: 51 @24305 has 26 MA's), (55, 24317), (119, 24491), (151, 24581), (171, 24626), (175, 24635), (280, 24713), (293, 24737), (305, 24773), (464, 24902), (467, 24920), (512, 25145), (519, 25166), (522, 25184), (548, 25274), (561, 25331), (593, 25454), (622, 25577), (631, 25616), (643, 25673), (663, 25754), (665, 25775), (666, 25778), (711, 25868), (760, 25979), (788, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 51

Candidate Starts for Alma_33:

(Start: 51 @24420 has 26 MA's), (119, 24606), (151, 24696), (171, 24741), (175, 24750), (293, 24852), (305, 24888), (464, 25017), (467, 25035), (512, 25260), (519, 25281), (522, 25299), (548, 25389), (561, 25446), (593, 25569), (622, 25692), (627, 25716), (631, 25731), (663, 25869), (665, 25890), (666, 25893), (667, 25899), (711, 25983), (776, 26133), (788, 26169),

Gene: Amelie_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Amelie_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: Amgine_25 Start: 20975, Stop: 23359, Start Num: 68

Candidate Starts for Amgine_25:

(Start: 68 @20975 has 11 MA's), (82, 21005), (88, 21023), (115, 21107), (177, 21281), (216, 21413), (245, 21503), (264, 21545), (284, 21596), (302, 21638), (303, 21641), (323, 21698), (332, 21722), (335, 21728), (351, 21767), (368, 21824), (400, 21920), (429, 22037), (447, 22106), (460, 22145), (463, 22163), (465, 22175), (491, 22319), (521, 22454), (522, 22457), (523, 22460), (533, 22499), (548, 22553), (587, 22694), (588, 22700), (592, 22715), (593, 22727), (600, 22757), (617, 22844), (619, 22850), (653, 23000), (667, 23063), (679, 23090), (687, 23099), (745, 23201), (753, 23222), (754, 23225), (789, 23333),

Gene: Amohnition_26 Start: 21373, Stop: 23781, Start Num: 68

Candidate Starts for Amohnition_26:

(Start: 68 @21373 has 11 MA's), (70, 21382), (88, 21421), (130, 21544), (146, 21601), (152, 21613), (177, 21679), (180, 21688), (190, 21733), (216, 21811), (245, 21901), (248, 21907), (264, 21943), (284, 21994), (302, 22036), (303, 22039), (311, 22060), (332, 22120), (335, 22126), (400, 22318), (429, 22435), (447, 22504), (460, 22543), (463, 22561), (465, 22573), (491, 22717), (521, 22852), (523, 22858), (533, 22897), (548, 22951), (561, 23005), (587, 23092), (588, 23098), (592, 23113), (593, 23125), (600, 23155), (617, 23242), (619, 23248), (653, 23398), (665, 23452), (748, 23611), (753, 23626), (754, 23629), (789, 23755),

Gene: Andies_20 Start: 17553, Stop: 20192, Start Num: 8

Candidate Starts for Andies_20:

(6, 17541), (Start: 8 @17553 has 17 MA's), (10, 17565), (11, 17577), (16, 17631), (30, 17700), (31, 17703), (Start: 33 @17712 has 1 MA's), (36, 17727), (103, 17904), (137, 17985), (140, 17994), (160, 18051), (165, 18066), (182, 18117), (202, 18189), (214, 18219), (Start: 222 @18255 has 1 MA's), (247,

18318), (254, 18333), (268, 18360), (271, 18366), (299, 18441), (306, 18465), (309, 18471), (327, 18525), (330, 18531), (362, 18618), (405, 18750), (413, 18768), (421, 18801), (429, 18828), (442, 18879), (483, 19089), (496, 19155), (504, 19191), (526, 19290), (528, 19302), (546, 19365), (588, 19527), (592, 19542), (602, 19593), (627, 19710), (635, 19755), (647, 19797), (654, 19833), (666, 19887), (691, 19935), (760, 20079), (779, 20136), (788, 20175), (791, 20184),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 54

Candidate Starts for AnnaL29_35:

(Start: 54 @25114 has 29 MA's), (97, 25225), (100, 25234), (132, 25321), (142, 25357), (145, 25369), (151, 25381), (270, 25528), (280, 25537), (292, 25558), (295, 25570), (464, 25726), (467, 25744), (491, 25876), (512, 25969), (522, 26008), (539, 26065), (548, 26098), (561, 26155), (580, 26209), (593, 26278), (622, 26401), (631, 26440), (637, 26470), (663, 26575), (665, 26596), (666, 26599), (711, 26689), (753, 26770), (774, 26830),

Gene: Annyong_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for Annyong_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (362, 23279), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (556, 24047), (559, 24056), (588, 24161), (597, 24200), (605, 24245), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: Anselm_31 Start: 22873, Stop: 25074, Start Num: 54

Candidate Starts for Anselm_31:

(Start: 54 @22873 has 29 MA's), (60, 22894), (100, 22993), (122, 23056), (132, 23083), (142, 23119), (178, 23221), (181, 23233), (200, 23299), (280, 23410), (330, 23542), (331, 23545), (464, 23899), (467, 23917), (473, 23941), (512, 24142), (522, 24181), (548, 24271), (561, 24328), (582, 24388), (590, 24433), (594, 24454), (617, 24559), (622, 24574), (635, 24643), (644, 24670), (653, 24715), (666, 24775), (677, 24799), (757, 24949), (774, 24997), (781, 25021),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 266

Candidate Starts for Anubis_35:

(Start: 266 @23163 has 65 MA's), (320, 23298), (348, 23364), (362, 23409), (379, 23445), (420, 23577), (429, 23613), (435, 23634), (449, 23691), (464, 23751), (476, 23805), (484, 23865), (508, 23985), (509, 23988), (528, 24057), (537, 24081), (561, 24174), (568, 24195), (583, 24240), (655, 24570), (674, 24639), (705, 24702), (778, 24873),

Gene: Applecrisp_25 Start: 21389, Stop: 23770, Start Num: 68

Candidate Starts for Applecrisp_25:

(Start: 68 @21389 has 11 MA's), (82, 21419), (88, 21437), (115, 21521), (177, 21695), (216, 21827), (245, 21917), (264, 21959), (284, 22010), (302, 22052), (303, 22055), (323, 22112), (332, 22136), (335, 22142), (351, 22181), (368, 22238), (400, 22334), (429, 22451), (447, 22520), (460, 22559), (463, 22577), (465, 22589), (491, 22733), (521, 22868), (522, 22871), (523, 22874), (533, 22913), (548, 22967), (587, 23105), (588, 23111), (592, 23126), (593, 23138), (600, 23168), (617, 23255), (619, 23261), (644, 23366), (650, 23390), (653, 23411), (667, 23474), (753, 23633), (754, 23636), (789, 23744),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 54

Candidate Starts for ArcherNM_34:

(Start: 54 @25064 has 29 MA's), (60, 25085), (97, 25175), (100, 25184), (132, 25271), (142, 25307), (145, 25319), (151, 25331), (280, 25487), (292, 25508), (295, 25520), (441, 25586), (464, 25676), (467, 25694), (473, 25718), (499, 25862), (512, 25919), (522, 25958), (539, 26015), (548, 26048),

(561, 26105), (580, 26159), (593, 26228), (622, 26351), (627, 26375), (631, 26390), (663, 26525), (665, 26546), (711, 26639), (753, 26720), (774, 26780), (788, 26825),

Gene: Arissanae_31 Start: 22459, Stop: 24807, Start Num: 24

Candidate Starts for Arissanae_31:

(Start: 21 @22453 has 5 MA's), (Start: 24 @22459 has 8 MA's), (Start: 52 @22558 has 2 MA's), (61, 22591), (94, 22666), (117, 22726), (163, 22816), (197, 22918), (203, 22945), (217, 22981), (244, 23050), (328, 23266), (346, 23308), (380, 23398), (386, 23425), (446, 23572), (449, 23590), (473, 23674), (475, 23683), (477, 23689), (508, 23869), (526, 23929), (540, 23977), (546, 23989), (590, 24169), (593, 24187), (602, 24226), (608, 24256), (618, 24301), (627, 24337), (628, 24340), (642, 24403), (685, 24547), (716, 24613), (766, 24727), (784, 24772), (787, 24784),

Gene: Arturo_30 Start: 23069, Stop: 24925, Start Num: 230

Candidate Starts for Arturo_30:

(Start: 230 @23069 has 141 MA's), (285, 23195), (296, 23219), (340, 23324), (342, 23330), (359, 23378), (362, 23387), (378, 23429), (392, 23474), (395, 23480), (424, 23585), (427, 23597), (444, 23660), (447, 23675), (465, 23744), (509, 23972), (516, 23996), (517, 23999), (522, 24026), (523, 24029), (552, 24134), (556, 24155), (559, 24164), (588, 24269), (597, 24308), (605, 24353), (627, 24452), (670, 24638), (674, 24644), (696, 24689), (723, 24740), (725, 24743), (754, 24806), (757, 24815), (787, 24902),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for AugsMagnumOpus_35:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: AuntGwenStacy_27 Start: 23429, Stop: 26023, Start Num: 17

Candidate Starts for AuntGwenStacy_27:

(Start: 17 @23429 has 5 MA's), (20, 23468), (41, 23543), (74, 23645), (77, 23654), (107, 23732), (137, 23813), (140, 23822), (155, 23867), (156, 23870), (160, 23879), (164, 23891), (165, 23894), (174, 23918), (182, 23945), (183, 23954), (202, 24017), (Start: 222 @24083 has 1 MA's), (237, 24119), (238, 24122), (271, 24194), (275, 24200), (299, 24269), (327, 24353), (358, 24434), (364, 24455), (421, 24629), (429, 24656), (442, 24707), (452, 24752), (464, 24803), (465, 24812), (480, 24890), (502, 25013), (503, 25016), (504, 25019), (528, 25130), (546, 25193), (558, 25241), (584, 25328), (588, 25355), (590, 25364), (592, 25370), (602, 25421), (627, 25538), (628, 25541), (647, 25625), (654, 25661), (663, 25691), (666, 25715), (691, 25766), (694, 25772), (698, 25778), (752, 25880), (761, 25916), (788, 26006), (791, 26015),

Gene: AvatarAhPeg_32 Start: 23239, Stop: 25098, Start Num: 230

Candidate Starts for AvatarAhPeg_32:

(Start: 230 @23239 has 141 MA's), (260, 23305), (296, 23389), (304, 23407), (319, 23452), (342, 23500), (362, 23557), (378, 23599), (395, 23650), (404, 23671), (413, 23704), (424, 23755), (427, 23767), (441, 23821), (447, 23845), (465, 23914), (509, 24142), (517, 24169), (522, 24196), (523, 24199), (552, 24307), (556, 24328), (559, 24337), (582, 24406), (588, 24442), (597, 24481), (611, 24550), (641, 24688), (670, 24811), (674, 24817), (754, 24979), (757, 24988),

Gene: Avle17_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Avle17_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552,

24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Ayanochan_34 Start: 24410, Stop: 26176, Start Num: 51

Candidate Starts for Ayanochan_34:

(Start: 51 @24410 has 26 MA's), (119, 24596), (151, 24686), (171, 24731), (175, 24740), (280, 24818), (293, 24842), (305, 24878), (464, 25007), (467, 25025), (512, 25250), (519, 25271), (522, 25289), (548, 25379), (561, 25436), (593, 25559), (622, 25682), (631, 25721), (643, 25778), (663, 25859), (665, 25880), (666, 25883), (703, 25958), (711, 25973), (760, 26084), (788, 26159),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 223

Candidate Starts for B1_29:

(Start: 223 @22527 has 32 MA's), (282, 22653), (289, 22671), (297, 22686), (317, 22728), (341, 22791), (394, 22944), (396, 22947), (404, 22968), (411, 22995), (429, 23070), (443, 23121), (464, 23208), (473, 23250), (522, 23490), (539, 23547), (548, 23580), (575, 23673), (582, 23697), (602, 23802), (617, 23868), (622, 23883), (660, 24054), (705, 24159), (735, 24213), (755, 24252), (774, 24306), (781, 24333), (787, 24357),

Gene: Baby16_31 Start: 22969, Stop: 24825, Start Num: 230

Candidate Starts for Baby16_31:

(Start: 230 @22969 has 141 MA's), (285, 23095), (296, 23119), (340, 23224), (342, 23230), (359, 23278), (362, 23287), (378, 23329), (392, 23374), (395, 23380), (424, 23485), (427, 23497), (447, 23575), (465, 23644), (509, 23872), (516, 23896), (517, 23899), (522, 23926), (523, 23929), (552, 24034), (559, 24064), (562, 24079), (588, 24169), (597, 24208), (605, 24253), (643, 24421), (670, 24538), (674, 24544), (696, 24589), (723, 24640), (725, 24643), (754, 24706), (757, 24715), (787, 24802),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 54

Candidate Starts for BabyBack_33:

(Start: 54 @24351 has 29 MA's), (60, 24372), (97, 24462), (100, 24471), (102, 24477), (145, 24609), (151, 24621), (177, 24696), (295, 24810), (464, 24966), (467, 24984), (473, 25008), (493, 25122), (512, 25209), (522, 25248), (548, 25338), (553, 25359), (580, 25449), (590, 25500), (594, 25521), (627, 25665), (631, 25680), (663, 25815), (665, 25836), (675, 25857), (696, 25896), (703, 25914), (711, 25929), (732, 25968), (753, 26010), (760, 26040), (764, 26052), (787, 26109),

Gene: BabyJohn_30 Start: 23109, Stop: 24968, Start Num: 223

Candidate Starts for BabyJohn_30:

(Start: 223 @23109 has 32 MA's), (289, 23253), (317, 23310), (396, 23529), (403, 23547), (404, 23550), (411, 23577), (427, 23646), (429, 23652), (464, 23790), (467, 23808), (473, 23832), (522, 24072), (548, 24162), (593, 24342), (602, 24384), (617, 24450), (622, 24465), (660, 24636), (666, 24666), (735, 24795), (774, 24888), (781, 24915), (787, 24939), (788, 24945),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 223

Candidate Starts for BabyRay_31:

(Start: 223 @23087 has 32 MA's), (289, 23231), (297, 23246), (317, 23288), (341, 23351), (384, 23483), (396, 23507), (404, 23528), (411, 23555), (429, 23630), (464, 23768), (467, 23786), (468, 23789), (473, 23810), (522, 24050), (548, 24140), (575, 24233), (582, 24257), (602, 24362), (617, 24428), (622, 24443), (631, 24482), (660, 24614), (705, 24719), (735, 24773), (755, 24812), (774, 24866), (781, 24893), (787, 24917),

Gene: Backyardigan_31 Start: 22981, Stop: 24840, Start Num: 230

Candidate Starts for Backyardigan_31:

(208, 22921), (Start: 230 @22981 has 141 MA's), (260, 23047), (279, 23092), (282, 23098), (296, 23131), (304, 23149), (319, 23194), (321, 23200), (325, 23206), (362, 23299), (368, 23314), (392, 23386), (413, 23446), (424, 23497), (427, 23509), (447, 23587), (465, 23656), (487, 23779), (492, 23803), (509, 23884), (520, 23929), (522, 23938), (523, 23941), (556, 24070), (559, 24079), (574, 24121), (582, 24148), (588, 24184), (593, 24211), (597, 24223), (630, 24379), (670, 24553), (674, 24559), (696, 24604), (723, 24655), (725, 24658), (741, 24694), (757, 24730),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 48

Candidate Starts for Bactobuster_33:

(36, 24824), (Start: 48 @24863 has 25 MA's), (97, 24974), (100, 24983), (122, 25040), (132, 25067), (162, 25160), (270, 25274), (292, 25304), (458, 25439), (464, 25472), (467, 25490), (473, 25514), (493, 25628), (502, 25676), (512, 25715), (522, 25754), (526, 25766), (539, 25811), (590, 26006), (594, 26027), (615, 26120), (631, 26186), (648, 26258), (663, 26321), (703, 26420), (711, 26435), (753, 26516), (774, 26576), (788, 26621),

Gene: Badger_31 Start: 22970, Stop: 24829, Start Num: 230

Candidate Starts for Badger_31:

(208, 22910), (Start: 230 @22970 has 141 MA's), (260, 23036), (279, 23081), (282, 23087), (296, 23120), (304, 23138), (319, 23183), (321, 23189), (325, 23195), (362, 23288), (368, 23303), (392, 23375), (413, 23435), (424, 23486), (427, 23498), (447, 23576), (465, 23645), (487, 23768), (492, 23792), (509, 23873), (520, 23918), (522, 23927), (523, 23930), (556, 24059), (559, 24068), (574, 24110), (582, 24137), (588, 24173), (593, 24200), (597, 24212), (630, 24368), (670, 24542), (674, 24548), (696, 24593), (723, 24644), (725, 24647), (741, 24683), (757, 24719),

Gene: Baehexic_32 Start: 23237, Stop: 25444, Start Num: 53

Candidate Starts for Baehexic_32:

(Start: 53 @23237 has 32 MA's), (97, 23351), (100, 23360), (102, 23366), (109, 23387), (122, 23423), (145, 23498), (178, 23588), (181, 23600), (280, 23777), (296, 23816), (331, 23912), (429, 24125), (441, 24173), (464, 24263), (470, 24293), (473, 24305), (522, 24545), (548, 24644), (553, 24665), (580, 24755), (582, 24761), (583, 24767), (590, 24806), (594, 24827), (601, 24863), (602, 24866), (617, 24932), (666, 25148), (692, 25196), (729, 25259), (757, 25319), (774, 25367), (788, 25421),

Gene: BangNhom_31 Start: 23274, Stop: 25130, Start Num: 230

Candidate Starts for BangNhom_31:

(Start: 230 @23274 has 141 MA's), (285, 23400), (296, 23424), (340, 23529), (342, 23535), (359, 23583), (378, 23634), (395, 23685), (424, 23790), (427, 23802), (447, 23880), (465, 23949), (495, 24117), (504, 24147), (509, 24177), (516, 24201), (517, 24204), (522, 24231), (523, 24234), (552, 24339), (556, 24360), (559, 24369), (597, 24513), (605, 24558), (641, 24720), (670, 24843), (696, 24894), (754, 25011), (757, 25020), (787, 25107),

Gene: Bartimeaus_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Bartimeaus_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for Beauxregard13_33:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508,

24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 51

Candidate Starts for Beemo_33:

(Start: 51 @24411 has 26 MA's), (55, 24423), (119, 24597), (151, 24687), (171, 24732), (175, 24741), (280, 24819), (293, 24843), (305, 24879), (464, 25008), (467, 25026), (512, 25251), (519, 25272), (522, 25290), (548, 25380), (561, 25437), (593, 25560), (622, 25683), (631, 25722), (643, 25779), (663, 25860), (665, 25881), (666, 25884), (703, 25959), (711, 25974), (760, 26085), (788, 26160),

Gene: Bellis_21 Start: 19726, Stop: 22239, Start Num: 18

Candidate Starts for Bellis_21:

(Start: 18 @19726 has 19 MA's), (29, 19789), (50, 19861), (82, 19951), (84, 19957), (108, 20029), (184, 20221), (187, 20233), (194, 20251), (204, 20290), (217, 20320), (233, 20377), (253, 20407), (256, 20413), (276, 20467), (278, 20473), (339, 20620), (340, 20623), (343, 20632), (351, 20650), (370, 20710), (374, 20719), (377, 20731), (390, 20782), (391, 20785), (436, 20950), (449, 21007), (469, 21091), (473, 21109), (475, 21118), (484, 21181), (508, 21301), (521, 21346), (526, 21361), (531, 21379), (540, 21409), (562, 21499), (585, 21568), (590, 21601), (594, 21622), (602, 21658), (610, 21694), (620, 21739), (626, 21763), (627, 21769), (631, 21784), (634, 21802), (642, 21835), (654, 21889), (660, 21913), (669, 21949), (671, 21955), (685, 21979), (759, 22144), (761, 22153), (766, 22159),

Gene: BellusTerra_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for BellusTerra_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (602, 24223), (605, 24241), (627, 24340), (670, 24526), (696, 24577), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: BengiVuitton_32 Start: 23191, Stop: 25377, Start Num: 54

Candidate Starts for BengiVuitton_32:

(Start: 54 @23191 has 29 MA's), (60, 23212), (97, 23302), (109, 23332), (132, 23395), (142, 23431), (161, 23485), (189, 23581), (200, 23611), (245, 23743), (280, 23833), (287, 23848), (331, 23968), (345, 24001), (349, 24010), (464, 24205), (467, 24223), (512, 24451), (522, 24490), (539, 24547), (548, 24580), (553, 24601), (561, 24637), (582, 24697), (590, 24742), (594, 24763), (597, 24772), (622, 24883), (627, 24907), (631, 24922), (632, 24928), (663, 25060), (680, 25114), (706, 25162), (712, 25174), (732, 25213), (787, 25354), (789, 25363),

Gene: Benvolio_31 Start: 22854, Stop: 25181, Start Num: 53

Candidate Starts for Benvolio_31:

(Start: 53 @22854 has 32 MA's), (60, 22878), (100, 22977), (102, 22983), (111, 23010), (132, 23067), (142, 23103), (161, 23157), (170, 23184), (178, 23205), (183, 23229), (200, 23283), (280, 23394), (331, 23529), (345, 23562), (402, 23748), (464, 24000), (467, 24018), (473, 24042), (512, 24243), (522, 24282), (548, 24372), (561, 24429), (582, 24489), (590, 24534), (594, 24555), (622, 24675), (627, 24699), (635, 24744), (644, 24777), (695, 24933), (753, 25044), (774, 25104), (788, 25158), (791, 25167),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 48

Candidate Starts for BiancaTri92_33:

(Start: 48 @24557 has 25 MA's), (97, 24668), (100, 24677), (122, 24737), (132, 24764), (142, 24800), (280, 24980), (292, 25001), (295, 25013), (460, 25148), (464, 25169), (467, 25187), (473, 25211), (491, 25319), (506, 25385), (522, 25451), (539, 25508), (548, 25541), (561, 25598), (617, 25829),

(627, 25868), (631, 25883), (663, 26018), (666, 26042), (667, 26048), (703, 26117), (711, 26132), (732, 26171), (753, 26213), (788, 26318),

Gene: Bigflo_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for Bigflo_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: Binglebops_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Binglebops_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: Bipper_27 Start: 23567, Stop: 26155, Start Num: 17

Candidate Starts for Bipper_27:

(Start: 17 @23567 has 5 MA's), (72, 23756), (83, 23777), (95, 23807), (114, 23870), (140, 23936), (141, 23939), (155, 23981), (174, 24032), (183, 24068), (195, 24107), (238, 24242), (270, 24320), (271, 24323), (299, 24404), (309, 24434), (320, 24470), (336, 24509), (341, 24521), (355, 24551), (356, 24557), (358, 24569), (361, 24578), (364, 24590), (375, 24614), (382, 24638), (413, 24731), (421, 24764), (423, 24767), (442, 24842), (444, 24854), (464, 24938), (509, 25184), (513, 25190), (524, 25247), (546, 25328), (558, 25376), (588, 25490), (602, 25556), (620, 25643), (627, 25673), (636, 25724), (654, 25796), (660, 25820), (663, 25826), (665, 25847), (672, 25865), (708, 25934), (751, 26009), (761, 26048), (764, 26054), (767, 26060), (788, 26138), (791, 26147),

Gene: Blackmoor_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Blackmoor_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 223

Candidate Starts for BlueBird_32:

(Start: 223 @22838 has 32 MA's), (289, 22982), (297, 22997), (317, 23039), (362, 23162), (379, 23210), (393, 23252), (396, 23258), (404, 23279), (464, 23519), (470, 23549), (479, 23597), (502, 23723), (512, 23762), (522, 23801), (539, 23858), (548, 23891), (590, 24053), (591, 24056), (602, 24113), (617, 24179), (622, 24194), (666, 24395), (732, 24521), (735, 24524), (767, 24605), (774, 24617), (781, 24644), (788, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 53

Candidate Starts for BobSwaget_34:

(Start: 53 @24339 has 32 MA's), (60, 24363), (97, 24453), (100, 24462), (119, 24519), (441, 24867), (443, 24870), (464, 24957), (467, 24975), (473, 24999), (491, 25107), (512, 25200), (522, 25239),

(548, 25329), (562, 25389), (580, 25440), (590, 25491), (594, 25512), (627, 25656), (631, 25671), (634, 25689), (665, 25827), (675, 25848), (711, 25920), (726, 25938), (732, 25959), (745, 25980), (753, 26001), (774, 26061), (788, 26106),

Gene: Bobquesha_29 Start: 22017, Stop: 24326, Start Num: 37

Candidate Starts for Bobquesha_29:

(Start: 37 @22017 has 31 MA's), (46, 22047), (Start: 52 @22065 has 2 MA's), (73, 22128), (127, 22269), (147, 22335), (170, 22398), (184, 22449), (186, 22458), (199, 22491), (214, 22539), (231, 22596), (259, 22656), (286, 22668), (301, 22683), (304, 22689), (316, 22722), (338, 22770), (369, 22824), (399, 22896), (459, 23076), (476, 23157), (502, 23310), (513, 23352), (525, 23409), (527, 23421), (547, 23508), (550, 23526), (564, 23592), (570, 23607), (594, 23703), (627, 23856), (631, 23871), (632, 23877), (636, 23907), (637, 23913), (644, 23940), (647, 23952), (667, 24048), (696, 24102), (705, 24123), (754, 24210), (761, 24240), (791, 24318),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 51

Candidate Starts for BogosyJay_32:

(Start: 51 @23933 has 26 MA's), (112, 24098), (119, 24119), (142, 24185), (145, 24197), (151, 24209), (171, 24254), (175, 24263), (178, 24272), (270, 24332), (280, 24341), (293, 24365), (305, 24401), (457, 24494), (464, 24530), (467, 24548), (512, 24773), (519, 24794), (522, 24812), (548, 24902), (561, 24959), (575, 24995), (593, 25082), (622, 25205), (627, 25229), (631, 25244), (643, 25301), (665, 25403), (666, 25406), (711, 25496), (760, 25607), (788, 25682),

Gene: Bombshell_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Bombshell_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: BoostSeason_23 Start: 18687, Stop: 21026, Start Num: 23

Candidate Starts for BoostSeason_23:

(Start: 23 @18687 has 36 MA's), (139, 18927), (178, 19035), (181, 19044), (185, 19065), (192, 19089), (244, 19218), (249, 19230), (278, 19299), (339, 19434), (346, 19452), (356, 19479), (393, 19581), (415, 19653), (425, 19695), (426, 19701), (429, 19710), (432, 19716), (448, 19797), (454, 19818), (464, 19860), (468, 19881), (475, 19911), (489, 19998), (491, 20007), (499, 20043), (509, 20097), (526, 20151), (528, 20163), (548, 20223), (562, 20283), (568, 20301), (578, 20328), (590, 20385), (632, 20574), (639, 20604), (657, 20682), (663, 20703), (674, 20745), (691, 20778), (696, 20787), (705, 20808), (719, 20835), (757, 20916), (762, 20940),

Gene: BourbonZero_20 Start: 19707, Stop: 22217, Start Num: 18

Candidate Starts for BourbonZero_20:

(Start: 18 @19707 has 19 MA's), (29, 19770), (65, 19890), (142, 20076), (184, 20202), (187, 20214), (194, 20232), (204, 20271), (217, 20301), (253, 20388), (276, 20448), (278, 20454), (337, 20595), (340, 20601), (343, 20610), (351, 20628), (370, 20688), (377, 20709), (390, 20760), (391, 20763), (412, 20832), (449, 20985), (469, 21069), (473, 21087), (475, 21096), (494, 21207), (497, 21225), (508, 21279), (521, 21324), (526, 21339), (540, 21387), (562, 21477), (568, 21495), (585, 21546), (590, 21579), (593, 21597), (594, 21600), (602, 21636), (608, 21666), (610, 21672), (620, 21717), (626, 21741), (627, 21747), (631, 21762), (634, 21780), (642, 21813), (643, 21816), (654, 21867), (671, 21933), (685, 21957), (722, 22032), (739, 22068), (766, 22137),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 266

Candidate Starts for BreSam8_33:

(Start: 266 @23270 has 65 MA's), (320, 23405), (348, 23471), (362, 23516), (379, 23552), (420, 23684), (429, 23720), (435, 23741), (449, 23798), (464, 23858), (476, 23912), (484, 23972), (508, 24092), (509, 24095), (528, 24164), (537, 24188), (561, 24281), (568, 24302), (583, 24347), (655, 24677), (674, 24746), (705, 24809), (778, 24980),

Gene: Broseidon_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Broseidon_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (591, 24172), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Bruiser_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Bruiser_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Bryler_26 Start: 20070, Stop: 22406, Start Num: 23

Candidate Starts for Bryler_26:

(Start: 23 @20070 has 36 MA's), (35, 20118), (38, 20127), (76, 20241), (86, 20259), (141, 20310), (178, 20406), (181, 20415), (205, 20505), (209, 20517), (249, 20616), (253, 20625), (295, 20718), (329, 20799), (341, 20829), (346, 20841), (356, 20868), (359, 20883), (377, 20907), (393, 20967), (408, 21012), (415, 21039), (424, 21078), (429, 21096), (434, 21105), (448, 21174), (449, 21177), (454, 21195), (464, 21237), (468, 21258), (475, 21288), (489, 21375), (502, 21438), (508, 21471), (513, 21480), (528, 21543), (546, 21591), (548, 21603), (566, 21672), (575, 21696), (583, 21726), (590, 21765), (632, 21954), (650, 22029), (663, 22083), (696, 22167), (703, 22185), (749, 22272), (757, 22296), (771, 22338), (791, 22398),

Gene: BubbleTrouble_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for BubbleTrouble_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Bugatti_31 Start: 22838, Stop: 24697, Start Num: 223

Candidate Starts for Bugatti_31:

(Start: 223 @22838 has 32 MA's), (289, 22982), (297, 22997), (317, 23039), (362, 23162), (379, 23210), (393, 23252), (396, 23258), (404, 23279), (464, 23519), (470, 23549), (479, 23597), (502, 23723), (512, 23762), (522, 23801), (539, 23858), (548, 23891), (590, 24053), (591, 24056), (602, 24113), (617, 24179), (622, 24194), (666, 24395), (732, 24521), (735, 24524), (767, 24605), (774, 24617), (781, 24644), (788, 24674),

Gene: Buggy_33 Start: 23267, Stop: 25489, Start Num: 53

Candidate Starts for Buggy_33:

(Start: 53 @23267 has 32 MA's), (97, 23381), (100, 23390), (102, 23396), (132, 23480), (178, 23618), (183, 23642), (200, 23696), (296, 23846), (331, 23942), (346, 23978), (350, 23987), (464, 24293), (473, 24335), (522, 24575), (548, 24674), (553, 24695), (568, 24752), (582, 24791), (583, 24797), (601, 24893), (602, 24896), (617, 24962), (635, 25046), (653, 25118), (692, 25238), (752, 25349), (767, 25400), (774, 25412),

Gene: Bumblebee11_31 Start: 22972, Stop: 24831, Start Num: 230

Candidate Starts for Bumblebee11_31:

(208, 22912), (Start: 230 @22972 has 141 MA's), (260, 23038), (279, 23083), (282, 23089), (296, 23122), (304, 23140), (319, 23185), (321, 23191), (325, 23197), (362, 23290), (368, 23305), (392, 23377), (413, 23437), (424, 23488), (427, 23500), (447, 23578), (465, 23647), (487, 23770), (492, 23794), (509, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (559, 24070), (574, 24112), (582, 24139), (588, 24175), (593, 24202), (597, 24214), (630, 24370), (670, 24544), (674, 24550), (696, 24595), (723, 24646), (725, 24649), (741, 24685), (757, 24721),

Gene: Burger_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Burger_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 266

Candidate Starts for BuzzBuzz_32:

(Start: 266 @23364 has 65 MA's), (320, 23499), (348, 23565), (362, 23610), (379, 23646), (414, 23757), (420, 23778), (429, 23814), (435, 23835), (464, 23952), (489, 24090), (508, 24186), (509, 24189), (528, 24258), (537, 24282), (551, 24327), (561, 24375), (583, 24441), (618, 24612), (620, 24618), (632, 24669), (643, 24714), (651, 24744), (663, 24792), (674, 24834), (682, 24849), (685, 24852), (696, 24876), (747, 24978), (749, 24981), (757, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 266

Candidate Starts for Bxz2_32:

(Start: 266 @23371 has 65 MA's), (320, 23506), (348, 23572), (362, 23617), (379, 23653), (414, 23764), (420, 23785), (429, 23821), (435, 23842), (464, 23959), (489, 24097), (508, 24193), (509, 24196), (528, 24265), (537, 24289), (551, 24334), (561, 24382), (583, 24448), (618, 24619), (620, 24625), (632, 24676), (643, 24721), (651, 24751), (663, 24799), (674, 24841), (682, 24856), (685, 24859), (696, 24883), (747, 24985), (749, 24988), (757, 25012),

Gene: CRB1_31 Start: 22754, Stop: 24937, Start Num: 54

Candidate Starts for CRB1_31:

(Start: 54 @22754 has 29 MA's), (60, 22775), (97, 22865), (100, 22874), (109, 22895), (122, 22931), (132, 22958), (142, 22994), (178, 23096), (200, 23174), (280, 23285), (296, 23324), (331, 23420), (345, 23453), (464, 23774), (467, 23792), (468, 23795), (473, 23816), (512, 24017), (522, 24056), (527, 24077), (539, 24113), (548, 24146), (553, 24167), (561, 24203), (583, 24269), (590, 24308), (594, 24329), (617, 24434), (622, 24449), (643, 24542), (663, 24623), (675, 24665), (712, 24734), (732, 24773), (739, 24782), (787, 24914), (788, 24920),

Gene: CRB2_33 Start: 31730, Stop: 34225, Start Num: 21

Candidate Starts for CRB2_33:

(Start: 21 @31730 has 5 MA's), (Start: 51 @31832 has 26 MA's), (Start: 53 @31838 has 32 MA's), (56, 31850), (75, 31907), (89, 31937), (96, 31952), (133, 32057), (170, 32171), (218, 32324), (250, 32405), (252, 32408), (275, 32468), (285, 32495), (331, 32603), (351, 32651), (352, 32654), (357, 32675), (388, 32774), (398, 32789), (431, 32915), (438, 32939), (443, 32960), (464, 33047), (467, 33065), (496, 33224), (512, 33290), (521, 33326), (522, 33329), (526, 33341), (536, 33371), (546, 33407), (548, 33419), (583, 33542), (584, 33545), (585, 33548), (586, 33554), (604, 33656), (617, 33707), (622, 33722), (627, 33746), (639, 33797), (644, 33818), (663, 33899), (666, 33923), (697, 33977), (732, 34049), (755, 34091), (764, 34127), (774, 34145), (781, 34172), (788, 34202),

Gene: CactusJack_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for CactusJack_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254), (691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: Caelakin_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Caelakin_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Cain_26 Start: 20058, Stop: 22394, Start Num: 23

Candidate Starts for Cain_26:

(Start: 23 @20058 has 36 MA's), (35, 20106), (38, 20115), (76, 20229), (86, 20247), (141, 20298), (178, 20394), (181, 20403), (205, 20493), (209, 20505), (249, 20604), (253, 20613), (295, 20706), (329, 20787), (341, 20817), (346, 20829), (356, 20856), (359, 20871), (377, 20895), (393, 20955), (408, 21000), (415, 21027), (424, 21066), (429, 21084), (434, 21093), (448, 21162), (449, 21165), (454, 21183), (464, 21225), (468, 21246), (475, 21276), (489, 21363), (502, 21426), (508, 21459), (513, 21468), (528, 21531), (546, 21579), (548, 21591), (566, 21660), (575, 21684), (583, 21714), (590, 21753), (632, 21942), (650, 22017), (663, 22071), (696, 22155), (703, 22173), (749, 22260), (757, 22284), (771, 22326), (791, 22386),

Gene: Calvinny_34 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Calvinny_34:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (145, 23643), (178, 23733), (183, 23757), (270, 23802), (292, 23832), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: Camperdownii_30 Start: 22579, Stop: 24435, Start Num: 230

Candidate Starts for Camperdownii_30:

(Start: 230 @22579 has 141 MA's), (285, 22705), (296, 22729), (340, 22834), (342, 22840), (359, 22888), (378, 22939), (395, 22990), (424, 23095), (427, 23107), (447, 23185), (465, 23254), (495,

23422), (504, 23452), (509, 23482), (517, 23509), (522, 23536), (523, 23539), (552, 23644), (556, 23665), (559, 23674), (588, 23779), (597, 23818), (602, 23845), (605, 23863), (606, 23866), (630, 23974), (643, 24031), (670, 24148), (674, 24154), (754, 24316), (757, 24325),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for Catalina_34:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for Caviar_32:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Centaur_33 Start: 23215, Stop: 25422, Start Num: 53

Candidate Starts for Centaur_33:

(Start: 53 @23215 has 32 MA's), (97, 23329), (100, 23338), (102, 23344), (109, 23365), (122, 23401), (145, 23476), (178, 23566), (181, 23578), (280, 23755), (296, 23794), (331, 23890), (429, 24103), (441, 24151), (464, 24241), (470, 24271), (473, 24283), (522, 24523), (548, 24622), (553, 24643), (580, 24733), (582, 24739), (583, 24745), (590, 24784), (594, 24805), (601, 24841), (602, 24844), (617, 24910), (666, 25126), (692, 25174), (729, 25237), (757, 25297), (774, 25345), (788, 25399),

Gene: CentreCat_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for CentreCat_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (362, 23279), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (559, 24056), (562, 24071), (588, 24161), (597, 24200), (605, 24245), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: Cerulean_32 Start: 23275, Stop: 25131, Start Num: 230

Candidate Starts for Cerulean_32:

(Start: 230 @23275 has 141 MA's), (285, 23401), (296, 23425), (340, 23530), (342, 23536), (359, 23584), (378, 23635), (395, 23686), (424, 23791), (427, 23803), (447, 23881), (465, 23950), (495, 24118), (504, 24148), (509, 24178), (516, 24202), (517, 24205), (522, 24232), (523, 24235), (552, 24340), (556, 24361), (559, 24370), (597, 24514), (605, 24559), (641, 24721), (670, 24844), (696, 24895), (754, 25012), (757, 25021), (787, 25108),

Gene: ChampagnePapi_32 Start: 23274, Stop: 25130, Start Num: 230

Candidate Starts for ChampagnePapi_32:

(Start: 230 @23274 has 141 MA's), (285, 23400), (296, 23424), (340, 23529), (342, 23535), (359, 23583), (378, 23634), (395, 23685), (424, 23790), (427, 23802), (447, 23880), (465, 23949), (509, 24177), (516, 24201), (517, 24204), (522, 24231), (523, 24234), (552, 24339), (559, 24369), (562, 24384), (588, 24474), (597, 24513), (605, 24558), (643, 24726), (670, 24843), (696, 24894), (754, 25011), (757, 25020), (787, 25107),

Gene: Chancellor_28 Start: 22283, Stop: 24592, Start Num: 37

Candidate Starts for Chancellor_28:

(Start: 37 @22283 has 31 MA's), (73, 22394), (85, 22418), (127, 22535), (170, 22664), (184, 22715), (186, 22724), (199, 22757), (210, 22796), (214, 22805), (231, 22862), (234, 22871), (259, 22922), (286, 22934), (301, 22949), (304, 22955), (316, 22988), (338, 23036), (369, 23090), (399, 23162), (413, 23201), (417, 23213), (429, 23228), (442, 23273), (459, 23342), (476, 23423), (502, 23576), (525, 23675), (527, 23687), (550, 23792), (564, 23858), (570, 23873), (594, 23969), (627, 24122), (631, 24137), (632, 24143), (635, 24167), (644, 24206), (647, 24218), (667, 24314), (696, 24368), (705, 24389), (754, 24476), (761, 24506), (791, 24584),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 54

Candidate Starts for Changeling_34:

(25, 25016), (Start: 54 @25115 has 29 MA's), (97, 25226), (100, 25235), (132, 25319), (142, 25355), (145, 25367), (151, 25379), (183, 25481), (265, 25505), (292, 25556), (295, 25568), (460, 25703), (464, 25724), (467, 25742), (473, 25766), (512, 25967), (522, 26006), (539, 26063), (548, 26096), (561, 26153), (580, 26207), (593, 26276), (617, 26384), (622, 26399), (631, 26438), (665, 26594), (711, 26687), (753, 26768), (774, 26828), (788, 26873),

Gene: Chaph_31 Start: 22969, Stop: 24825, Start Num: 230

Candidate Starts for Chaph_31:

(Start: 230 @22969 has 141 MA's), (285, 23095), (296, 23119), (340, 23224), (342, 23230), (359, 23278), (362, 23287), (378, 23329), (392, 23374), (395, 23380), (424, 23485), (427, 23497), (447, 23575), (465, 23644), (509, 23872), (516, 23896), (517, 23899), (522, 23926), (523, 23929), (552, 24034), (559, 24064), (562, 24079), (588, 24169), (597, 24208), (605, 24253), (643, 24421), (670, 24538), (674, 24544), (696, 24589), (723, 24640), (725, 24643), (754, 24706), (757, 24715), (787, 24802),

Gene: Chavito_27 Start: 20243, Stop: 22753, Start Num: 37

Candidate Starts for Chavito_27:

(Start: 37 @20243 has 31 MA's), (Start: 52 @20291 has 2 MA's), (103, 20414), (118, 20465), (124, 20483), (146, 20549), (166, 20603), (189, 20681), (201, 20720), (221, 20777), (231, 20813), (254, 20864), (271, 20894), (277, 20909), (288, 20933), (298, 20963), (299, 20966), (304, 20978), (306, 20987), (309, 20993), (322, 21032), (379, 21185), (389, 21230), (418, 21302), (437, 21356), (442, 21377), (444, 21389), (469, 21497), (480, 21560), (488, 21614), (497, 21665), (501, 21686), (524, 21785), (545, 21863), (550, 21887), (552, 21893), (563, 21950), (592, 22052), (602, 22109), (609, 22142), (612, 22160), (620, 22199), (632, 22250), (667, 22415), (695, 22469), (702, 22484), (728, 22526), (753, 22583), (758, 22601), (768, 22631), (775, 22649),

Gene: Cheetobro_28 Start: 22280, Stop: 24589, Start Num: 37

Candidate Starts for Cheetobro_28:

(Start: 37 @22280 has 31 MA's), (73, 22391), (85, 22415), (127, 22532), (170, 22661), (184, 22712), (186, 22721), (199, 22754), (210, 22793), (214, 22802), (231, 22859), (234, 22868), (259, 22919), (286, 22931), (301, 22946), (304, 22952), (316, 22985), (338, 23033), (369, 23087), (399, 23159), (413, 23198), (417, 23210), (429, 23225), (442, 23270), (459, 23339), (476, 23420), (502, 23573), (525, 23672), (527, 23684), (550, 23789), (564, 23855), (570, 23870), (594, 23966), (627, 24119), (631, 24134), (632, 24140), (635, 24164), (644, 24203), (647, 24215), (667, 24311), (696, 24365), (705, 24386), (754, 24473), (761, 24503), (791, 24581),

Gene: ChipMunk_33 Start: 23177, Stop: 25654, Start Num: 23

Candidate Starts for ChipMunk_33:

(Start: 23 @23177 has 36 MA's), (30, 23198), (55, 23288), (92, 23387), (107, 23435), (158, 23567), (244, 23813), (255, 23840), (261, 23855), (292, 23930), (346, 24071), (370, 24143), (400, 24245), (416, 24287), (460, 24455), (468, 24497), (473, 24518), (492, 24629), (493, 24632), (505, 24689), (521, 24755), (522, 24758), (526, 24770), (538, 24812), (539, 24821), (548, 24854), (561, 24911),

(590, 25016), (594, 25037), (602, 25076), (635, 25226), (639, 25232), (642, 25247), (644, 25253), (652, 25286), (653, 25298), (656, 25307), (660, 25328), (689, 25397), (737, 25496), (749, 25523), (750, 25526), (769, 25580), (778, 25607),

Gene: Chiqui_30 Start: 23109, Stop: 24977, Start Num: 223

Candidate Starts for Chiqui_30:

(Start: 223 @23109 has 32 MA's), (289, 23253), (317, 23310), (396, 23538), (403, 23556), (404, 23559), (411, 23586), (427, 23655), (429, 23661), (464, 23799), (467, 23817), (473, 23841), (522, 24081), (548, 24171), (593, 24351), (602, 24393), (617, 24459), (622, 24474), (660, 24645), (666, 24675), (735, 24804), (774, 24897), (781, 24924), (787, 24948), (788, 24954),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 48

Candidate Starts for Chupacabra_32:

(Start: 48 @23269 has 25 MA's), (58, 23302), (62, 23317), (178, 23629), (183, 23653), (187, 23671), (188, 23674), (189, 23677), (197, 23698), (203, 23725), (464, 23938), (467, 23956), (473, 23980), (496, 24115), (499, 24124), (522, 24220), (539, 24277), (548, 24310), (580, 24421), (593, 24490), (617, 24598), (622, 24613), (631, 24652), (632, 24658), (648, 24724), (663, 24787), (665, 24808), (666, 24811), (667, 24817), (675, 24829), (703, 24886), (711, 24901), (717, 24910), (753, 24982), (774, 25042), (788, 25087), (789, 25090),

Gene: Cici_31 Start: 22966, Stop: 24825, Start Num: 230

Candidate Starts for Cici_31:

(208, 22906), (Start: 230 @22966 has 141 MA's), (260, 23032), (279, 23077), (282, 23083), (296, 23116), (304, 23134), (319, 23179), (321, 23185), (325, 23191), (362, 23284), (368, 23299), (392, 23371), (413, 23431), (424, 23482), (427, 23494), (447, 23572), (465, 23641), (487, 23764), (492, 23788), (509, 23869), (520, 23914), (522, 23923), (523, 23926), (556, 24055), (559, 24064), (574, 24106), (582, 24133), (588, 24169), (593, 24196), (597, 24208), (630, 24364), (670, 24538), (674, 24544), (696, 24589), (723, 24640), (725, 24643), (741, 24679), (757, 24715),

Gene: Cindaradix_30 Start: 22690, Stop: 24546, Start Num: 230

Candidate Starts for Cindaradix_30:

(Start: 230 @22690 has 141 MA's), (296, 22840), (304, 22858), (308, 22870), (319, 22903), (325, 22915), (342, 22951), (362, 23008), (368, 23023), (413, 23155), (424, 23206), (427, 23218), (447, 23296), (453, 23317), (465, 23365), (509, 23593), (522, 23647), (523, 23650), (552, 23755), (556, 23776), (559, 23785), (588, 23890), (630, 24085), (643, 24142), (670, 24259), (674, 24265), (757, 24436),

Gene: Cintron_31 Start: 23005, Stop: 24864, Start Num: 230

Candidate Starts for Cintron_31:

(Start: 230 @23005 has 141 MA's), (285, 23131), (296, 23155), (340, 23260), (342, 23266), (359, 23314), (362, 23323), (378, 23365), (392, 23410), (395, 23416), (424, 23521), (427, 23533), (447, 23611), (465, 23680), (495, 23848), (509, 23908), (516, 23932), (517, 23935), (522, 23962), (523, 23965), (552, 24070), (559, 24100), (562, 24115), (588, 24205), (597, 24244), (602, 24271), (605, 24289), (674, 24580), (711, 24658), (717, 24670), (723, 24676), (741, 24715), (754, 24742), (756, 24748), (787, 24841),

Gene: Citius_31 Start: 22975, Stop: 24831, Start Num: 230

Candidate Starts for Citius_31:

(Start: 230 @22975 has 141 MA's), (285, 23101), (296, 23125), (340, 23230), (342, 23236), (359, 23284), (378, 23335), (392, 23380), (395, 23386), (424, 23491), (427, 23503), (447, 23581), (465, 23650), (509, 23878), (516, 23902), (517, 23905), (522, 23932), (523, 23935), (552, 24040), (559, 24070), (562, 24085), (588, 24175), (597, 24214), (605, 24259), (643, 24427), (670, 24544), (674, 24550), (696, 24595), (723, 24646), (725, 24649), (754, 24712), (757, 24721), (787, 24808),

Gene: Clammy_31 Start: 22838, Stop: 24697, Start Num: 223

Candidate Starts for Clammy_31:

(Start: 223 @22838 has 32 MA's), (289, 22982), (297, 22997), (317, 23039), (362, 23162), (379, 23210), (393, 23252), (396, 23258), (404, 23279), (464, 23519), (470, 23549), (479, 23597), (502, 23723), (512, 23762), (522, 23801), (539, 23858), (548, 23891), (590, 24053), (591, 24056), (602, 24113), (617, 24179), (622, 24194), (666, 24395), (732, 24521), (735, 24524), (767, 24605), (774, 24617), (781, 24644), (788, 24674),

Gene: Clarenza_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Clarenza_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Clautastrophe_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for Clautastrophe_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782), (634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: Cocoaberry_31 Start: 22964, Stop: 24820, Start Num: 230

Candidate Starts for Cocoaberry_31:

(Start: 230 @22964 has 141 MA's), (285, 23090), (296, 23114), (340, 23219), (342, 23225), (359, 23273), (362, 23282), (378, 23324), (392, 23369), (395, 23375), (424, 23480), (427, 23492), (447, 23570), (465, 23639), (509, 23867), (516, 23891), (517, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (559, 24059), (588, 24164), (597, 24203), (605, 24248), (641, 24410), (643, 24416), (670, 24533), (674, 24539), (696, 24584), (723, 24635), (725, 24638), (754, 24701), (757, 24710), (787, 24797),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for Colbster_33:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Colin_35 Start: 24479, Stop: 26257, Start Num: 52

Candidate Starts for Colin_35:

(Start: 52 @24479 has 2 MA's), (97, 24593), (100, 24602), (145, 24734), (441, 25001), (464, 25091), (467, 25109), (473, 25133), (512, 25334), (522, 25373), (548, 25463), (561, 25520), (580, 25574), (593, 25643), (620, 25760), (631, 25805), (634, 25823), (663, 25940), (665, 25961), (675, 25982), (711, 26054), (753, 26135), (760, 26165), (774, 26195), (788, 26240),

Gene: Commander_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Commander_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Connomayer_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Connomayer_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 51

Candidate Starts for Conquerage_33:

(Start: 51 @24407 has 26 MA's), (119, 24593), (151, 24683), (171, 24728), (175, 24737), (280, 24815), (293, 24839), (305, 24875), (464, 25004), (467, 25022), (512, 25247), (519, 25268), (522, 25286), (548, 25376), (561, 25433), (593, 25556), (622, 25679), (631, 25718), (643, 25775), (663, 25856), (665, 25877), (666, 25880), (711, 25970), (760, 26081), (788, 26156),

Gene: Cracklewink_27 Start: 23567, Stop: 26155, Start Num: 17

Candidate Starts for Cracklewink_27:

(Start: 17 @23567 has 5 MA's), (72, 23756), (83, 23777), (95, 23807), (114, 23870), (140, 23936), (141, 23939), (155, 23981), (174, 24032), (183, 24068), (195, 24107), (238, 24242), (270, 24320), (271, 24323), (299, 24404), (309, 24434), (320, 24470), (336, 24509), (341, 24521), (355, 24551), (356, 24557), (358, 24569), (361, 24578), (364, 24590), (375, 24614), (382, 24638), (413, 24731), (421, 24764), (423, 24767), (442, 24842), (444, 24854), (464, 24938), (509, 25184), (513, 25190), (524, 25247), (546, 25328), (558, 25376), (588, 25490), (602, 25556), (620, 25643), (627, 25673), (636, 25724), (654, 25796), (660, 25820), (663, 25826), (665, 25847), (672, 25865), (708, 25934), (751, 26009), (761, 26048), (764, 26054), (767, 26060), (788, 26138), (791, 26147),

Gene: Crucio_31 Start: 22638, Stop: 24842, Start Num: 54

Candidate Starts for Crucio_31:

(Start: 54 @22638 has 29 MA's), (60, 22659), (102, 22764), (132, 22848), (142, 22884), (178, 22986), (181, 22998), (280, 23175), (331, 23310), (356, 23373), (464, 23664), (467, 23682), (473, 23706), (497, 23844), (512, 23907), (522, 23946), (548, 24036), (561, 24093), (582, 24153), (590, 24198), (594, 24219), (622, 24339), (627, 24363), (635, 24408), (653, 24480), (666, 24540), (755, 24711), (774, 24765), (782, 24792), (788, 24819),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for Cullens_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: Curiosium_28 Start: 20582, Stop: 23062, Start Num: 39

Candidate Starts for Curiosium_28:

(Start: 39 @20582 has 1 MA's), (103, 20753), (126, 20810), (143, 20861), (173, 20945), (192, 21017), (214, 21077), (221, 21098), (227, 21125), (237, 21149), (250, 21185), (272, 21230), (274, 21233), (309, 21332), (310, 21335), (322, 21371), (343, 21422), (361, 21476), (374, 21509), (410, 21635), (413, 21644), (442, 21767), (444, 21779), (466, 21878), (480, 21947), (485, 21980), (511, 22109), (515, 22115), (525, 22172), (529, 22190), (557, 22304), (561, 22331), (566, 22343), (571, 22358), (580, 22385), (584, 22400), (590, 22436), (591, 22439), (614, 22556), (617, 22571), (644, 22712), (667, 22820), (696, 22859), (698, 22862), (714, 22886), (759, 22964), (777, 23009), (784, 23027),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for DaHudson_33:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 266

Candidate Starts for Daishi_32:

(Start: 266 @22205 has 65 MA's), (320, 22340), (348, 22406), (362, 22451), (379, 22487), (414, 22598), (420, 22619), (429, 22655), (435, 22676), (464, 22793), (489, 22931), (508, 23027), (509, 23030), (528, 23099), (537, 23123), (551, 23168), (561, 23216), (583, 23282), (618, 23453), (620, 23459), (632, 23510), (643, 23555), (651, 23585), (663, 23633), (674, 23675), (682, 23690), (685, 23693), (696, 23717), (747, 23819), (749, 23822), (757, 23846),

Gene: Dalmatian_31 Start: 22845, Stop: 25049, Start Num: 54

Candidate Starts for Dalmatian_31:

(Start: 54 @22845 has 29 MA's), (60, 22866), (132, 23055), (142, 23091), (178, 23193), (181, 23205), (257, 23316), (280, 23382), (331, 23517), (464, 23871), (473, 23913), (497, 24051), (512, 24114), (522, 24153), (548, 24243), (561, 24300), (582, 24360), (590, 24405), (594, 24426), (622, 24546), (627, 24570), (635, 24615), (653, 24687), (666, 24747), (755, 24918), (774, 24972), (782, 24999), (788, 25026),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 51

Candidate Starts for Darrell_33:

(Start: 51 @24371 has 26 MA's), (119, 24557), (142, 24623), (151, 24647), (171, 24692), (175, 24701), (270, 24770), (280, 24779), (305, 24839), (443, 24881), (458, 24935), (464, 24968), (467, 24986), (473, 25010), (474, 25016), (506, 25184), (512, 25211), (522, 25250), (548, 25340), (561, 25397), (593, 25520), (601, 25559), (622, 25643), (631, 25682), (663, 25820), (665, 25841), (666, 25844), (670, 25856), (696, 25901), (753, 26015), (760, 26045), (788, 26120),

Gene: DarthP_26 Start: 21319, Stop: 23703, Start Num: 68

Candidate Starts for DarthP_26:

(Start: 68 @21319 has 11 MA's), (70, 21328), (88, 21367), (130, 21490), (146, 21547), (152, 21559), (177, 21625), (190, 21679), (216, 21757), (245, 21847), (264, 21889), (284, 21940), (302, 21982), (303, 21985), (311, 22006), (332, 22066), (335, 22072), (400, 22264), (429, 22381), (447, 22450), (460, 22489), (465, 22519), (491, 22663), (521, 22798), (522, 22801), (523, 22804), (533, 22843), (548, 22897), (587, 23038), (588, 23044), (592, 23059), (617, 23188), (619, 23194), (641, 23290), (644, 23299), (650, 23323), (653, 23344), (748, 23551), (753, 23566), (754, 23569), (789, 23677),

Gene: Dartin_27 Start: 20230, Stop: 22731, Start Num: 37

Candidate Starts for Dartin_27:

(Start: 37 @20230 has 31 MA's), (Start: 52 @20278 has 2 MA's), (71, 20329), (103, 20401), (118, 20452), (124, 20470), (137, 20503), (143, 20524), (146, 20536), (166, 20590), (189, 20668), (201, 20707), (221, 20764), (231, 20800), (254, 20851), (271, 20881), (277, 20896), (288, 20920), (299,

20953), (306, 20974), (309, 20980), (322, 21019), (379, 21172), (387, 21205), (389, 21217), (414, 21280), (442, 21364), (480, 21547), (488, 21601), (497, 21643), (543, 21835), (545, 21841), (550, 21865), (563, 21928), (577, 21967), (592, 22030), (602, 22087), (609, 22120), (612, 22138), (620, 22177), (629, 22216), (631, 22222), (640, 22279), (667, 22393), (695, 22447), (702, 22462), (716, 22492), (728, 22504), (753, 22561), (758, 22579), (768, 22609), (775, 22627), (794, 22708),

Gene: Datway_31 Start: 22981, Stop: 24840, Start Num: 230

Candidate Starts for Datway_31:

(208, 22921), (Start: 230 @22981 has 141 MA's), (260, 23047), (279, 23092), (282, 23098), (296, 23131), (304, 23149), (319, 23194), (321, 23200), (325, 23206), (362, 23299), (368, 23314), (392, 23386), (413, 23446), (424, 23497), (427, 23509), (447, 23587), (465, 23656), (487, 23779), (492, 23803), (509, 23884), (520, 23929), (522, 23938), (523, 23941), (556, 24070), (559, 24079), (574, 24121), (582, 24148), (588, 24184), (593, 24211), (597, 24223), (630, 24379), (670, 24553), (674, 24559), (696, 24604), (723, 24655), (725, 24658), (741, 24694), (757, 24730),

Gene: Deano_31 Start: 22968, Stop: 24824, Start Num: 230

Candidate Starts for Deano_31:

(Start: 230 @22968 has 141 MA's), (285, 23094), (296, 23118), (340, 23223), (342, 23229), (359, 23277), (362, 23286), (378, 23328), (392, 23373), (395, 23379), (424, 23484), (427, 23496), (447, 23574), (465, 23643), (509, 23871), (516, 23895), (517, 23898), (522, 23925), (523, 23928), (552, 24033), (559, 24063), (562, 24078), (588, 24168), (597, 24207), (605, 24252), (643, 24420), (670, 24537), (674, 24543), (696, 24588), (723, 24639), (725, 24642), (754, 24705), (757, 24714), (787, 24801),

Gene: DeerParkTS_33 Start: 23331, Stop: 25694, Start Num: 1

Candidate Starts for DeerParkTS_33:

(1, 23331), (2, 23352), (3, 23442), (4, 23451), (12, 23700), (63, 23949), (144, 24174), (Start: 266 @24318 has 65 MA's), (464, 24528), (467, 24546), (473, 24570), (512, 24771), (522, 24810), (539, 24867), (548, 24900), (561, 24957), (593, 25080), (600, 25110), (622, 25203), (631, 25242), (632, 25248), (643, 25296), (663, 25377), (675, 25419), (711, 25491), (753, 25572), (788, 25677), (791, 25686),

Gene: Deloris_32 Start: 23191, Stop: 25377, Start Num: 54

Candidate Starts for Deloris_32:

(Start: 54 @23191 has 29 MA's), (60, 23212), (97, 23302), (109, 23332), (132, 23395), (142, 23431), (161, 23485), (189, 23581), (200, 23611), (245, 23743), (280, 23833), (287, 23848), (331, 23968), (345, 24001), (349, 24010), (464, 24205), (467, 24223), (512, 24451), (522, 24490), (539, 24547), (548, 24580), (553, 24601), (561, 24637), (582, 24697), (590, 24742), (594, 24763), (597, 24772), (622, 24883), (627, 24907), (631, 24922), (632, 24928), (663, 25060), (706, 25162), (712, 25174), (732, 25213), (787, 25354), (789, 25363),

Gene: Dhanush_31 Start: 22963, Stop: 24819, Start Num: 230

Candidate Starts for Dhanush_31:

(Start: 230 @22963 has 141 MA's), (285, 23089), (296, 23113), (340, 23218), (342, 23224), (359, 23272), (362, 23281), (378, 23323), (392, 23368), (395, 23374), (424, 23479), (427, 23491), (447, 23569), (465, 23638), (509, 23866), (516, 23890), (517, 23893), (522, 23920), (523, 23923), (552, 24028), (559, 24058), (562, 24073), (588, 24163), (597, 24202), (605, 24247), (643, 24415), (670, 24532), (674, 24538), (696, 24583), (723, 24634), (725, 24637), (754, 24700), (757, 24709), (787, 24796),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for Dieselweasel_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: Dignity_33 Start: 23212, Stop: 25416, Start Num: 53

Candidate Starts for Dignity_33:

(Start: 53 @23212 has 32 MA's), (97, 23326), (100, 23335), (102, 23341), (132, 23425), (178, 23563), (183, 23587), (200, 23641), (280, 23752), (331, 23887), (349, 23929), (372, 24001), (460, 24220), (464, 24241), (467, 24259), (473, 24283), (491, 24391), (512, 24484), (522, 24523), (548, 24613), (561, 24670), (562, 24673), (582, 24730), (583, 24736), (590, 24775), (594, 24796), (635, 24985), (644, 25012), (693, 25165), (703, 25189), (734, 25243), (736, 25246), (755, 25285), (757, 25291), (774, 25339),

Gene: DirtyDunning_31 Start: 22953, Stop: 24809, Start Num: 230

Candidate Starts for DirtyDunning_31:

(Start: 230 @22953 has 141 MA's), (285, 23079), (296, 23103), (340, 23208), (342, 23214), (359, 23262), (362, 23271), (378, 23313), (392, 23358), (395, 23364), (424, 23469), (427, 23481), (444, 23544), (447, 23559), (465, 23628), (495, 23796), (509, 23856), (517, 23883), (522, 23910), (523, 23913), (552, 24018), (556, 24039), (559, 24048), (588, 24153), (605, 24237), (627, 24336), (670, 24522), (674, 24528), (696, 24573), (723, 24624), (725, 24627), (754, 24690), (757, 24699), (787, 24786),

Gene: DismalFunk_23 Start: 18661, Stop: 21000, Start Num: 23

Candidate Starts for DismalFunk_23:

(Start: 23 @18661 has 36 MA's), (76, 18832), (86, 18850), (97, 18874), (181, 19018), (188, 19051), (232, 19180), (243, 19189), (249, 19204), (254, 19216), (258, 19225), (278, 19273), (322, 19369), (329, 19387), (339, 19408), (356, 19453), (393, 19555), (415, 19627), (425, 19669), (426, 19675), (429, 19684), (448, 19771), (454, 19792), (464, 19834), (468, 19855), (489, 19972), (491, 19981), (509, 20071), (526, 20125), (528, 20137), (537, 20161), (568, 20275), (578, 20302), (590, 20359), (602, 20416), (632, 20548), (639, 20578), (651, 20629), (654, 20647), (663, 20677), (681, 20731), (696, 20761), (705, 20782), (762, 20914),

Gene: DismalStressor_23 Start: 18661, Stop: 21000, Start Num: 23

Candidate Starts for DismalStressor_23:

(Start: 23 @18661 has 36 MA's), (76, 18832), (86, 18850), (97, 18874), (181, 19018), (188, 19051), (232, 19180), (243, 19189), (249, 19204), (254, 19216), (258, 19225), (278, 19273), (322, 19369), (329, 19387), (339, 19408), (356, 19453), (393, 19555), (415, 19627), (425, 19669), (426, 19675), (429, 19684), (448, 19771), (454, 19792), (464, 19834), (468, 19855), (489, 19972), (491, 19981), (509, 20071), (526, 20125), (528, 20137), (537, 20161), (568, 20275), (578, 20302), (590, 20359), (602, 20416), (632, 20548), (639, 20578), (651, 20629), (654, 20647), (663, 20677), (681, 20731), (696, 20761), (705, 20782), (762, 20914),

Gene: DontArgue_31 Start: 21656, Stop: 23866, Start Num: 48

Candidate Starts for DontArgue_31:

(Start: 48 @21656 has 25 MA's), (58, 21689), (116, 21839), (162, 21971), (183, 22040), (189, 22064), (197, 22085), (200, 22094), (205, 22118), (Start: 222 @22178 has 1 MA's), (245, 22241), (280, 22331), (331, 22466), (429, 22562), (438, 22592), (464, 22700), (465, 22709), (473, 22742), (475, 22751), (512, 22943), (519, 22964), (522, 22982), (539, 23039), (548, 23072), (561, 23129), (582, 23189), (590, 23234), (594, 23255), (595, 23258), (600, 23282), (615, 23348), (617, 23360), (627, 23399), (648, 23486), (666, 23573), (696, 23630), (703, 23648), (711, 23663), (732, 23702),

Gene: Doughnut_23 Start: 18681, Stop: 21020, Start Num: 23

Candidate Starts for Doughnut_23:

(Start: 23 @18681 has 36 MA's), (139, 18921), (178, 19029), (181, 19038), (185, 19059), (192, 19083), (244, 19212), (249, 19224), (278, 19293), (339, 19428), (346, 19446), (356, 19473), (393, 19575), (415, 19647), (425, 19689), (426, 19695), (429, 19704), (432, 19710), (448, 19791), (454, 19812), (464, 19854), (468, 19875), (475, 19905), (489, 19992), (491, 20001), (499, 20037), (509, 20091), (526, 20145), (528, 20157), (548, 20217), (562, 20277), (568, 20295), (578, 20322), (590, 20379), (632, 20568), (639, 20598), (657, 20676), (663, 20697), (674, 20739), (691, 20772), (696, 20781), (705, 20802), (719, 20829), (757, 20910), (762, 20934),

Gene: Drake55_33 Start: 23226, Stop: 25310, Start Num: 53

Candidate Starts for Drake55_33:

(Start: 53 @23226 has 32 MA's), (97, 23340), (102, 23355), (109, 23376), (136, 23454), (178, 23577), (200, 23655), (280, 23766), (289, 23787), (331, 23901), (346, 23937), (464, 24138), (467, 24156), (473, 24180), (490, 24279), (512, 24381), (522, 24420), (526, 24432), (548, 24510), (582, 24627), (583, 24633), (594, 24693), (617, 24798), (622, 24813), (653, 24954), (654, 24957), (665, 25008), (670, 25023), (683, 25047), (708, 25101), (721, 25125), (764, 25230), (789, 25296),

Gene: Drake94_31 Start: 21398, Stop: 23680, Start Num: 48

Candidate Starts for Drake94_31:

(Start: 48 @21398 has 25 MA's), (58, 21431), (93, 21515), (116, 21581), (162, 21713), (197, 21827), (200, 21836), (Start: 222 @21920 has 1 MA's), (251, 21995), (280, 22073), (310, 22148), (343, 22238), (426, 22364), (464, 22511), (467, 22529), (473, 22553), (512, 22754), (522, 22793), (548, 22883), (561, 22940), (580, 22994), (590, 23045), (594, 23066), (597, 23075), (600, 23093), (602, 23105), (627, 23210), (631, 23225), (632, 23231), (639, 23264), (663, 23363), (665, 23384), (666, 23387), (696, 23444), (703, 23462), (705, 23465), (711, 23477), (732, 23516), (753, 23558), (754, 23561), (788, 23663),

Gene: DropBear_31 Start: 22899, Stop: 24758, Start Num: 223

Candidate Starts for DropBear_31:

(Start: 223 @22899 has 32 MA's), (282, 23025), (285, 23034), (317, 23100), (324, 23121), (341, 23163), (396, 23319), (411, 23367), (427, 23436), (429, 23442), (438, 23472), (464, 23580), (467, 23598), (473, 23622), (522, 23862), (548, 23952), (582, 24069), (602, 24174), (617, 24240), (622, 24255), (660, 24426), (705, 24531), (735, 24585), (755, 24624), (774, 24678), (781, 24705), (787, 24729),

Gene: Druantia_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for Druantia_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (362, 23279), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (559, 24056), (562, 24071), (588, 24161), (597, 24200), (605, 24245), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: DudeLittle_31 Start: 22847, Stop: 25045, Start Num: 54

Candidate Starts for DudeLittle_31:

(Start: 54 @22847 has 29 MA's), (60, 22868), (102, 22973), (132, 23057), (142, 23093), (178, 23195), (181, 23207), (257, 23318), (280, 23384), (331, 23519), (346, 23555), (356, 23582), (441, 23780), (464, 23867), (467, 23885), (473, 23909), (478, 23939), (512, 24110), (526, 24161), (548, 24239), (561, 24296), (590, 24401), (594, 24422), (598, 24434), (617, 24527), (622, 24542), (635, 24611), (644, 24638), (692, 24791), (703, 24815), (774, 24968), (785, 25007),

Gene: DuncansLeg_21 Start: 19709, Stop: 22222, Start Num: 18

Candidate Starts for DuncansLeg_21:

(Start: 18 @19709 has 19 MA's), (29, 19772), (49, 19841), (50, 19844), (108, 20012), (184, 20204), (194, 20234), (204, 20273), (217, 20303), (233, 20360), (253, 20390), (256, 20396), (276, 20450), (278, 20456), (339, 20603), (340, 20606), (343, 20615), (351, 20633), (370, 20693), (377, 20714), (390, 20765), (391, 20768), (401, 20795), (436, 20933), (449, 20990), (469, 21074), (473, 21092), (475, 21101), (484, 21164), (497, 21230), (508, 21284), (521, 21329), (526, 21344), (540, 21392), (562, 21482), (568, 21500), (583, 21545), (585, 21551), (590, 21584), (593, 21602), (602, 21641), (610, 21677), (620, 21722), (626, 21746), (631, 21767), (634, 21785), (642, 21818), (660, 21896), (669, 21932), (685, 21962), (722, 22037), (739, 22073), (761, 22136), (766, 22142),

Gene: DustyMartin_37 Start: 23534, Stop: 25366, Start Num: 48

Candidate Starts for DustyMartin_37:

(Start: 48 @23534 has 25 MA's), (58, 23567), (116, 23717), (128, 23744), (183, 23918), (188, 23939), (189, 23942), (464, 24203), (467, 24221), (522, 24482), (539, 24539), (548, 24572), (580, 24683), (593, 24752), (615, 24848), (617, 24860), (622, 24875), (627, 24899), (631, 24914), (632, 24920), (635, 24944), (648, 24986), (658, 25031), (663, 25049), (666, 25073), (703, 25148), (711, 25163), (717, 25172), (732, 25202), (753, 25244), (788, 25349), (789, 25352),

Gene: Dynamo_21 Start: 19047, Stop: 21686, Start Num: 8

Candidate Starts for Dynamo_21:

(Start: 8 @19047 has 17 MA's), (9, 19056), (31, 19200), (137, 19473), (140, 19482), (141, 19485), (148, 19506), (153, 19518), (155, 19527), (164, 19551), (182, 19605), (202, 19683), (214, 19713), (Start: 222 @19749 has 1 MA's), (231, 19770), (237, 19785), (254, 19827), (271, 19860), (299, 19935), (306, 19959), (309, 19965), (314, 19977), (327, 20019), (330, 20025), (362, 20112), (405, 20244), (413, 20262), (421, 20295), (429, 20322), (442, 20373), (483, 20583), (496, 20649), (504, 20685), (526, 20784), (528, 20796), (546, 20859), (588, 21021), (592, 21036), (602, 21087), (627, 21204), (635, 21249), (647, 21291), (654, 21327), (666, 21381), (691, 21429), (760, 21573), (779, 21630), (788, 21669), (791, 21678),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 54

Candidate Starts for EZMoney23_35:

(Start: 54 @24766 has 29 MA's), (60, 24787), (97, 24877), (100, 24886), (132, 24970), (151, 25030), (280, 25186), (441, 25285), (464, 25375), (467, 25393), (473, 25417), (512, 25618), (522, 25657), (548, 25747), (561, 25804), (622, 26050), (631, 26089), (643, 26146), (663, 26227), (665, 26248), (711, 26341), (753, 26422),

Gene: Eagle_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Eagle_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (495, 23803), (504, 23833), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (597, 24199), (605, 24244), (641, 24406), (670, 24529), (696, 24580), (754, 24697), (757, 24706), (787, 24793),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 48

Candidate Starts for Eaglepride_34:

(Start: 48 @23450 has 25 MA's), (58, 23483), (59, 23486), (128, 23660), (145, 23720), (189, 23858), (197, 23879), (203, 23906), (429, 23981), (432, 23987), (443, 24032), (461, 24104), (464, 24119), (467, 24137), (519, 24383), (522, 24401), (539, 24458), (548, 24491), (553, 24512), (561, 24548), (580, 24602), (590, 24653), (594, 24674), (615, 24767), (622, 24794), (627, 24818), (631, 24833), (632, 24839), (663, 24968), (665, 24989), (666, 24992), (703, 25067), (711, 25082), (717, 25091), (732, 25121), (753, 25163), (760, 25193), (774, 25223), (788, 25268),

Gene: Eapen_31 Start: 22959, Stop: 24815, Start Num: 230

Candidate Starts for Eapen_31:

(Start: 230 @22959 has 141 MA's), (285, 23085), (296, 23109), (340, 23214), (342, 23220), (359, 23268), (378, 23319), (392, 23364), (395, 23370), (424, 23475), (427, 23487), (447, 23565), (465, 23634), (509, 23862), (516, 23886), (517, 23889), (522, 23916), (523, 23919), (552, 24024), (559, 24054), (562, 24069), (588, 24159), (597, 24198), (605, 24243), (643, 24411), (670, 24528), (674, 24534), (696, 24579), (723, 24630), (725, 24633), (754, 24696), (757, 24705), (787, 24792),

Gene: Echild_31 Start: 22854, Stop: 25181, Start Num: 53

Candidate Starts for Echild_31:

(Start: 53 @22854 has 32 MA's), (60, 22878), (100, 22977), (102, 22983), (111, 23010), (132, 23067), (142, 23103), (161, 23157), (170, 23184), (178, 23205), (183, 23229), (200, 23283), (280, 23394), (331, 23529), (345, 23562), (402, 23748), (464, 24000), (467, 24018), (473, 24042), (512, 24243), (522, 24282), (548, 24372), (561, 24429), (582, 24489), (590, 24534), (594, 24555), (622, 24675), (627, 24699), (635, 24744), (644, 24777), (695, 24933), (753, 25044), (774, 25104), (788, 25158), (791, 25167),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 48

Candidate Starts for Edison31_33:

(Start: 48 @23483 has 25 MA's), (58, 23516), (128, 23693), (187, 23885), (189, 23891), (197, 23912), (203, 23939), (458, 24119), (464, 24152), (467, 24170), (473, 24194), (491, 24302), (506, 24368), (522, 24434), (539, 24491), (548, 24524), (561, 24581), (580, 24635), (584, 24650), (593, 24704), (617, 24812), (622, 24827), (627, 24851), (631, 24866), (658, 24983), (663, 25001), (665, 25022), (666, 25025), (703, 25100), (711, 25115), (753, 25196), (760, 25226), (774, 25256), (788, 25301), (789, 25304),

Gene: EdogawaKiddo_31 Start: 24389, Stop: 26143, Start Num: 55

Candidate Starts for EdogawaKiddo_31:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (490, 25115), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (703, 25925), (711, 25940), (760, 26051), (788, 26126),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 51

Candidate Starts for Eidsmoe_33:

(Start: 51 @24443 has 26 MA's), (119, 24629), (151, 24719), (171, 24764), (175, 24773), (280, 24851), (293, 24875), (305, 24911), (464, 25040), (467, 25058), (512, 25283), (519, 25304), (522, 25322), (548, 25412), (561, 25469), (593, 25592), (622, 25715), (631, 25754), (643, 25811), (663, 25892), (665, 25913), (666, 25916), (711, 26006), (760, 26117), (788, 26192),

Gene: Ekdilam_24 Start: 21084, Stop: 23462, Start Num: 68

Candidate Starts for Ekdilam_24:

(Start: 68 @21084 has 11 MA's), (70, 21093), (88, 21132), (130, 21255), (152, 21324), (190, 21444), (245, 21612), (264, 21654), (284, 21705), (302, 21747), (303, 21750), (311, 21771), (335, 21837), (368, 21933), (400, 22029), (413, 22077), (429, 22146), (447, 22215), (460, 22254), (465, 22284), (491, 22428), (521, 22563), (522, 22566), (523, 22569), (533, 22608), (548, 22662), (565, 22725), (587, 22803), (588, 22809), (592, 22824), (593, 22836), (600, 22866), (617, 22953), (619, 22959), (644, 23064), (650, 23088), (653, 23109), (665, 23163), (676, 23193), (698, 23223), (745, 23304), (753, 23325), (754, 23328), (789, 23436),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 51

Candidate Starts for Elephantoon_32:

(Start: 51 @23816 has 26 MA's), (119, 24002), (151, 24092), (171, 24137), (175, 24146), (270, 24215), (280, 24224), (293, 24248), (305, 24284), (443, 24326), (458, 24380), (464, 24413), (467, 24431), (473, 24455), (474, 24461), (506, 24629), (512, 24656), (522, 24695), (548, 24785), (561, 24842), (583, 24908), (593, 24965), (601, 25004), (622, 25088), (631, 25127), (663, 25265), (665, 25286), (666, 25289), (711, 25379), (753, 25460), (788, 25565),

Gene: Ellie_24 Start: 21059, Stop: 23461, Start Num: 68

Candidate Starts for Ellie_24:

(Start: 68 @21059 has 11 MA's), (82, 21089), (88, 21107), (115, 21191), (177, 21365), (216, 21497), (245, 21587), (264, 21629), (284, 21680), (302, 21722), (303, 21725), (323, 21782), (332, 21806), (335, 21812), (351, 21851), (368, 21908), (400, 22004), (429, 22121), (447, 22190), (460, 22229), (465, 22259), (475, 22301), (491, 22403), (521, 22538), (522, 22541), (523, 22544), (533, 22583), (548, 22637), (587, 22775), (588, 22781), (592, 22796), (593, 22808), (600, 22838), (617, 22925), (619, 22931), (629, 22973), (653, 23081), (665, 23135), (705, 23231), (708, 23237), (719, 23255), (738, 23291), (740, 23294), (744, 23303), (753, 23327), (759, 23354),

Gene: Ellson_21 Start: 19717, Stop: 22227, Start Num: 18

Candidate Starts for Ellson_21:

(Start: 18 @19717 has 19 MA's), (29, 19780), (65, 19900), (142, 20086), (184, 20212), (187, 20224), (194, 20242), (204, 20281), (217, 20311), (253, 20398), (276, 20458), (278, 20464), (337, 20605), (340, 20611), (343, 20620), (351, 20638), (370, 20698), (377, 20719), (390, 20770), (391, 20773), (412, 20842), (449, 20995), (469, 21079), (473, 21097), (475, 21106), (494, 21217), (497, 21235), (508, 21289), (521, 21334), (526, 21349), (540, 21397), (562, 21487), (568, 21505), (585, 21556), (590, 21589), (593, 21607), (602, 21646), (610, 21682), (620, 21727), (626, 21751), (631, 21772), (634, 21790), (642, 21823), (643, 21826), (654, 21877), (671, 21943), (685, 21967), (722, 22042), (739, 22078), (766, 22147),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 51

Candidate Starts for EmyBug_33:

(Start: 51 @24443 has 26 MA's), (119, 24629), (151, 24719), (171, 24764), (175, 24773), (280, 24851), (293, 24875), (305, 24911), (464, 25040), (467, 25058), (512, 25283), (519, 25304), (522, 25322), (548, 25412), (561, 25469), (593, 25592), (622, 25715), (631, 25754), (643, 25811), (663, 25892), (665, 25913), (666, 25916), (711, 26006), (760, 26117), (788, 26192),

Gene: Enkosi_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Enkosi_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for EpicPhail_33:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Equemioh13_33 Start: 23218, Stop: 25425, Start Num: 53

Candidate Starts for Equemioh13_33:

(Start: 53 @23218 has 32 MA's), (97, 23332), (100, 23341), (102, 23347), (109, 23368), (145, 23479), (178, 23569), (181, 23581), (280, 23758), (296, 23797), (331, 23893), (441, 24154), (464, 24244), (470, 24274), (473, 24286), (509, 24484), (548, 24625), (553, 24646), (580, 24736), (582, 24742), (583, 24748), (590, 24787), (594, 24808), (601, 24844), (602, 24847), (617, 24913), (622, 24928), (624, 24931), (627, 24952), (634, 24985), (666, 25129), (692, 25177), (729, 25240), (757, 25300), (774, 25348), (788, 25402),

Gene: Eris_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Eris_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Eros_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Eros_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: EtoileNova_32 Start: 23377, Stop: 25236, Start Num: 223

Candidate Starts for EtoileNova_32:

(Start: 223 @23377 has 32 MA's), (289, 23521), (298, 23539), (317, 23578), (324, 23599), (341, 23641), (349, 23659), (404, 23818), (411, 23845), (438, 23950), (443, 23971), (464, 24058), (473, 24100), (522, 24340), (548, 24430), (561, 24487), (602, 24652), (615, 24706), (617, 24718), (622, 24733), (652, 24862), (653, 24874), (666, 24934), (670, 24946), (698, 24991), (705, 25009), (774, 25156), (781, 25183), (788, 25213),

Gene: Eurydice_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Eurydice_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (602, 24223), (605, 24241), (627, 24340), (670, 24526), (696, 24577), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: EvilGenius_33 Start: 23186, Stop: 25663, Start Num: 23

Candidate Starts for EvilGenius_33:

(Start: 23 @23186 has 36 MA's), (30, 23207), (55, 23297), (92, 23396), (107, 23444), (113, 23465), (158, 23576), (244, 23822), (255, 23849), (261, 23864), (292, 23939), (346, 24080), (370, 24152), (400, 24254), (460, 24464), (473, 24527), (492, 24638), (493, 24641), (505, 24698), (521, 24764), (522, 24767), (526, 24779), (538, 24821), (548, 24863), (561, 24920), (590, 25025), (594, 25046), (602, 25085), (635, 25235), (639, 25241), (652, 25295), (653, 25307), (656, 25316), (660, 25337), (689, 25406), (737, 25505), (749, 25532), (750, 25535), (769, 25589), (778, 25616),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 51

Candidate Starts for ExplosioNervosa_33:

(Start: 51 @24446 has 26 MA's), (119, 24632), (151, 24722), (171, 24767), (175, 24776), (280, 24854), (293, 24878), (305, 24914), (464, 25043), (467, 25061), (512, 25286), (519, 25307), (522, 25325), (548, 25415), (561, 25472), (593, 25595), (622, 25718), (631, 25757), (643, 25814), (663, 25895), (665, 25916), (666, 25919), (711, 26009), (760, 26120), (788, 26195),

Gene: FF47_24 Start: 19326, Stop: 21644, Start Num: 90

Candidate Starts for FF47_24:

(Start: 90 @19326 has 2 MA's), (155, 19527), (171, 19572), (176, 19584), (206, 19695), (225, 19761), (281, 19902), (329, 20034), (349, 20073), (354, 20085), (365, 20124), (373, 20142), (383, 20178), (406, 20238), (424, 20313), (434, 20340), (447, 20403), (463, 20460), (500, 20655), (517, 20724), (520, 20742), (521, 20748), (522, 20751), (523, 20754), (554, 20871), (556, 20877), (582, 20955), (591, 21003), (592, 21006), (607, 21084), (617, 21135), (622, 21150), (625, 21162), (639, 21225), (644, 21246), (649, 21267), (662, 21324), (665, 21345), (685, 21384), (703, 21426), (722, 21459), (725, 21465), (731, 21480), (765, 21564),

Gene: Faiyaz_27 Start: 23429, Stop: 26023, Start Num: 17

Candidate Starts for Faiyaz_27:

(Start: 17 @23429 has 5 MA's), (20, 23468), (41, 23543), (74, 23645), (77, 23654), (107, 23732), (137, 23813), (140, 23822), (155, 23867), (156, 23870), (160, 23879), (164, 23891), (165, 23894), (174, 23918), (182, 23945), (183, 23954), (202, 24017), (Start: 222 @24083 has 1 MA's), (237, 24119), (238, 24122), (271, 24194), (275, 24200), (299, 24269), (327, 24353), (358, 24434), (364, 24455), (421, 24629), (429, 24656), (442, 24707), (452, 24752), (464, 24803), (465, 24812), (480, 24890), (502, 25013), (503, 25016), (504, 25019), (528, 25130), (546, 25193), (558, 25241), (584, 25328), (588, 25355), (590, 25364), (592, 25370), (602, 25421), (627, 25538), (628, 25541), (647, 25625), (654, 25661), (663, 25691), (666, 25715), (691, 25766), (694, 25772), (698, 25778), (752, 25880), (761, 25916), (788, 26006), (791, 26015),

Gene: Fameo_31 Start: 22816, Stop: 25014, Start Num: 54

Candidate Starts for Fameo_31:

(Start: 54 @22816 has 29 MA's), (60, 22837), (100, 22936), (132, 23026), (142, 23062), (178, 23164), (181, 23176), (280, 23353), (331, 23488), (381, 23629), (464, 23842), (467, 23860), (473, 23884), (512, 24085), (548, 24214), (561, 24271), (582, 24331), (590, 24376), (594, 24397), (622, 24517), (643, 24607), (644, 24610), (666, 24715), (677, 24739), (697, 24769), (698, 24772), (774, 24937), (788, 24991),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 266

Candidate Starts for Farber_33:

(Start: 266 @23270 has 65 MA's), (320, 23405), (348, 23471), (362, 23516), (379, 23552), (420, 23684), (429, 23720), (435, 23741), (449, 23798), (464, 23858), (476, 23912), (484, 23972), (508, 24092), (509, 24095), (528, 24164), (537, 24188), (561, 24281), (568, 24302), (583, 24347), (655, 24677), (674, 24746), (705, 24809), (778, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 51

Candidate Starts for Fayely_33:

(Start: 51 @24410 has 26 MA's), (55, 24422), (119, 24596), (151, 24686), (171, 24731), (175, 24740), (280, 24818), (293, 24842), (305, 24878), (464, 25007), (467, 25025), (512, 25250), (519, 25271), (522, 25289), (548, 25379), (561, 25436), (593, 25559), (622, 25682), (631, 25721), (643, 25778), (663, 25859), (665, 25880), (666, 25883), (711, 25973), (760, 26084), (788, 26159),

Gene: Fefferhead_26 Start: 21226, Stop: 23613, Start Num: 68

Candidate Starts for Fefferhead_26:

(Start: 68 @21226 has 11 MA's), (82, 21256), (88, 21274), (115, 21358), (177, 21532), (216, 21664), (245, 21754), (264, 21796), (284, 21847), (302, 21889), (303, 21892), (323, 21949), (332, 21973),

(335, 21979), (351, 22018), (368, 22075), (400, 22171), (429, 22288), (447, 22357), (460, 22396), (462, 22405), (465, 22426), (475, 22468), (491, 22570), (521, 22705), (522, 22708), (523, 22711), (533, 22750), (548, 22804), (593, 22978), (617, 23095), (619, 23101), (643, 23203), (666, 23308), (667, 23314), (690, 23362), (741, 23455), (753, 23479), (760, 23509), (789, 23587),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for Fernando_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: Findley_23 Start: 18661, Stop: 21000, Start Num: 23

Candidate Starts for Findley_23:

(Start: 23 @18661 has 36 MA's), (76, 18832), (86, 18850), (139, 18901), (181, 19018), (188, 19051), (232, 19180), (243, 19189), (249, 19204), (254, 19216), (258, 19225), (278, 19273), (322, 19369), (329, 19387), (339, 19408), (356, 19453), (393, 19555), (415, 19627), (425, 19669), (426, 19675), (429, 19684), (448, 19771), (454, 19792), (464, 19834), (468, 19855), (489, 19972), (491, 19981), (499, 20017), (509, 20071), (526, 20125), (528, 20137), (537, 20161), (562, 20257), (568, 20275), (578, 20302), (590, 20359), (602, 20416), (632, 20548), (639, 20578), (651, 20629), (654, 20647), (663, 20677), (681, 20731), (696, 20761), (705, 20782), (762, 20914),

Gene: Finnry_21 Start: 19728, Stop: 22241, Start Num: 18

Candidate Starts for Finnry_21:

(Start: 18 @19728 has 19 MA's), (29, 19791), (50, 19863), (82, 19953), (84, 19959), (108, 20031), (184, 20223), (187, 20235), (194, 20253), (204, 20292), (217, 20322), (233, 20379), (253, 20409), (256, 20415), (276, 20469), (278, 20475), (339, 20622), (340, 20625), (343, 20634), (351, 20652), (370, 20712), (374, 20721), (377, 20733), (390, 20784), (391, 20787), (436, 20952), (449, 21009), (469, 21093), (473, 21111), (475, 21120), (484, 21183), (508, 21303), (521, 21348), (526, 21363), (531, 21381), (540, 21411), (562, 21501), (585, 21570), (590, 21603), (594, 21624), (602, 21660), (610, 21696), (620, 21741), (626, 21765), (627, 21771), (631, 21786), (634, 21804), (642, 21837), (654, 21891), (660, 21915), (669, 21951), (671, 21957), (685, 21981), (759, 22146), (761, 22155), (766, 22161),

Gene: Fionnbharth_28 Start: 22273, Stop: 24582, Start Num: 37

Candidate Starts for Fionnbharth_28:

(Start: 37 @22273 has 31 MA's), (66, 22363), (73, 22384), (85, 22408), (127, 22525), (170, 22654), (186, 22714), (210, 22786), (214, 22795), (229, 22846), (231, 22852), (234, 22861), (259, 22912), (286, 22924), (301, 22939), (304, 22945), (316, 22978), (338, 23026), (369, 23080), (399, 23152), (413, 23191), (417, 23203), (429, 23218), (442, 23263), (459, 23332), (476, 23413), (502, 23566), (513, 23608), (543, 23737), (550, 23782), (564, 23848), (570, 23863), (594, 23959), (627, 24112), (631, 24127), (632, 24133), (635, 24157), (636, 24163), (637, 24169), (638, 24172), (644, 24196), (647, 24208), (667, 24304), (694, 24355), (696, 24358), (735, 24427), (753, 24463), (761, 24496), (783, 24550), (786, 24559), (791, 24574),

Gene: FiringLine_31 Start: 22638, Stop: 24839, Start Num: 54

Candidate Starts for FiringLine_31:

(Start: 54 @22638 has 29 MA's), (60, 22659), (100, 22758), (102, 22764), (111, 22791), (112, 22794), (132, 22848), (142, 22884), (178, 22986), (280, 23175), (330, 23307), (331, 23310), (464, 23664), (467, 23682), (473, 23706), (512, 23907), (522, 23946), (548, 24036), (561, 24093), (582, 24153), (590, 24198), (594, 24219), (617, 24324), (622, 24339), (627, 24363), (635, 24408), (644, 24435), (653, 24480), (677, 24564), (757, 24714), (774, 24762), (781, 24786),

Gene: First_0031 Start: 22858, Stop: 25263, Start Num: 54

Candidate Starts for First_0031:

(Start: 54 @22858 has 29 MA's), (60, 22879), (97, 22969), (100, 22978), (109, 22999), (132, 23062), (142, 23098), (170, 23179), (189, 23248), (197, 23269), (200, 23278), (245, 23410), (280, 23500), (287, 23515), (331, 23635), (345, 23668), (349, 23677), (381, 23776), (387, 23803), (441, 24016), (464, 24106), (467, 24124), (473, 24148), (512, 24349), (522, 24388), (527, 24409), (539, 24445), (548, 24478), (553, 24499), (561, 24535), (580, 24589), (590, 24640), (594, 24661), (617, 24766), (622, 24781), (663, 24949), (675, 24991), (712, 25060), (785, 25231), (787, 25240), (788, 25246),

Gene: Flare16_31 Start: 22776, Stop: 24998, Start Num: 53

Candidate Starts for Flare16_31:

(Start: 53 @22776 has 32 MA's), (97, 22890), (102, 22905), (145, 23037), (183, 23151), (188, 23172), (200, 23205), (280, 23316), (296, 23355), (331, 23451), (367, 23553), (464, 23802), (470, 23832), (473, 23844), (505, 24015), (522, 24084), (548, 24183), (580, 24294), (582, 24300), (583, 24306), (590, 24345), (601, 24402), (602, 24405), (617, 24471), (635, 24555), (653, 24627), (692, 24747), (752, 24858), (767, 24909), (774, 24921),

Gene: Florean_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Florean_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Flux_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Flux_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: ForesterFrank_33 Start: 24779, Stop: 26557, Start Num: 54

Candidate Starts for ForesterFrank_33:

(Start: 54 @24779 has 29 MA's), (97, 24890), (100, 24899), (132, 24986), (145, 25034), (151, 25046), (183, 25148), (280, 25202), (292, 25223), (295, 25235), (441, 25301), (464, 25391), (467, 25409), (473, 25433), (491, 25541), (496, 25568), (499, 25577), (522, 25673), (539, 25730), (580, 25874), (593, 25943), (622, 26066), (631, 26105), (663, 26240), (665, 26261), (675, 26282), (711, 26354), (753, 26435), (774, 26495), (785, 26525), (788, 26540),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 223

Candidate Starts for Fred313_31:

(Start: 223 @22584 has 32 MA's), (282, 22710), (285, 22719), (317, 22785), (324, 22806), (341, 22848), (396, 23004), (411, 23052), (427, 23121), (429, 23127), (438, 23157), (464, 23265), (467, 23283), (473, 23307), (522, 23547), (548, 23637), (582, 23754), (602, 23859), (617, 23925), (622, 23940), (660, 24111), (705, 24216), (735, 24270), (755, 24309), (774, 24363), (781, 24390), (787, 24414),

Gene: Fulbright_20 Start: 17553, Stop: 20198, Start Num: 8

Candidate Starts for Fulbright_20:

(6, 17541), (Start: 8 @17553 has 17 MA's), (10, 17565), (11, 17577), (15, 17631), (30, 17700), (31, 17703), (Start: 33 @17712 has 1 MA's), (36, 17727), (103, 17904), (137, 17985), (140, 17994), (203, 18198), (221, 18246), (Start: 222 @18261 has 1 MA's), (231, 18282), (238, 18300), (247, 18324), (254, 18339), (258, 18348), (271, 18375), (275, 18381), (299, 18450), (306, 18471), (309, 18477), (313, 18486), (320, 18513), (327, 18531), (362, 18624), (370, 18645), (405, 18756), (413, 18774), (421, 18807), (442, 18885), (465, 18990), (475, 19032), (516, 19251), (524, 19290), (525, 19293), (528, 19308), (546, 19371), (558, 19419), (588, 19533), (594, 19563), (600, 19590), (602, 19599), (627, 19716), (635, 19761), (647, 19803), (663, 19869), (666, 19893), (691, 19941), (694, 19947), (698, 19953), (703, 19968), (751, 20052), (761, 20091), (788, 20181), (791, 20190),

Gene: Funston_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Funston_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Gadost_31 Start: 22964, Stop: 24820, Start Num: 230

Candidate Starts for Gadost_31:

(Start: 230 @22964 has 141 MA's), (285, 23090), (296, 23114), (340, 23219), (342, 23225), (359, 23273), (362, 23282), (378, 23324), (392, 23369), (395, 23375), (424, 23480), (427, 23492), (447, 23570), (465, 23639), (509, 23867), (516, 23891), (517, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (559, 24059), (588, 24164), (597, 24203), (605, 24248), (641, 24410), (643, 24416), (670, 24533), (674, 24539), (696, 24584), (723, 24635), (725, 24638), (754, 24701), (757, 24710), (787, 24797),

Gene: Gail_31 Start: 22024, Stop: 24468, Start Num: 23

Candidate Starts for Gail_31:

(Start: 23 @22024 has 36 MA's), (97, 22237), (117, 22294), (138, 22315), (267, 22669), (296, 22747), (345, 22870), (346, 22873), (367, 22930), (370, 22936), (376, 22954), (383, 22981), (398, 23035), (400, 23038), (460, 23272), (465, 23302), (467, 23311), (491, 23443), (505, 23506), (510, 23533), (521, 23572), (548, 23674), (568, 23752), (582, 23791), (590, 23836), (593, 23854), (602, 23896), (616, 23962), (621, 23977), (631, 24016), (632, 24022), (673, 24193), (689, 24214), (701, 24241), (757, 24358), (766, 24388),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 54

Candidate Starts for GaugeLDP_33:

(Start: 54 @24026 has 29 MA's), (60, 24047), (97, 24137), (100, 24146), (102, 24152), (145, 24284), (151, 24296), (170, 24353), (177, 24371), (295, 24485), (441, 24551), (464, 24641), (467, 24659), (473, 24683), (512, 24884), (522, 24923), (548, 25013), (553, 25034), (580, 25124), (590, 25175), (594, 25196), (627, 25340), (631, 25355), (637, 25385), (663, 25490), (665, 25511), (711, 25604), (732, 25643), (753, 25685), (760, 25715), (788, 25790),

Gene: Gavriela_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for Gavriela_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254),

(691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 45

Candidate Starts for Gemma_33:

(Start: 45 @23357 has 18 MA's), (97, 23492), (119, 23558), (135, 23603), (145, 23639), (178, 23729), (183, 23753), (270, 23798), (292, 23828), (464, 23996), (467, 24014), (473, 24038), (502, 24200), (512, 24239), (522, 24278), (548, 24368), (590, 24530), (594, 24551), (613, 24638), (627, 24695), (631, 24710), (645, 24773), (663, 24848), (665, 24869), (711, 24962), (732, 25001), (753, 25043), (787, 25142),

Gene: Georgie2_32 Start: 22683, Stop: 24884, Start Num: 54

Candidate Starts for Georgie2_32:

(Start: 54 @22683 has 29 MA's), (60, 22704), (100, 22803), (102, 22809), (111, 22836), (112, 22839), (132, 22893), (142, 22929), (178, 23031), (280, 23220), (330, 23352), (331, 23355), (464, 23709), (467, 23727), (473, 23751), (512, 23952), (522, 23991), (548, 24081), (561, 24138), (582, 24198), (590, 24243), (594, 24264), (617, 24369), (622, 24384), (627, 24408), (635, 24453), (644, 24480), (653, 24525), (666, 24585), (677, 24609), (757, 24759), (774, 24807), (781, 24831),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 266

Candidate Starts for GingkoMaracino_33:

(Start: 266 @23163 has 65 MA's), (320, 23298), (348, 23364), (362, 23409), (379, 23445), (420, 23577), (429, 23613), (435, 23634), (449, 23691), (464, 23751), (476, 23805), (484, 23865), (508, 23985), (509, 23988), (528, 24057), (537, 24081), (561, 24174), (568, 24195), (583, 24240), (655, 24570), (674, 24639), (705, 24702), (778, 24873),

Gene: Giroux_32 Start: 22838, Stop: 24697, Start Num: 223

Candidate Starts for Giroux_32:

(Start: 223 @22838 has 32 MA's), (289, 22982), (297, 22997), (317, 23039), (362, 23162), (379, 23210), (393, 23252), (396, 23258), (404, 23279), (464, 23519), (470, 23549), (479, 23597), (502, 23723), (512, 23762), (522, 23801), (539, 23858), (548, 23891), (590, 24053), (591, 24056), (602, 24113), (617, 24179), (622, 24194), (666, 24395), (732, 24521), (735, 24524), (767, 24605), (774, 24617), (781, 24644), (788, 24674),

Gene: Glaske_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for Glaske_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254), (691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 48

Candidate Starts for Goose_32:

(Start: 48 @23270 has 25 MA's), (58, 23303), (62, 23318), (178, 23630), (183, 23654), (187, 23672), (188, 23675), (189, 23678), (197, 23699), (203, 23726), (464, 23939), (467, 23957), (473, 23981), (496, 24116), (499, 24125), (522, 24221), (539, 24278), (548, 24311), (580, 24422), (593, 24491), (617, 24599), (622, 24614), (631, 24653), (632, 24659), (648, 24725), (663, 24788), (665, 24809), (666, 24812), (667, 24818), (675, 24830), (703, 24887), (711, 24902), (717, 24911), (728, 24926),

(753, 24983), (774, 25043), (788, 25088), (789, 25091),

Gene: Gratitude_32 Start: 23218, Stop: 25425, Start Num: 53

Candidate Starts for Gratitude_32:

(Start: 53 @23218 has 32 MA's), (97, 23332), (100, 23341), (102, 23347), (109, 23368), (145, 23479), (178, 23569), (181, 23581), (280, 23758), (296, 23797), (331, 23893), (441, 24154), (464, 24244), (470, 24274), (473, 24286), (509, 24484), (548, 24625), (553, 24646), (580, 24736), (582, 24742), (583, 24748), (590, 24787), (594, 24808), (601, 24844), (602, 24847), (617, 24913), (622, 24928), (624, 24931), (627, 24952), (634, 24985), (666, 25129), (692, 25177), (729, 25240), (757, 25300), (774, 25348), (788, 25402),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 266

Candidate Starts for Grif_33:

(Start: 266 @23360 has 65 MA's), (320, 23495), (348, 23561), (362, 23606), (379, 23642), (401, 23714), (409, 23732), (429, 23810), (435, 23831), (464, 23948), (489, 24086), (508, 24182), (509, 24185), (528, 24254), (537, 24278), (551, 24323), (561, 24371), (583, 24437), (618, 24608), (620, 24614), (632, 24665), (643, 24710), (663, 24788), (674, 24830), (696, 24872), (747, 24974), (749, 24977), (757, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Groupthink_34:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (145, 23643), (178, 23733), (183, 23757), (270, 23802), (292, 23832), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for Grub_33:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for Grum1_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for GtownJaz_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: Gwennie_32 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for Gwennie_32:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655,

24684), (674, 24753), (705, 24816), (778, 24987),

Gene: HamSlice_30 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for HamSlice_30:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (559, 24053), (562, 24068), (588, 24158), (597, 24197), (605, 24242), (643, 24410), (670, 24527), (674, 24533), (696, 24578), (723, 24629), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: Hammy_26 Start: 21316, Stop: 23694, Start Num: 68

Candidate Starts for Hammy_26:

(Start: 68 @21316 has 11 MA's), (70, 21325), (88, 21364), (130, 21487), (146, 21544), (152, 21556), (177, 21622), (190, 21676), (216, 21754), (245, 21844), (264, 21886), (284, 21937), (302, 21979), (303, 21982), (311, 22003), (332, 22063), (335, 22069), (400, 22261), (429, 22378), (460, 22486), (463, 22504), (465, 22516), (491, 22660), (521, 22795), (522, 22798), (523, 22801), (532, 22834), (533, 22840), (548, 22894), (581, 23002), (587, 23035), (588, 23041), (592, 23056), (600, 23098), (617, 23185), (619, 23191), (650, 23320), (653, 23341), (745, 23536), (753, 23557), (754, 23560), (763, 23599), (789, 23668),

Gene: Hanray_32 Start: 24381, Stop: 26147, Start Num: 51

Candidate Starts for Hanray_32:

(Start: 51 @24381 has 26 MA's), (55, 24393), (119, 24567), (151, 24657), (171, 24702), (175, 24711), (280, 24789), (293, 24813), (305, 24849), (464, 24978), (467, 24996), (512, 25221), (519, 25242), (522, 25260), (548, 25350), (561, 25407), (593, 25530), (622, 25653), (631, 25692), (643, 25749), (663, 25830), (665, 25851), (666, 25854), (703, 25929), (711, 25944), (760, 26055), (788, 26130),

Gene: Happiness_31 Start: 22966, Stop: 24822, Start Num: 230

Candidate Starts for Happiness_31:

(Start: 230 @22966 has 141 MA's), (285, 23092), (296, 23116), (325, 23191), (340, 23221), (359, 23275), (362, 23284), (378, 23326), (395, 23377), (424, 23482), (427, 23494), (447, 23572), (465, 23641), (495, 23809), (504, 23839), (509, 23869), (516, 23893), (517, 23896), (522, 23923), (523, 23926), (552, 24031), (556, 24052), (559, 24061), (588, 24166), (597, 24205), (605, 24250), (641, 24412), (670, 24535), (696, 24586), (723, 24637), (725, 24640), (754, 24703), (757, 24712), (787, 24799),

Gene: HarryHoudini_33 Start: 23229, Stop: 25313, Start Num: 53

Candidate Starts for HarryHoudini_33:

(Start: 53 @23229 has 32 MA's), (97, 23343), (102, 23358), (178, 23580), (181, 23592), (280, 23769), (331, 23904), (346, 23940), (464, 24141), (467, 24159), (473, 24183), (512, 24384), (522, 24423), (526, 24435), (548, 24513), (561, 24570), (582, 24630), (583, 24636), (594, 24696), (617, 24801), (622, 24816), (628, 24843), (653, 24957), (654, 24960), (665, 25011), (667, 25020), (670, 25026), (683, 25050), (708, 25104), (721, 25128), (764, 25233), (789, 25299),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 266

Candidate Starts for HashRod_34:

(Start: 266 @23364 has 65 MA's), (320, 23499), (348, 23565), (362, 23610), (379, 23646), (414, 23757), (420, 23778), (429, 23814), (435, 23835), (464, 23952), (489, 24090), (508, 24186), (509, 24189), (528, 24258), (537, 24282), (551, 24327), (561, 24375), (583, 24441), (618, 24612), (620, 24618), (632, 24669), (643, 24714), (651, 24744), (663, 24792), (674, 24834), (682, 24849), (685, 24852), (696, 24876), (747, 24978), (749, 24981), (757, 25005),

Gene: Hashim76_34 Start: 28773, Stop: 31235, Start Num: 24

Candidate Starts for Hashim76_34:

(Start: 24 @28773 has 8 MA's), (27, 28782), (56, 28887), (67, 28920), (78, 28947), (98, 28989), (142, 29103), (164, 29166), (174, 29193), (185, 29235), (259, 29442), (271, 29478), (285, 29511), (318, 29577), (352, 29664), (357, 29685), (368, 29718), (412, 29847), (426, 29913), (464, 30060), (467, 30078), (491, 30210), (496, 30237), (505, 30273), (522, 30342), (526, 30354), (536, 30384), (539, 30399), (546, 30420), (561, 30489), (566, 30501), (583, 30555), (585, 30561), (589, 30591), (593, 30612), (627, 30759), (635, 30804), (644, 30831), (754, 31101), (774, 31158), (780, 31179),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 45

Candidate Starts for HaveUMetTed_34:

(Start: 45 @23354 has 18 MA's), (97, 23489), (119, 23555), (135, 23600), (136, 23603), (183, 23750), (270, 23795), (292, 23825), (464, 23993), (467, 24011), (473, 24035), (502, 24197), (512, 24236), (522, 24275), (548, 24365), (590, 24527), (594, 24548), (613, 24635), (627, 24692), (631, 24707), (645, 24770), (663, 24845), (665, 24866), (711, 24959), (732, 24998), (753, 25040), (787, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 223

Candidate Starts for Heathen_31:

(Start: 223 @22640 has 32 MA's), (282, 22766), (285, 22775), (317, 22841), (324, 22862), (341, 22904), (396, 23060), (411, 23108), (427, 23177), (429, 23183), (438, 23213), (464, 23321), (467, 23339), (473, 23363), (522, 23603), (548, 23693), (582, 23810), (602, 23915), (617, 23981), (622, 23996), (660, 24167), (705, 24272), (735, 24326), (755, 24365), (774, 24419), (781, 24446), (787, 24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 54

Candidate Starts for Heffalump_33:

(Start: 54 @24558 has 29 MA's), (60, 24579), (100, 24678), (111, 24711), (132, 24768), (142, 24804), (441, 25083), (443, 25086), (464, 25173), (467, 25191), (473, 25215), (490, 25314), (502, 25377), (512, 25416), (522, 25455), (548, 25545), (555, 25575), (562, 25605), (571, 25629), (590, 25707), (594, 25728), (627, 25872), (631, 25887), (663, 26025), (665, 26046), (711, 26139), (732, 26178), (739, 26187), (753, 26220), (760, 26250), (774, 26280), (787, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 223

Candidate Starts for HelDan_31:

(Start: 223 @22892 has 32 MA's), (282, 23018), (285, 23027), (317, 23093), (324, 23114), (341, 23156), (396, 23312), (411, 23360), (427, 23429), (429, 23435), (438, 23465), (464, 23573), (467, 23591), (473, 23615), (522, 23855), (548, 23945), (582, 24062), (602, 24167), (617, 24233), (622, 24248), (660, 24419), (705, 24524), (735, 24578), (755, 24617), (774, 24671), (781, 24698), (787, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Heliosoles_33:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (145, 23643), (178, 23733), (183, 23757), (270, 23802), (292, 23832), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 266

Candidate Starts for Hercules11_33:

(Start: 266 @23284 has 65 MA's), (320, 23419), (348, 23485), (362, 23530), (379, 23566), (420, 23698), (429, 23734), (435, 23755), (449, 23812), (464, 23872), (476, 23926), (484, 23986), (508, 24106), (509, 24109), (528, 24178), (537, 24202), (561, 24295), (568, 24316), (583, 24361), (655, 24691), (674, 24760), (705, 24823), (778, 24994),

Gene: Hilltopfarm_27 Start: 23459, Stop: 26053, Start Num: 17

Candidate Starts for Hilltopfarm_27:

(Start: 17 @23459 has 5 MA's), (20, 23498), (41, 23573), (74, 23675), (77, 23684), (107, 23762), (137, 23843), (140, 23852), (155, 23897), (156, 23900), (160, 23909), (164, 23921), (165, 23924), (174, 23948), (182, 23975), (183, 23984), (202, 24047), (Start: 222 @24113 has 1 MA's), (237, 24149), (238, 24152), (271, 24224), (275, 24230), (299, 24299), (327, 24383), (358, 24464), (364, 24485), (405, 24608), (421, 24659), (429, 24686), (442, 24737), (452, 24782), (464, 24833), (465, 24842), (473, 24875), (480, 24920), (502, 25043), (503, 25046), (504, 25049), (528, 25160), (546, 25223), (558, 25271), (584, 25358), (588, 25385), (590, 25394), (592, 25400), (600, 25442), (602, 25451), (627, 25568), (628, 25571), (647, 25655), (654, 25691), (666, 25745), (691, 25796), (694, 25802), (698, 25808), (718, 25850), (752, 25910), (761, 25946), (788, 26036), (791, 26045),

Gene: HippoHollow_32 Start: 24484, Stop: 26271, Start Num: 53

Candidate Starts for HippoHollow_32:

(Start: 53 @24484 has 32 MA's), (60, 24508), (97, 24598), (100, 24607), (111, 24640), (132, 24697), (162, 24790), (460, 25081), (464, 25102), (467, 25120), (473, 25144), (512, 25345), (522, 25384), (548, 25474), (561, 25531), (594, 25657), (617, 25762), (631, 25816), (663, 25954), (666, 25978), (711, 26068), (732, 26107), (746, 26131), (753, 26149), (788, 26254),

Gene: Horex_32 Start: 24381, Stop: 26147, Start Num: 51

Candidate Starts for Horex_32:

(Start: 51 @24381 has 26 MA's), (55, 24393), (119, 24567), (151, 24657), (171, 24702), (175, 24711), (280, 24789), (293, 24813), (305, 24849), (464, 24978), (467, 24996), (512, 25221), (519, 25242), (522, 25260), (548, 25350), (561, 25407), (593, 25530), (622, 25653), (631, 25692), (643, 25749), (663, 25830), (665, 25851), (666, 25854), (711, 25944), (760, 26055), (788, 26130),

Gene: Holli_31 Start: 22750, Stop: 24606, Start Num: 230

Candidate Starts for Holli_31:

(Start: 230 @22750 has 141 MA's), (285, 22876), (296, 22900), (340, 23005), (342, 23011), (359, 23059), (362, 23068), (378, 23110), (392, 23155), (395, 23161), (424, 23266), (427, 23278), (447, 23356), (465, 23425), (509, 23653), (516, 23677), (517, 23680), (522, 23707), (523, 23710), (552, 23815), (559, 23845), (562, 23860), (588, 23950), (597, 23989), (605, 24034), (643, 24202), (670, 24319), (674, 24325), (696, 24370), (723, 24421), (725, 24424), (754, 24487), (757, 24496), (787, 24583),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 223

Candidate Starts for Hookmount_32:

(Start: 223 @23374 has 32 MA's), (289, 23518), (298, 23536), (317, 23575), (324, 23596), (341, 23638), (349, 23656), (404, 23815), (411, 23842), (438, 23947), (443, 23968), (464, 24055), (473, 24097), (522, 24337), (548, 24427), (561, 24484), (602, 24649), (615, 24703), (617, 24715), (622, 24730), (652, 24859), (653, 24871), (666, 24931), (670, 24943), (698, 24988), (705, 25006), (774, 25153), (781, 25180), (788, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for HortumSL17_33:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: Houdini22_31 Start: 22964, Stop: 24820, Start Num: 230

Candidate Starts for Houdini22_31:

(Start: 230 @22964 has 141 MA's), (285, 23090), (296, 23114), (340, 23219), (342, 23225), (359, 23273), (362, 23282), (378, 23324), (392, 23369), (395, 23375), (424, 23480), (427, 23492), (447, 23570), (465, 23639), (509, 23867), (516, 23891), (517, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (559, 24059), (588, 24164), (597, 24203), (605, 24248), (641, 24410), (643, 24416), (670, 24533), (674, 24539), (696, 24584), (723, 24635), (725, 24638), (754, 24701), (757, 24710), (787, 24797),

Gene: Hurricane_26 Start: 21315, Stop: 23663, Start Num: 23

Candidate Starts for Hurricane_26:

(Start: 23 @21315 has 36 MA's), (32, 21342), (40, 21375), (55, 21420), (74, 21480), (168, 21636), (183, 21681), (194, 21717), (200, 21735), (Start: 223 @21813 has 32 MA's), (249, 21861), (307, 21993), (329, 22047), (336, 22062), (382, 22170), (415, 22287), (425, 22329), (426, 22335), (429, 22344), (434, 22353), (449, 22434), (454, 22452), (456, 22455), (464, 22494), (468, 22515), (473, 22536), (475, 22545), (489, 22632), (507, 22725), (508, 22728), (528, 22800), (568, 22938), (583, 22983), (590, 23022), (593, 23040), (615, 23139), (619, 23157), (632, 23211), (639, 23241), (643, 23259), (650, 23286), (651, 23292), (663, 23340), (691, 23415), (696, 23424), (705, 23445), (709, 23454), (757, 23553), (771, 23595),

Gene: Huxley_31 Start: 23021, Stop: 24877, Start Num: 230

Candidate Starts for Huxley_31:

(Start: 230 @23021 has 141 MA's), (285, 23147), (296, 23171), (340, 23276), (342, 23282), (359, 23330), (378, 23381), (392, 23426), (395, 23432), (424, 23537), (427, 23549), (444, 23612), (447, 23627), (465, 23696), (509, 23924), (516, 23948), (517, 23951), (522, 23978), (523, 23981), (552, 24086), (556, 24107), (559, 24116), (588, 24221), (597, 24260), (605, 24305), (670, 24590), (674, 24596), (696, 24641), (723, 24692), (725, 24695), (754, 24758), (757, 24767), (787, 24854),

Gene: ICleared_31 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for ICleared_31:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (556, 24044), (559, 24053), (588, 24158), (597, 24197), (605, 24242), (641, 24404), (643, 24410), (670, 24527), (674, 24533), (696, 24578), (723, 24629), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: Iceman_32 Start: 23249, Stop: 25105, Start Num: 230

Candidate Starts for Iceman_32:

(Start: 230 @23249 has 141 MA's), (285, 23375), (296, 23399), (340, 23504), (342, 23510), (359, 23558), (378, 23609), (392, 23654), (395, 23660), (424, 23765), (427, 23777), (447, 23855), (465, 23924), (509, 24152), (516, 24176), (517, 24179), (522, 24206), (523, 24209), (552, 24314), (559, 24344), (562, 24359), (588, 24449), (597, 24488), (605, 24533), (643, 24701), (667, 24812), (670, 24818), (674, 24824), (696, 24869), (723, 24920), (725, 24923), (754, 24986), (757, 24995), (787, 25082),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 223

Candidate Starts for Idleandcovert_31:

(Start: 223 @22838 has 32 MA's), (289, 22982), (297, 22997), (317, 23039), (362, 23162), (379, 23210), (393, 23252), (396, 23258), (404, 23279), (464, 23519), (470, 23549), (479, 23597), (502, 23723), (512, 23762), (522, 23801), (539, 23858), (548, 23891), (590, 24053), (591, 24056), (602, 24113), (617, 24179), (622, 24194), (666, 24395), (732, 24521), (735, 24524), (767, 24605), (774, 24617), (781, 24644), (788, 24674),

Gene: Impisi_21 Start: 17560, Stop: 20205, Start Num: 8

Candidate Starts for Impisi_21:

(6, 17548), (Start: 8 @17560 has 17 MA's), (10, 17572), (20, 17683), (30, 17707), (31, 17710), (Start: 33 @17719 has 1 MA's), (81, 17857), (100, 17899), (101, 17902), (137, 17992), (140, 18001), (141, 18004), (148, 18025), (153, 18037), (164, 18070), (182, 18124), (202, 18202), (214, 18232), (Start: 222 @18268 has 1 MA's), (247, 18331), (254, 18346), (271, 18379), (299, 18454), (306, 18478), (309, 18484), (314, 18496), (327, 18538), (330, 18544), (362, 18631), (370, 18652), (379, 18676), (400, 18742), (405, 18763), (413, 18781), (421, 18814), (428, 18838), (429, 18841), (442, 18892), (465, 18997), (475, 19039), (504, 19204), (525, 19300), (546, 19378), (549, 19390), (575, 19480), (588, 19540), (590, 19549), (600, 19597), (602, 19606), (627, 19723), (635, 19768), (647, 19810), (663, 19876), (666, 19900), (691, 19948), (694, 19954), (698, 19960), (751, 20059), (754, 20068), (761, 20098), (788, 20188), (791, 20197),

Gene: Imvubu_24 Start: 26459, Stop: 28915, Start Num: 24

Candidate Starts for Imvubu_24:

(Start: 24 @26459 has 8 MA's), (Start: 53 @26561 has 32 MA's), (56, 26573), (75, 26630), (134, 26753), (142, 26783), (174, 26873), (218, 27020), (232, 27071), (250, 27101), (259, 27122), (271, 27158), (273, 27161), (275, 27164), (285, 27191), (317, 27251), (318, 27257), (327, 27284), (352, 27344), (363, 27383), (398, 27479), (412, 27527), (426, 27593), (443, 27653), (458, 27707), (464, 27740), (467, 27758), (496, 27917), (502, 27944), (505, 27953), (506, 27956), (512, 27983), (521, 28019), (522, 28022), (526, 28034), (536, 28064), (542, 28088), (548, 28112), (561, 28169), (585, 28241), (589, 28271), (590, 28274), (593, 28292), (594, 28295), (599, 28316), (604, 28349), (624, 28418), (635, 28484), (644, 28511), (650, 28535), (653, 28556), (663, 28592), (666, 28616), (697, 28670), (703, 28688), (732, 28742), (735, 28745), (755, 28784), (761, 28814), (774, 28838),

Gene: Indlovu_28 Start: 28755, Stop: 31250, Start Num: 22

Candidate Starts for Indlovu_28:

(Start: 22 @28755 has 1 MA's), (Start: 39 @28815 has 1 MA's), (131, 29073), (133, 29079), (142, 29112), (170, 29193), (212, 29331), (241, 29403), (252, 29430), (271, 29484), (285, 29517), (294, 29532), (318, 29592), (331, 29628), (335, 29637), (339, 29646), (351, 29676), (357, 29700), (368, 29733), (388, 29799), (398, 29814), (407, 29844), (409, 29853), (426, 29928), (438, 29964), (439, 29970), (443, 29985), (463, 30069), (464, 30072), (467, 30090), (490, 30213), (496, 30249), (512, 30315), (522, 30354), (526, 30366), (539, 30411), (546, 30432), (548, 30444), (583, 30567), (584, 30570), (585, 30573), (589, 30603), (590, 30606), (601, 30663), (604, 30681), (615, 30720), (624, 30750), (644, 30843), (660, 30918), (663, 30924), (732, 31074), (755, 31116), (764, 31152), (774, 31170), (781, 31197), (788, 31227),

Gene: Iracema64_32 Start: 23268, Stop: 25124, Start Num: 230

Candidate Starts for Iracema64_32:

(Start: 230 @23268 has 141 MA's), (285, 23394), (296, 23418), (340, 23523), (342, 23529), (359, 23577), (362, 23586), (378, 23628), (392, 23673), (395, 23679), (424, 23784), (427, 23796), (444, 23859), (447, 23874), (465, 23943), (495, 24111), (509, 24171), (517, 24198), (522, 24225), (523, 24228), (552, 24333), (556, 24354), (559, 24363), (588, 24468), (605, 24552), (627, 24651), (670, 24837), (674, 24843), (696, 24888), (723, 24939), (725, 24942), (754, 25005), (757, 25014), (787, 25101),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 54

Candidate Starts for IronMan_34:

(25, 24744), (Start: 54 @24846 has 29 MA's), (60, 24867), (97, 24957), (100, 24966), (122, 25023), (132, 25050), (136, 25065), (162, 25143), (265, 25236), (270, 25257), (292, 25287), (295, 25299), (458, 25422), (464, 25455), (467, 25473), (473, 25497), (493, 25611), (512, 25698), (522, 25737), (539, 25794), (590, 25989), (594, 26010), (627, 26154), (631, 26169), (663, 26304), (666, 26328), (711, 26418), (753, 26499), (788, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 223

Candidate Starts for Isca_31:

(Start: 223 @22776 has 32 MA's), (282, 22902), (289, 22920), (297, 22935), (317, 22977), (396, 23196), (404, 23217), (411, 23244), (429, 23319), (438, 23349), (464, 23457), (467, 23475), (473, 23499), (522, 23739), (539, 23796), (548, 23829), (575, 23922), (582, 23946), (602, 24051), (617, 24117), (622, 24132), (660, 24303), (705, 24408), (732, 24459), (735, 24462), (755, 24501), (774, 24555), (781, 24582), (787, 24606),

Gene: Iwokeuplikedis_32 Start: 22493, Stop: 24805, Start Num: 53

Candidate Starts for Iwokeuplikedis_32:

(Start: 53 @22493 has 32 MA's), (100, 22616), (102, 22622), (111, 22649), (119, 22673), (183, 22868), (245, 23054), (280, 23144), (289, 23165), (304, 23201), (331, 23279), (345, 23312), (349, 23321), (460, 23612), (464, 23633), (467, 23651), (473, 23675), (491, 23783), (512, 23876), (522, 23915), (548, 24005), (582, 24122), (590, 24167), (594, 24188), (635, 24377), (643, 24398), (666, 24506), (677, 24530), (697, 24560), (755, 24674), (757, 24680), (774, 24728), (788, 24782),

Gene: JF1_28 Start: 22272, Stop: 24581, Start Num: 37

Candidate Starts for JF1_28:

(Start: 37 @22272 has 31 MA's), (66, 22362), (73, 22383), (85, 22407), (127, 22524), (170, 22653), (186, 22713), (210, 22785), (214, 22794), (229, 22845), (231, 22851), (234, 22860), (259, 22911), (286, 22923), (301, 22938), (304, 22944), (316, 22977), (338, 23025), (369, 23079), (399, 23151), (413, 23190), (417, 23202), (429, 23217), (442, 23262), (459, 23331), (476, 23412), (502, 23565), (513, 23607), (543, 23736), (550, 23781), (564, 23847), (570, 23862), (594, 23958), (627, 24111), (631, 24126), (632, 24132), (635, 24156), (636, 24162), (637, 24168), (638, 24171), (644, 24195), (647, 24207), (667, 24303), (694, 24354), (696, 24357), (735, 24426), (753, 24462), (761, 24495), (783, 24549), (786, 24558), (791, 24573),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 223

Candidate Starts for JF2_31:

(Start: 223 @22527 has 32 MA's), (282, 22653), (289, 22671), (297, 22686), (317, 22728), (341, 22791), (394, 22944), (396, 22947), (404, 22968), (411, 22995), (429, 23070), (443, 23121), (464, 23208), (473, 23250), (522, 23490), (539, 23547), (548, 23580), (575, 23673), (582, 23697), (602, 23802), (617, 23868), (622, 23883), (660, 24054), (705, 24159), (735, 24213), (755, 24252), (770, 24300), (774, 24306), (781, 24333), (787, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 223

Candidate Starts for JF4_31:

(Start: 223 @22527 has 32 MA's), (282, 22653), (289, 22671), (297, 22686), (317, 22728), (341, 22791), (394, 22944), (396, 22947), (404, 22968), (411, 22995), (429, 23070), (443, 23121), (464, 23208), (473, 23250), (522, 23490), (539, 23547), (548, 23580), (575, 23673), (582, 23697), (602, 23802), (617, 23868), (622, 23883), (660, 24054), (705, 24159), (735, 24213), (755, 24252), (770, 24300), (774, 24306), (781, 24333), (787, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 266

Candidate Starts for JHC117_33:

(Start: 266 @23275 has 65 MA's), (320, 23410), (348, 23476), (362, 23521), (379, 23557), (420, 23689), (429, 23725), (435, 23746), (449, 23803), (464, 23863), (476, 23917), (484, 23977), (508, 24097), (509, 24100), (528, 24169), (537, 24193), (561, 24286), (568, 24307), (583, 24352), (655, 24682), (674, 24751), (705, 24814), (778, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 48

Candidate Starts for Jaan_35:

(36, 25179), (Start: 48 @25218 has 25 MA's), (97, 25329), (100, 25338), (122, 25395), (132, 25422), (162, 25515), (265, 25608), (270, 25629), (292, 25659), (295, 25671), (458, 25794), (464, 25827), (467, 25845), (473, 25869), (493, 25983), (497, 26007), (512, 26070), (522, 26109), (526, 26121), (539, 26166), (590, 26361), (594, 26382), (631, 26541), (632, 26547), (648, 26613), (663, 26676), (665, 26697), (711, 26790), (753, 26871), (760, 26901), (774, 26931), (788, 26976),

Gene: Jaykayelowell_31 Start: 22956, Stop: 24812, Start Num: 230

Candidate Starts for Jaykayelowell_31:

(Start: 230 @22956 has 141 MA's), (285, 23082), (296, 23106), (340, 23211), (342, 23217), (359, 23265), (378, 23316), (392, 23361), (395, 23367), (424, 23472), (427, 23484), (447, 23562), (465, 23631), (509, 23859), (517, 23886), (522, 23913), (523, 23916), (552, 24021), (559, 24051), (562, 24066), (588, 24156), (597, 24195), (605, 24240), (643, 24408), (670, 24525), (674, 24531), (696, 24576), (723, 24627), (725, 24630), (754, 24693), (757, 24702), (787, 24789),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for JenCasNa_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 45

Candidate Starts for JeppNRM_34:

(Start: 45 @23360 has 18 MA's), (97, 23495), (119, 23561), (135, 23606), (136, 23609), (171, 23714), (183, 23756), (270, 23801), (292, 23831), (459, 23972), (464, 23999), (467, 24017), (473, 24041), (502, 24203), (512, 24242), (522, 24281), (548, 24371), (590, 24533), (594, 24554), (613, 24641), (627, 24698), (631, 24713), (645, 24776), (663, 24851), (665, 24872), (711, 24965), (732, 25004), (753, 25046), (787, 25145),

Gene: Jerm_33 Start: 23204, Stop: 25408, Start Num: 53

Candidate Starts for Jerm_33:

(Start: 53 @23204 has 32 MA's), (97, 23318), (100, 23327), (111, 23360), (132, 23417), (178, 23555), (280, 23744), (331, 23879), (349, 23921), (372, 23993), (464, 24233), (467, 24251), (473, 24275), (491, 24383), (512, 24476), (522, 24515), (548, 24605), (561, 24662), (562, 24665), (582, 24722), (583, 24728), (590, 24767), (594, 24788), (644, 25004), (653, 25049), (703, 25181), (727, 25217), (736, 25238), (755, 25277), (774, 25331), (792, 25400),

Gene: JetBlade_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for JetBlade_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Jiawan_32 Start: 24413, Stop: 26179, Start Num: 51

Candidate Starts for Jiawan_32:

(Start: 51 @24413 has 26 MA's), (55, 24425), (119, 24599), (151, 24689), (171, 24734), (175, 24743), (280, 24821), (293, 24845), (305, 24881), (464, 25010), (467, 25028), (512, 25253), (519, 25274), (522, 25292), (548, 25382), (561, 25439), (593, 25562), (622, 25685), (631, 25724), (643, 25781), (663, 25862), (665, 25883), (666, 25886), (703, 25961), (711, 25976), (760, 26087), (788, 26162),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 45

Candidate Starts for Jobu08_33:

(Start: 45 @23349 has 18 MA's), (97, 23484), (119, 23550), (135, 23595), (171, 23703), (183, 23745), (270, 23790), (292, 23820), (464, 23988), (467, 24006), (473, 24030), (497, 24168), (502, 24192), (512, 24231), (522, 24270), (548, 24360), (590, 24522), (594, 24543), (613, 24630), (631, 24702), (637, 24732), (648, 24774), (663, 24837), (666, 24861), (703, 24936), (711, 24951), (732, 24990), (753, 25032), (788, 25137),

Gene: Jobypre_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for Jobypre_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782), (634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: JoongJeon_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for JoongJeon_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: JoshKayV_33 Start: 23180, Stop: 25381, Start Num: 54

Candidate Starts for JoshKayV_33:

(Start: 54 @23180 has 29 MA's), (60, 23201), (97, 23291), (100, 23300), (132, 23390), (178, 23528), (183, 23552), (200, 23606), (280, 23717), (292, 23741), (331, 23852), (349, 23894), (464, 24206), (467, 24224), (473, 24248), (491, 24356), (512, 24449), (522, 24488), (548, 24578), (582, 24695), (583, 24701), (590, 24740), (594, 24761), (635, 24950), (644, 24977), (653, 25022), (727, 25190), (736, 25211), (755, 25250), (774, 25304), (792, 25373),

Gene: Jubie_21 Start: 19725, Stop: 22238, Start Num: 18

Candidate Starts for Jubie_21:

(Start: 18 @19725 has 19 MA's), (29, 19788), (50, 19860), (82, 19950), (84, 19956), (108, 20028), (150, 20115), (184, 20220), (187, 20232), (194, 20250), (204, 20289), (217, 20319), (233, 20376), (253, 20406), (256, 20412), (276, 20466), (278, 20472), (339, 20619), (340, 20622), (343, 20631), (351, 20649), (370, 20709), (374, 20718), (377, 20730), (390, 20781), (391, 20784), (436, 20949), (449, 21006), (469, 21090), (473, 21108), (475, 21117), (484, 21180), (508, 21300), (518, 21324), (521, 21345), (526, 21360), (531, 21378), (540, 21408), (562, 21498), (585, 21567), (590, 21600), (594, 21621), (602, 21657), (610, 21693), (620, 21738), (626, 21762), (627, 21768), (631, 21783), (634, 21801), (654, 21888), (660, 21912), (669, 21948), (671, 21954), (685, 21978), (722, 22053), (724, 22056), (759, 22143), (761, 22152), (766, 22158),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 266

Candidate Starts for KADY_34:

(Start: 266 @23364 has 65 MA's), (320, 23499), (348, 23565), (362, 23610), (379, 23646), (414, 23757), (420, 23778), (429, 23814), (435, 23835), (464, 23952), (489, 24090), (508, 24186), (509,

24189), (528, 24258), (537, 24282), (551, 24327), (561, 24375), (583, 24441), (618, 24612), (620, 24618), (632, 24669), (643, 24714), (651, 24744), (663, 24792), (674, 24834), (682, 24849), (685, 24852), (696, 24876), (747, 24978), (749, 24981), (757, 25005),

Gene: KFPoly_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for KFPoly_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (556, 24043), (559, 24052), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Kachowdy_31 Start: 22892, Stop: 24751, Start Num: 223

Candidate Starts for Kachowdy_31:

(Start: 223 @22892 has 32 MA's), (282, 23018), (285, 23027), (317, 23093), (324, 23114), (341, 23156), (396, 23312), (411, 23360), (427, 23429), (429, 23435), (438, 23465), (464, 23573), (467, 23591), (473, 23615), (522, 23855), (548, 23945), (582, 24062), (602, 24167), (617, 24233), (622, 24248), (660, 24419), (705, 24524), (735, 24578), (755, 24617), (774, 24671), (781, 24698), (787, 24722),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 45

Candidate Starts for Kalb97_34:

(Start: 45 @23360 has 18 MA's), (97, 23495), (119, 23561), (135, 23606), (145, 23642), (178, 23732), (183, 23756), (270, 23801), (292, 23831), (464, 23999), (467, 24017), (473, 24041), (502, 24203), (512, 24242), (522, 24281), (548, 24371), (590, 24533), (594, 24554), (613, 24641), (627, 24698), (631, 24713), (645, 24776), (663, 24851), (665, 24872), (711, 24965), (732, 25004), (739, 25013), (753, 25046), (787, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Kalnoky_34:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (136, 23610), (171, 23715), (183, 23757), (270, 23802), (292, 23832), (459, 23973), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 52

Candidate Starts for Kalpine_34:

(Start: 52 @24570 has 2 MA's), (97, 24684), (100, 24693), (145, 24825), (441, 25092), (464, 25182), (467, 25200), (512, 25425), (522, 25464), (526, 25476), (548, 25554), (561, 25611), (580, 25665), (593, 25734), (620, 25851), (631, 25896), (644, 25953), (663, 26031), (665, 26052), (675, 26073), (711, 26145), (753, 26226), (760, 26256), (774, 26286), (788, 26331),

Gene: Kamy_31 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for Kamy_31:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (362, 23276), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (559, 24053), (562, 24068), (588, 24158), (597, 24197), (602, 24224), (605, 24242), (627, 24341), (670, 24527), (696, 24578), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: Katalie136_31 Start: 22972, Stop: 24831, Start Num: 230

Candidate Starts for Katalie136_31:

(208, 22912), (Start: 230 @22972 has 141 MA's), (260, 23038), (279, 23083), (282, 23089), (296, 23122), (304, 23140), (319, 23185), (321, 23191), (325, 23197), (362, 23290), (368, 23305), (392, 23377), (413, 23437), (424, 23488), (427, 23500), (447, 23578), (465, 23647), (487, 23770), (492, 23794), (509, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (559, 24070), (574, 24112), (582, 24139), (588, 24175), (593, 24202), (597, 24214), (630, 24370), (670, 24544), (674, 24550), (696, 24595), (723, 24646), (725, 24649), (741, 24685), (757, 24721),

Gene: KekoraPapaka_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for KekoraPapaka_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Keshu_26 Start: 21307, Stop: 23655, Start Num: 23

Candidate Starts for Keshu_26:

(Start: 23 @21307 has 36 MA's), (32, 21334), (40, 21367), (55, 21412), (183, 21676), (184, 21682), (187, 21694), (249, 21856), (303, 21976), (307, 21988), (329, 22042), (336, 22057), (339, 22063), (356, 22108), (359, 22123), (377, 22150), (382, 22165), (415, 22282), (426, 22330), (429, 22339), (438, 22372), (440, 22384), (448, 22417), (449, 22420), (455, 22444), (464, 22486), (468, 22507), (473, 22528), (475, 22537), (508, 22723), (528, 22792), (548, 22852), (560, 22900), (585, 22981), (590, 23014), (617, 23143), (622, 23158), (632, 23203), (633, 23212), (639, 23233), (650, 23278), (651, 23284), (657, 23311), (663, 23332), (674, 23374), (696, 23416), (710, 23446), (757, 23545), (758, 23551), (771, 23587),

Gene: Keziacharles14_31 Start: 22419, Stop: 24875, Start Num: 21

Candidate Starts for Keziacharles14_31:

(Start: 21 @22419 has 5 MA's), (Start: 52 @22524 has 2 MA's), (117, 22692), (217, 22947), (232, 23004), (279, 23106), (296, 23148), (370, 23337), (371, 23340), (376, 23355), (386, 23394), (400, 23439), (409, 23475), (464, 23700), (467, 23718), (510, 23940), (514, 23946), (521, 23979), (548, 24081), (582, 24198), (590, 24243), (602, 24303), (616, 24369), (621, 24384), (623, 24387), (627, 24408), (631, 24423), (632, 24429), (667, 24588), (701, 24648), (766, 24795),

Gene: KilKor_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for KilKor_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254), (691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: KingCyrus_33 Start: 23177, Stop: 25654, Start Num: 23

Candidate Starts for KingCyrus_33:

(Start: 23 @23177 has 36 MA's), (30, 23198), (55, 23288), (57, 23297), (92, 23387), (107, 23435), (158, 23567), (227, 23786), (244, 23813), (261, 23855), (292, 23930), (346, 24071), (352, 24086), (367, 24137), (370, 24143), (400, 24245), (416, 24287), (460, 24455), (468, 24497), (473, 24518),

(492, 24629), (493, 24632), (505, 24689), (521, 24755), (522, 24758), (526, 24770), (538, 24812), (539, 24821), (548, 24854), (561, 24911), (594, 25037), (601, 25073), (602, 25076), (635, 25226), (639, 25232), (652, 25286), (653, 25298), (656, 25307), (660, 25328), (678, 25382), (737, 25496), (749, 25523), (750, 25526), (769, 25580), (778, 25607),

Gene: Kingmustik0402_31 Start: 22952, Stop: 24808, Start Num: 230

Candidate Starts for Kingmustik0402_31:

(Start: 230 @22952 has 141 MA's), (285, 23078), (296, 23102), (340, 23207), (342, 23213), (359, 23261), (362, 23270), (378, 23312), (392, 23357), (395, 23363), (424, 23468), (427, 23480), (447, 23558), (465, 23627), (509, 23855), (516, 23879), (517, 23882), (522, 23909), (523, 23912), (552, 24017), (559, 24047), (562, 24062), (588, 24152), (597, 24191), (605, 24236), (643, 24404), (670, 24521), (674, 24527), (696, 24572), (723, 24623), (725, 24626), (754, 24689), (757, 24698), (787, 24785),

Gene: Kingsolomon_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for Kingsolomon_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782), (634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: KirDoubleO7_19 Start: 19718, Stop: 22231, Start Num: 18

Candidate Starts for KirDoubleO7_19:

(Start: 18 @19718 has 19 MA's), (29, 19781), (50, 19853), (84, 19949), (108, 20021), (150, 20108), (184, 20213), (194, 20243), (204, 20282), (217, 20312), (233, 20369), (253, 20399), (256, 20405), (276, 20459), (278, 20465), (339, 20612), (340, 20615), (343, 20624), (351, 20642), (370, 20702), (377, 20723), (390, 20774), (391, 20777), (401, 20804), (436, 20942), (449, 20999), (469, 21083), (473, 21101), (475, 21110), (484, 21173), (497, 21239), (508, 21293), (521, 21338), (526, 21353), (540, 21401), (562, 21491), (568, 21509), (583, 21554), (585, 21560), (590, 21593), (593, 21611), (602, 21650), (610, 21686), (620, 21731), (626, 21755), (631, 21776), (634, 21794), (642, 21827), (660, 21905), (669, 21941), (685, 21971), (722, 22046), (739, 22082), (761, 22145), (766, 22151),

Gene: KittenMittens_31 Start: 21406, Stop: 23688, Start Num: 48

Candidate Starts for KittenMittens_31:

(Start: 48 @21406 has 25 MA's), (58, 21439), (93, 21523), (116, 21589), (197, 21835), (200, 21844), (Start: 222 @21928 has 1 MA's), (251, 22003), (280, 22081), (310, 22156), (343, 22246), (356, 22279), (426, 22372), (464, 22519), (467, 22537), (473, 22561), (512, 22762), (522, 22801), (548, 22891), (561, 22948), (594, 23074), (597, 23083), (600, 23101), (602, 23113), (627, 23218), (631, 23233), (632, 23239), (639, 23272), (663, 23371), (665, 23392), (666, 23395), (696, 23452), (703, 23470), (705, 23473), (711, 23485), (732, 23524), (753, 23566), (754, 23569), (788, 23671),

Gene: Knocker_32 Start: 31412, Stop: 33868, Start Num: 24

Candidate Starts for Knocker_32:

(Start: 24 @31412 has 8 MA's), (27, 31421), (44, 31490), (56, 31526), (98, 31628), (136, 31715), (142, 31736), (152, 31763), (154, 31772), (173, 31823), (174, 31826), (178, 31838), (181, 31847), (259, 32075), (269, 32105), (271, 32111), (285, 32144), (318, 32210), (327, 32237), (339, 32264), (341, 32270), (352, 32297), (398, 32432), (404, 32450), (412, 32480), (420, 32519), (426, 32546), (441, 32603), (443, 32606), (464, 32693), (467, 32711), (473, 32735), (475, 32744), (505, 32906), (506,

32909), (521, 32972), (522, 32975), (526, 32987), (536, 33017), (539, 33032), (546, 33053), (548, 33065), (561, 33122), (567, 33140), (585, 33194), (589, 33224), (590, 33227), (593, 33245), (594, 33248), (599, 33269), (604, 33302), (608, 33317), (624, 33371), (627, 33392), (628, 33395), (634, 33425), (635, 33437), (644, 33464), (645, 33467), (650, 33488), (663, 33545), (666, 33569), (703, 33641), (741, 33707), (754, 33734), (755, 33737), (757, 33743), (774, 33791), (780, 33812), (788, 33848),

Gene: Koan_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Koan_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Koreni_30 Start: 22606, Stop: 24462, Start Num: 230

Candidate Starts for Koreni_30:

(Start: 230 @22606 has 141 MA's), (285, 22732), (296, 22756), (340, 22861), (342, 22867), (359, 22915), (362, 22924), (378, 22966), (392, 23011), (395, 23017), (424, 23122), (427, 23134), (447, 23212), (465, 23281), (509, 23509), (516, 23533), (517, 23536), (522, 23563), (523, 23566), (552, 23671), (556, 23692), (559, 23701), (588, 23806), (597, 23845), (605, 23890), (641, 24052), (643, 24058), (670, 24175), (674, 24181), (696, 24226), (723, 24277), (725, 24280), (754, 24343), (757, 24352), (787, 24439),

Gene: Kratak_31 Start: 22952, Stop: 24808, Start Num: 230

Candidate Starts for Kratak_31:

(Start: 230 @22952 has 141 MA's), (285, 23078), (296, 23102), (340, 23207), (342, 23213), (359, 23261), (378, 23312), (392, 23357), (395, 23363), (424, 23468), (427, 23480), (444, 23543), (447, 23558), (465, 23627), (509, 23855), (516, 23879), (517, 23882), (522, 23909), (523, 23912), (552, 24017), (556, 24038), (559, 24047), (588, 24152), (597, 24191), (605, 24236), (627, 24335), (670, 24521), (674, 24527), (696, 24572), (723, 24623), (725, 24626), (754, 24689), (757, 24698), (787, 24785),

Gene: Kraw_28 Start: 22196, Stop: 24505, Start Num: 37

Candidate Starts for Kraw_28:

(Start: 37 @22196 has 31 MA's), (66, 22286), (73, 22307), (85, 22331), (127, 22448), (170, 22577), (186, 22637), (210, 22709), (214, 22718), (229, 22769), (231, 22775), (234, 22784), (259, 22835), (286, 22847), (301, 22862), (304, 22868), (316, 22901), (338, 22949), (369, 23003), (399, 23075), (413, 23114), (417, 23126), (429, 23141), (442, 23186), (459, 23255), (476, 23336), (502, 23489), (513, 23531), (543, 23660), (550, 23705), (564, 23771), (570, 23786), (594, 23882), (627, 24035), (631, 24050), (632, 24056), (635, 24080), (636, 24086), (637, 24092), (638, 24095), (644, 24119), (647, 24131), (667, 24227), (694, 24278), (696, 24281), (735, 24350), (753, 24386), (761, 24419), (786, 24482), (791, 24497),

Gene: Kremtemulon_31 Start: 23008, Stop: 24867, Start Num: 230

Candidate Starts for Kremtemulon_31:

(Start: 230 @23008 has 141 MA's), (285, 23134), (296, 23158), (340, 23263), (342, 23269), (359, 23317), (362, 23326), (378, 23368), (395, 23419), (424, 23524), (427, 23536), (447, 23614), (465, 23683), (509, 23911), (517, 23938), (522, 23965), (523, 23968), (552, 24073), (559, 24103), (562, 24118), (588, 24208), (597, 24247), (602, 24274), (605, 24292), (674, 24583), (711, 24661), (717, 24673), (723, 24679), (741, 24718), (754, 24745), (756, 24751), (787, 24844),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 48

Candidate Starts for Kristoff_34:

(Start: 48 @23647 has 25 MA's), (58, 23680), (128, 23857), (187, 24049), (189, 24055), (197, 24076), (203, 24103), (458, 24283), (464, 24316), (467, 24334), (473, 24358), (491, 24466), (522, 24598), (539, 24655), (548, 24688), (561, 24745), (580, 24799), (584, 24814), (593, 24868), (617, 24976), (622, 24991), (627, 25015), (631, 25030), (658, 25147), (663, 25165), (665, 25186), (666, 25189), (703, 25264), (711, 25279), (753, 25360), (760, 25390), (774, 25420), (788, 25465), (789, 25468),

Gene: Krueger_26 Start: 20014, Stop: 22350, Start Num: 23

Candidate Starts for Krueger_26:

(19, 19981), (Start: 23 @20014 has 36 MA's), (26, 20023), (38, 20071), (40, 20074), (86, 20203), (141, 20254), (178, 20350), (181, 20359), (205, 20449), (219, 20488), (249, 20560), (253, 20569), (295, 20662), (329, 20743), (341, 20773), (356, 20812), (359, 20827), (377, 20851), (393, 20911), (408, 20956), (415, 20983), (424, 21022), (429, 21040), (434, 21049), (448, 21118), (449, 21121), (454, 21139), (464, 21181), (468, 21202), (472, 21217), (475, 21232), (489, 21319), (507, 21412), (508, 21415), (528, 21487), (546, 21535), (566, 21616), (575, 21640), (582, 21664), (583, 21670), (590, 21709), (632, 21898), (650, 21973), (663, 22027), (696, 22111), (703, 22129), (749, 22216), (757, 22240), (771, 22282), (791, 22342),

Gene: Krypton555_21 Start: 19647, Stop: 22160, Start Num: 18

Candidate Starts for Krypton555_21:

(Start: 18 @19647 has 19 MA's), (29, 19710), (50, 19782), (117, 19980), (181, 20124), (184, 20142), (187, 20154), (194, 20172), (204, 20211), (210, 20226), (217, 20241), (233, 20298), (253, 20328), (256, 20334), (276, 20388), (278, 20394), (300, 20451), (339, 20541), (340, 20544), (343, 20553), (351, 20571), (370, 20631), (390, 20703), (391, 20706), (430, 20850), (436, 20871), (449, 20928), (469, 21012), (473, 21030), (475, 21039), (508, 21222), (521, 21267), (526, 21282), (531, 21300), (540, 21330), (557, 21390), (562, 21420), (585, 21489), (590, 21522), (594, 21543), (602, 21579), (608, 21609), (626, 21684), (627, 21690), (631, 21705), (634, 21723), (642, 21756), (653, 21807), (654, 21810), (661, 21837), (669, 21870), (685, 21900), (722, 21975), (739, 22011), (761, 22074), (766, 22080), (791, 22152),

Gene: Kyee_31 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for Kyee_31:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (362, 23276), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (556, 24044), (559, 24053), (588, 24158), (597, 24197), (605, 24242), (643, 24410), (670, 24527), (674, 24533), (696, 24578), (723, 24629), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for LBerry_33:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: LHTSCC_32 Start: 23274, Stop: 25130, Start Num: 230

Candidate Starts for LHTSCC_32:

(Start: 230 @23274 has 141 MA's), (285, 23400), (296, 23424), (340, 23529), (342, 23535), (359, 23583), (378, 23634), (395, 23685), (424, 23790), (427, 23802), (447, 23880), (465, 23949), (495, 24117), (504, 24147), (509, 24177), (516, 24201), (517, 24204), (522, 24231), (523, 24234), (552, 24339), (556, 24360), (559, 24369), (597, 24513), (605, 24558), (641, 24720), (670, 24843), (696,

24894), (754, 25011), (757, 25020), (787, 25107),

Gene: LadyBird_31 Start: 22727, Stop: 25135, Start Num: 53

Candidate Starts for LadyBird_31:

(Start: 53 @22727 has 32 MA's), (97, 22841), (132, 22934), (142, 22970), (189, 23120), (197, 23141), (200, 23150), (245, 23282), (280, 23372), (331, 23507), (345, 23540), (349, 23549), (381, 23648), (441, 23888), (464, 23978), (467, 23996), (473, 24020), (512, 24221), (522, 24260), (527, 24281), (539, 24317), (548, 24350), (553, 24371), (561, 24407), (580, 24461), (590, 24512), (594, 24533), (617, 24638), (622, 24653), (663, 24821), (675, 24863), (712, 24932), (785, 25103), (787, 25112), (788, 25118),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for Lambert1_32:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Landor_33 Start: 24870, Stop: 26645, Start Num: 48

Candidate Starts for Landor_33:

(36, 24831), (Start: 48 @24870 has 25 MA's), (97, 24981), (100, 24990), (122, 25047), (132, 25074), (162, 25167), (265, 25260), (270, 25281), (292, 25311), (295, 25323), (458, 25446), (464, 25479), (467, 25497), (473, 25521), (493, 25635), (502, 25683), (512, 25722), (522, 25761), (526, 25773), (539, 25818), (590, 26013), (594, 26034), (615, 26127), (631, 26193), (648, 26265), (663, 26328), (703, 26427), (711, 26442), (753, 26523), (774, 26583), (788, 26628),

Gene: LappelDuVide_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for LappelDuVide_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Larenn_32 Start: 23024, Stop: 25237, Start Num: 53

Candidate Starts for Larenn_32:

(Start: 53 @23024 has 32 MA's), (97, 23138), (102, 23153), (136, 23252), (161, 23327), (178, 23375), (181, 23387), (280, 23564), (296, 23603), (331, 23699), (345, 23732), (349, 23741), (367, 23801), (387, 23867), (464, 24053), (470, 24083), (473, 24095), (505, 24266), (522, 24335), (548, 24434), (580, 24545), (582, 24551), (583, 24557), (590, 24596), (594, 24617), (601, 24653), (602, 24656), (617, 24722), (644, 24833), (666, 24938), (697, 24992), (757, 25112), (774, 25160), (781, 25184),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 266

Candidate Starts for LarryKay_33:

(Start: 266 @23366 has 65 MA's), (320, 23501), (348, 23567), (362, 23612), (379, 23648), (414, 23759), (420, 23780), (429, 23816), (435, 23837), (464, 23954), (489, 24092), (508, 24188), (509, 24191), (528, 24260), (537, 24284), (551, 24329), (561, 24377), (583, 24443), (618, 24614), (620, 24620), (632, 24671), (643, 24716), (651, 24746), (663, 24794), (674, 24836), (682, 24851), (685, 24854), (696, 24878), (747, 24980), (749, 24983), (757, 25007),

Gene: LastHope_27 Start: 20175, Stop: 22487, Start Num: 37

Candidate Starts for LastHope_27:

(Start: 37 @20175 has 31 MA's), (97, 20325), (103, 20346), (120, 20403), (124, 20415), (143, 20469), (159, 20514), (174, 20556), (178, 20568), (189, 20613), (Start: 222 @20724 has 1 MA's), (231, 20745), (254, 20796), (283, 20811), (290, 20826), (334, 20907), (348, 20937), (369, 20976), (380, 20991), (397, 21051), (435, 21135), (452, 21207), (509, 21510), (513, 21516), (524, 21570), (525, 21573), (527, 21585), (535, 21612), (539, 21630), (541, 21636), (564, 21753), (570, 21768), (627, 22017), (631, 22032), (635, 22062), (644, 22101), (647, 22113), (667, 22209), (684, 22239), (703, 22281), (715, 22302), (742, 22344), (753, 22368), (754, 22371), (760, 22395), (761, 22401), (786, 22464), (791, 22479),

Gene: Lavahound_25 Start: 20978, Stop: 23365, Start Num: 68

Candidate Starts for Lavahound_25:

(Start: 68 @20978 has 11 MA's), (82, 21008), (88, 21026), (115, 21110), (177, 21284), (216, 21416), (245, 21506), (264, 21548), (284, 21599), (302, 21641), (303, 21644), (323, 21701), (332, 21725), (335, 21731), (351, 21770), (368, 21827), (400, 21923), (429, 22040), (447, 22109), (460, 22148), (462, 22157), (465, 22178), (475, 22220), (521, 22457), (522, 22460), (523, 22463), (533, 22502), (548, 22556), (593, 22730), (600, 22760), (617, 22847), (619, 22853), (643, 22955), (666, 23060), (667, 23066), (690, 23114), (741, 23207), (753, 23231), (760, 23261), (789, 23339),

Gene: Lea83_26 Start: 21295, Stop: 23643, Start Num: 23

Candidate Starts for Lea83_26:

(Start: 23 @21295 has 36 MA's), (32, 21322), (40, 21355), (55, 21400), (169, 21619), (183, 21664), (194, 21700), (200, 21718), (Start: 223 @21796 has 32 MA's), (249, 21844), (307, 21976), (329, 22030), (336, 22045), (382, 22153), (415, 22270), (425, 22312), (426, 22318), (429, 22327), (434, 22336), (440, 22381), (449, 22417), (454, 22435), (464, 22477), (468, 22498), (473, 22519), (475, 22528), (489, 22615), (507, 22708), (508, 22711), (528, 22783), (583, 22966), (593, 23023), (615, 23122), (619, 23140), (632, 23194), (639, 23224), (642, 23239), (643, 23242), (646, 23251), (650, 23269), (651, 23275), (657, 23302), (663, 23323), (668, 23353), (691, 23398), (696, 23407), (757, 23536), (771, 23575), (773, 23578),

Gene: Lebo14_28 Start: 22289, Stop: 24595, Start Num: 37

Candidate Starts for Lebo14_28:

(Start: 37 @22289 has 31 MA's), (73, 22400), (85, 22424), (127, 22541), (170, 22670), (184, 22721), (186, 22730), (199, 22763), (210, 22802), (214, 22811), (231, 22868), (234, 22877), (259, 22928), (286, 22940), (301, 22955), (304, 22961), (316, 22994), (338, 23042), (369, 23096), (399, 23168), (413, 23207), (417, 23219), (429, 23234), (442, 23279), (459, 23348), (476, 23429), (502, 23582), (525, 23681), (527, 23693), (550, 23798), (564, 23864), (569, 23876), (570, 23879), (594, 23975), (627, 24128), (631, 24143), (632, 24149), (635, 24173), (644, 24212), (667, 24320), (696, 24374), (705, 24395), (713, 24410), (754, 24479), (761, 24509), (791, 24587),

Gene: Lemur_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Lemur_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: LeoAvram_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for LeoAvram_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559,

24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (627, 24340), (670, 24526), (696, 24577), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 48

Candidate Starts for Leogania_33:

(Start: 48 @24913 has 25 MA's), (97, 25024), (100, 25033), (132, 25120), (280, 25336), (292, 25357), (295, 25369), (460, 25504), (464, 25525), (467, 25543), (473, 25567), (491, 25675), (522, 25807), (539, 25864), (548, 25897), (561, 25954), (617, 26185), (627, 26224), (631, 26239), (663, 26374), (666, 26398), (667, 26404), (703, 26473), (711, 26488), (732, 26527), (739, 26536), (753, 26569), (788, 26674), (791, 26683),

Gene: Leviathan_33 Start: 23260, Stop: 25464, Start Num: 53

Candidate Starts for Leviathan_33:

(Start: 53 @23260 has 32 MA's), (97, 23374), (100, 23383), (102, 23389), (132, 23473), (178, 23611), (183, 23635), (200, 23689), (280, 23800), (331, 23935), (349, 23977), (372, 24049), (460, 24268), (464, 24289), (467, 24307), (473, 24331), (491, 24439), (512, 24532), (522, 24571), (548, 24661), (561, 24718), (562, 24721), (582, 24778), (583, 24784), (590, 24823), (594, 24844), (635, 25033), (642, 25054), (666, 25165), (742, 25303), (764, 25369), (774, 25387), (792, 25456),

Gene: LilPharaoh_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for LilPharaoh_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: LilTurb_33 Start: 23263, Stop: 25467, Start Num: 53

Candidate Starts for LilTurb_33:

(Start: 53 @23263 has 32 MA's), (97, 23377), (100, 23386), (111, 23419), (132, 23476), (178, 23614), (280, 23803), (331, 23938), (349, 23980), (372, 24052), (464, 24292), (467, 24310), (473, 24334), (491, 24442), (512, 24535), (522, 24574), (548, 24664), (561, 24721), (562, 24724), (582, 24781), (583, 24787), (590, 24826), (594, 24847), (635, 25036), (644, 25063), (693, 25216), (703, 25240), (734, 25294), (736, 25297), (755, 25336), (757, 25342), (774, 25390),

Gene: Lilith_33 Start: 23270, Stop: 25027, Start Num: 266

Candidate Starts for Lilith_33:

(Start: 266 @23270 has 65 MA's), (320, 23405), (348, 23471), (362, 23516), (379, 23552), (420, 23684), (429, 23720), (435, 23741), (449, 23798), (464, 23858), (476, 23912), (484, 23972), (508, 24092), (509, 24095), (528, 24164), (537, 24188), (561, 24281), (568, 24302), (583, 24347), (655, 24677), (674, 24746), (705, 24809), (778, 24980),

Gene: Lilleskat_31 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for Lilleskat_31:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: LionsBait_32 Start: 24478, Stop: 26265, Start Num: 53

Candidate Starts for LionsBait_32:

(Start: 53 @24478 has 32 MA's), (60, 24502), (97, 24592), (100, 24601), (111, 24634), (132, 24691), (162, 24784), (460, 25075), (464, 25096), (467, 25114), (473, 25138), (512, 25339), (522, 25378), (548, 25468), (561, 25525), (594, 25651), (617, 25756), (631, 25810), (663, 25948), (666, 25972), (711, 26062), (732, 26101), (746, 26125), (753, 26143), (788, 26248),

Gene: LittleB_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for LittleB_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: LittleGuy_31 Start: 22903, Stop: 24762, Start Num: 230

Candidate Starts for LittleGuy_31:

(Start: 230 @22903 has 141 MA's), (285, 23029), (296, 23053), (340, 23158), (342, 23164), (359, 23212), (362, 23221), (378, 23263), (392, 23308), (395, 23314), (424, 23419), (427, 23431), (447, 23509), (465, 23578), (522, 23860), (523, 23863), (552, 23968), (559, 23998), (588, 24103), (597, 24142), (602, 24169), (605, 24187), (674, 24478), (711, 24556), (717, 24568), (723, 24574), (741, 24613), (754, 24640), (756, 24646), (757, 24649), (787, 24739),

Gene: LiyuLake_21 Start: 19709, Stop: 22219, Start Num: 18

Candidate Starts for LiyuLake_21:

(Start: 18 @19709 has 19 MA's), (29, 19772), (65, 19892), (142, 20078), (184, 20204), (187, 20216), (194, 20234), (204, 20273), (217, 20303), (253, 20390), (276, 20450), (278, 20456), (337, 20597), (340, 20603), (343, 20612), (351, 20630), (370, 20690), (377, 20711), (390, 20762), (391, 20765), (412, 20834), (449, 20987), (469, 21071), (473, 21089), (475, 21098), (494, 21209), (497, 21227), (508, 21281), (521, 21326), (526, 21341), (540, 21389), (562, 21479), (568, 21497), (585, 21548), (590, 21581), (593, 21599), (594, 21602), (602, 21638), (608, 21668), (610, 21674), (620, 21719), (626, 21743), (627, 21749), (631, 21764), (634, 21782), (642, 21815), (643, 21818), (654, 21869), (671, 21935), (685, 21959), (722, 22034), (739, 22070), (766, 22139),

Gene: LochMonster_31 Start: 22932, Stop: 24788, Start Num: 230

Candidate Starts for LochMonster_31:

(Start: 230 @22932 has 141 MA's), (285, 23058), (296, 23082), (340, 23187), (342, 23193), (359, 23241), (362, 23250), (378, 23292), (392, 23337), (395, 23343), (424, 23448), (427, 23460), (444, 23523), (447, 23538), (465, 23607), (495, 23775), (509, 23835), (517, 23862), (522, 23889), (523, 23892), (552, 23997), (556, 24018), (559, 24027), (588, 24132), (605, 24216), (627, 24315), (670, 24501), (674, 24507), (696, 24552), (723, 24603), (725, 24606), (754, 24669), (757, 24678), (787, 24765),

Gene: Lökk_34 Start: 24358, Stop: 26142, Start Num: 53

Candidate Starts for Lökk_34:

(Start: 53 @24358 has 32 MA's), (60, 24382), (97, 24472), (100, 24481), (119, 24538), (441, 24886), (443, 24889), (464, 24976), (467, 24994), (473, 25018), (491, 25126), (512, 25219), (522, 25258), (548, 25348), (562, 25408), (580, 25459), (590, 25510), (594, 25531), (603, 25576), (627, 25675), (631, 25690), (634, 25708), (665, 25846), (675, 25867), (711, 25939), (726, 25957), (732, 25978), (745, 25999), (753, 26020), (774, 26080), (788, 26125),

Gene: Lolly9_21 Start: 19528, Stop: 22035, Start Num: 18

Candidate Starts for Lolly9_21:

(Start: 18 @19528 has 19 MA's), (29, 19591), (50, 19663), (65, 19711), (142, 19897), (184, 20023), (194, 20053), (204, 20092), (217, 20122), (253, 20209), (265, 20236), (276, 20269), (278, 20275), (300, 20326), (337, 20413), (340, 20419), (343, 20428), (351, 20446), (370, 20506), (377, 20527), (390, 20578), (391, 20581), (412, 20650), (449, 20803), (469, 20887), (473, 20905), (475, 20914), (508, 21097), (518, 21121), (521, 21142), (526, 21157), (540, 21205), (562, 21295), (566, 21304), (590, 21397), (593, 21415), (594, 21418), (610, 21490), (626, 21559), (627, 21565), (631, 21580), (634, 21598), (642, 21631), (643, 21634), (654, 21685), (660, 21709), (671, 21751), (685, 21775), (722, 21850), (724, 21853), (766, 21955),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 51

Candidate Starts for LoneWolf_32:

(Start: 51 @23970 has 26 MA's), (119, 24156), (138, 24204), (151, 24246), (171, 24291), (175, 24300), (183, 24324), (270, 24369), (280, 24378), (293, 24402), (305, 24438), (464, 24567), (467, 24585), (474, 24615), (477, 24624), (506, 24783), (512, 24810), (522, 24849), (548, 24939), (561, 24996), (583, 25062), (593, 25119), (622, 25242), (631, 25281), (663, 25419), (665, 25440), (666, 25443), (696, 25500), (711, 25533), (760, 25644), (788, 25719),

Gene: Lorenzo_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Lorenzo_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 54

Candidate Starts for Loser_35:

(Start: 54 @25033 has 29 MA's), (97, 25144), (100, 25153), (112, 25186), (132, 25240), (142, 25276), (145, 25288), (151, 25300), (270, 25447), (280, 25456), (292, 25477), (295, 25489), (441, 25555), (460, 25624), (464, 25645), (467, 25663), (473, 25687), (490, 25786), (491, 25795), (522, 25927), (539, 25984), (548, 26017), (561, 26074), (580, 26128), (593, 26197), (622, 26320), (631, 26359), (643, 26413), (663, 26494), (665, 26515), (675, 26536), (711, 26608), (753, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 266

Candidate Starts for Louie6_33:

(Start: 266 @23364 has 65 MA's), (320, 23499), (348, 23565), (362, 23610), (379, 23646), (414, 23757), (420, 23778), (429, 23814), (435, 23835), (464, 23952), (489, 24090), (508, 24186), (509, 24189), (528, 24258), (537, 24282), (551, 24327), (561, 24375), (583, 24441), (618, 24612), (620, 24618), (632, 24669), (643, 24714), (651, 24744), (663, 24792), (674, 24834), (682, 24849), (685, 24852), (696, 24876), (747, 24978), (749, 24981), (757, 25005),

Gene: Iowa_33 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for Iowa_33:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: Luchador_33 Start: 23273, Stop: 25723, Start Num: 21

Candidate Starts for Luchador_33:

(Start: 21 @23273 has 5 MA's), (Start: 24 @23279 has 8 MA's), (97, 23489), (117, 23546), (138, 23567), (217, 23798), (261, 23909), (328, 24083), (346, 24125), (367, 24182), (370, 24188), (376,

24206), (382, 24227), (383, 24233), (386, 24245), (460, 24524), (473, 24587), (493, 24701), (505, 24758), (521, 24824), (522, 24827), (526, 24839), (538, 24881), (548, 24923), (590, 25085), (594, 25106), (602, 25145), (628, 25253), (635, 25295), (642, 25316), (652, 25355), (660, 25397), (689, 25466), (737, 25565), (749, 25592), (750, 25595), (769, 25649), (778, 25676),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for LugYA_35:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Lumos_21 Start: 19721, Stop: 22234, Start Num: 18

Candidate Starts for Lumos_21:

(Start: 18 @19721 has 19 MA's), (29, 19784), (50, 19856), (82, 19946), (84, 19952), (108, 20024), (150, 20111), (184, 20216), (187, 20228), (194, 20246), (204, 20285), (217, 20315), (233, 20372), (253, 20402), (256, 20408), (276, 20462), (278, 20468), (339, 20615), (340, 20618), (343, 20627), (351, 20645), (370, 20705), (374, 20714), (377, 20726), (390, 20777), (391, 20780), (436, 20945), (449, 21002), (469, 21086), (473, 21104), (475, 21113), (484, 21176), (508, 21296), (518, 21320), (521, 21341), (526, 21356), (531, 21374), (540, 21404), (562, 21494), (585, 21563), (590, 21596), (594, 21617), (602, 21653), (610, 21689), (620, 21734), (626, 21758), (627, 21764), (631, 21779), (634, 21797), (654, 21884), (660, 21908), (669, 21944), (671, 21950), (685, 21974), (722, 22049), (724, 22052), (759, 22139), (761, 22148), (766, 22154),

Gene: Lunsford_32 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Lunsford_32:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 223

Candidate Starts for MA5_31:

(Start: 223 @22455 has 32 MA's), (262, 22533), (289, 22599), (317, 22656), (346, 22731), (396, 22875), (404, 22896), (411, 22923), (429, 22998), (443, 23049), (464, 23136), (467, 23154), (473, 23178), (522, 23418), (548, 23508), (593, 23688), (602, 23730), (617, 23796), (622, 23811), (627, 23835), (660, 23982), (666, 24012), (735, 24141), (774, 24234), (781, 24261), (787, 24285), (788, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 223

Candidate Starts for MK4_31:

(Start: 223 @22761 has 32 MA's), (282, 22887), (289, 22905), (297, 22920), (317, 22962), (341, 23025), (394, 23178), (396, 23181), (404, 23202), (411, 23229), (429, 23304), (443, 23355), (464, 23442), (467, 23460), (473, 23484), (497, 23622), (522, 23724), (539, 23781), (548, 23814), (575, 23907), (582, 23931), (602, 24036), (617, 24102), (622, 24117), (660, 24288), (705, 24393), (735, 24447), (755, 24486), (774, 24540), (781, 24567), (787, 24591),

Gene: MacnCheese_27 Start: 21549, Stop: 24002, Start Num: 23

Candidate Starts for MacnCheese_27:

(Start: 23 @21549 has 36 MA's), (32, 21576), (40, 21609), (43, 21621), (74, 21714), (169, 21978), (183, 22023), (187, 22041), (194, 22059), (200, 22077), (221, 22137), (Start: 223 @22155 has 32 MA's), (244, 22191), (Start: 266 @22242 has 65 MA's), (329, 22389), (382, 22512), (415, 22629), (425,

22671), (426, 22677), (429, 22686), (436, 22710), (449, 22776), (454, 22794), (464, 22836), (468, 22857), (473, 22878), (475, 22887), (489, 22974), (507, 23067), (508, 23070), (528, 23142), (566, 23271), (568, 23280), (583, 23325), (585, 23331), (590, 23364), (593, 23382), (615, 23481), (619, 23499), (632, 23553), (642, 23598), (651, 23634), (663, 23682), (696, 23766), (757, 23895), (771, 23934),

Gene: Maco6_22 Start: 18657, Stop: 20975, Start Num: 90

Candidate Starts for Maco6_22:

(Start: 90 @18657 has 2 MA's), (155, 18858), (171, 18903), (176, 18915), (206, 19026), (225, 19092), (281, 19233), (329, 19365), (349, 19404), (354, 19416), (365, 19455), (373, 19473), (383, 19509), (406, 19569), (424, 19644), (434, 19671), (447, 19734), (463, 19791), (500, 19986), (501, 19989), (517, 20055), (520, 20073), (521, 20079), (522, 20082), (523, 20085), (556, 20208), (572, 20256), (582, 20286), (590, 20331), (592, 20337), (600, 20379), (607, 20415), (617, 20466), (622, 20481), (626, 20499), (639, 20556), (644, 20577), (649, 20598), (662, 20655), (665, 20676), (685, 20715), (703, 20757), (722, 20790), (725, 20796), (731, 20811), (765, 20895),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 266

Candidate Starts for MadMarie_33:

(Start: 266 @23279 has 65 MA's), (320, 23414), (348, 23480), (362, 23525), (379, 23561), (420, 23693), (429, 23729), (435, 23750), (449, 23807), (464, 23867), (476, 23921), (484, 23981), (508, 24101), (509, 24104), (528, 24173), (537, 24197), (561, 24290), (568, 24311), (583, 24356), (655, 24686), (674, 24755), (705, 24818), (778, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 266

Candidate Starts for Mainiac_33:

(Start: 266 @23270 has 65 MA's), (320, 23405), (348, 23471), (362, 23516), (379, 23552), (420, 23684), (429, 23720), (435, 23741), (449, 23798), (464, 23858), (476, 23912), (484, 23972), (508, 24092), (509, 24095), (528, 24164), (537, 24188), (561, 24281), (568, 24302), (583, 24347), (655, 24677), (674, 24746), (705, 24809), (778, 24980),

Gene: MalagasyRose_27 Start: 20187, Stop: 22691, Start Num: 33

Candidate Starts for MalagasyRose_27:

(Start: 33 @20187 has 1 MA's), (104, 20397), (109, 20412), (126, 20445), (143, 20496), (212, 20712), (214, 20715), (221, 20736), (272, 20868), (274, 20871), (290, 20913), (291, 20916), (309, 20970), (310, 20973), (312, 20976), (314, 20982), (322, 21009), (333, 21039), (353, 21084), (361, 21114), (385, 21189), (410, 21270), (413, 21279), (420, 21315), (429, 21351), (442, 21402), (444, 21414), (464, 21501), (465, 21510), (473, 21543), (480, 21582), (490, 21642), (515, 21750), (528, 21822), (543, 21876), (557, 21939), (559, 21954), (566, 21978), (573, 21996), (579, 22014), (580, 22020), (584, 22035), (590, 22071), (594, 22092), (597, 22101), (614, 22191), (642, 22335), (647, 22347), (650, 22359), (660, 22407), (661, 22410), (663, 22413), (673, 22455), (689, 22476), (699, 22497), (700, 22500), (704, 22512), (759, 22596), (791, 22683),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for Malinsilva_35:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: Malthus_29 Start: 22196, Stop: 24505, Start Num: 37

Candidate Starts for Malthus_29:

(Start: 37 @22196 has 31 MA's), (66, 22286), (73, 22307), (85, 22331), (127, 22448), (170, 22577), (186, 22637), (210, 22709), (214, 22718), (229, 22769), (231, 22775), (234, 22784), (259, 22835),

(286, 22847), (301, 22862), (304, 22868), (316, 22901), (338, 22949), (369, 23003), (399, 23075), (413, 23114), (417, 23126), (429, 23141), (442, 23186), (459, 23255), (476, 23336), (502, 23489), (513, 23531), (543, 23660), (550, 23705), (564, 23771), (570, 23786), (594, 23882), (627, 24035), (631, 24050), (632, 24056), (635, 24080), (636, 24086), (637, 24092), (638, 24095), (644, 24119), (647, 24131), (667, 24227), (694, 24278), (696, 24281), (735, 24350), (753, 24386), (761, 24419), (783, 24473), (786, 24482), (791, 24497),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 51

Candidate Starts for Maminiaina_32:

(Start: 51 @23915 has 26 MA's), (112, 24080), (119, 24101), (142, 24167), (145, 24179), (151, 24191), (171, 24236), (175, 24245), (178, 24254), (270, 24314), (280, 24323), (293, 24347), (305, 24383), (457, 24476), (464, 24512), (467, 24530), (512, 24755), (519, 24776), (522, 24794), (548, 24884), (561, 24941), (575, 24977), (593, 25064), (622, 25187), (627, 25211), (631, 25226), (643, 25283), (665, 25385), (666, 25388), (711, 25478), (760, 25589), (788, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Manu_34:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (145, 23643), (178, 23733), (183, 23757), (270, 23802), (292, 23832), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for MarQuardt_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: Marchesa_31 Start: 22890, Stop: 24749, Start Num: 223

Candidate Starts for Marchesa_31:

(Start: 223 @22890 has 32 MA's), (282, 23016), (285, 23025), (317, 23091), (324, 23112), (341, 23154), (396, 23310), (411, 23358), (427, 23427), (429, 23433), (438, 23463), (464, 23571), (467, 23589), (473, 23613), (522, 23853), (548, 23943), (582, 24060), (602, 24165), (617, 24231), (622, 24246), (660, 24417), (705, 24522), (735, 24576), (755, 24615), (774, 24669), (781, 24696), (787, 24720),

Gene: Marcoliusprime_23 Start: 18661, Stop: 21000, Start Num: 23

Candidate Starts for Marcoliusprime_23:

(Start: 23 @18661 has 36 MA's), (76, 18832), (86, 18850), (97, 18874), (181, 19018), (188, 19051), (232, 19180), (243, 19189), (249, 19204), (254, 19216), (258, 19225), (278, 19273), (322, 19369), (329, 19387), (339, 19408), (356, 19453), (393, 19555), (415, 19627), (425, 19669), (426, 19675), (429, 19684), (448, 19771), (454, 19792), (464, 19834), (468, 19855), (489, 19972), (491, 19981), (509, 20071), (526, 20125), (528, 20137), (537, 20161), (568, 20275), (578, 20302), (590, 20359), (602, 20416), (632, 20548), (639, 20578), (651, 20629), (654, 20647), (663, 20677), (681, 20731), (696, 20761), (705, 20782), (762, 20914),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 223

Candidate Starts for Margo_32:

(Start: 223 @23399 has 32 MA's), (289, 23543), (317, 23600), (324, 23621), (341, 23663), (349, 23681), (404, 23840), (411, 23867), (438, 23972), (443, 23993), (464, 24080), (473, 24122), (522, 24362), (548, 24452), (561, 24509), (602, 24674), (615, 24728), (617, 24740), (622, 24755), (652,

24884), (653, 24896), (666, 24956), (670, 24968), (698, 25013), (705, 25031), (774, 25178), (781, 25205), (788, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for Marie_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Marius_34:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (145, 23643), (178, 23733), (183, 23757), (270, 23802), (292, 23832), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: Maverick_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Maverick_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Maxo_31 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for Maxo_31:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (362, 23276), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (559, 24053), (562, 24068), (588, 24158), (597, 24197), (602, 24224), (605, 24242), (627, 24341), (670, 24527), (696, 24578), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: Mayonnaise_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Mayonnaise_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Mazhar510_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for Mazhar510_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (556, 24047), (559, 24056), (588, 24161), (597, 24200), (605, 24245), (641, 24407), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: McMater_27 Start: 20230, Stop: 22731, Start Num: 37

Candidate Starts for McMater_27:

(Start: 37 @20230 has 31 MA's), (Start: 52 @20278 has 2 MA's), (71, 20329), (103, 20401), (118, 20452), (124, 20470), (137, 20503), (143, 20524), (146, 20536), (166, 20590), (189, 20668), (201, 20707), (221, 20764), (231, 20800), (254, 20851), (271, 20881), (277, 20896), (288, 20920), (299, 20953), (306, 20974), (309, 20980), (322, 21019), (379, 21172), (387, 21205), (389, 21217), (414, 21280), (442, 21364), (480, 21547), (488, 21601), (497, 21643), (543, 21835), (545, 21841), (550, 21865), (563, 21928), (577, 21967), (592, 22030), (602, 22087), (609, 22120), (612, 22138), (620, 22177), (629, 22216), (631, 22222), (640, 22279), (667, 22393), (695, 22447), (702, 22462), (716, 22492), (728, 22504), (753, 22561), (758, 22579), (768, 22609), (775, 22627), (794, 22708),

Gene: Mdavu_23 Start: 20402, Stop: 22888, Start Num: 37

Candidate Starts for Mdavu_23:

(Start: 37 @20402 has 31 MA's), (Start: 52 @20450 has 2 MA's), (120, 20630), (121, 20633), (143, 20696), (146, 20708), (189, 20840), (201, 20879), (221, 20936), (226, 20960), (231, 20972), (253, 21020), (254, 21023), (271, 21056), (288, 21095), (299, 21128), (304, 21140), (306, 21149), (309, 21155), (332, 21221), (339, 21236), (379, 21347), (387, 21380), (418, 21464), (422, 21479), (442, 21539), (459, 21608), (481, 21728), (497, 21821), (522, 21935), (543, 22013), (545, 22019), (550, 22043), (563, 22106), (564, 22109), (569, 22121), (587, 22187), (588, 22193), (596, 22235), (600, 22256), (602, 22265), (609, 22298), (612, 22316), (627, 22385), (650, 22484), (651, 22490), (654, 22508), (665, 22562), (670, 22577), (686, 22604), (714, 22661),

Gene: Medusa_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for Medusa_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (362, 23279), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (559, 24056), (562, 24071), (588, 24161), (597, 24200), (605, 24245), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: MeeZee_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for MeeZee_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Megiddo_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for Megiddo_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254), (691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: Melvin_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Melvin_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 266

Candidate Starts for Methuselah_32:

(Start: 266 @23360 has 65 MA's), (320, 23495), (344, 23552), (348, 23561), (362, 23606), (379, 23642), (414, 23753), (420, 23774), (429, 23810), (435, 23831), (464, 23948), (489, 24086), (508, 24182), (509, 24185), (528, 24254), (537, 24278), (551, 24323), (561, 24371), (583, 24437), (618, 24608), (620, 24614), (632, 24665), (643, 24710), (651, 24740), (663, 24788), (674, 24830), (682, 24845), (685, 24848), (696, 24872), (747, 24974), (749, 24977), (757, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for Microwolf_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: MiculUcigas_31 Start: 22775, Stop: 24997, Start Num: 53

Candidate Starts for MiculUcigas_31:

(Start: 53 @22775 has 32 MA's), (97, 22889), (102, 22904), (183, 23150), (200, 23204), (280, 23315), (296, 23354), (331, 23450), (367, 23552), (464, 23801), (470, 23831), (473, 23843), (505, 24014), (522, 24083), (548, 24182), (580, 24293), (582, 24299), (583, 24305), (590, 24344), (601, 24401), (602, 24404), (617, 24470), (635, 24554), (653, 24626), (692, 24746), (752, 24857), (767, 24908), (774, 24920),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 53

Candidate Starts for Miko_34:

(Start: 53 @24326 has 32 MA's), (60, 24350), (97, 24440), (100, 24449), (119, 24506), (441, 25007), (464, 25097), (467, 25115), (473, 25139), (491, 25247), (512, 25340), (522, 25379), (548, 25469), (562, 25529), (590, 25631), (594, 25652), (627, 25796), (631, 25811), (665, 25967), (675, 25988), (711, 26060), (726, 26078), (745, 26120), (753, 26141), (774, 26201), (788, 26246),

Gene: Millski_30 Start: 22963, Stop: 24819, Start Num: 230

Candidate Starts for Millski_30:

(Start: 230 @22963 has 141 MA's), (285, 23089), (296, 23113), (340, 23218), (342, 23224), (359, 23272), (362, 23281), (378, 23323), (392, 23368), (395, 23374), (424, 23479), (427, 23491), (447, 23569), (465, 23638), (509, 23866), (516, 23890), (517, 23893), (522, 23920), (523, 23923), (552, 24028), (559, 24058), (562, 24073), (588, 24163), (597, 24202), (605, 24247), (643, 24415), (670, 24532), (674, 24538), (696, 24583), (723, 24634), (725, 24637), (754, 24700), (757, 24709), (787, 24796),

Gene: Milly_23 Start: 18661, Stop: 21000, Start Num: 23

Candidate Starts for Milly_23:

(Start: 23 @18661 has 36 MA's), (76, 18832), (86, 18850), (97, 18874), (181, 19018), (188, 19051), (232, 19180), (243, 19189), (249, 19204), (254, 19216), (258, 19225), (278, 19273), (322, 19369), (329, 19387), (339, 19408), (356, 19453), (393, 19555), (415, 19627), (425, 19669), (426, 19675), (429, 19684), (448, 19771), (454, 19792), (464, 19834), (468, 19855), (489, 19972), (491, 19981),

(499, 20017), (509, 20071), (526, 20125), (528, 20137), (537, 20161), (568, 20275), (578, 20302), (590, 20359), (632, 20548), (639, 20578), (651, 20629), (663, 20677), (681, 20731), (696, 20761), (705, 20782), (762, 20914),

Gene: MiniLon_21 Start: 19528, Stop: 22035, Start Num: 18

Candidate Starts for MiniLon_21:

(Start: 18 @19528 has 19 MA's), (29, 19591), (50, 19663), (65, 19711), (142, 19897), (184, 20023), (194, 20053), (204, 20092), (217, 20122), (253, 20209), (265, 20236), (276, 20269), (278, 20275), (300, 20326), (337, 20413), (340, 20419), (343, 20428), (351, 20446), (370, 20506), (377, 20527), (390, 20578), (391, 20581), (412, 20650), (449, 20803), (469, 20887), (473, 20905), (475, 20914), (508, 21097), (518, 21121), (521, 21142), (526, 21157), (540, 21205), (562, 21295), (566, 21304), (590, 21397), (593, 21415), (594, 21418), (610, 21490), (626, 21559), (627, 21565), (631, 21580), (634, 21598), (642, 21631), (643, 21634), (654, 21685), (660, 21709), (671, 21751), (685, 21775), (722, 21850), (724, 21853), (766, 21955),

Gene: MiniMac_21 Start: 19529, Stop: 22036, Start Num: 18

Candidate Starts for MiniMac_21:

(Start: 18 @19529 has 19 MA's), (29, 19592), (50, 19664), (65, 19712), (142, 19898), (184, 20024), (194, 20054), (204, 20093), (217, 20123), (253, 20210), (265, 20237), (276, 20270), (278, 20276), (300, 20327), (337, 20414), (340, 20420), (343, 20429), (351, 20447), (370, 20507), (377, 20528), (390, 20579), (391, 20582), (412, 20651), (449, 20804), (469, 20888), (473, 20906), (475, 20915), (508, 21098), (518, 21122), (521, 21143), (526, 21158), (540, 21206), (562, 21296), (566, 21305), (590, 21398), (593, 21416), (594, 21419), (610, 21491), (626, 21560), (627, 21566), (631, 21581), (634, 21599), (642, 21632), (643, 21635), (654, 21686), (660, 21710), (671, 21752), (685, 21776), (722, 21851), (724, 21854), (766, 21956),

Gene: Miramae_31 Start: 22903, Stop: 24762, Start Num: 230

Candidate Starts for Miramae_31:

(Start: 230 @22903 has 141 MA's), (260, 22969), (296, 23053), (304, 23071), (319, 23116), (342, 23164), (362, 23221), (378, 23263), (395, 23314), (404, 23335), (413, 23368), (424, 23419), (427, 23431), (441, 23485), (447, 23509), (465, 23578), (509, 23806), (517, 23833), (522, 23860), (523, 23863), (552, 23971), (556, 23992), (559, 24001), (582, 24070), (588, 24106), (597, 24145), (611, 24214), (641, 24352), (670, 24475), (674, 24481), (754, 24643), (757, 24652),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 266

Candidate Starts for Misomonster_35:

(Start: 266 @23363 has 65 MA's), (320, 23498), (348, 23564), (362, 23609), (379, 23645), (414, 23756), (420, 23777), (429, 23813), (435, 23834), (464, 23951), (489, 24089), (508, 24185), (509, 24188), (528, 24257), (537, 24281), (551, 24326), (561, 24374), (583, 24440), (618, 24611), (620, 24617), (632, 24668), (643, 24713), (651, 24743), (663, 24791), (674, 24833), (682, 24848), (685, 24851), (696, 24875), (747, 24977), (749, 24980), (757, 25004),

Gene: MissDaisy_28 Start: 22035, Stop: 24344, Start Num: 37

Candidate Starts for MissDaisy_28:

(Start: 37 @22035 has 31 MA's), (Start: 52 @22083 has 2 MA's), (55, 22092), (73, 22146), (Start: 90 @22179 has 2 MA's), (127, 22287), (147, 22353), (170, 22416), (184, 22467), (186, 22476), (199, 22509), (214, 22557), (231, 22614), (259, 22674), (286, 22686), (301, 22701), (304, 22707), (316, 22740), (338, 22788), (369, 22842), (399, 22914), (459, 23094), (476, 23175), (502, 23328), (513, 23370), (527, 23439), (547, 23526), (550, 23544), (556, 23571), (564, 23610), (570, 23625), (594, 23721), (627, 23874), (631, 23889), (632, 23895), (636, 23925), (637, 23931), (644, 23958), (647, 23970), (667, 24066), (696, 24120), (705, 24141), (754, 24228), (761, 24258), (791, 24336),

Gene: Mitti_28 Start: 22196, Stop: 24505, Start Num: 37

Candidate Starts for Mitti_28:

(Start: 37 @22196 has 31 MA's), (73, 22307), (85, 22331), (127, 22448), (170, 22577), (186, 22637), (210, 22709), (214, 22718), (231, 22775), (234, 22784), (259, 22835), (286, 22847), (301, 22862), (304, 22868), (316, 22901), (338, 22949), (369, 23003), (399, 23075), (413, 23114), (417, 23126), (429, 23141), (442, 23186), (459, 23255), (476, 23336), (502, 23489), (513, 23531), (525, 23588), (527, 23600), (535, 23630), (550, 23705), (556, 23732), (564, 23771), (570, 23786), (594, 23882), (627, 24035), (631, 24050), (632, 24056), (636, 24086), (637, 24092), (644, 24119), (647, 24131), (667, 24227), (696, 24281), (705, 24302), (754, 24389), (761, 24419), (791, 24497),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for MoneyMay_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: Montavir_32 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for Montavir_32:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Moostard_21 Start: 19727, Stop: 22240, Start Num: 18

Candidate Starts for Moostard_21:

(Start: 18 @19727 has 19 MA's), (29, 19790), (50, 19862), (82, 19952), (84, 19958), (108, 20030), (184, 20222), (187, 20234), (194, 20252), (204, 20291), (217, 20321), (233, 20378), (253, 20408), (256, 20414), (276, 20468), (278, 20474), (339, 20621), (340, 20624), (343, 20633), (351, 20651), (370, 20711), (374, 20720), (377, 20732), (390, 20783), (391, 20786), (436, 20951), (449, 21008), (469, 21092), (473, 21110), (475, 21119), (484, 21182), (508, 21302), (521, 21347), (526, 21362), (531, 21380), (540, 21410), (562, 21500), (585, 21569), (590, 21602), (594, 21623), (602, 21659), (610, 21695), (620, 21740), (626, 21764), (627, 21770), (631, 21785), (634, 21803), (642, 21836), (654, 21890), (660, 21914), (669, 21950), (671, 21956), (685, 21980), (759, 22145), (761, 22154), (766, 22160),

Gene: Morpher26_31 Start: 22972, Stop: 24831, Start Num: 230

Candidate Starts for Morpher26_31:

(208, 22912), (Start: 230 @22972 has 141 MA's), (260, 23038), (279, 23083), (282, 23089), (296, 23122), (304, 23140), (319, 23185), (321, 23191), (325, 23197), (362, 23290), (368, 23305), (392, 23377), (413, 23437), (424, 23488), (427, 23500), (447, 23578), (465, 23647), (487, 23770), (492, 23794), (509, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (559, 24070), (574, 24112), (582, 24139), (588, 24175), (593, 24202), (597, 24214), (630, 24370), (670, 24544), (674, 24550), (696, 24595), (723, 24646), (725, 24649), (741, 24685), (757, 24721),

Gene: Morrow_31 Start: 22963, Stop: 24819, Start Num: 230

Candidate Starts for Morrow_31:

(Start: 230 @22963 has 141 MA's), (285, 23089), (296, 23113), (340, 23218), (342, 23224), (359, 23272), (362, 23281), (378, 23323), (392, 23368), (395, 23374), (427, 23491), (447, 23569), (465, 23638), (509, 23866), (516, 23890), (517, 23893), (523, 23923), (552, 24028), (559, 24058), (562, 24073), (588, 24163), (597, 24202), (602, 24229), (605, 24247), (627, 24346), (670, 24532), (696, 24583), (725, 24637), (754, 24700), (757, 24709), (787, 24796),

Gene: MsGreen_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for MsGreen_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782), (634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for MuchMore_35:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: Muddy_24 Start: 19607, Stop: 21925, Start Num: 90

Candidate Starts for Muddy_24:

(Start: 90 @19607 has 2 MA's), (155, 19808), (171, 19853), (176, 19865), (193, 19931), (198, 19943), (206, 19976), (225, 20042), (281, 20183), (329, 20315), (354, 20366), (365, 20405), (373, 20423), (383, 20459), (406, 20519), (424, 20594), (434, 20621), (447, 20684), (463, 20741), (500, 20936), (517, 21005), (520, 21023), (521, 21029), (522, 21032), (523, 21035), (554, 21152), (556, 21158), (582, 21236), (591, 21284), (592, 21287), (607, 21365), (617, 21416), (622, 21431), (625, 21443), (639, 21506), (644, 21527), (649, 21548), (662, 21605), (665, 21626), (685, 21665), (703, 21707), (722, 21740), (725, 21746), (731, 21761), (765, 21845),

Gene: Mufasa_23 Start: 18681, Stop: 21020, Start Num: 23

Candidate Starts for Mufasa_23:

(Start: 23 @18681 has 36 MA's), (139, 18921), (178, 19029), (181, 19038), (185, 19059), (192, 19083), (244, 19212), (249, 19224), (278, 19293), (339, 19428), (346, 19446), (356, 19473), (393, 19575), (415, 19647), (425, 19689), (426, 19695), (429, 19704), (432, 19710), (448, 19791), (454, 19812), (464, 19854), (468, 19875), (475, 19905), (489, 19992), (491, 20001), (499, 20037), (509, 20091), (526, 20145), (528, 20157), (548, 20217), (562, 20277), (568, 20295), (578, 20322), (590, 20379), (632, 20568), (639, 20598), (657, 20676), (663, 20697), (674, 20739), (691, 20772), (696, 20781), (705, 20802), (719, 20829), (757, 20910), (762, 20934),

Gene: Mundrea_31 Start: 22930, Stop: 24786, Start Num: 230

Candidate Starts for Mundrea_31:

(Start: 230 @22930 has 141 MA's), (296, 23080), (304, 23098), (308, 23110), (319, 23143), (325, 23155), (362, 23248), (368, 23263), (413, 23395), (424, 23446), (427, 23458), (447, 23536), (465, 23605), (509, 23833), (522, 23887), (523, 23890), (552, 23995), (556, 24016), (559, 24025), (588, 24130), (630, 24325), (643, 24382), (670, 24499), (674, 24505), (757, 24676),

Gene: MyraDee_29 Start: 20768, Stop: 22630, Start Num: 230

Candidate Starts for MyraDee_29:

(Start: 230 @20768 has 141 MA's), (242, 20789), (250, 20810), (287, 20894), (299, 20924), (347, 21038), (370, 21101), (372, 21107), (384, 21152), (447, 21344), (462, 21392), (465, 21413), (487, 21536), (491, 21557), (495, 21581), (522, 21695), (523, 21698), (552, 21806), (556, 21827), (559, 21836), (582, 21905), (588, 21941), (600, 21998), (617, 22085), (619, 22091), (653, 22250), (664, 22289), (665, 22304), (667, 22313), (670, 22319), (702, 22382), (733, 22457), (743, 22472), (751, 22487), (790, 22607),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for Myxus_33:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: NaSiaTalie_31 Start: 22773, Stop: 24995, Start Num: 53

Candidate Starts for NaSiaTalie_31:

(Start: 53 @22773 has 32 MA's), (97, 22887), (100, 22896), (102, 22902), (109, 22923), (122, 22959), (145, 23034), (178, 23124), (181, 23136), (280, 23313), (296, 23352), (331, 23448), (464, 23799), (470, 23829), (473, 23841), (505, 24012), (522, 24081), (548, 24180), (580, 24291), (582, 24297), (583, 24303), (590, 24342), (601, 24399), (602, 24402), (617, 24468), (635, 24552), (653, 24624), (697, 24750), (698, 24753), (752, 24855), (757, 24870), (774, 24918),

Gene: Nebs_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Nebs_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (602, 24223), (605, 24241), (627, 24340), (670, 24526), (696, 24577), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Nemo27_31 Start: 22959, Stop: 24815, Start Num: 230

Candidate Starts for Nemo27_31:

(Start: 230 @22959 has 141 MA's), (285, 23085), (296, 23109), (340, 23214), (342, 23220), (359, 23268), (362, 23277), (378, 23319), (392, 23364), (395, 23370), (424, 23475), (427, 23487), (447, 23565), (465, 23634), (509, 23862), (516, 23886), (517, 23889), (522, 23916), (523, 23919), (552, 24024), (556, 24045), (559, 24054), (588, 24159), (597, 24198), (605, 24243), (641, 24405), (643, 24411), (670, 24528), (674, 24534), (696, 24579), (723, 24630), (725, 24633), (754, 24696), (757, 24705), (787, 24792),

Gene: Nicholas_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for Nicholas_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782), (634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 53

Candidate Starts for NicoleTera_35:

(Start: 53 @24630 has 32 MA's), (97, 24744), (100, 24753), (132, 24840), (426, 25128), (464, 25245), (467, 25263), (473, 25287), (512, 25488), (522, 25527), (590, 25779), (593, 25797), (617, 25905), (627, 25944), (631, 25959), (637, 25989), (665, 26115), (675, 26136), (711, 26208), (745, 26268), (753, 26289), (788, 26394),

Gene: Nikao_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Nikao_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673), (735, 22703),

Gene: Niklas_27 Start: 20233, Stop: 22734, Start Num: 37

Candidate Starts for Niklas_27:

(Start: 37 @20233 has 31 MA's), (Start: 52 @20281 has 2 MA's), (71, 20332), (103, 20404), (118, 20455), (124, 20473), (137, 20506), (143, 20527), (146, 20539), (166, 20593), (189, 20671), (201, 20710), (221, 20767), (231, 20803), (254, 20854), (271, 20884), (277, 20899), (288, 20923), (299, 20956), (306, 20977), (309, 20983), (322, 21022), (379, 21175), (387, 21208), (389, 21220), (414, 21283), (442, 21367), (480, 21550), (488, 21604), (497, 21646), (543, 21838), (545, 21844), (550, 21868), (563, 21931), (577, 21970), (592, 22033), (602, 22090), (609, 22123), (612, 22141), (620, 22180), (629, 22219), (631, 22225), (640, 22282), (667, 22396), (695, 22450), (702, 22465), (716, 22495), (728, 22507), (753, 22564), (758, 22582), (768, 22612), (775, 22630), (794, 22711),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 223

Candidate Starts for Noella_32:

(Start: 223 @23374 has 32 MA's), (289, 23518), (298, 23536), (317, 23575), (324, 23596), (341, 23638), (349, 23656), (404, 23815), (411, 23842), (438, 23947), (443, 23968), (464, 24055), (473, 24097), (522, 24337), (548, 24427), (561, 24484), (602, 24649), (615, 24703), (617, 24715), (622, 24730), (652, 24859), (653, 24871), (666, 24931), (670, 24943), (698, 24988), (705, 25006), (774, 25153), (781, 25180), (788, 25210),

Gene: Noelle_31 Start: 23041, Stop: 24900, Start Num: 230

Candidate Starts for Noelle_31:

(Start: 230 @23041 has 141 MA's), (297, 23194), (310, 23227), (313, 23233), (319, 23254), (325, 23266), (360, 23353), (368, 23374), (404, 23473), (424, 23557), (427, 23569), (445, 23635), (447, 23647), (465, 23716), (509, 23944), (520, 23989), (522, 23998), (523, 24001), (556, 24130), (559, 24139), (574, 24181), (582, 24208), (588, 24244), (593, 24271), (597, 24283), (602, 24310), (630, 24439), (643, 24496), (644, 24499), (670, 24613), (674, 24619), (705, 24685), (723, 24715), (755, 24784), (757, 24790),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for Norbert_31:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: NorthStar_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for NorthStar_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (441, 23542), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757,

24706), (787, 24793),

Gene: NotAPhaseMom_31 Start: 22964, Stop: 24820, Start Num: 230

Candidate Starts for NotAPhaseMom_31:

(Start: 230 @22964 has 141 MA's), (285, 23090), (296, 23114), (340, 23219), (342, 23225), (359, 23273), (362, 23282), (378, 23324), (392, 23369), (395, 23375), (424, 23480), (427, 23492), (447, 23570), (465, 23639), (509, 23867), (516, 23891), (517, 23894), (522, 23921), (523, 23924), (552, 24029), (556, 24050), (559, 24059), (588, 24164), (597, 24203), (605, 24248), (641, 24410), (643, 24416), (670, 24533), (674, 24539), (696, 24584), (723, 24635), (754, 24701), (757, 24710), (787, 24797),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 54

Candidate Starts for NothingSpecial_33:

(Start: 54 @24784 has 29 MA's), (60, 24805), (91, 24883), (97, 24895), (98, 24898), (100, 24904), (102, 24910), (125, 24979), (151, 25057), (295, 25246), (464, 25402), (467, 25420), (473, 25444), (512, 25645), (548, 25774), (553, 25795), (561, 25831), (583, 25897), (594, 25957), (631, 26116), (632, 26122), (645, 26179), (648, 26191), (665, 26275), (711, 26368), (732, 26407), (753, 26449), (770, 26503), (785, 26539),

Gene: November_25 Start: 21214, Stop: 23631, Start Num: 68

Candidate Starts for November_25:

(Start: 68 @21214 has 11 MA's), (70, 21223), (88, 21262), (130, 21385), (146, 21442), (152, 21454), (167, 21496), (245, 21742), (284, 21835), (302, 21877), (303, 21880), (311, 21901), (332, 21961), (335, 21967), (368, 22063), (400, 22159), (429, 22276), (460, 22384), (463, 22402), (465, 22414), (491, 22558), (521, 22693), (522, 22696), (523, 22699), (533, 22738), (548, 22792), (556, 22825), (561, 22846), (587, 22933), (592, 22954), (593, 22966), (617, 23083), (619, 23089), (647, 23218), (650, 23230), (653, 23251), (665, 23305), (676, 23335), (689, 23356), (703, 23383), (707, 23389), (748, 23458), (779, 23563), (793, 23623),

Gene: Nutello_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Nutello_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: Nyxis_31 Start: 22903, Stop: 24762, Start Num: 230

Candidate Starts for Nyxis_31:

(Start: 230 @22903 has 141 MA's), (285, 23029), (296, 23053), (340, 23158), (342, 23164), (359, 23212), (362, 23221), (378, 23263), (392, 23308), (395, 23314), (427, 23431), (447, 23509), (465, 23578), (522, 23860), (523, 23863), (552, 23968), (559, 23998), (588, 24103), (597, 24142), (602, 24169), (605, 24187), (674, 24478), (711, 24556), (717, 24568), (723, 24574), (741, 24613), (754, 24640), (756, 24646), (757, 24649), (787, 24739),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 48

Candidate Starts for OKCentral2016_32:

(Start: 48 @22976 has 25 MA's), (58, 23009), (62, 23024), (178, 23336), (183, 23360), (187, 23378), (188, 23381), (189, 23384), (197, 23405), (203, 23432), (464, 23645), (467, 23663), (473, 23687), (496, 23822), (499, 23831), (522, 23927), (539, 23984), (548, 24017), (580, 24128), (593, 24197),

(617, 24305), (622, 24320), (631, 24359), (632, 24365), (648, 24431), (663, 24494), (665, 24515), (666, 24518), (667, 24524), (675, 24536), (703, 24593), (711, 24608), (717, 24617), (746, 24671), (753, 24689), (774, 24749), (788, 24794), (789, 24797),

Gene: OKaNui_32 Start: 23013, Stop: 24869, Start Num: 230

Candidate Starts for OKaNui_32:

(Start: 230 @23013 has 141 MA's), (285, 23139), (296, 23163), (340, 23268), (342, 23274), (359, 23322), (362, 23331), (378, 23373), (392, 23418), (395, 23424), (424, 23529), (427, 23541), (441, 23595), (447, 23619), (465, 23688), (495, 23856), (509, 23916), (516, 23940), (517, 23943), (520, 23961), (522, 23970), (523, 23973), (552, 24078), (559, 24108), (562, 24123), (588, 24213), (597, 24252), (605, 24297), (643, 24465), (670, 24582), (674, 24588), (696, 24633), (723, 24684), (725, 24687), (754, 24750), (757, 24759), (787, 24846),

Gene: Obama12_32 Start: 23276, Stop: 25132, Start Num: 230

Candidate Starts for Obama12_32:

(Start: 230 @23276 has 141 MA's), (285, 23402), (296, 23426), (340, 23531), (342, 23537), (359, 23585), (378, 23636), (395, 23687), (424, 23792), (427, 23804), (447, 23882), (465, 23951), (495, 24119), (504, 24149), (509, 24179), (516, 24203), (517, 24206), (522, 24233), (523, 24236), (552, 24341), (556, 24362), (559, 24371), (597, 24515), (605, 24560), (641, 24722), (670, 24845), (696, 24896), (754, 25013), (757, 25022), (787, 25109),

Gene: Ohfah_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Ohfah_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (602, 24223), (605, 24241), (627, 24340), (670, 24526), (696, 24577), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 45

Candidate Starts for OlanP_33:

(Start: 45 @23541 has 18 MA's), (97, 23676), (119, 23742), (135, 23787), (145, 23823), (178, 23913), (183, 23937), (270, 23982), (292, 24012), (464, 24180), (467, 24198), (473, 24222), (502, 24384), (512, 24423), (522, 24462), (539, 24519), (548, 24552), (590, 24714), (594, 24735), (613, 24822), (627, 24879), (631, 24894), (645, 24957), (663, 25032), (665, 25053), (711, 25146), (732, 25185), (753, 25227), (787, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 266

Candidate Starts for Ollie_33:

(Start: 266 @23147 has 65 MA's), (320, 23282), (348, 23348), (362, 23393), (379, 23429), (420, 23561), (429, 23597), (435, 23618), (449, 23675), (464, 23735), (476, 23789), (484, 23849), (508, 23969), (509, 23972), (528, 24041), (537, 24065), (561, 24158), (568, 24179), (583, 24224), (655, 24554), (674, 24623), (705, 24686), (778, 24857),

Gene: OmniCritical_28 Start: 22181, Stop: 24490, Start Num: 37

Candidate Starts for OmniCritical_28:

(Start: 37 @22181 has 31 MA's), (73, 22292), (85, 22316), (127, 22433), (170, 22562), (184, 22613), (186, 22622), (210, 22694), (214, 22703), (231, 22760), (234, 22769), (259, 22820), (286, 22832), (301, 22847), (304, 22853), (316, 22886), (338, 22934), (369, 22988), (399, 23060), (413, 23099), (417, 23111), (429, 23126), (442, 23171), (459, 23240), (476, 23321), (502, 23474), (525, 23573), (527, 23585), (550, 23690), (564, 23756), (570, 23771), (594, 23867), (627, 24020), (631, 24035), (632, 24041), (635, 24065), (644, 24104), (667, 24212), (694, 24263), (696, 24266), (754, 24374), (761, 24404), (791, 24482),

Gene: Onglai_32 Start: 22711, Stop: 24477, Start Num: 51

Candidate Starts for Onglai_32:

(Start: 51 @22711 has 26 MA's), (55, 22723), (119, 22897), (151, 22987), (171, 23032), (175, 23041), (280, 23119), (293, 23143), (305, 23179), (464, 23308), (467, 23326), (512, 23551), (519, 23572), (522, 23590), (548, 23680), (561, 23737), (593, 23860), (622, 23983), (631, 24022), (643, 24079), (663, 24160), (665, 24181), (666, 24184), (703, 24259), (711, 24274), (760, 24385), (788, 24460),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for P28Green_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for PGHhamlin_35:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for PackMan_33:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: Palestino_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Palestino_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (382, 23335), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for Panamaxus_31:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Panchino_20 Start: 17533, Stop: 20178, Start Num: 8

Candidate Starts for Panchino_20:

(6, 17521), (Start: 8 @17533 has 17 MA's), (10, 17545), (20, 17656), (30, 17680), (31, 17683), (Start: 33 @17692 has 1 MA's), (47, 17740), (137, 17965), (141, 17977), (148, 17998), (164, 18043), (182, 18097), (202, 18175), (214, 18205), (Start: 222 @18241 has 1 MA's), (231, 18262), (237, 18277), (254, 18319), (271, 18352), (299, 18427), (306, 18451), (309, 18457), (314, 18469), (327, 18511), (330, 18517), (366, 18616), (405, 18736), (413, 18754), (421, 18787), (429, 18814), (442, 18865), (483,

19075), (496, 19141), (504, 19177), (528, 19288), (546, 19351), (588, 19513), (592, 19528), (602, 19579), (627, 19696), (635, 19741), (647, 19783), (654, 19819), (666, 19873), (691, 19921), (760, 20065), (779, 20122), (788, 20161), (791, 20170),

Gene: Patt_28 Start: 22014, Stop: 24320, Start Num: 37

Candidate Starts for Patt_28:

(Start: 37 @22014 has 31 MA's), (46, 22044), (Start: 52 @22062 has 2 MA's), (73, 22125), (127, 22266), (147, 22332), (170, 22395), (184, 22446), (186, 22455), (199, 22488), (214, 22536), (231, 22593), (259, 22653), (286, 22665), (301, 22680), (304, 22686), (316, 22719), (338, 22767), (369, 22821), (399, 22893), (459, 23073), (476, 23154), (502, 23307), (513, 23349), (525, 23406), (527, 23418), (547, 23505), (550, 23523), (564, 23589), (570, 23604), (627, 23853), (631, 23868), (632, 23874), (635, 23898), (644, 23937), (647, 23949), (667, 24045), (688, 24081), (694, 24096), (696, 24099), (705, 24120), (713, 24135), (754, 24204), (761, 24234), (791, 24312),

Gene: Pawn_33 Start: 23361, Stop: 25169, Start Num: 45

Candidate Starts for Pawn_33:

(Start: 45 @23361 has 18 MA's), (97, 23496), (119, 23562), (135, 23607), (145, 23643), (178, 23733), (183, 23757), (270, 23802), (292, 23832), (464, 24000), (467, 24018), (473, 24042), (502, 24204), (512, 24243), (522, 24282), (548, 24372), (590, 24534), (594, 24555), (613, 24642), (627, 24699), (631, 24714), (645, 24777), (663, 24852), (665, 24873), (711, 24966), (732, 25005), (753, 25047), (787, 25146),

Gene: PeaceMeal1_31 Start: 21407, Stop: 23689, Start Num: 48

Candidate Starts for PeaceMeal1_31:

(Start: 48 @21407 has 25 MA's), (58, 21440), (93, 21524), (116, 21590), (162, 21722), (197, 21836), (200, 21845), (Start: 222 @21929 has 1 MA's), (251, 22004), (280, 22082), (310, 22157), (343, 22247), (426, 22373), (441, 22430), (464, 22520), (467, 22538), (473, 22562), (512, 22763), (522, 22802), (548, 22892), (561, 22949), (590, 23054), (594, 23075), (597, 23084), (600, 23102), (602, 23114), (617, 23180), (627, 23219), (631, 23234), (632, 23240), (639, 23273), (663, 23372), (665, 23393), (666, 23396), (696, 23453), (703, 23471), (705, 23474), (711, 23486), (732, 23525), (753, 23567), (754, 23570), (788, 23672),

Gene: Peaches_31 Start: 22959, Stop: 24815, Start Num: 230

Candidate Starts for Peaches_31:

(Start: 230 @22959 has 141 MA's), (285, 23085), (296, 23109), (340, 23214), (342, 23220), (359, 23268), (362, 23277), (378, 23319), (392, 23364), (395, 23370), (424, 23475), (427, 23487), (447, 23565), (465, 23634), (509, 23862), (516, 23886), (517, 23889), (522, 23916), (523, 23919), (552, 24024), (559, 24054), (562, 24069), (588, 24159), (597, 24198), (605, 24243), (643, 24411), (670, 24528), (674, 24534), (696, 24579), (723, 24630), (725, 24633), (754, 24696), (757, 24705), (787, 24792),

Gene: Peanam_27 Start: 20230, Stop: 22731, Start Num: 37

Candidate Starts for Peanam_27:

(Start: 37 @20230 has 31 MA's), (Start: 52 @20278 has 2 MA's), (71, 20329), (103, 20401), (118, 20452), (124, 20470), (137, 20503), (143, 20524), (146, 20536), (166, 20590), (189, 20668), (201, 20707), (221, 20764), (231, 20800), (254, 20851), (271, 20881), (277, 20896), (288, 20920), (299, 20953), (306, 20974), (309, 20980), (322, 21019), (379, 21172), (387, 21205), (389, 21217), (414, 21280), (442, 21364), (480, 21547), (488, 21601), (497, 21643), (543, 21835), (545, 21841), (550, 21865), (563, 21928), (577, 21967), (592, 22030), (602, 22087), (609, 22120), (612, 22138), (620, 22177), (629, 22216), (631, 22222), (640, 22279), (667, 22393), (695, 22447), (702, 22462), (716, 22492), (728, 22504), (753, 22561), (758, 22579), (768, 22609), (775, 22627), (794, 22708),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 266

Candidate Starts for Pembroke_33:

(Start: 266 @23278 has 65 MA's), (320, 23413), (348, 23479), (362, 23524), (379, 23560), (420, 23692), (429, 23728), (435, 23749), (449, 23806), (464, 23866), (476, 23920), (484, 23980), (508, 24100), (509, 24103), (528, 24172), (537, 24196), (561, 24289), (568, 24310), (583, 24355), (655, 24685), (674, 24754), (705, 24817), (778, 24988),

Gene: PenguinLover67_32 Start: 30945, Stop: 33434, Start Num: 21

Candidate Starts for PenguinLover67_32:

(5, 30792), (Start: 21 @30945 has 5 MA's), (Start: 51 @31044 has 26 MA's), (Start: 53 @31050 has 32 MA's), (56, 31062), (75, 31119), (133, 31266), (148, 31317), (152, 31326), (170, 31380), (218, 31533), (250, 31614), (252, 31617), (275, 31677), (285, 31704), (351, 31860), (352, 31863), (357, 31884), (398, 31998), (412, 32046), (431, 32124), (438, 32148), (443, 32169), (463, 32253), (464, 32256), (467, 32274), (498, 32439), (505, 32469), (512, 32499), (522, 32538), (526, 32550), (536, 32580), (546, 32616), (548, 32628), (583, 32751), (584, 32754), (585, 32757), (586, 32763), (589, 32787), (601, 32847), (604, 32865), (622, 32931), (624, 32934), (627, 32955), (639, 33006), (644, 33027), (666, 33132), (732, 33258), (755, 33300), (764, 33336), (774, 33354), (781, 33381),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for Penny1_33:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Perplexer_31 Start: 22969, Stop: 24828, Start Num: 230

Candidate Starts for Perplexer_31:

(208, 22909), (Start: 230 @22969 has 141 MA's), (260, 23035), (279, 23080), (282, 23086), (296, 23119), (304, 23137), (319, 23182), (321, 23188), (325, 23194), (362, 23287), (368, 23302), (392, 23374), (413, 23434), (424, 23485), (427, 23497), (447, 23575), (465, 23644), (487, 23767), (492, 23791), (509, 23872), (520, 23917), (522, 23926), (523, 23929), (556, 24058), (559, 24067), (574, 24109), (582, 24136), (588, 24172), (593, 24199), (597, 24211), (630, 24367), (670, 24541), (674, 24547), (696, 24592), (723, 24643), (725, 24646), (741, 24682), (757, 24718),

Gene: PeterPeter_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for PeterPeter_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: PetiteSangsue_31 Start: 22972, Stop: 24831, Start Num: 230

Candidate Starts for PetiteSangsue_31:

(208, 22912), (Start: 230 @22972 has 141 MA's), (260, 23038), (279, 23083), (282, 23089), (296, 23122), (304, 23140), (319, 23185), (321, 23191), (325, 23197), (362, 23290), (368, 23305), (392, 23377), (413, 23437), (424, 23488), (427, 23500), (447, 23578), (465, 23647), (487, 23770), (492, 23794), (509, 23875), (520, 23920), (522, 23929), (523, 23932), (556, 24061), (559, 24070), (574, 24112), (582, 24139), (588, 24175), (593, 24202), (597, 24214), (630, 24370), (670, 24544), (674, 24550), (696, 24595), (723, 24646), (725, 24649), (741, 24685), (757, 24721),

Gene: Phacado_31 Start: 22959, Stop: 24815, Start Num: 230

Candidate Starts for Phacado_31:

(Start: 230 @22959 has 141 MA's), (285, 23085), (296, 23109), (340, 23214), (342, 23220), (359, 23268), (362, 23277), (378, 23319), (392, 23364), (395, 23370), (424, 23475), (427, 23487), (447, 23565), (465, 23634), (509, 23862), (516, 23886), (517, 23889), (522, 23916), (523, 23919), (552, 24024), (556, 24045), (559, 24054), (588, 24159), (597, 24198), (605, 24243), (641, 24405), (643, 24411), (670, 24528), (674, 24534), (696, 24579), (723, 24630), (725, 24633), (754, 24696), (757, 24705), (787, 24792),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 48

Candidate Starts for Phaded_35:

(36, 25178), (Start: 48 @25217 has 25 MA's), (97, 25328), (100, 25337), (122, 25394), (132, 25421), (162, 25514), (265, 25607), (270, 25628), (280, 25637), (292, 25658), (295, 25670), (458, 25793), (464, 25826), (467, 25844), (473, 25868), (493, 25982), (512, 26069), (522, 26108), (526, 26120), (539, 26165), (590, 26360), (594, 26381), (631, 26540), (632, 26546), (648, 26612), (663, 26675), (665, 26696), (711, 26789), (753, 26870), (760, 26900), (774, 26930), (788, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for Phaeder_33:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: Phalm_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for Phalm_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254), (691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 222

Candidate Starts for Phantastic_31:

(Start: 222 @22796 has 1 MA's), (317, 23000), (327, 23033), (379, 23171), (384, 23195), (393, 23213), (438, 23372), (464, 23480), (468, 23501), (473, 23522), (522, 23762), (539, 23819), (548, 23852), (593, 24032), (602, 24074), (617, 24140), (622, 24155), (660, 24326), (670, 24368), (705, 24431), (735, 24485), (737, 24488), (755, 24524), (774, 24578), (781, 24605), (787, 24629),

Gene: Pharb_26 Start: 21154, Stop: 23529, Start Num: 68

Candidate Starts for Pharb_26:

(Start: 68 @21154 has 11 MA's), (79, 21181), (94, 21214), (110, 21274), (115, 21289), (144, 21379), (152, 21397), (190, 21523), (191, 21529), (198, 21544), (207, 21577), (224, 21634), (225, 21637), (236, 21655), (255, 21703), (283, 21772), (300, 21823), (332, 21910), (351, 21955), (368, 22012), (392, 22057), (408, 22102), (415, 22129), (425, 22171), (426, 22177), (429, 22186), (465, 22324), (482, 22414), (523, 22609), (587, 22840), (588, 22846), (590, 22855), (592, 22861), (600, 22903), (606, 22933), (617, 22990), (619, 22996), (644, 23101), (653, 23146), (665, 23200), (667, 23209), (683, 23239), (758, 23389), (772, 23431), (780, 23464), (791, 23509),

Gene: Phelipe_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Phelipe_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: PhelpsODU_26 Start: 20093, Stop: 22432, Start Num: 23

Candidate Starts for PhelpsODU_26:

(Start: 23 @20093 has 36 MA's), (38, 20150), (76, 20264), (86, 20282), (141, 20333), (149, 20354), (178, 20432), (205, 20531), (209, 20543), (249, 20642), (253, 20651), (295, 20744), (329, 20825), (341, 20855), (346, 20867), (350, 20876), (356, 20894), (359, 20909), (377, 20933), (393, 20993), (408, 21038), (415, 21065), (429, 21122), (434, 21131), (448, 21200), (449, 21203), (454, 21221), (464, 21263), (468, 21284), (475, 21314), (489, 21401), (502, 21464), (508, 21497), (528, 21569), (546, 21617), (548, 21629), (566, 21698), (575, 21722), (590, 21791), (632, 21980), (650, 22055), (654, 22079), (691, 22184), (696, 22193), (703, 22211), (749, 22298), (757, 22322), (771, 22364), (791, 22424),

Gene: Phighter1804_31 Start: 22935, Stop: 24791, Start Num: 230

Candidate Starts for Phighter1804_31:

(Start: 230 @22935 has 141 MA's), (285, 23061), (296, 23085), (340, 23190), (342, 23196), (359, 23244), (362, 23253), (378, 23295), (392, 23340), (395, 23346), (424, 23451), (427, 23463), (444, 23526), (447, 23541), (465, 23610), (495, 23778), (509, 23838), (517, 23865), (522, 23892), (523, 23895), (552, 24000), (556, 24021), (559, 24030), (588, 24135), (605, 24219), (627, 24318), (670, 24504), (674, 24510), (696, 24555), (723, 24606), (725, 24609), (754, 24672), (757, 24681), (787, 24768),

Gene: Phineas_21 Start: 19035, Stop: 21668, Start Num: 8

Candidate Starts for Phineas_21:

(Start: 8 @19035 has 17 MA's), (9, 19044), (31, 19188), (137, 19461), (141, 19473), (148, 19494), (156, 19518), (182, 19593), (202, 19665), (214, 19695), (Start: 222 @19731 has 1 MA's), (247, 19794), (254, 19809), (271, 19842), (299, 19917), (306, 19941), (309, 19947), (314, 19959), (327, 20001), (330, 20007), (362, 20094), (370, 20115), (379, 20139), (400, 20205), (405, 20226), (413, 20244), (421, 20277), (428, 20301), (429, 20304), (442, 20355), (465, 20460), (475, 20502), (504, 20667), (525, 20763), (546, 20841), (549, 20853), (575, 20943), (588, 21003), (590, 21012), (600, 21060), (602, 21069), (627, 21186), (635, 21231), (647, 21273), (663, 21339), (666, 21363), (691, 21411), (694, 21417), (698, 21423), (751, 21522), (754, 21531), (761, 21561), (788, 21651), (791, 21660),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 45

Candidate Starts for PhishRPhriends_32:

(Start: 45 @22545 has 18 MA's), (97, 22680), (119, 22746), (135, 22791), (145, 22827), (178, 22917), (183, 22941), (270, 22986), (292, 23016), (464, 23184), (467, 23202), (473, 23226), (502, 23388), (512, 23427), (522, 23466), (548, 23556), (590, 23718), (594, 23739), (613, 23826), (631, 23898), (645, 23961), (663, 24036), (665, 24057), (711, 24150), (732, 24189), (753, 24231), (787, 24330),

Gene: Phloss_20 Start: 17556, Stop: 20201, Start Num: 8

Candidate Starts for Phloss_20:

(6, 17544), (Start: 8 @17556 has 17 MA's), (10, 17568), (11, 17580), (15, 17634), (30, 17703), (31, 17706), (Start: 33 @17715 has 1 MA's), (36, 17730), (103, 17907), (137, 17988), (140, 17997), (160, 18054), (165, 18069), (203, 18201), (221, 18249), (Start: 222 @18264 has 1 MA's), (231, 18285), (247, 18327), (254, 18342), (258, 18351), (271, 18378), (275, 18384), (299, 18453), (306, 18474), (309, 18480), (313, 18489), (320, 18516), (349, 18582), (353, 18594), (362, 18627), (366, 18639), (405, 18759), (413, 18777), (421, 18810), (442, 18888), (465, 18993), (475, 19035), (516, 19254), (524,

19293), (525, 19296), (528, 19311), (546, 19374), (558, 19422), (588, 19536), (594, 19566), (600, 19593), (602, 19602), (627, 19719), (635, 19764), (647, 19806), (663, 19872), (666, 19896), (691, 19944), (694, 19950), (698, 19956), (703, 19971), (751, 20055), (761, 20094), (788, 20184), (791, 20193),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 266

Candidate Starts for Phoebe_33:

(Start: 266 @23275 has 65 MA's), (320, 23410), (348, 23476), (362, 23521), (379, 23557), (420, 23689), (429, 23725), (435, 23746), (449, 23803), (464, 23863), (476, 23917), (484, 23977), (508, 24097), (509, 24100), (528, 24169), (537, 24193), (561, 24286), (568, 24307), (583, 24352), (655, 24682), (674, 24751), (705, 24814), (778, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 51

Candidate Starts for Phonnegut_33:

(Start: 51 @24410 has 26 MA's), (55, 24422), (119, 24596), (151, 24686), (171, 24731), (175, 24740), (280, 24818), (293, 24842), (305, 24878), (464, 25007), (467, 25025), (512, 25250), (519, 25271), (522, 25289), (548, 25379), (561, 25436), (593, 25559), (622, 25682), (631, 25721), (643, 25778), (663, 25859), (665, 25880), (666, 25883), (703, 25958), (711, 25973), (760, 26084), (788, 26159),

Gene: Phontbonne_31 Start: 22904, Stop: 24763, Start Num: 230

Candidate Starts for Phontbonne_31:

(Start: 230 @22904 has 141 MA's), (285, 23030), (296, 23054), (340, 23159), (342, 23165), (359, 23213), (362, 23222), (378, 23264), (392, 23309), (395, 23315), (427, 23432), (447, 23510), (465, 23579), (522, 23861), (523, 23864), (552, 23969), (559, 23999), (588, 24104), (597, 24143), (602, 24170), (605, 24188), (674, 24479), (711, 24557), (717, 24569), (723, 24575), (741, 24614), (754, 24641), (756, 24647), (787, 24740),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 266

Candidate Starts for Phoxy_33:

(Start: 266 @23361 has 65 MA's), (320, 23496), (348, 23562), (362, 23607), (379, 23643), (414, 23754), (420, 23775), (429, 23811), (435, 23832), (464, 23949), (489, 24087), (508, 24183), (509, 24186), (528, 24255), (537, 24279), (551, 24324), (561, 24372), (583, 24438), (618, 24609), (620, 24615), (632, 24666), (643, 24711), (651, 24741), (663, 24789), (674, 24831), (682, 24846), (685, 24849), (696, 24873), (747, 24975), (749, 24978), (757, 25002),

Gene: Phrank_26 Start: 20046, Stop: 22382, Start Num: 23

Candidate Starts for Phrank_26:

(Start: 23 @20046 has 36 MA's), (35, 20094), (38, 20103), (76, 20217), (86, 20235), (141, 20286), (178, 20382), (181, 20391), (205, 20481), (209, 20493), (249, 20592), (253, 20601), (295, 20694), (329, 20775), (341, 20805), (346, 20817), (356, 20844), (359, 20859), (377, 20883), (393, 20943), (408, 20988), (415, 21015), (424, 21054), (429, 21072), (434, 21081), (448, 21150), (449, 21153), (454, 21171), (464, 21213), (468, 21234), (475, 21264), (489, 21351), (502, 21414), (508, 21447), (513, 21456), (528, 21519), (546, 21567), (548, 21579), (566, 21648), (575, 21672), (583, 21702), (590, 21741), (632, 21930), (650, 22005), (663, 22059), (696, 22143), (703, 22161), (749, 22248), (757, 22272), (771, 22314), (791, 22374),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 45

Candidate Starts for Phranny_34:

(Start: 45 @23353 has 18 MA's), (97, 23488), (119, 23554), (135, 23599), (136, 23602), (183, 23749), (270, 23794), (292, 23824), (464, 23992), (467, 24010), (473, 24034), (502, 24196), (512, 24235), (522, 24274), (548, 24364), (590, 24526), (594, 24547), (613, 24634), (631, 24706), (645, 24769), (663, 24844), (665, 24865), (711, 24958), (732, 24997), (753, 25039), (787, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 51

Candidate Starts for Pioneer_33:

(Start: 51 @24410 has 26 MA's), (55, 24422), (119, 24596), (151, 24686), (171, 24731), (175, 24740), (280, 24818), (293, 24842), (305, 24878), (464, 25007), (467, 25025), (512, 25250), (519, 25271), (522, 25289), (548, 25379), (561, 25436), (593, 25559), (622, 25682), (631, 25721), (643, 25778), (663, 25859), (665, 25880), (666, 25883), (703, 25958), (711, 25973), (760, 26084), (788, 26159),

Gene: Pipcraft_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Pipcraft_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Piro94_32 Start: 23234, Stop: 25318, Start Num: 53

Candidate Starts for Piro94_32:

(Start: 53 @23234 has 32 MA's), (97, 23348), (102, 23363), (136, 23462), (178, 23585), (181, 23597), (188, 23630), (280, 23774), (289, 23795), (331, 23909), (346, 23945), (464, 24146), (467, 24164), (473, 24188), (490, 24287), (512, 24389), (522, 24428), (526, 24440), (548, 24518), (582, 24635), (583, 24641), (594, 24701), (617, 24806), (622, 24821), (653, 24962), (654, 24965), (665, 25016), (670, 25031), (683, 25055), (708, 25109), (721, 25133), (764, 25238), (789, 25304),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 223

Candidate Starts for Pistachio_32:

(Start: 223 @22385 has 32 MA's), (289, 22529), (297, 22544), (317, 22586), (362, 22709), (379, 22757), (393, 22799), (396, 22805), (404, 22826), (464, 23066), (470, 23096), (479, 23144), (502, 23270), (512, 23309), (522, 23348), (539, 23405), (548, 23438), (590, 23600), (591, 23603), (602, 23660), (617, 23726), (622, 23741), (666, 23942), (732, 24068), (735, 24071), (767, 24152), (774, 24164), (781, 24191), (788, 24221),

Gene: Pixie_26 Start: 21086, Stop: 23437, Start Num: 23

Candidate Starts for Pixie_26:

(Start: 23 @21086 has 36 MA's), (32, 21113), (40, 21146), (74, 21251), (169, 21410), (183, 21455), (194, 21491), (200, 21509), (Start: 223 @21587 has 32 MA's), (249, 21635), (307, 21767), (329, 21821), (336, 21836), (382, 21944), (415, 22061), (425, 22103), (426, 22109), (429, 22118), (434, 22127), (449, 22208), (454, 22226), (464, 22268), (468, 22289), (473, 22310), (475, 22319), (489, 22406), (507, 22499), (508, 22502), (528, 22574), (567, 22709), (568, 22712), (583, 22757), (590, 22796), (593, 22814), (615, 22913), (619, 22931), (632, 22985), (639, 23015), (643, 23033), (650, 23060), (651, 23066), (663, 23114), (691, 23189), (696, 23198), (705, 23219), (709, 23228), (757, 23327), (771, 23369),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 223

Candidate Starts for Pocahontas_32:

(Start: 223 @23370 has 32 MA's), (289, 23514), (298, 23532), (317, 23571), (324, 23592), (341, 23634), (349, 23652), (404, 23811), (411, 23838), (438, 23943), (443, 23964), (464, 24051), (473, 24093), (522, 24333), (548, 24423), (561, 24480), (602, 24645), (615, 24699), (617, 24711), (622, 24726), (652, 24855), (653, 24867), (666, 24927), (670, 24939), (698, 24984), (705, 25002), (774, 25149), (781, 25176), (788, 25206),

Gene: Polymorphads_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Polymorphads_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (602, 24223), (605, 24241), (627, 24340), (670, 24526), (696, 24577), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Poompha_31 Start: 21405, Stop: 23687, Start Num: 48

Candidate Starts for Poompha_31:

(Start: 48 @21405 has 25 MA's), (58, 21438), (93, 21522), (116, 21588), (145, 21675), (162, 21720), (197, 21834), (200, 21843), (Start: 222 @21927 has 1 MA's), (251, 22002), (280, 22080), (310, 22155), (426, 22371), (441, 22428), (464, 22518), (467, 22536), (473, 22560), (475, 22569), (512, 22761), (522, 22800), (548, 22890), (561, 22947), (590, 23052), (597, 23082), (600, 23100), (602, 23112), (627, 23217), (631, 23232), (632, 23238), (639, 23271), (663, 23370), (665, 23391), (666, 23394), (696, 23451), (703, 23469), (705, 23472), (711, 23484), (732, 23523), (753, 23565), (754, 23568), (788, 23670),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 223

Candidate Starts for Popcicle_32:

(Start: 223 @23370 has 32 MA's), (289, 23514), (298, 23532), (317, 23571), (324, 23592), (341, 23634), (349, 23652), (404, 23811), (411, 23838), (438, 23943), (443, 23964), (464, 24051), (473, 24093), (522, 24333), (548, 24423), (561, 24480), (602, 24645), (615, 24699), (617, 24711), (622, 24726), (652, 24855), (653, 24867), (666, 24927), (670, 24939), (698, 24984), (705, 25002), (774, 25149), (781, 25176), (788, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 266

Candidate Starts for PotatoSplit_34:

(Start: 266 @23277 has 65 MA's), (320, 23412), (348, 23478), (362, 23523), (379, 23559), (420, 23691), (429, 23727), (435, 23748), (449, 23805), (464, 23865), (476, 23919), (484, 23979), (508, 24099), (509, 24102), (528, 24171), (537, 24195), (561, 24288), (568, 24309), (583, 24354), (655, 24684), (674, 24753), (705, 24816), (778, 24987),

Gene: Power_31 Start: 22692, Stop: 24893, Start Num: 54

Candidate Starts for Power_31:

(Start: 54 @22692 has 29 MA's), (60, 22713), (100, 22812), (102, 22818), (111, 22845), (112, 22848), (132, 22902), (142, 22938), (178, 23040), (280, 23229), (330, 23361), (331, 23364), (359, 23442), (464, 23718), (467, 23736), (473, 23760), (512, 23961), (522, 24000), (548, 24090), (561, 24147), (582, 24207), (590, 24252), (594, 24273), (617, 24378), (622, 24393), (627, 24417), (635, 24462), (644, 24489), (653, 24534), (666, 24594), (677, 24618), (757, 24768), (774, 24816), (781, 24840),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 51

Candidate Starts for Priya_33:

(Start: 51 @24444 has 26 MA's), (119, 24630), (151, 24720), (171, 24765), (175, 24774), (280, 24852), (293, 24876), (305, 24912), (464, 25041), (467, 25059), (512, 25284), (519, 25305), (522, 25323), (548, 25413), (561, 25470), (593, 25593), (622, 25716), (631, 25755), (643, 25812), (663, 25893), (665, 25914), (666, 25917), (711, 26007), (760, 26118), (788, 26193),

Gene: Prudy_34 Start: 25130, Stop: 26905, Start Num: 54

Candidate Starts for Prudy_34:

(25, 25031), (Start: 54 @25130 has 29 MA's), (97, 25241), (100, 25250), (142, 25370), (145, 25382), (151, 25394), (183, 25496), (295, 25583), (451, 25688), (458, 25706), (464, 25739), (467, 25757), (473, 25781), (512, 25982), (522, 26021), (539, 26078), (548, 26111), (555, 26141), (593, 26291), (617, 26399), (622, 26414), (631, 26453), (665, 26609), (675, 26630), (711, 26702), (753, 26783), (774, 26843), (788, 26888),

Gene: Pukovnik_33 Start: 24251, Stop: 26089, Start Num: 240

Candidate Starts for Pukovnik_33:

(Start: 240 @24251 has 1 MA's), (246, 24272), (285, 24362), (292, 24371), (315, 24428), (325, 24455), (362, 24548), (379, 24593), (411, 24689), (465, 24905), (487, 25028), (489, 25037), (509, 25133), (522, 25187), (523, 25190), (552, 25298), (559, 25328), (582, 25397), (588, 25433), (591, 25445), (597, 25472), (670, 25802), (696, 25853), (711, 25886), (723, 25904), (725, 25907), (754, 25970),

Gene: Pumbaa_31 Start: 22935, Stop: 24791, Start Num: 230

Candidate Starts for Pumbaa_31:

(Start: 230 @22935 has 141 MA's), (285, 23061), (296, 23085), (342, 23196), (359, 23244), (361, 23250), (362, 23253), (378, 23295), (395, 23346), (424, 23451), (427, 23463), (447, 23541), (465, 23610), (495, 23778), (504, 23808), (509, 23838), (517, 23865), (522, 23892), (523, 23895), (552, 24000), (556, 24021), (559, 24030), (588, 24135), (597, 24174), (602, 24201), (605, 24219), (606, 24222), (630, 24330), (643, 24387), (670, 24504), (674, 24510), (754, 24672), (757, 24681),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 223

Candidate Starts for Puppy_32:

(Start: 223 @22455 has 32 MA's), (289, 22599), (297, 22614), (317, 22656), (362, 22779), (379, 22827), (393, 22869), (396, 22875), (404, 22896), (464, 23136), (470, 23166), (479, 23214), (502, 23340), (512, 23379), (522, 23418), (539, 23475), (548, 23508), (590, 23670), (591, 23673), (602, 23730), (617, 23796), (622, 23811), (666, 24012), (732, 24138), (735, 24141), (767, 24222), (774, 24234), (781, 24261), (788, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 45

Candidate Starts for PurpleHaze_33:

(Start: 45 @23360 has 18 MA's), (97, 23495), (119, 23561), (135, 23606), (145, 23642), (178, 23732), (183, 23756), (270, 23801), (292, 23831), (464, 23999), (467, 24017), (473, 24041), (502, 24203), (512, 24242), (522, 24281), (548, 24371), (590, 24533), (594, 24554), (613, 24641), (627, 24698), (631, 24713), (645, 24776), (663, 24851), (665, 24872), (711, 24965), (732, 25004), (753, 25046), (787, 25145),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 51

Candidate Starts for Qobbit_33:

(Start: 51 @24407 has 26 MA's), (119, 24593), (151, 24683), (171, 24728), (175, 24737), (280, 24815), (293, 24839), (305, 24875), (464, 25004), (467, 25022), (512, 25247), (519, 25268), (522, 25286), (548, 25376), (561, 25433), (593, 25556), (622, 25679), (631, 25718), (643, 25775), (663, 25856), (665, 25877), (666, 25880), (711, 25970), (760, 26081), (788, 26156),

Gene: QueenB2_31 Start: 22756, Stop: 24954, Start Num: 54

Candidate Starts for QueenB2_31:

(Start: 54 @22756 has 29 MA's), (60, 22777), (100, 22876), (132, 22966), (142, 23002), (178, 23104), (181, 23116), (280, 23293), (331, 23428), (381, 23569), (464, 23782), (467, 23800), (473, 23824), (512, 24025), (548, 24154), (561, 24211), (582, 24271), (590, 24316), (594, 24337), (622, 24457), (643, 24547), (644, 24550), (666, 24655), (677, 24679), (697, 24709), (698, 24712), (774, 24877), (788, 24931),

Gene: QueenBeesly_31 Start: 22638, Stop: 24839, Start Num: 54

Candidate Starts for QueenBeesly_31:

(Start: 54 @22638 has 29 MA's), (60, 22659), (100, 22758), (102, 22764), (111, 22791), (112, 22794), (132, 22848), (142, 22884), (178, 22986), (280, 23175), (330, 23307), (331, 23310), (464, 23664), (467, 23682), (473, 23706), (512, 23907), (522, 23946), (548, 24036), (561, 24093), (582, 24153), (590, 24198), (594, 24219), (617, 24324), (622, 24339), (627, 24363), (635, 24408), (644, 24435),

(653, 24480), (677, 24564), (757, 24714), (774, 24762), (781, 24786),

Gene: Quesadilla_31 Start: 30831, Stop: 33335, Start Num: 23

Candidate Starts for Quesadilla_31:

(Start: 23 @30831 has 36 MA's), (36, 30882), (Start: 51 @30930 has 26 MA's), (56, 30948), (75, 31005), (116, 31116), (129, 31143), (142, 31185), (218, 31419), (250, 31500), (252, 31503), (275, 31563), (285, 31590), (341, 31725), (352, 31752), (357, 31773), (388, 31872), (398, 31887), (404, 31905), (412, 31935), (426, 32001), (433, 32016), (438, 32037), (457, 32109), (460, 32124), (463, 32142), (464, 32145), (467, 32163), (475, 32196), (479, 32223), (498, 32328), (505, 32358), (512, 32388), (522, 32427), (526, 32439), (536, 32469), (546, 32505), (548, 32517), (583, 32640), (584, 32643), (585, 32646), (586, 32652), (589, 32676), (622, 32820), (627, 32844), (635, 32889), (643, 32913), (720, 33126), (735, 33162), (774, 33255),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for QuinnKiro_31:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (519, 24318), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 53

Candidate Starts for Rachaly_34:

(Start: 53 @24354 has 32 MA's), (60, 24378), (97, 24468), (100, 24477), (119, 24534), (441, 24882), (443, 24885), (464, 24972), (467, 24990), (473, 25014), (491, 25122), (512, 25215), (519, 25236), (522, 25254), (526, 25266), (548, 25344), (562, 25404), (590, 25506), (594, 25527), (627, 25671), (631, 25686), (665, 25842), (675, 25863), (711, 25935), (726, 25953), (745, 25995), (753, 26016), (774, 26076), (788, 26121),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 45

Candidate Starts for Reba_34:

(Start: 45 @23026 has 18 MA's), (97, 23161), (119, 23227), (135, 23272), (136, 23275), (183, 23422), (270, 23467), (292, 23497), (464, 23665), (467, 23683), (473, 23707), (502, 23869), (512, 23908), (522, 23947), (548, 24037), (590, 24199), (594, 24220), (613, 24307), (631, 24379), (645, 24442), (663, 24517), (665, 24538), (711, 24631), (732, 24670), (753, 24712), (787, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 48

Candidate Starts for Rebeuca_34:

(Start: 48 @23648 has 25 MA's), (58, 23681), (128, 23858), (187, 24050), (189, 24056), (197, 24077), (203, 24104), (458, 24284), (464, 24317), (467, 24335), (473, 24359), (491, 24467), (522, 24599), (539, 24656), (548, 24689), (561, 24746), (580, 24800), (593, 24869), (617, 24977), (622, 24992), (627, 25016), (631, 25031), (658, 25148), (663, 25166), (665, 25187), (666, 25190), (703, 25265), (711, 25280), (753, 25361), (760, 25391), (774, 25421), (788, 25466), (789, 25469),

Gene: Red305_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for Red305_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782),

(634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 54

Candidate Starts for RedRock_35:

(Start: 54 @25191 has 29 MA's), (97, 25302), (100, 25311), (112, 25344), (132, 25398), (142, 25434), (145, 25446), (151, 25458), (270, 25605), (280, 25614), (292, 25635), (295, 25647), (441, 25713), (460, 25782), (464, 25803), (467, 25821), (473, 25845), (490, 25944), (491, 25953), (522, 26085), (539, 26142), (548, 26175), (561, 26232), (580, 26286), (593, 26355), (631, 26517), (643, 26571), (663, 26652), (665, 26673), (675, 26694), (711, 26766), (753, 26847),

Gene: Relief_31 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for Relief_31:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (559, 24053), (562, 24068), (588, 24158), (597, 24197), (605, 24242), (643, 24410), (670, 24527), (674, 24533), (696, 24578), (723, 24629), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: Reptar3000_28 Start: 22013, Stop: 24316, Start Num: 37

Candidate Starts for Reptar3000_28:

(Start: 37 @22013 has 31 MA's), (Start: 52 @22061 has 2 MA's), (55, 22070), (73, 22124), (Start: 90 @22157 has 2 MA's), (127, 22265), (170, 22394), (184, 22445), (186, 22454), (214, 22535), (231, 22592), (259, 22652), (286, 22664), (301, 22679), (304, 22685), (316, 22718), (338, 22766), (369, 22820), (399, 22892), (459, 23072), (476, 23153), (502, 23303), (513, 23345), (525, 23402), (527, 23414), (550, 23519), (564, 23585), (570, 23600), (594, 23696), (627, 23849), (631, 23864), (632, 23870), (635, 23894), (644, 23933), (647, 23945), (667, 24041), (688, 24077), (694, 24092), (696, 24095), (705, 24116), (713, 24131), (754, 24200), (761, 24230), (791, 24308),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for ResDef_32:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (443, 23967), (464, 24054), (473, 24096), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Retro23_31 Start: 22846, Stop: 25044, Start Num: 54

Candidate Starts for Retro23_31:

(Start: 54 @22846 has 29 MA's), (60, 22867), (100, 22966), (132, 23056), (142, 23092), (178, 23194), (181, 23206), (257, 23317), (280, 23383), (330, 23515), (331, 23518), (356, 23581), (464, 23872), (467, 23890), (473, 23914), (512, 24115), (522, 24154), (548, 24244), (561, 24301), (582, 24361), (590, 24406), (594, 24427), (622, 24547), (643, 24637), (644, 24640), (666, 24745), (697, 24799), (774, 24967), (788, 25021),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 48

Candidate Starts for RhynO_34:

(Start: 48 @23623 has 25 MA's), (58, 23656), (116, 23806), (128, 23833), (170, 23962), (183, 24007), (188, 24028), (189, 24031), (464, 24292), (467, 24310), (522, 24571), (539, 24628), (548, 24661), (580, 24772), (593, 24841), (615, 24937), (617, 24949), (622, 24964), (627, 24988), (631, 25003), (632, 25009), (635, 25033), (648, 25075), (658, 25120), (663, 25138), (666, 25162), (703, 25237), (711, 25252), (717, 25261), (732, 25291), (753, 25333), (788, 25438), (789, 25441),

Gene: Richo_27 Start: 20230, Stop: 22731, Start Num: 37

Candidate Starts for Richo_27:

(Start: 37 @20230 has 31 MA's), (Start: 52 @20278 has 2 MA's), (71, 20329), (103, 20401), (118, 20452), (124, 20470), (137, 20503), (143, 20524), (146, 20536), (166, 20590), (189, 20668), (201, 20707), (221, 20764), (231, 20800), (254, 20851), (271, 20881), (277, 20896), (288, 20920), (299, 20953), (306, 20974), (309, 20980), (322, 21019), (379, 21172), (387, 21205), (389, 21217), (414, 21280), (442, 21364), (480, 21547), (488, 21601), (497, 21643), (543, 21835), (545, 21841), (550, 21865), (563, 21928), (577, 21967), (592, 22030), (602, 22087), (609, 22120), (612, 22138), (620, 22177), (629, 22216), (631, 22222), (640, 22279), (667, 22393), (695, 22447), (702, 22462), (716, 22492), (728, 22504), (753, 22561), (758, 22579), (768, 22609), (775, 22627), (794, 22708),

Gene: RockieBear_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for RockieBear_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 223

Candidate Starts for Rockstar_31:

(Start: 223 @22769 has 32 MA's), (282, 22895), (289, 22913), (297, 22928), (317, 22970), (341, 23033), (396, 23189), (404, 23210), (411, 23237), (429, 23312), (443, 23363), (464, 23450), (467, 23468), (473, 23492), (522, 23732), (539, 23789), (548, 23822), (575, 23915), (582, 23939), (602, 24044), (617, 24110), (622, 24125), (660, 24296), (705, 24401), (735, 24455), (755, 24494), (774, 24548), (781, 24575), (787, 24599),

Gene: Romney_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Romney_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Roosevelt_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Roosevelt_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Rosa24_30 Start: 22935, Stop: 24791, Start Num: 230

Candidate Starts for Rosa24_30:

(Start: 230 @22935 has 141 MA's), (285, 23061), (296, 23085), (359, 23244), (362, 23253), (378, 23295), (392, 23340), (395, 23346), (424, 23451), (427, 23463), (447, 23541), (465, 23610), (495, 23778), (504, 23808), (509, 23838), (517, 23865), (522, 23892), (523, 23895), (552, 24000), (556, 24021), (559, 24030), (588, 24135), (597, 24174), (605, 24219), (641, 24381), (670, 24504), (674, 24510), (754, 24672), (757, 24681),

Gene: Rowdy_37 Start: 23534, Stop: 25366, Start Num: 48

Candidate Starts for Rowdy_37:

(Start: 48 @23534 has 25 MA's), (58, 23567), (116, 23717), (128, 23744), (183, 23918), (188, 23939), (189, 23942), (464, 24203), (467, 24221), (522, 24482), (539, 24539), (548, 24572), (580, 24683), (593, 24752), (615, 24848), (617, 24860), (622, 24875), (627, 24899), (631, 24914), (632, 24920), (635, 24944), (648, 24986), (658, 25031), (663, 25049), (666, 25073), (703, 25148), (711, 25163), (717, 25172), (732, 25202), (753, 25244), (788, 25349), (789, 25352),

Gene: Ruin_31 Start: 22956, Stop: 24812, Start Num: 230

Candidate Starts for Ruin_31:

(Start: 230 @22956 has 141 MA's), (285, 23082), (296, 23106), (340, 23211), (342, 23217), (359, 23265), (362, 23274), (378, 23316), (392, 23361), (395, 23367), (424, 23472), (427, 23484), (447, 23562), (465, 23631), (509, 23859), (516, 23883), (517, 23886), (522, 23913), (523, 23916), (552, 24021), (559, 24051), (562, 24066), (588, 24156), (597, 24195), (605, 24240), (643, 24408), (670, 24525), (674, 24531), (696, 24576), (723, 24627), (725, 24630), (754, 24693), (757, 24702), (787, 24789),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 266

Candidate Starts for Rummer_33:

(Start: 266 @23361 has 65 MA's), (320, 23496), (348, 23562), (362, 23607), (379, 23643), (414, 23754), (420, 23775), (429, 23811), (435, 23832), (464, 23949), (489, 24087), (508, 24183), (509, 24186), (528, 24255), (537, 24279), (551, 24324), (561, 24372), (583, 24438), (618, 24609), (620, 24615), (632, 24666), (643, 24711), (651, 24741), (663, 24789), (674, 24831), (682, 24846), (685, 24849), (696, 24873), (747, 24975), (749, 24978), (757, 25002),

Gene: RyeScarlet_34 Start: 24381, Stop: 26147, Start Num: 51

Candidate Starts for RyeScarlet_34:

(Start: 51 @24381 has 26 MA's), (55, 24393), (119, 24567), (151, 24657), (171, 24702), (175, 24711), (280, 24789), (293, 24813), (305, 24849), (464, 24978), (467, 24996), (512, 25221), (519, 25242), (522, 25260), (548, 25350), (561, 25407), (593, 25530), (622, 25653), (631, 25692), (643, 25749), (663, 25830), (665, 25851), (666, 25854), (703, 25929), (711, 25944), (760, 26055), (788, 26130),

Gene: Sabertooth_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Sabertooth_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 266

Candidate Starts for Sabia_33:

(Start: 266 @23270 has 65 MA's), (320, 23405), (348, 23471), (362, 23516), (379, 23552), (420, 23684), (429, 23720), (435, 23741), (449, 23798), (464, 23858), (476, 23912), (484, 23972), (508, 24092), (509, 24095), (528, 24164), (537, 24188), (561, 24281), (568, 24302), (583, 24347), (655, 24677), (674, 24746), (705, 24809), (778, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 266

Candidate Starts for Sabinator_33:

(Start: 266 @23275 has 65 MA's), (320, 23410), (348, 23476), (362, 23521), (379, 23557), (420, 23689), (429, 23725), (435, 23746), (449, 23803), (464, 23863), (476, 23917), (484, 23977), (508,

24097), (509, 24100), (528, 24169), (537, 24193), (561, 24286), (568, 24307), (583, 24352), (655, 24682), (674, 24751), (705, 24814), (778, 24985),

Gene: Sachima_31 Start: 24389, Stop: 26143, Start Num: 55

Candidate Starts for Sachima_31:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: Saguaro_31 Start: 30959, Stop: 33436, Start Num: 24

Candidate Starts for Saguaro_31:

(Start: 24 @30959 has 8 MA's), (28, 30971), (Start: 51 @31055 has 26 MA's), (Start: 53 @31061 has 32 MA's), (56, 31073), (75, 31130), (99, 31181), (142, 31301), (157, 31346), (170, 31382), (179, 31406), (212, 31520), (218, 31535), (252, 31619), (271, 31673), (285, 31706), (294, 31721), (318, 31781), (324, 31793), (326, 31799), (341, 31838), (352, 31865), (357, 31886), (363, 31904), (368, 31919), (388, 31985), (398, 32000), (412, 32048), (426, 32114), (438, 32153), (450, 32207), (464, 32261), (467, 32279), (475, 32312), (496, 32438), (505, 32474), (522, 32543), (526, 32555), (536, 32585), (542, 32609), (548, 32633), (561, 32690), (582, 32750), (583, 32756), (585, 32762), (586, 32768), (587, 32780), (589, 32792), (590, 32795), (593, 32813), (602, 32855), (622, 32936), (624, 32939), (627, 32960), (642, 33026), (644, 33032), (663, 33113), (666, 33137), (732, 33263), (754, 33302), (755, 33305), (757, 33311), (760, 33329), (774, 33359), (780, 33380), (788, 33416),

Gene: Samty_21 Start: 19727, Stop: 22240, Start Num: 18

Candidate Starts for Samty_21:

(Start: 18 @19727 has 19 MA's), (29, 19790), (50, 19862), (82, 19952), (84, 19958), (108, 20030), (184, 20222), (187, 20234), (194, 20252), (204, 20291), (217, 20321), (233, 20378), (253, 20408), (256, 20414), (276, 20468), (278, 20474), (339, 20621), (340, 20624), (343, 20633), (351, 20651), (370, 20711), (374, 20720), (377, 20732), (390, 20783), (391, 20786), (436, 20951), (449, 21008), (469, 21092), (473, 21110), (475, 21119), (484, 21182), (508, 21302), (521, 21347), (526, 21362), (531, 21380), (540, 21410), (562, 21500), (585, 21569), (590, 21602), (594, 21623), (602, 21659), (610, 21695), (620, 21740), (626, 21764), (627, 21770), (631, 21785), (634, 21803), (642, 21836), (654, 21890), (660, 21914), (669, 21950), (671, 21956), (685, 21980), (759, 22145), (761, 22154), (766, 22160),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 223

Candidate Starts for SaturnRing_31:

(Start: 223 @22838 has 32 MA's), (289, 22982), (297, 22997), (317, 23039), (362, 23162), (379, 23210), (393, 23252), (396, 23258), (404, 23279), (464, 23519), (470, 23549), (479, 23597), (502, 23723), (512, 23762), (522, 23801), (539, 23858), (548, 23891), (590, 24053), (591, 24056), (602, 24113), (617, 24179), (622, 24194), (666, 24395), (732, 24521), (735, 24524), (767, 24605), (774, 24617), (781, 24644), (788, 24674),

Gene: Scamp_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Scamp_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 51

Candidate Starts for Scherzo_33:

(Start: 51 @24410 has 26 MA's), (55, 24422), (119, 24596), (151, 24686), (171, 24731), (175, 24740), (280, 24818), (293, 24842), (305, 24878), (464, 25007), (467, 25025), (512, 25250), (519, 25271), (522, 25289), (548, 25379), (561, 25436), (593, 25559), (622, 25682), (631, 25721), (643, 25778), (663, 25859), (665, 25880), (666, 25883), (711, 25973), (760, 26084), (788, 26159),

Gene: Scitech_20 Start: 17553, Stop: 20192, Start Num: 8

Candidate Starts for Scitech_20:

(6, 17541), (Start: 8 @17553 has 17 MA's), (10, 17565), (20, 17676), (30, 17700), (31, 17703), (Start: 33 @17712 has 1 MA's), (81, 17850), (100, 17892), (101, 17895), (137, 17985), (140, 17994), (141, 17997), (148, 18018), (153, 18030), (164, 18063), (182, 18117), (202, 18189), (214, 18219), (Start: 222 @18255 has 1 MA's), (247, 18318), (254, 18333), (268, 18360), (271, 18366), (299, 18441), (306, 18465), (309, 18471), (314, 18483), (327, 18525), (330, 18531), (362, 18618), (405, 18750), (413, 18768), (421, 18801), (429, 18828), (442, 18879), (483, 19089), (496, 19155), (504, 19191), (526, 19290), (528, 19302), (546, 19365), (588, 19527), (592, 19542), (602, 19593), (627, 19710), (635, 19755), (647, 19797), (654, 19833), (666, 19887), (691, 19935), (760, 20079), (779, 20136), (788, 20175), (791, 20184),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 223

Candidate Starts for Scout_31:

(Start: 223 @22139 has 32 MA's), (282, 22265), (285, 22274), (317, 22340), (324, 22361), (341, 22403), (396, 22559), (411, 22607), (427, 22676), (429, 22682), (438, 22712), (464, 22820), (467, 22838), (473, 22862), (522, 23102), (548, 23192), (582, 23309), (602, 23414), (617, 23480), (622, 23495), (660, 23666), (705, 23771), (735, 23825), (755, 23864), (774, 23918), (781, 23945), (787, 23969),

Gene: SemperFi_33 Start: 23055, Stop: 25259, Start Num: 54

Candidate Starts for SemperFi_33:

(Start: 54 @23055 has 29 MA's), (60, 23076), (100, 23175), (132, 23265), (142, 23301), (178, 23403), (280, 23592), (331, 23727), (356, 23790), (381, 23868), (464, 24081), (467, 24099), (473, 24123), (512, 24324), (522, 24363), (548, 24453), (561, 24510), (582, 24570), (590, 24615), (594, 24636), (622, 24756), (627, 24780), (644, 24855), (666, 24960), (677, 24984), (697, 25014), (730, 25074), (757, 25134), (774, 25182), (781, 25206), (782, 25209), (788, 25236),

Gene: SenorClean_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for SenorClean_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Severus_31 Start: 21405, Stop: 23687, Start Num: 48

Candidate Starts for Severus_31:

(Start: 48 @21405 has 25 MA's), (58, 21438), (93, 21522), (116, 21588), (162, 21720), (178, 21765), (183, 21789), (188, 21810), (189, 21813), (200, 21843), (205, 21867), (211, 21885), (228, 21942), (251, 22002), (280, 22080), (310, 22155), (343, 22245), (363, 22305), (426, 22371), (464, 22518), (467, 22536), (473, 22560), (499, 22704), (512, 22761), (522, 22800), (527, 22821), (548, 22890), (582, 23007), (590, 23052), (597, 23082), (600, 23100), (602, 23112), (617, 23178), (627, 23217), (631, 23232), (632, 23238), (639, 23271), (643, 23289), (665, 23391), (666, 23394), (696, 23451), (703, 23469), (705, 23472), (711, 23484), (732, 23523), (753, 23565), (754, 23568), (788, 23670),

Gene: SgtBeansprout_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for SgtBeansprout_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: Shadow1_25 Start: 19919, Stop: 22255, Start Num: 23

Candidate Starts for Shadow1_25:

(19, 19886), (Start: 23 @19919 has 36 MA's), (26, 19928), (38, 19976), (40, 19979), (97, 20120), (141, 20159), (178, 20255), (181, 20264), (205, 20354), (249, 20465), (295, 20567), (329, 20648), (341, 20678), (346, 20690), (356, 20717), (359, 20732), (377, 20756), (393, 20816), (415, 20888), (434, 20954), (454, 21044), (464, 21086), (468, 21107), (471, 21119), (475, 21137), (489, 21224), (502, 21287), (508, 21320), (528, 21392), (566, 21521), (590, 21614), (593, 21632), (650, 21878), (657, 21911), (696, 22016), (703, 22034), (749, 22121), (757, 22145), (771, 22187), (791, 22247),

Gene: Shaka_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Shaka_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Shaobing_27 Start: 20230, Stop: 22731, Start Num: 37

Candidate Starts for Shaobing_27:

(Start: 37 @20230 has 31 MA's), (Start: 52 @20278 has 2 MA's), (71, 20329), (103, 20401), (118, 20452), (124, 20470), (137, 20503), (143, 20524), (146, 20536), (166, 20590), (189, 20668), (201, 20707), (221, 20764), (231, 20800), (254, 20851), (271, 20881), (277, 20896), (288, 20920), (299, 20953), (306, 20974), (309, 20980), (322, 21019), (379, 21172), (387, 21205), (389, 21217), (414, 21280), (442, 21364), (480, 21547), (488, 21601), (497, 21643), (543, 21835), (545, 21841), (550, 21865), (563, 21928), (564, 21931), (577, 21967), (592, 22030), (602, 22087), (609, 22120), (612, 22138), (620, 22177), (629, 22216), (631, 22222), (640, 22279), (667, 22393), (695, 22447), (702, 22462), (716, 22492), (728, 22504), (753, 22561), (758, 22579), (768, 22609), (775, 22627), (794, 22708),

Gene: Shapes_37 Start: 23534, Stop: 25366, Start Num: 48

Candidate Starts for Shapes_37:

(Start: 48 @23534 has 25 MA's), (58, 23567), (116, 23717), (128, 23744), (183, 23918), (188, 23939), (189, 23942), (464, 24203), (467, 24221), (522, 24482), (539, 24539), (548, 24572), (580, 24683), (593, 24752), (615, 24848), (617, 24860), (622, 24875), (627, 24899), (631, 24914), (632, 24920), (635, 24944), (648, 24986), (658, 25031), (663, 25049), (666, 25073), (703, 25148), (711, 25163), (717, 25172), (732, 25202), (753, 25244), (788, 25349), (789, 25352),

Gene: ShedlockHolmes_26 Start: 21295, Stop: 23643, Start Num: 23

Candidate Starts for ShedlockHolmes_26:

(Start: 23 @21295 has 36 MA's), (32, 21322), (40, 21355), (55, 21400), (169, 21619), (183, 21664), (194, 21700), (200, 21718), (Start: 223 @21796 has 32 MA's), (249, 21844), (307, 21976), (329, 22030), (336, 22045), (382, 22153), (415, 22270), (425, 22312), (426, 22318), (429, 22327), (434,

22336), (440, 22381), (449, 22417), (454, 22435), (464, 22477), (468, 22498), (473, 22519), (475, 22528), (489, 22615), (507, 22708), (508, 22711), (528, 22783), (583, 22966), (593, 23023), (615, 23122), (619, 23140), (632, 23194), (639, 23224), (642, 23239), (643, 23242), (646, 23251), (650, 23269), (651, 23275), (657, 23302), (663, 23323), (668, 23353), (691, 23398), (696, 23407), (757, 23536), (771, 23575), (773, 23578),

Gene: SheldonCooper_32 Start: 23275, Stop: 25131, Start Num: 230

Candidate Starts for SheldonCooper_32:

(Start: 230 @23275 has 141 MA's), (285, 23401), (296, 23425), (340, 23530), (342, 23536), (359, 23584), (378, 23635), (395, 23686), (424, 23791), (427, 23803), (447, 23881), (465, 23950), (495, 24118), (504, 24148), (509, 24178), (516, 24202), (517, 24205), (522, 24232), (523, 24235), (552, 24340), (556, 24361), (559, 24370), (597, 24514), (605, 24559), (641, 24721), (670, 24844), (696, 24895), (754, 25012), (757, 25021), (787, 25108),

Gene: Shweta_20 Start: 17560, Stop: 20199, Start Num: 8

Candidate Starts for Shweta_20:

(6, 17548), (Start: 8 @17560 has 17 MA's), (10, 17572), (20, 17683), (30, 17707), (31, 17710), (Start: 33 @17719 has 1 MA's), (81, 17857), (100, 17899), (101, 17902), (137, 17992), (140, 18001), (141, 18004), (148, 18025), (153, 18037), (164, 18070), (182, 18124), (202, 18196), (214, 18226), (Start: 222 @18262 has 1 MA's), (247, 18325), (254, 18340), (268, 18367), (271, 18373), (299, 18448), (306, 18472), (309, 18478), (314, 18490), (327, 18532), (330, 18538), (366, 18637), (405, 18757), (413, 18775), (421, 18808), (429, 18835), (442, 18886), (483, 19096), (496, 19162), (504, 19198), (526, 19297), (528, 19309), (546, 19372), (588, 19534), (592, 19549), (602, 19600), (627, 19717), (635, 19762), (647, 19804), (654, 19840), (666, 19894), (691, 19942), (760, 20086), (779, 20143), (788, 20182), (791, 20191),

Gene: Shygu2_31 Start: 22966, Stop: 24825, Start Num: 230

Candidate Starts for Shygu2_31:

(208, 22903), (Start: 230 @22966 has 141 MA's), (251, 23014), (260, 23032), (296, 23116), (304, 23134), (319, 23179), (325, 23191), (392, 23371), (413, 23431), (424, 23482), (427, 23494), (447, 23572), (465, 23641), (509, 23869), (517, 23896), (522, 23923), (523, 23926), (552, 24034), (556, 24055), (559, 24064), (582, 24133), (588, 24169), (597, 24208), (641, 24415), (670, 24538), (696, 24589), (754, 24706), (757, 24715),

Gene: SkinnyPete_20 Start: 17557, Stop: 20202, Start Num: 8

Candidate Starts for SkinnyPete_20:

(6, 17545), (Start: 8 @17557 has 17 MA's), (10, 17569), (20, 17680), (30, 17704), (31, 17707), (Start: 33 @17716 has 1 MA's), (47, 17764), (137, 17989), (141, 18001), (148, 18022), (164, 18067), (182, 18121), (202, 18199), (214, 18229), (Start: 222 @18265 has 1 MA's), (231, 18286), (237, 18301), (254, 18343), (271, 18376), (299, 18451), (306, 18475), (309, 18481), (314, 18493), (327, 18535), (330, 18541), (366, 18640), (405, 18760), (413, 18778), (421, 18811), (429, 18838), (442, 18889), (483, 19099), (496, 19165), (504, 19201), (528, 19312), (546, 19375), (588, 19537), (592, 19552), (602, 19603), (627, 19720), (635, 19765), (647, 19807), (654, 19843), (666, 19897), (691, 19945), (760, 20089), (779, 20146), (788, 20185), (791, 20194),

Gene: Skipitt_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for Skipitt_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Sknot_31 Start: 22776, Stop: 24998, Start Num: 53

Candidate Starts for Sknot_31:

(Start: 53 @22776 has 32 MA's), (97, 22890), (102, 22905), (145, 23037), (183, 23151), (188, 23172), (200, 23205), (280, 23316), (296, 23355), (331, 23451), (367, 23553), (464, 23802), (470, 23832), (473, 23844), (505, 24015), (522, 24084), (548, 24183), (580, 24294), (582, 24300), (583, 24306), (590, 24345), (601, 24402), (602, 24405), (617, 24471), (635, 24555), (653, 24627), (692, 24747), (752, 24858), (767, 24909), (774, 24921),

Gene: Slarp_28 Start: 22283, Stop: 24592, Start Num: 37

Candidate Starts for Slarp_28:

(Start: 37 @22283 has 31 MA's), (73, 22394), (85, 22418), (127, 22535), (170, 22664), (184, 22715), (186, 22724), (199, 22757), (210, 22796), (214, 22805), (231, 22862), (234, 22871), (259, 22922), (286, 22934), (301, 22949), (304, 22955), (316, 22988), (338, 23036), (369, 23090), (399, 23162), (413, 23201), (417, 23213), (429, 23228), (442, 23273), (459, 23342), (476, 23423), (502, 23576), (525, 23675), (527, 23687), (550, 23792), (564, 23858), (570, 23873), (594, 23969), (627, 24122), (631, 24137), (632, 24143), (635, 24167), (644, 24206), (647, 24218), (667, 24314), (696, 24368), (705, 24389), (754, 24476), (761, 24506), (791, 24584),

Gene: Smeagan_33 Start: 23263, Stop: 25350, Start Num: 53

Candidate Starts for Smeagan_33:

(Start: 53 @23263 has 32 MA's), (97, 23377), (100, 23386), (102, 23392), (111, 23419), (132, 23476), (178, 23614), (280, 23803), (331, 23938), (349, 23980), (367, 24040), (460, 24154), (464, 24175), (467, 24193), (473, 24217), (491, 24325), (512, 24418), (519, 24439), (522, 24457), (548, 24547), (561, 24604), (562, 24607), (582, 24664), (583, 24670), (590, 24709), (594, 24730), (635, 24919), (642, 24940), (666, 25051), (742, 25189), (764, 25255), (774, 25273), (792, 25342),

Gene: SnapTap_31 Start: 22698, Stop: 24902, Start Num: 54

Candidate Starts for SnapTap_31:

(Start: 54 @22698 has 29 MA's), (60, 22719), (102, 22824), (132, 22908), (142, 22944), (178, 23046), (181, 23058), (280, 23235), (331, 23370), (356, 23433), (464, 23724), (467, 23742), (473, 23766), (497, 23904), (512, 23967), (522, 24006), (548, 24096), (561, 24153), (582, 24213), (590, 24258), (594, 24279), (622, 24399), (627, 24423), (635, 24468), (653, 24540), (666, 24600), (755, 24771), (774, 24825), (782, 24852), (788, 24879),

Gene: Snenia_21 Start: 19725, Stop: 22238, Start Num: 18

Candidate Starts for Snenia_21:

(Start: 18 @19725 has 19 MA's), (29, 19788), (50, 19860), (82, 19950), (84, 19956), (108, 20028), (150, 20115), (184, 20220), (187, 20232), (194, 20250), (204, 20289), (217, 20319), (233, 20376), (253, 20406), (256, 20412), (276, 20466), (278, 20472), (339, 20619), (340, 20622), (343, 20631), (351, 20649), (370, 20709), (374, 20718), (377, 20730), (390, 20781), (391, 20784), (436, 20949), (449, 21006), (469, 21090), (473, 21108), (475, 21117), (484, 21180), (508, 21300), (518, 21324), (521, 21345), (526, 21360), (531, 21378), (540, 21408), (562, 21498), (585, 21567), (590, 21600), (594, 21621), (602, 21657), (610, 21693), (620, 21738), (626, 21762), (627, 21768), (631, 21783), (634, 21801), (654, 21888), (660, 21912), (669, 21948), (671, 21954), (685, 21978), (722, 22053), (724, 22056), (759, 22143), (761, 22152), (766, 22158),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 266

Candidate Starts for Snickers_33:

(Start: 266 @23251 has 65 MA's), (320, 23386), (348, 23452), (362, 23497), (379, 23533), (420, 23665), (429, 23701), (435, 23722), (449, 23779), (464, 23839), (476, 23893), (484, 23953), (508, 24073), (509, 24076), (528, 24145), (537, 24169), (561, 24262), (568, 24283), (583, 24328), (655, 24658), (674, 24727), (705, 24790), (778, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 266

Candidate Starts for SoYo_33:

(Start: 266 @23188 has 65 MA's), (320, 23323), (348, 23389), (362, 23434), (379, 23470), (420, 23602), (429, 23638), (435, 23659), (449, 23716), (464, 23776), (476, 23830), (484, 23890), (508, 24010), (509, 24013), (528, 24082), (537, 24106), (561, 24199), (568, 24220), (583, 24265), (655, 24595), (674, 24664), (705, 24727), (778, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 45

Candidate Starts for SoilDragon_33:

(Start: 45 @22965 has 18 MA's), (97, 23100), (119, 23166), (135, 23211), (145, 23247), (171, 23319), (183, 23361), (270, 23406), (292, 23436), (464, 23604), (467, 23622), (473, 23646), (497, 23784), (502, 23808), (512, 23847), (522, 23886), (548, 23976), (590, 24138), (594, 24159), (613, 24246), (631, 24318), (637, 24348), (648, 24390), (663, 24453), (666, 24477), (703, 24552), (711, 24567), (732, 24606), (753, 24648), (788, 24753),

Gene: SororFago_31 Start: 21994, Stop: 24447, Start Num: 21

Candidate Starts for SororFago_31:

(Start: 21 @21994 has 5 MA's), (97, 22210), (117, 22267), (138, 22288), (196, 22453), (244, 22588), (345, 22843), (346, 22846), (370, 22909), (376, 22927), (383, 22954), (386, 22966), (398, 23008), (400, 23011), (460, 23245), (465, 23275), (467, 23284), (491, 23416), (505, 23479), (521, 23545), (522, 23548), (548, 23647), (568, 23725), (582, 23764), (590, 23809), (602, 23869), (616, 23935), (621, 23950), (642, 24040), (644, 24046), (660, 24121), (689, 24190), (760, 24355), (769, 24373), (778, 24400),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 266

Candidate Starts for Soshari_35:

(Start: 266 @23360 has 65 MA's), (320, 23495), (344, 23552), (348, 23561), (362, 23606), (379, 23642), (414, 23753), (420, 23774), (429, 23810), (435, 23831), (464, 23948), (489, 24086), (508, 24182), (509, 24185), (528, 24254), (537, 24278), (551, 24323), (561, 24371), (583, 24437), (618, 24608), (620, 24614), (632, 24665), (643, 24710), (651, 24740), (663, 24788), (674, 24830), (682, 24845), (685, 24848), (696, 24872), (747, 24974), (749, 24977), (757, 25001),

Gene: Sparxx_31 Start: 22958, Stop: 24814, Start Num: 230

Candidate Starts for Sparxx_31:

(Start: 230 @22958 has 141 MA's), (285, 23084), (296, 23108), (340, 23213), (342, 23219), (359, 23267), (362, 23276), (378, 23318), (392, 23363), (395, 23369), (424, 23474), (427, 23486), (447, 23564), (465, 23633), (509, 23861), (516, 23885), (517, 23888), (522, 23915), (523, 23918), (552, 24023), (559, 24053), (562, 24068), (588, 24158), (597, 24197), (602, 24224), (605, 24242), (627, 24341), (670, 24527), (696, 24578), (725, 24632), (754, 24695), (757, 24704), (787, 24791),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 266

Candidate Starts for Spike509_33:

(Start: 266 @23361 has 65 MA's), (320, 23496), (348, 23562), (362, 23607), (379, 23643), (414, 23754), (420, 23775), (429, 23811), (435, 23832), (464, 23949), (489, 24087), (508, 24183), (509, 24186), (528, 24255), (537, 24279), (551, 24324), (561, 24372), (583, 24438), (617, 24606), (618, 24609), (620, 24615), (632, 24666), (643, 24711), (651, 24741), (663, 24789), (674, 24831), (682, 24846), (685, 24849), (696, 24873), (747, 24975), (749, 24978), (757, 25002),

Gene: Spino_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Spino_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447,

23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Spouty_33 Start: 24443, Stop: 26209, Start Num: 51

Candidate Starts for Spouty_33:

(Start: 51 @24443 has 26 MA's), (119, 24629), (151, 24719), (171, 24764), (175, 24773), (280, 24851), (293, 24875), (305, 24911), (464, 25040), (467, 25058), (512, 25283), (519, 25304), (522, 25322), (548, 25412), (561, 25469), (593, 25592), (622, 25715), (631, 25754), (643, 25811), (663, 25892), (665, 25913), (666, 25916), (711, 26006), (760, 26117), (788, 26192),

Gene: Squirty_19 Start: 17305, Stop: 19920, Start Num: 7

Candidate Starts for Squirty_19:

(Start: 7 @17305 has 1 MA's), (10, 17326), (13, 17347), (14, 17386), (27, 17455), (30, 17464), (31, 17467), (34, 17485), (47, 17518), (55, 17533), (107, 17635), (133, 17692), (140, 17716), (160, 17773), (183, 17848), (203, 17920), (Start: 222 @17983 has 1 MA's), (228, 17998), (238, 18022), (247, 18046), (254, 18061), (258, 18070), (271, 18097), (275, 18103), (292, 18148), (299, 18172), (306, 18193), (309, 18199), (313, 18208), (320, 18235), (349, 18301), (353, 18313), (362, 18346), (366, 18358), (405, 18478), (413, 18496), (421, 18529), (442, 18607), (465, 18712), (475, 18754), (516, 18973), (524, 19012), (525, 19015), (528, 19030), (546, 19093), (558, 19141), (588, 19255), (594, 19285), (600, 19312), (602, 19321), (627, 19438), (635, 19483), (647, 19525), (663, 19591), (666, 19615), (691, 19663), (694, 19669), (698, 19675), (703, 19690), (751, 19774), (761, 19813), (788, 19903), (791, 19912),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 266

Candidate Starts for Stagni_33:

(Start: 266 @23279 has 65 MA's), (320, 23414), (348, 23480), (362, 23525), (379, 23561), (420, 23693), (429, 23729), (435, 23750), (449, 23807), (464, 23867), (476, 23921), (484, 23981), (508, 24101), (509, 24104), (528, 24173), (537, 24197), (561, 24290), (568, 24311), (583, 24356), (655, 24686), (674, 24755), (705, 24818), (778, 24989),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 48

Candidate Starts for Stasia_32:

(Start: 48 @23404 has 25 MA's), (69, 23470), (97, 23530), (119, 23596), (132, 23629), (140, 23659), (142, 23665), (159, 23713), (177, 23764), (270, 23836), (429, 23938), (464, 24076), (467, 24094), (522, 24358), (548, 24448), (590, 24610), (594, 24631), (615, 24724), (622, 24751), (627, 24775), (631, 24790), (663, 24925), (666, 24949), (675, 24967), (711, 25039), (753, 25120),

Gene: SteMason_30 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for SteMason_30:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 266

Candidate Starts for StepMih_33:

(Start: 266 @23270 has 65 MA's), (320, 23405), (348, 23471), (362, 23516), (379, 23552), (420, 23684), (429, 23720), (435, 23741), (449, 23798), (464, 23858), (476, 23912), (484, 23972), (508, 24092), (509, 24095), (528, 24164), (537, 24188), (561, 24281), (568, 24302), (583, 24347), (655,

24677), (674, 24746), (705, 24809), (778, 24980),

Gene: Stink_32 Start: 23240, Stop: 25099, Start Num: 230

Candidate Starts for Stink_32:

(Start: 230 @23240 has 141 MA's), (260, 23306), (296, 23390), (304, 23408), (319, 23453), (342, 23501), (362, 23558), (378, 23600), (395, 23651), (404, 23672), (413, 23705), (424, 23756), (427, 23768), (441, 23822), (447, 23846), (465, 23915), (509, 24143), (517, 24170), (522, 24197), (523, 24200), (552, 24308), (556, 24329), (559, 24338), (582, 24407), (588, 24443), (597, 24482), (611, 24551), (641, 24689), (670, 24812), (674, 24818), (754, 24980), (757, 24989),

Gene: StressBall_21 Start: 18926, Stop: 21559, Start Num: 8

Candidate Starts for StressBall_21:

(Start: 8 @18926 has 17 MA's), (9, 18935), (31, 19079), (137, 19352), (141, 19364), (148, 19385), (156, 19409), (182, 19484), (202, 19556), (214, 19586), (Start: 222 @19622 has 1 MA's), (247, 19685), (254, 19700), (268, 19727), (271, 19733), (299, 19808), (306, 19832), (309, 19838), (314, 19850), (327, 19892), (330, 19898), (362, 19985), (370, 20006), (379, 20030), (400, 20096), (405, 20117), (413, 20135), (421, 20168), (428, 20192), (429, 20195), (442, 20246), (465, 20351), (475, 20393), (504, 20558), (525, 20654), (546, 20732), (549, 20744), (575, 20834), (588, 20894), (590, 20903), (600, 20951), (602, 20960), (627, 21077), (635, 21122), (647, 21164), (663, 21230), (666, 21254), (691, 21302), (694, 21308), (698, 21314), (751, 21413), (754, 21422), (761, 21452), (788, 21542), (791, 21551),

Gene: Strobilo_23 Start: 18661, Stop: 21000, Start Num: 23

Candidate Starts for Strobilo_23:

(Start: 23 @18661 has 36 MA's), (76, 18832), (86, 18850), (139, 18901), (181, 19018), (188, 19051), (232, 19180), (243, 19189), (249, 19204), (254, 19216), (258, 19225), (278, 19273), (322, 19369), (329, 19387), (339, 19408), (356, 19453), (393, 19555), (415, 19627), (425, 19669), (429, 19684), (448, 19771), (454, 19792), (464, 19834), (468, 19855), (489, 19972), (491, 19981), (499, 20017), (508, 20068), (509, 20071), (526, 20125), (528, 20137), (537, 20161), (562, 20257), (568, 20275), (578, 20302), (590, 20359), (632, 20548), (639, 20578), (651, 20629), (654, 20647), (663, 20677), (681, 20731), (696, 20761), (705, 20782), (762, 20914),

Gene: Sultana_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for Sultana_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (556, 24047), (559, 24056), (588, 24161), (597, 24200), (605, 24245), (641, 24407), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: Sunflower1121_25 Start: 19931, Stop: 22267, Start Num: 23

Candidate Starts for Sunflower1121_25:

(19, 19898), (Start: 23 @19931 has 36 MA's), (26, 19940), (38, 19988), (40, 19991), (97, 20132), (141, 20171), (178, 20267), (205, 20366), (249, 20477), (295, 20579), (329, 20660), (341, 20690), (346, 20702), (356, 20729), (359, 20744), (377, 20768), (393, 20828), (415, 20900), (434, 20966), (454, 21056), (464, 21098), (468, 21119), (475, 21149), (489, 21236), (502, 21299), (508, 21332), (528, 21404), (566, 21533), (590, 21626), (593, 21644), (650, 21890), (657, 21923), (696, 22028), (703, 22046), (749, 22133), (757, 22157), (771, 22199), (791, 22259),

Gene: SweetiePie_31 Start: 22698, Stop: 24902, Start Num: 54

Candidate Starts for SweetiePie_31:

(Start: 54 @22698 has 29 MA's), (60, 22719), (102, 22824), (132, 22908), (142, 22944), (178, 23046), (181, 23058), (280, 23235), (331, 23370), (464, 23724), (467, 23742), (473, 23766), (497, 23904), (512, 23967), (522, 24006), (548, 24096), (561, 24153), (582, 24213), (590, 24258), (594, 24279), (622, 24399), (627, 24423), (635, 24468), (653, 24540), (666, 24600), (755, 24771), (774, 24825), (782, 24852), (788, 24879),

Gene: Syra333_26 Start: 20027, Stop: 22357, Start Num: 23

Candidate Starts for Syra333_26:

(Start: 23 @20027 has 36 MA's), (40, 20087), (86, 20216), (97, 20228), (141, 20267), (178, 20363), (181, 20372), (205, 20462), (219, 20501), (232, 20549), (249, 20573), (253, 20582), (295, 20675), (300, 20690), (329, 20756), (341, 20786), (346, 20798), (356, 20825), (359, 20840), (377, 20864), (393, 20924), (408, 20969), (415, 20996), (424, 21035), (429, 21053), (434, 21062), (448, 21131), (449, 21134), (454, 21152), (464, 21194), (468, 21215), (473, 21236), (475, 21245), (480, 21281), (489, 21332), (508, 21428), (528, 21497), (548, 21557), (566, 21626), (568, 21635), (583, 21680), (590, 21719), (593, 21737), (600, 21767), (632, 21908), (642, 21953), (650, 21983), (654, 22007), (657, 22016), (663, 22037), (668, 22067), (757, 22250), (765, 22277), (771, 22289), (791, 22349),

Gene: TBond007_26 Start: 21085, Stop: 23436, Start Num: 23

Candidate Starts for TBond007_26:

(Start: 23 @21085 has 36 MA's), (32, 21112), (40, 21145), (74, 21250), (169, 21409), (183, 21454), (194, 21490), (200, 21508), (Start: 223 @21586 has 32 MA's), (249, 21634), (307, 21766), (329, 21820), (336, 21835), (382, 21943), (415, 22060), (425, 22102), (426, 22108), (429, 22117), (434, 22126), (449, 22207), (454, 22225), (464, 22267), (468, 22288), (473, 22309), (475, 22318), (489, 22405), (507, 22498), (508, 22501), (528, 22573), (567, 22708), (568, 22711), (583, 22756), (590, 22795), (593, 22813), (615, 22912), (619, 22930), (632, 22984), (639, 23014), (643, 23032), (650, 23059), (651, 23065), (663, 23113), (691, 23188), (696, 23197), (705, 23218), (709, 23227), (757, 23326), (771, 23368),

Gene: TClif_26 Start: 20078, Stop: 22420, Start Num: 23

Candidate Starts for TClif_26:

(Start: 23 @20078 has 36 MA's), (35, 20126), (Start: 54 @20177 has 29 MA's), (76, 20249), (87, 20270), (178, 20417), (181, 20426), (192, 20471), (249, 20627), (253, 20636), (295, 20729), (300, 20744), (322, 20792), (329, 20810), (335, 20825), (341, 20840), (356, 20879), (359, 20894), (377, 20918), (393, 20978), (412, 21035), (415, 21050), (429, 21107), (448, 21188), (454, 21209), (464, 21251), (468, 21272), (473, 21293), (486, 21377), (489, 21389), (502, 21452), (508, 21485), (518, 21509), (522, 21533), (528, 21557), (548, 21617), (560, 21665), (583, 21740), (590, 21779), (593, 21797), (619, 21914), (632, 21968), (650, 22043), (663, 22097), (691, 22172), (705, 22202), (730, 22247), (791, 22412),

Gene: TM4_23 Start: 18727, Stop: 21081, Start Num: 23

Candidate Starts for TM4_23:

(Start: 23 @18727 has 36 MA's), (64, 18859), (181, 19084), (192, 19129), (249, 19270), (258, 19291), (278, 19339), (339, 19474), (346, 19492), (356, 19519), (359, 19534), (393, 19621), (415, 19693), (425, 19735), (426, 19741), (432, 19756), (434, 19759), (440, 19795), (468, 19912), (473, 19933), (506, 20104), (508, 20125), (534, 20221), (540, 20242), (551, 20275), (568, 20350), (571, 20356), (583, 20395), (586, 20407), (590, 20434), (593, 20452), (618, 20566), (626, 20596), (627, 20602), (635, 20647), (642, 20668), (653, 20719), (667, 20782), (701, 20848), (710, 20869), (721, 20890), (739, 20926), (791, 21073),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 223

Candidate Starts for TNguyen7_31:

(Start: 223 @22806 has 32 MA's), (289, 22950), (297, 22965), (317, 23007), (362, 23130), (379, 23178), (393, 23220), (396, 23226), (404, 23247), (464, 23487), (470, 23517), (479, 23565), (502,

23691), (512, 23730), (522, 23769), (539, 23826), (548, 23859), (590, 24021), (591, 24024), (602, 24081), (617, 24147), (622, 24162), (666, 24363), (732, 24489), (735, 24492), (767, 24573), (774, 24585), (781, 24612), (788, 24642),

Gene: Taquarus_31 Start: 22963, Stop: 24819, Start Num: 230

Candidate Starts for Taquarus_31:

(Start: 230 @22963 has 141 MA's), (285, 23089), (296, 23113), (340, 23218), (342, 23224), (359, 23272), (362, 23281), (378, 23323), (392, 23368), (395, 23374), (424, 23479), (427, 23491), (447, 23569), (465, 23638), (509, 23866), (516, 23890), (517, 23893), (522, 23920), (523, 23923), (552, 24028), (559, 24058), (562, 24073), (588, 24163), (597, 24202), (605, 24247), (643, 24415), (670, 24532), (674, 24538), (696, 24583), (723, 24634), (725, 24637), (754, 24700), (757, 24709), (787, 24796),

Gene: TarsusIV_31 Start: 22846, Stop: 25041, Start Num: 54

Candidate Starts for TarsusIV_31:

(Start: 54 @22846 has 29 MA's), (60, 22867), (97, 22957), (100, 22966), (119, 23023), (177, 23191), (178, 23194), (183, 23218), (200, 23272), (280, 23383), (296, 23422), (331, 23518), (346, 23554), (381, 23659), (464, 23869), (467, 23887), (512, 24112), (526, 24163), (548, 24241), (561, 24298), (590, 24403), (594, 24424), (601, 24460), (617, 24529), (627, 24568), (635, 24613), (644, 24640), (660, 24715), (666, 24745), (677, 24769), (757, 24919), (766, 24952), (774, 24967),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 266

Candidate Starts for Taurus_33:

(Start: 266 @23276 has 65 MA's), (320, 23411), (348, 23477), (362, 23522), (379, 23558), (420, 23690), (429, 23726), (435, 23747), (449, 23804), (464, 23864), (476, 23918), (484, 23978), (508, 24098), (509, 24101), (528, 24170), (537, 24194), (561, 24287), (568, 24308), (583, 24353), (655, 24683), (674, 24752), (705, 24815), (778, 24986),

Gene: Teejan_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Teejan_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: Terrific_35 Start: 23230, Stop: 25437, Start Num: 53

Candidate Starts for Terrific_35:

(Start: 53 @23230 has 32 MA's), (97, 23344), (102, 23359), (109, 23380), (145, 23491), (178, 23581), (181, 23593), (280, 23770), (296, 23809), (331, 23905), (441, 24166), (464, 24256), (470, 24286), (473, 24298), (509, 24496), (548, 24637), (553, 24658), (580, 24748), (582, 24754), (583, 24760), (590, 24799), (594, 24820), (601, 24856), (602, 24859), (617, 24925), (622, 24940), (624, 24943), (627, 24964), (634, 24997), (666, 25141), (692, 25189), (698, 25198), (729, 25252), (757, 25312), (774, 25360), (788, 25414),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 223

Candidate Starts for Texage_31:

(Start: 223 @23374 has 32 MA's), (289, 23518), (298, 23536), (317, 23575), (324, 23596), (341, 23638), (349, 23656), (404, 23815), (411, 23842), (438, 23947), (443, 23968), (464, 24055), (473, 24097), (522, 24337), (548, 24427), (561, 24484), (602, 24649), (615, 24703), (617, 24715), (622,

24730), (652, 24859), (653, 24871), (666, 24931), (670, 24943), (698, 24988), (705, 25006), (774, 25153), (781, 25180), (788, 25210),

Gene: Thanksgivukkah_31 Start: 22961, Stop: 24817, Start Num: 230

Candidate Starts for Thanksgivukkah_31:

(Start: 230 @22961 has 141 MA's), (285, 23087), (296, 23111), (340, 23216), (342, 23222), (359, 23270), (362, 23279), (378, 23321), (392, 23366), (395, 23372), (424, 23477), (427, 23489), (447, 23567), (465, 23636), (509, 23864), (516, 23888), (517, 23891), (522, 23918), (523, 23921), (552, 24026), (559, 24056), (562, 24071), (588, 24161), (597, 24200), (605, 24245), (643, 24413), (670, 24530), (674, 24536), (696, 24581), (723, 24632), (725, 24635), (754, 24698), (757, 24707), (787, 24794),

Gene: Thonko_29 Start: 27164, Stop: 29614, Start Num: 24

Candidate Starts for Thonko_29:

(Start: 24 @27164 has 8 MA's), (42, 27230), (Start: 51 @27257 has 26 MA's), (57, 27278), (154, 27530), (185, 27626), (187, 27635), (212, 27713), (218, 27728), (241, 27785), (252, 27812), (269, 27857), (271, 27863), (285, 27896), (318, 27956), (326, 27977), (335, 28001), (357, 28064), (384, 28151), (398, 28178), (426, 28292), (464, 28439), (467, 28457), (501, 28640), (505, 28652), (522, 28721), (526, 28733), (539, 28778), (584, 28937), (585, 28940), (589, 28970), (624, 29117), (627, 29138), (635, 29183), (644, 29210), (697, 29369), (703, 29387), (735, 29444), (755, 29483), (767, 29525), (774, 29537), (780, 29558), (787, 29588), (788, 29594),

Gene: Tierra_26 Start: 20767, Stop: 23103, Start Num: 23

Candidate Starts for Tierra_26:

(Start: 23 @20767 has 36 MA's), (35, 20815), (38, 20824), (76, 20938), (86, 20956), (141, 21007), (178, 21103), (181, 21112), (205, 21202), (209, 21214), (249, 21313), (253, 21322), (295, 21415), (329, 21496), (341, 21526), (346, 21538), (356, 21565), (359, 21580), (377, 21604), (393, 21664), (408, 21709), (415, 21736), (424, 21775), (429, 21793), (434, 21802), (448, 21871), (449, 21874), (454, 21892), (464, 21934), (468, 21955), (475, 21985), (502, 22135), (508, 22168), (513, 22177), (528, 22240), (546, 22288), (548, 22300), (566, 22369), (575, 22393), (583, 22423), (590, 22462), (632, 22651), (650, 22726), (663, 22780), (696, 22864), (703, 22882), (749, 22969), (757, 22993), (771, 23035), (791, 23095),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 266

Candidate Starts for Tiffany_33:

(Start: 266 @23171 has 65 MA's), (320, 23306), (348, 23372), (362, 23417), (379, 23453), (401, 23525), (409, 23543), (429, 23621), (435, 23642), (449, 23699), (464, 23759), (489, 23897), (508, 23993), (509, 23996), (528, 24065), (537, 24089), (551, 24134), (561, 24182), (583, 24248), (618, 24419), (620, 24425), (632, 24476), (643, 24521), (663, 24599), (674, 24641), (696, 24683), (747, 24785), (749, 24788), (757, 24812),

Gene: Tigress9_27 Start: 20023, Stop: 22350, Start Num: 26

Candidate Starts for Tigress9_27:

(19, 19981), (Start: 23 @20014 has 36 MA's), (26, 20023), (38, 20071), (40, 20074), (86, 20203), (141, 20254), (178, 20350), (181, 20359), (205, 20449), (219, 20488), (249, 20560), (253, 20569), (295, 20662), (329, 20743), (341, 20773), (356, 20812), (359, 20827), (377, 20851), (393, 20911), (408, 20956), (415, 20983), (424, 21022), (429, 21040), (434, 21049), (448, 21118), (449, 21121), (454, 21139), (464, 21181), (468, 21202), (472, 21217), (475, 21232), (489, 21319), (507, 21412), (508, 21415), (528, 21487), (546, 21535), (566, 21616), (575, 21640), (582, 21664), (583, 21670), (590, 21709), (632, 21898), (650, 21973), (663, 22027), (696, 22111), (703, 22129), (749, 22216), (757, 22240), (771, 22282), (791, 22342),

Gene: TinaFeyge_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for TinaFeyge_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (441, 23539), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: TingHuaYa_27 Start: 20178, Stop: 22490, Start Num: 37

Candidate Starts for TingHuaYa_27:

(Start: 37 @20178 has 31 MA's), (97, 20328), (103, 20349), (120, 20406), (143, 20472), (159, 20517), (174, 20559), (178, 20571), (189, 20616), (Start: 222 @20727 has 1 MA's), (231, 20748), (283, 20814), (290, 20829), (334, 20910), (348, 20940), (369, 20979), (380, 20994), (397, 21054), (435, 21138), (452, 21210), (513, 21519), (524, 21573), (525, 21576), (527, 21588), (535, 21615), (539, 21633), (541, 21639), (570, 21771), (627, 22020), (631, 22035), (635, 22065), (644, 22104), (667, 22212), (684, 22242), (703, 22284), (715, 22305), (742, 22347), (753, 22371), (754, 22374), (760, 22398), (761, 22404), (786, 22467), (791, 22482),

Gene: TinyPebbles_33 Start: 23366, Stop: 25117, Start Num: 266

Candidate Starts for TinyPebbles_33:

(Start: 266 @23366 has 65 MA's), (320, 23501), (348, 23567), (362, 23612), (379, 23648), (414, 23759), (420, 23780), (429, 23816), (435, 23837), (464, 23954), (489, 24092), (508, 24188), (509, 24191), (528, 24260), (537, 24284), (551, 24329), (561, 24377), (583, 24443), (618, 24614), (620, 24620), (632, 24671), (643, 24716), (651, 24746), (663, 24794), (674, 24836), (682, 24851), (685, 24854), (696, 24878), (747, 24980), (749, 24983), (757, 25007),

Gene: Tinybot_30 Start: 22937, Stop: 24793, Start Num: 230

Candidate Starts for Tinybot_30:

(Start: 230 @22937 has 141 MA's), (285, 23063), (296, 23087), (359, 23246), (362, 23255), (378, 23297), (392, 23342), (395, 23348), (424, 23453), (427, 23465), (447, 23543), (465, 23612), (495, 23780), (504, 23810), (509, 23840), (517, 23867), (522, 23894), (523, 23897), (552, 24002), (556, 24023), (559, 24032), (588, 24137), (597, 24176), (605, 24221), (641, 24383), (670, 24506), (674, 24512), (754, 24674), (757, 24683),

Gene: TiroTheta9_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for TiroTheta9_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for Todacoro_32:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (519, 24318), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 48

Candidate Starts for Topanga_33:

(Start: 48 @23566 has 25 MA's), (106, 23713), (116, 23749), (170, 23905), (189, 23974), (197, 23995), (203, 24022), (464, 24235), (467, 24253), (502, 24439), (512, 24478), (522, 24517), (539, 24574), (548, 24607), (561, 24664), (580, 24718), (594, 24790), (595, 24793), (622, 24910), (627, 24934), (631, 24949), (632, 24955), (643, 25003), (650, 25030), (663, 25084), (665, 25105), (666, 25108), (675, 25126), (703, 25183), (711, 25198), (739, 25246), (753, 25279), (760, 25309), (788, 25384),

Gene: Torres_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Torres_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: TriFive_21 Start: 19724, Stop: 22237, Start Num: 18

Candidate Starts for TriFive_21:

(Start: 18 @19724 has 19 MA's), (29, 19787), (50, 19859), (82, 19949), (84, 19955), (108, 20027), (150, 20114), (184, 20219), (187, 20231), (194, 20249), (204, 20288), (217, 20318), (233, 20375), (253, 20405), (256, 20411), (276, 20465), (278, 20471), (339, 20618), (340, 20621), (343, 20630), (351, 20648), (370, 20708), (374, 20717), (377, 20729), (390, 20780), (391, 20783), (436, 20948), (449, 21005), (469, 21089), (473, 21107), (475, 21116), (484, 21179), (508, 21299), (518, 21323), (521, 21344), (526, 21359), (531, 21377), (540, 21407), (562, 21497), (585, 21566), (590, 21599), (594, 21620), (602, 21656), (610, 21692), (620, 21737), (626, 21761), (627, 21767), (631, 21782), (634, 21800), (654, 21887), (660, 21911), (669, 21947), (671, 21953), (685, 21977), (722, 22052), (724, 22055), (759, 22142), (761, 22151), (766, 22157),

Gene: TribelTrouble_25 Start: 21122, Stop: 23572, Start Num: 23

Candidate Starts for TribelTrouble_25:

(Start: 23 @21122 has 36 MA's), (32, 21149), (35, 21170), (40, 21182), (55, 21227), (64, 21257), (74, 21287), (135, 21449), (141, 21470), (169, 21548), (183, 21593), (194, 21629), (200, 21647), (Start: 223 @21725 has 32 MA's), (244, 21761), (329, 21959), (336, 21974), (356, 22025), (382, 22082), (415, 22199), (425, 22241), (429, 22256), (434, 22265), (449, 22346), (454, 22364), (464, 22406), (468, 22427), (473, 22448), (475, 22457), (489, 22544), (508, 22640), (526, 22700), (528, 22712), (544, 22754), (566, 22841), (583, 22895), (590, 22934), (593, 22952), (615, 23051), (619, 23069), (632, 23123), (642, 23168), (646, 23180), (651, 23204), (657, 23231), (691, 23327), (696, 23336), (757, 23465), (763, 23492), (771, 23504),

Gene: Trice_23 Start: 20414, Stop: 22900, Start Num: 37

Candidate Starts for Trice_23:

(Start: 37 @20414 has 31 MA's), (Start: 52 @20462 has 2 MA's), (120, 20642), (121, 20645), (143, 20708), (146, 20720), (189, 20852), (201, 20891), (221, 20948), (226, 20972), (231, 20984), (253, 21032), (254, 21035), (271, 21068), (288, 21107), (299, 21140), (304, 21152), (306, 21161), (309, 21167), (332, 21233), (339, 21248), (379, 21359), (387, 21392), (418, 21476), (422, 21491), (442, 21551), (459, 21620), (481, 21740), (497, 21833), (522, 21947), (543, 22025), (545, 22031), (550, 22055), (563, 22118), (564, 22121), (569, 22133), (587, 22199), (588, 22205), (596, 22247), (600, 22268), (602, 22277), (609, 22310), (612, 22328), (627, 22397), (650, 22496), (651, 22502), (654, 22520), (665, 22574), (670, 22589), (686, 22616), (714, 22673),

Gene: Trike_30 Start: 21413, Stop: 23695, Start Num: 48

Candidate Starts for Trike_30:

(Start: 48 @21413 has 25 MA's), (58, 21446), (93, 21530), (116, 21596), (162, 21728), (197, 21842), (200, 21851), (Start: 222 @21935 has 1 MA's), (251, 22010), (280, 22088), (310, 22163), (326, 22208), (426, 22379), (464, 22526), (465, 22535), (467, 22544), (473, 22568), (512, 22769), (522, 22808), (548, 22898), (561, 22955), (576, 22997), (580, 23009), (590, 23060), (597, 23090), (600, 23108), (602, 23120), (631, 23240), (632, 23246), (663, 23378), (665, 23399), (666, 23402), (696, 23459), (708, 23486), (711, 23492), (753, 23573), (754, 23576), (788, 23678), (789, 23681),

Gene: Tristan_33 Start: 24889, Stop: 26664, Start Num: 48

Candidate Starts for Tristan_33:

(36, 24850), (Start: 48 @24889 has 25 MA's), (97, 25000), (100, 25009), (122, 25066), (132, 25093), (162, 25186), (265, 25279), (270, 25300), (280, 25309), (292, 25330), (295, 25342), (458, 25465), (464, 25498), (467, 25516), (473, 25540), (493, 25654), (512, 25741), (522, 25780), (526, 25792), (539, 25837), (590, 26032), (594, 26053), (631, 26212), (632, 26218), (663, 26347), (703, 26446), (711, 26461), (753, 26542), (774, 26602), (788, 26647),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 52

Candidate Starts for Trixie_34:

(Start: 52 @24439 has 2 MA's), (97, 24556), (100, 24565), (145, 24697), (441, 24964), (464, 25054), (467, 25072), (473, 25096), (522, 25336), (548, 25426), (561, 25483), (593, 25606), (620, 25723), (631, 25768), (663, 25903), (665, 25924), (675, 25945), (711, 26017), (753, 26098), (760, 26128), (774, 26158),

Gene: Trooper_31 Start: 22613, Stop: 24916, Start Num: 54

Candidate Starts for Trooper_31:

(Start: 54 @22613 has 29 MA's), (60, 22634), (97, 22724), (119, 22790), (178, 22961), (220, 23105), (235, 23141), (245, 23171), (280, 23261), (306, 23327), (331, 23396), (441, 23657), (464, 23744), (467, 23762), (473, 23786), (478, 23816), (512, 23987), (526, 24038), (548, 24116), (561, 24173), (590, 24278), (594, 24299), (598, 24311), (617, 24404), (622, 24419), (627, 24443), (635, 24488), (643, 24509), (644, 24512), (659, 24575), (666, 24617), (682, 24650), (697, 24671), (735, 24743), (757, 24791), (774, 24839), (788, 24893),

Gene: TroyPia_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for TroyPia_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 51

Candidate Starts for Tubs_33:

(Start: 51 @24377 has 26 MA's), (55, 24389), (119, 24563), (151, 24653), (171, 24698), (175, 24707), (280, 24785), (293, 24809), (305, 24845), (464, 24974), (467, 24992), (512, 25217), (519, 25238), (522, 25256), (548, 25346), (561, 25403), (593, 25526), (622, 25649), (631, 25688), (643, 25745), (663, 25826), (665, 25847), (666, 25850), (711, 25940), (760, 26051), (788, 26126),

Gene: Turbido_33 Start: 23266, Stop: 25470, Start Num: 53

Candidate Starts for Turbido_33:

(Start: 53 @23266 has 32 MA's), (97, 23380), (100, 23389), (111, 23422), (132, 23479), (178, 23617), (280, 23806), (331, 23941), (349, 23983), (372, 24055), (464, 24295), (467, 24313), (473, 24337), (491, 24445), (512, 24538), (522, 24577), (548, 24667), (561, 24724), (562, 24727), (582, 24784), (583, 24790), (590, 24829), (594, 24850), (635, 25039), (644, 25066), (693, 25219), (703, 25243), (734, 25297), (736, 25300), (755, 25339), (757, 25345), (774, 25393),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 48

Candidate Starts for Twister_33:

(Start: 48 @23481 has 25 MA's), (58, 23514), (116, 23664), (189, 23889), (197, 23910), (203, 23937), (458, 24117), (464, 24150), (467, 24168), (473, 24192), (491, 24300), (522, 24432), (539, 24489), (548, 24522), (561, 24579), (580, 24633), (584, 24648), (593, 24702), (617, 24810), (622, 24825), (627, 24849), (631, 24864), (648, 24936), (658, 24981), (663, 24999), (665, 25020), (666, 25023), (703, 25098), (711, 25113), (753, 25194), (760, 25224), (774, 25254), (788, 25299), (789, 25302),

Gene: TygerBlood_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for TygerBlood_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Typha_27 Start: 23429, Stop: 26023, Start Num: 17

Candidate Starts for Typha_27:

(Start: 17 @23429 has 5 MA's), (20, 23468), (41, 23543), (74, 23645), (77, 23654), (107, 23732), (137, 23813), (140, 23822), (155, 23867), (156, 23870), (160, 23879), (164, 23891), (165, 23894), (174, 23918), (182, 23945), (183, 23954), (202, 24017), (Start: 222 @24083 has 1 MA's), (237, 24119), (238, 24122), (271, 24194), (275, 24200), (299, 24269), (327, 24353), (358, 24434), (364, 24455), (421, 24629), (429, 24656), (442, 24707), (452, 24752), (464, 24803), (465, 24812), (480, 24890), (502, 25013), (503, 25016), (504, 25019), (528, 25130), (546, 25193), (558, 25241), (584, 25328), (588, 25355), (590, 25364), (592, 25370), (602, 25421), (627, 25538), (628, 25541), (647, 25625), (654, 25661), (663, 25691), (666, 25715), (691, 25766), (694, 25772), (698, 25778), (752, 25880), (761, 25916), (788, 26006), (791, 26015),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 51

Candidate Starts for Ugenie5_30:

(Start: 51 @24410 has 26 MA's), (55, 24422), (119, 24596), (151, 24686), (171, 24731), (175, 24740), (280, 24818), (293, 24842), (305, 24878), (464, 25007), (467, 25025), (512, 25250), (519, 25271), (522, 25289), (548, 25379), (561, 25436), (593, 25559), (622, 25682), (631, 25721), (643, 25778), (663, 25859), (665, 25880), (666, 25883), (711, 25973), (760, 26084), (788, 26159),

Gene: Ulysses_30 Start: 22678, Stop: 24534, Start Num: 230

Candidate Starts for Ulysses_30:

(Start: 230 @22678 has 141 MA's), (285, 22804), (296, 22828), (340, 22933), (342, 22939), (359, 22987), (362, 22996), (378, 23038), (392, 23083), (395, 23089), (424, 23194), (427, 23206), (444, 23269), (447, 23284), (465, 23353), (495, 23521), (509, 23581), (517, 23608), (522, 23635), (523, 23638), (552, 23743), (556, 23764), (559, 23773), (588, 23878), (605, 23962), (627, 24061), (670, 24247), (674, 24253), (696, 24298), (723, 24349), (725, 24352), (754, 24415), (757, 24424), (787, 24511),

Gene: Unicorn_26 Start: 20093, Stop: 22432, Start Num: 23

Candidate Starts for Unicorn_26:

(Start: 23 @20093 has 36 MA's), (38, 20150), (76, 20264), (86, 20282), (141, 20333), (149, 20354), (178, 20432), (205, 20531), (209, 20543), (249, 20642), (253, 20651), (295, 20744), (329, 20825), (341, 20855), (346, 20867), (350, 20876), (356, 20894), (359, 20909), (377, 20933), (393, 20993), (408, 21038), (415, 21065), (429, 21122), (434, 21131), (448, 21200), (449, 21203), (454, 21221), (464, 21263), (468, 21284), (475, 21314), (489, 21401), (502, 21464), (508, 21497), (528, 21569),

(546, 21617), (548, 21629), (566, 21698), (575, 21722), (590, 21791), (632, 21980), (650, 22055), (654, 22079), (691, 22184), (696, 22193), (703, 22211), (749, 22298), (757, 22322), (771, 22364), (791, 22424),

Gene: Updawg_33 Start: 23218, Stop: 25425, Start Num: 53

Candidate Starts for Updawg_33:

(Start: 53 @23218 has 32 MA's), (97, 23332), (100, 23341), (102, 23347), (109, 23368), (145, 23479), (178, 23569), (181, 23581), (280, 23758), (296, 23797), (331, 23893), (441, 24154), (464, 24244), (470, 24274), (473, 24286), (509, 24484), (548, 24625), (553, 24646), (580, 24736), (582, 24742), (583, 24748), (590, 24787), (594, 24808), (601, 24844), (602, 24847), (617, 24913), (622, 24928), (624, 24931), (627, 24952), (634, 24985), (666, 25129), (692, 25177), (729, 25240), (757, 25300), (774, 25348), (788, 25402),

Gene: Validus_27 Start: 20168, Stop: 22669, Start Num: 37

Candidate Starts for Validus_27:

(Start: 37 @20168 has 31 MA's), (71, 20267), (80, 20285), (103, 20339), (118, 20390), (124, 20408), (146, 20474), (166, 20528), (189, 20606), (201, 20645), (221, 20702), (231, 20738), (254, 20789), (277, 20834), (298, 20888), (299, 20891), (306, 20912), (309, 20918), (322, 20957), (379, 21110), (389, 21155), (418, 21227), (437, 21281), (442, 21302), (444, 21314), (465, 21407), (469, 21422), (480, 21485), (497, 21581), (543, 21773), (545, 21779), (550, 21803), (563, 21866), (588, 21953), (602, 22025), (609, 22058), (612, 22076), (620, 22115), (667, 22331), (728, 22442), (753, 22499), (758, 22517), (768, 22547),

Gene: Vanisoa_30 Start: 22263, Stop: 24611, Start Num: 24

Candidate Starts for Vanisoa_30:

(Start: 21 @22257 has 5 MA's), (Start: 24 @22263 has 8 MA's), (Start: 52 @22362 has 2 MA's), (61, 22395), (117, 22530), (163, 22620), (197, 22722), (203, 22749), (217, 22785), (244, 22854), (245, 22860), (328, 23070), (346, 23112), (380, 23202), (386, 23229), (436, 23343), (446, 23376), (468, 23457), (475, 23487), (477, 23493), (494, 23595), (508, 23673), (526, 23733), (540, 23781), (546, 23793), (586, 23946), (590, 23973), (593, 23991), (602, 24030), (608, 24060), (627, 24141), (628, 24144), (660, 24285), (685, 24351), (705, 24396), (716, 24417), (722, 24426), (766, 24531), (784, 24576), (787, 24588),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 223

Candidate Starts for Veracruz_31:

(Start: 223 @23373 has 32 MA's), (289, 23517), (298, 23535), (317, 23574), (324, 23595), (341, 23637), (349, 23655), (404, 23814), (411, 23841), (438, 23946), (443, 23967), (464, 24054), (473, 24096), (519, 24318), (522, 24336), (548, 24426), (561, 24483), (602, 24648), (615, 24702), (617, 24714), (622, 24729), (652, 24858), (653, 24870), (666, 24930), (670, 24942), (698, 24987), (705, 25005), (774, 25152), (781, 25179), (788, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 266

Candidate Starts for Vix_33:

(Start: 266 @23359 has 65 MA's), (320, 23494), (348, 23560), (362, 23605), (379, 23641), (420, 23773), (429, 23809), (435, 23830), (449, 23887), (464, 23947), (476, 24001), (484, 24061), (508, 24181), (509, 24184), (528, 24253), (537, 24277), (561, 24370), (568, 24391), (583, 24436), (655, 24766), (674, 24835), (705, 24898), (778, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 48

Candidate Starts for WalterMcMickey_33:

(Start: 48 @23481 has 25 MA's), (58, 23514), (116, 23664), (189, 23889), (197, 23910), (203, 23937), (458, 24117), (464, 24150), (467, 24168), (473, 24192), (491, 24300), (522, 24432), (539, 24489), (548, 24522), (561, 24579), (580, 24633), (584, 24648), (593, 24702), (617, 24810), (622, 24825),

(627, 24849), (631, 24864), (648, 24936), (658, 24981), (663, 24999), (665, 25020), (666, 25023), (703, 25098), (711, 25113), (753, 25194), (760, 25224), (774, 25254), (788, 25299), (789, 25302),

Gene: Wander_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Wander_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (556, 24046), (559, 24055), (588, 24160), (597, 24199), (605, 24244), (641, 24406), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 266

Candidate Starts for Watson_33:

(Start: 266 @23269 has 65 MA's), (320, 23404), (348, 23470), (362, 23515), (379, 23551), (420, 23683), (429, 23719), (435, 23740), (449, 23797), (464, 23857), (476, 23911), (484, 23971), (508, 24091), (509, 24094), (528, 24163), (537, 24187), (561, 24280), (568, 24301), (583, 24346), (655, 24676), (674, 24745), (705, 24808), (778, 24979),

Gene: WeiHuaDA_37 Start: 25110, Stop: 26891, Start Num: 52

Candidate Starts for WeiHuaDA_37:

(Start: 52 @25110 has 2 MA's), (97, 25227), (100, 25236), (145, 25368), (270, 25527), (441, 25635), (443, 25638), (464, 25725), (467, 25743), (473, 25767), (512, 25968), (522, 26007), (548, 26097), (561, 26154), (580, 26208), (593, 26277), (620, 26394), (631, 26439), (663, 26574), (665, 26595), (675, 26616), (708, 26682), (753, 26769), (760, 26799), (774, 26829), (788, 26874),

Gene: Whabigail7_33 Start: 23254, Stop: 25458, Start Num: 53

Candidate Starts for Whabigail7_33:

(Start: 53 @23254 has 32 MA's), (97, 23368), (100, 23377), (111, 23410), (132, 23467), (178, 23605), (280, 23794), (331, 23929), (349, 23971), (372, 24043), (464, 24283), (467, 24301), (473, 24325), (491, 24433), (512, 24526), (522, 24565), (548, 24655), (561, 24712), (562, 24715), (582, 24772), (583, 24778), (590, 24817), (594, 24838), (635, 25027), (644, 25054), (693, 25207), (703, 25231), (734, 25285), (736, 25288), (755, 25327), (757, 25333), (774, 25381),

Gene: Whirlwind_22 Start: 19481, Stop: 21994, Start Num: 18

Candidate Starts for Whirlwind_22:

(Start: 18 @19481 has 19 MA's), (29, 19544), (50, 19616), (117, 19814), (181, 19958), (184, 19976), (187, 19988), (194, 20006), (204, 20045), (210, 20060), (217, 20075), (233, 20132), (253, 20162), (256, 20168), (276, 20222), (278, 20228), (300, 20285), (339, 20375), (340, 20378), (343, 20387), (351, 20405), (370, 20465), (390, 20537), (391, 20540), (430, 20684), (436, 20705), (449, 20762), (469, 20846), (473, 20864), (475, 20873), (508, 21056), (521, 21101), (526, 21116), (531, 21134), (540, 21164), (557, 21224), (562, 21254), (585, 21323), (590, 21356), (594, 21377), (602, 21413), (608, 21443), (626, 21518), (627, 21524), (631, 21539), (634, 21557), (642, 21590), (653, 21641), (654, 21644), (661, 21671), (669, 21704), (685, 21734), (722, 21809), (739, 21845), (761, 21908), (766, 21914), (791, 21986),

Gene: WideWale_33 Start: 23218, Stop: 25425, Start Num: 53

Candidate Starts for WideWale_33:

(Start: 53 @23218 has 32 MA's), (97, 23332), (100, 23341), (102, 23347), (109, 23368), (145, 23479), (178, 23569), (181, 23581), (280, 23758), (296, 23797), (331, 23893), (441, 24154), (464, 24244), (470, 24274), (473, 24286), (509, 24484), (548, 24625), (553, 24646), (580, 24736), (582, 24742), (583, 24748), (590, 24787), (594, 24808), (601, 24844), (602, 24847), (617, 24913), (622, 24928), (624, 24931), (627, 24952), (634, 24985), (666, 25129), (692, 25177), (729, 25240), (757, 25300),

(774, 25348), (788, 25402),

Gene: Wilbur_31 Start: 22960, Stop: 24816, Start Num: 230

Candidate Starts for Wilbur_31:

(Start: 230 @22960 has 141 MA's), (285, 23086), (296, 23110), (340, 23215), (342, 23221), (359, 23269), (362, 23278), (378, 23320), (392, 23365), (395, 23371), (424, 23476), (427, 23488), (447, 23566), (465, 23635), (509, 23863), (516, 23887), (517, 23890), (522, 23917), (523, 23920), (552, 24025), (559, 24055), (562, 24070), (588, 24160), (597, 24199), (605, 24244), (643, 24412), (670, 24529), (674, 24535), (696, 24580), (723, 24631), (725, 24634), (754, 24697), (757, 24706), (787, 24793),

Gene: Wile_31 Start: 22982, Stop: 24841, Start Num: 230

Candidate Starts for Wile_31:

(208, 22922), (215, 22937), (Start: 230 @22982 has 141 MA's), (260, 23048), (279, 23093), (282, 23099), (296, 23132), (304, 23150), (319, 23195), (321, 23201), (325, 23207), (362, 23300), (368, 23315), (392, 23387), (413, 23447), (424, 23498), (427, 23510), (447, 23588), (465, 23657), (487, 23780), (492, 23804), (509, 23885), (520, 23930), (522, 23939), (523, 23942), (556, 24071), (559, 24080), (574, 24122), (582, 24149), (588, 24185), (593, 24212), (597, 24224), (630, 24380), (670, 24554), (674, 24560), (696, 24605), (723, 24656), (725, 24659), (741, 24695), (757, 24731),

Gene: Willsammy_21 Start: 18930, Stop: 21569, Start Num: 8

Candidate Starts for Willsammy_21:

(Start: 8 @18930 has 17 MA's), (9, 18939), (31, 19083), (137, 19356), (140, 19365), (141, 19368), (148, 19389), (153, 19401), (155, 19410), (164, 19434), (182, 19488), (202, 19566), (214, 19596), (Start: 222 @19632 has 1 MA's), (231, 19653), (237, 19668), (254, 19710), (271, 19743), (299, 19818), (306, 19842), (309, 19848), (314, 19860), (327, 19902), (330, 19908), (362, 19995), (405, 20127), (413, 20145), (421, 20178), (429, 20205), (442, 20256), (483, 20466), (496, 20532), (504, 20568), (526, 20667), (528, 20679), (546, 20742), (588, 20904), (592, 20919), (602, 20970), (627, 21087), (635, 21132), (647, 21174), (654, 21210), (666, 21264), (691, 21312), (760, 21456), (779, 21513), (788, 21552), (791, 21561),

Gene: Wintermute_28 Start: 22272, Stop: 24581, Start Num: 37

Candidate Starts for Wintermute_28:

(Start: 37 @22272 has 31 MA's), (66, 22362), (73, 22383), (85, 22407), (127, 22524), (170, 22653), (186, 22713), (210, 22785), (214, 22794), (229, 22845), (231, 22851), (234, 22860), (259, 22911), (286, 22923), (301, 22938), (304, 22944), (316, 22977), (338, 23025), (369, 23079), (399, 23151), (413, 23190), (417, 23202), (429, 23217), (442, 23262), (459, 23331), (476, 23412), (502, 23565), (513, 23607), (543, 23736), (550, 23781), (564, 23847), (570, 23862), (594, 23958), (627, 24111), (631, 24126), (632, 24132), (635, 24156), (636, 24162), (637, 24168), (638, 24171), (644, 24195), (647, 24207), (667, 24303), (694, 24354), (696, 24357), (735, 24426), (753, 24462), (761, 24495), (783, 24549), (786, 24558), (791, 24573),

Gene: Wizard007_31 Start: 22962, Stop: 24818, Start Num: 230

Candidate Starts for Wizard007_31:

(Start: 230 @22962 has 141 MA's), (285, 23088), (296, 23112), (340, 23217), (342, 23223), (359, 23271), (362, 23280), (378, 23322), (392, 23367), (395, 23373), (424, 23478), (427, 23490), (447, 23568), (465, 23637), (509, 23865), (516, 23889), (517, 23892), (522, 23919), (523, 23922), (552, 24027), (559, 24057), (562, 24072), (588, 24162), (597, 24201), (605, 24246), (643, 24414), (670, 24531), (674, 24537), (696, 24582), (723, 24633), (725, 24636), (754, 24699), (757, 24708), (787, 24795),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 266

Candidate Starts for Wooldri_35:

(Start: 266 @23188 has 65 MA's), (320, 23323), (348, 23389), (362, 23434), (379, 23470), (420, 23602), (429, 23638), (435, 23659), (449, 23716), (464, 23776), (476, 23830), (484, 23890), (508, 24010), (509, 24013), (528, 24082), (537, 24106), (561, 24199), (568, 24220), (583, 24265), (655, 24595), (674, 24664), (705, 24727), (778, 24898),

Gene: Xena_31 Start: 22969, Stop: 24828, Start Num: 230

Candidate Starts for Xena_31:

(208, 22909), (Start: 230 @22969 has 141 MA's), (260, 23035), (279, 23080), (282, 23086), (296, 23119), (304, 23137), (319, 23182), (321, 23188), (325, 23194), (362, 23287), (368, 23302), (392, 23374), (413, 23434), (424, 23485), (427, 23497), (447, 23575), (465, 23644), (487, 23767), (492, 23791), (509, 23872), (520, 23917), (522, 23926), (523, 23929), (556, 24058), (559, 24067), (574, 24109), (582, 24136), (588, 24172), (593, 24199), (597, 24211), (630, 24367), (670, 24541), (674, 24547), (696, 24592), (723, 24643), (725, 24646), (741, 24682), (757, 24718),

Gene: Xeno_20 Start: 17553, Stop: 20198, Start Num: 8

Candidate Starts for Xeno_20:

(6, 17541), (Start: 8 @17553 has 17 MA's), (10, 17565), (11, 17577), (15, 17631), (30, 17700), (31, 17703), (Start: 33 @17712 has 1 MA's), (36, 17727), (103, 17904), (137, 17985), (140, 17994), (160, 18051), (165, 18066), (203, 18198), (221, 18246), (Start: 222 @18261 has 1 MA's), (231, 18282), (247, 18324), (254, 18339), (258, 18348), (271, 18375), (275, 18381), (299, 18450), (306, 18471), (309, 18477), (313, 18486), (320, 18513), (362, 18624), (370, 18645), (379, 18669), (400, 18735), (405, 18756), (413, 18774), (421, 18807), (428, 18831), (429, 18834), (442, 18885), (465, 18990), (475, 19032), (504, 19197), (525, 19293), (546, 19371), (549, 19383), (575, 19473), (588, 19533), (590, 19542), (600, 19590), (602, 19599), (627, 19716), (635, 19761), (647, 19803), (663, 19869), (666, 19893), (691, 19941), (694, 19947), (698, 19953), (751, 20052), (754, 20061), (761, 20091), (788, 20181), (791, 20190),

Gene: Ximenita_27 Start: 20205, Stop: 22535, Start Num: 23

Candidate Starts for Ximenita_27:

(Start: 23 @20205 has 36 MA's), (40, 20265), (86, 20394), (97, 20406), (141, 20445), (178, 20541), (181, 20550), (205, 20640), (219, 20679), (232, 20727), (249, 20751), (253, 20760), (295, 20853), (300, 20868), (329, 20934), (341, 20964), (346, 20976), (356, 21003), (359, 21018), (377, 21042), (393, 21102), (408, 21147), (415, 21174), (424, 21213), (429, 21231), (434, 21240), (448, 21309), (449, 21312), (454, 21330), (464, 21372), (468, 21393), (473, 21414), (475, 21423), (480, 21459), (489, 21510), (528, 21675), (555, 21765), (566, 21804), (568, 21813), (583, 21858), (587, 21882), (590, 21897), (593, 21915), (600, 21945), (632, 22086), (642, 22131), (650, 22161), (654, 22185), (657, 22194), (663, 22215), (668, 22245), (757, 22428), (765, 22455), (771, 22467), (791, 22527),

Gene: Y10_28 Start: 22272, Stop: 24581, Start Num: 37

Candidate Starts for Y10_28:

(Start: 37 @22272 has 31 MA's), (66, 22362), (73, 22383), (85, 22407), (127, 22524), (170, 22653), (186, 22713), (210, 22785), (214, 22794), (229, 22845), (231, 22851), (234, 22860), (259, 22911), (286, 22923), (301, 22938), (304, 22944), (316, 22977), (338, 23025), (369, 23079), (399, 23151), (413, 23190), (417, 23202), (429, 23217), (442, 23262), (459, 23331), (476, 23412), (502, 23565), (513, 23607), (543, 23736), (550, 23781), (564, 23847), (570, 23862), (594, 23958), (627, 24111), (631, 24126), (632, 24132), (635, 24156), (636, 24162), (637, 24168), (638, 24171), (644, 24195), (647, 24207), (667, 24303), (694, 24354), (696, 24357), (735, 24426), (753, 24462), (761, 24495), (783, 24549), (786, 24558), (791, 24573),

Gene: Y2_28 Start: 22272, Stop: 24581, Start Num: 37

Candidate Starts for Y2_28:

(Start: 37 @22272 has 31 MA's), (66, 22362), (73, 22383), (85, 22407), (127, 22524), (170, 22653), (186, 22713), (210, 22785), (214, 22794), (229, 22845), (231, 22851), (234, 22860), (259, 22911),

(286, 22923), (301, 22938), (304, 22944), (316, 22977), (338, 23025), (369, 23079), (399, 23151), (413, 23190), (417, 23202), (429, 23217), (442, 23262), (459, 23331), (476, 23412), (502, 23565), (513, 23607), (543, 23736), (550, 23781), (564, 23847), (570, 23862), (594, 23958), (627, 24111), (631, 24126), (632, 24132), (635, 24156), (636, 24162), (637, 24168), (638, 24171), (644, 24195), (647, 24207), (667, 24303), (694, 24354), (696, 24357), (735, 24426), (753, 24462), (761, 24495), (783, 24549), (786, 24558), (791, 24573),

Gene: YasnayaPolyana_28 Start: 22273, Stop: 24582, Start Num: 37

Candidate Starts for YasnayaPolyana_28:

(Start: 37 @22273 has 31 MA's), (66, 22363), (73, 22384), (85, 22408), (127, 22525), (170, 22654), (186, 22714), (210, 22786), (214, 22795), (229, 22846), (231, 22852), (234, 22861), (259, 22912), (286, 22924), (301, 22939), (304, 22945), (316, 22978), (338, 23026), (369, 23080), (399, 23152), (413, 23191), (417, 23203), (429, 23218), (442, 23263), (459, 23332), (476, 23413), (502, 23566), (513, 23608), (543, 23737), (550, 23782), (564, 23848), (570, 23863), (594, 23959), (627, 24112), (631, 24127), (632, 24133), (635, 24157), (636, 24163), (637, 24169), (638, 24172), (644, 24196), (647, 24208), (667, 24304), (694, 24355), (696, 24358), (735, 24427), (753, 24463), (761, 24496), (783, 24550), (786, 24559), (791, 24574),

Gene: YoSam321_31 Start: 22957, Stop: 24813, Start Num: 230

Candidate Starts for YoSam321_31:

(Start: 230 @22957 has 141 MA's), (285, 23083), (296, 23107), (340, 23212), (342, 23218), (359, 23266), (362, 23275), (378, 23317), (392, 23362), (395, 23368), (424, 23473), (427, 23485), (447, 23563), (465, 23632), (509, 23860), (516, 23884), (517, 23887), (522, 23914), (523, 23917), (552, 24022), (559, 24052), (562, 24067), (588, 24157), (597, 24196), (605, 24241), (643, 24409), (670, 24526), (674, 24532), (696, 24577), (723, 24628), (725, 24631), (754, 24694), (757, 24703), (787, 24790),

Gene: Yuna_28 Start: 20819, Stop: 23209, Start Num: 68

Candidate Starts for Yuna_28:

(Start: 68 @20819 has 11 MA's), (88, 20867), (103, 20906), (105, 20918), (152, 21059), (172, 21113), (177, 21125), (190, 21179), (198, 21200), (213, 21251), (216, 21257), (245, 21347), (248, 21353), (284, 21440), (302, 21482), (303, 21485), (319, 21533), (323, 21542), (335, 21569), (339, 21578), (351, 21608), (368, 21665), (400, 21761), (403, 21773), (429, 21878), (447, 21947), (460, 21986), (465, 22016), (487, 22139), (491, 22160), (509, 22244), (521, 22295), (522, 22298), (523, 22301), (533, 22340), (548, 22394), (562, 22451), (592, 22553), (593, 22565), (617, 22682), (619, 22688), (629, 22730), (653, 22838), (667, 22901), (753, 23054), (754, 23057), (789, 23183),

Gene: Zarafa_31 Start: 22901, Stop: 24760, Start Num: 223

Candidate Starts for Zarafa_31:

(Start: 223 @22901 has 32 MA's), (282, 23027), (285, 23036), (317, 23102), (324, 23123), (341, 23165), (396, 23321), (411, 23369), (427, 23438), (429, 23444), (438, 23474), (464, 23582), (467, 23600), (473, 23624), (522, 23864), (548, 23954), (582, 24071), (602, 24176), (617, 24242), (622, 24257), (660, 24428), (705, 24533), (735, 24587), (755, 24626), (774, 24680), (781, 24707), (787, 24731),

Gene: Zenteno07_34 Start: 28705, Stop: 31170, Start Num: 24

Candidate Starts for Zenteno07_34:

(Start: 24 @28705 has 8 MA's), (Start: 51 @28801 has 26 MA's), (56, 28819), (67, 28852), (78, 28879), (185, 29170), (212, 29257), (252, 29356), (271, 29410), (285, 29443), (298, 29473), (317, 29503), (318, 29509), (335, 29554), (341, 29569), (352, 29596), (357, 29617), (368, 29650), (374, 29662), (412, 29779), (419, 29809), (426, 29845), (438, 29884), (464, 29992), (467, 30010), (496, 30169), (505, 30205), (522, 30274), (526, 30286), (546, 30352), (561, 30421), (566, 30433), (583, 30487), (585, 30493), (586, 30499), (589, 30523), (593, 30544), (627, 30691), (635, 30736), (644, 30763),

(703, 30940), (728, 30979), (732, 30994), (735, 30997), (761, 31066), (774, 31090), (780, 31111),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 266

Candidate Starts for Zetzy_32:

(Start: 266 @22817 has 65 MA's), (320, 22952), (348, 23018), (362, 23063), (414, 23210), (429, 23267), (435, 23288), (464, 23405), (476, 23459), (484, 23519), (504, 23612), (508, 23639), (509, 23642), (528, 23711), (537, 23735), (551, 23780), (566, 23840), (568, 23849), (583, 23894), (590, 23933), (602, 23990), (655, 24224), (674, 24293), (705, 24356), (757, 24464),

Gene: ZoeJ_23 Start: 18602, Stop: 20941, Start Num: 23

Candidate Starts for ZoeJ_23:

(Start: 23 @18602 has 36 MA's), (178, 18953), (181, 18962), (192, 19007), (249, 19151), (259, 19175), (329, 19334), (339, 19358), (341, 19364), (346, 19376), (356, 19403), (393, 19502), (415, 19574), (425, 19616), (426, 19622), (429, 19631), (448, 19712), (454, 19733), (464, 19775), (475, 19826), (489, 19913), (491, 19922), (509, 20012), (526, 20066), (528, 20078), (548, 20138), (562, 20198), (568, 20216), (590, 20300), (600, 20348), (615, 20417), (618, 20432), (632, 20489), (635, 20513), (643, 20537), (646, 20546), (654, 20588), (657, 20597), (689, 20684), (696, 20702), (749, 20807), (757, 20831),