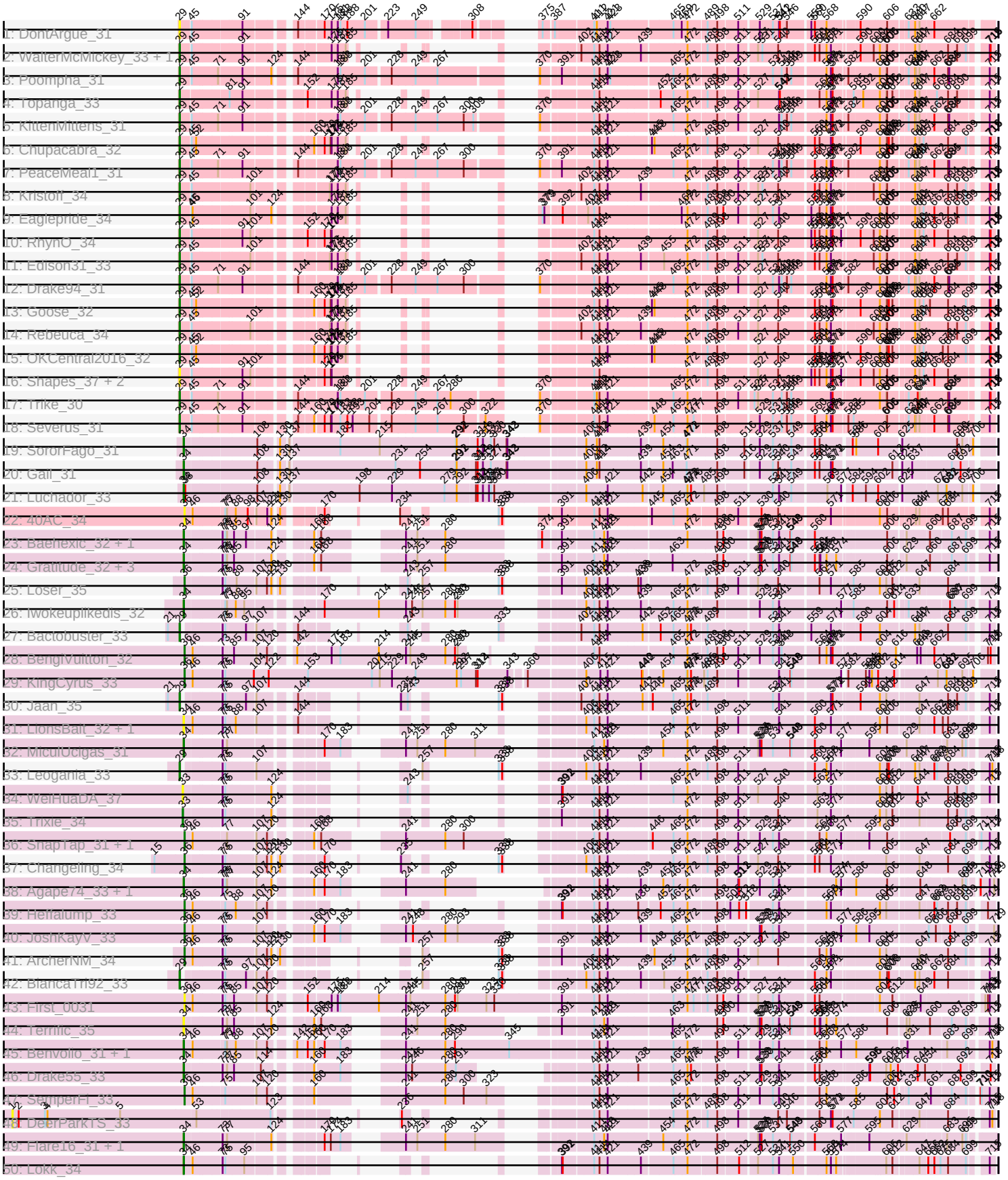
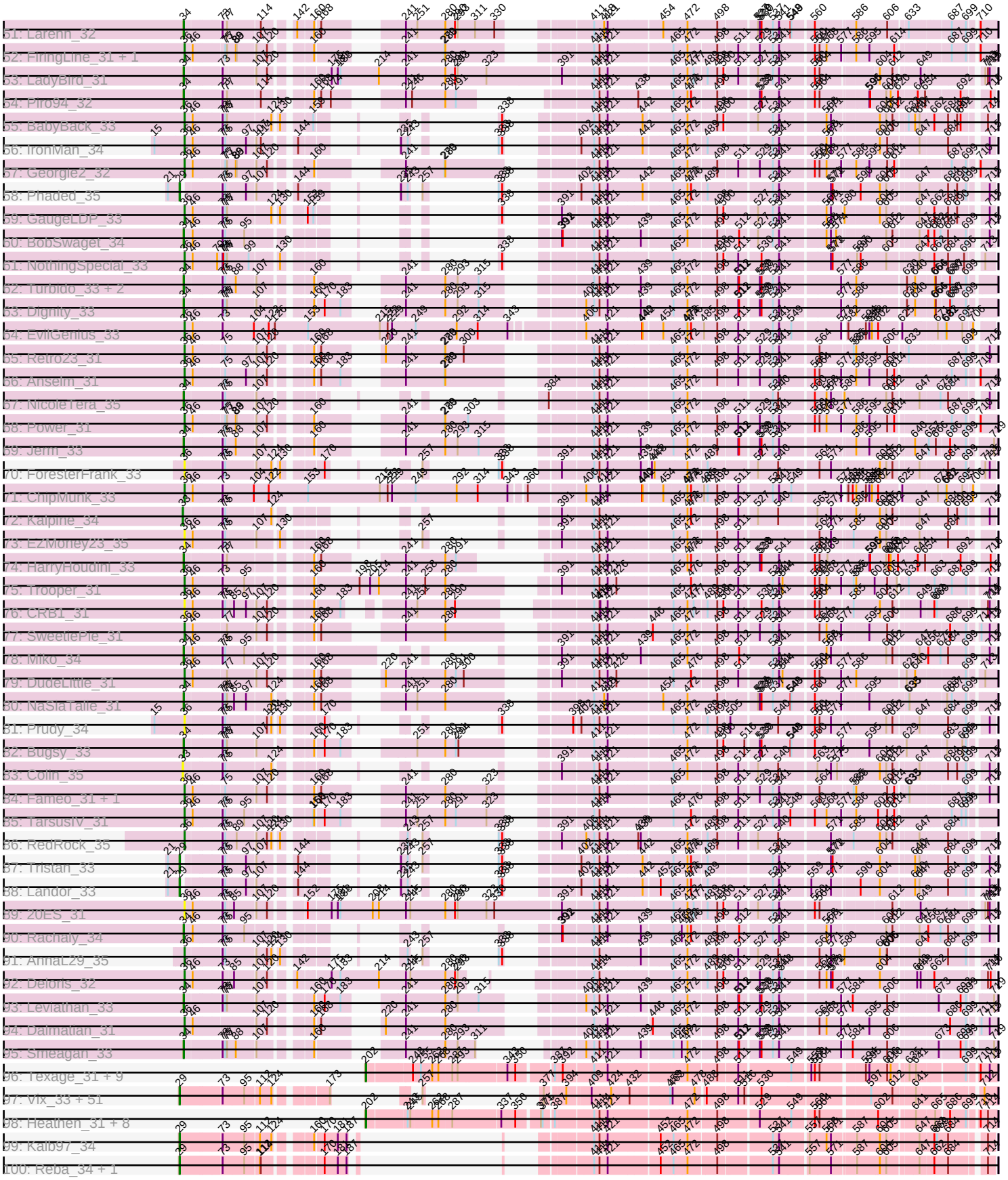
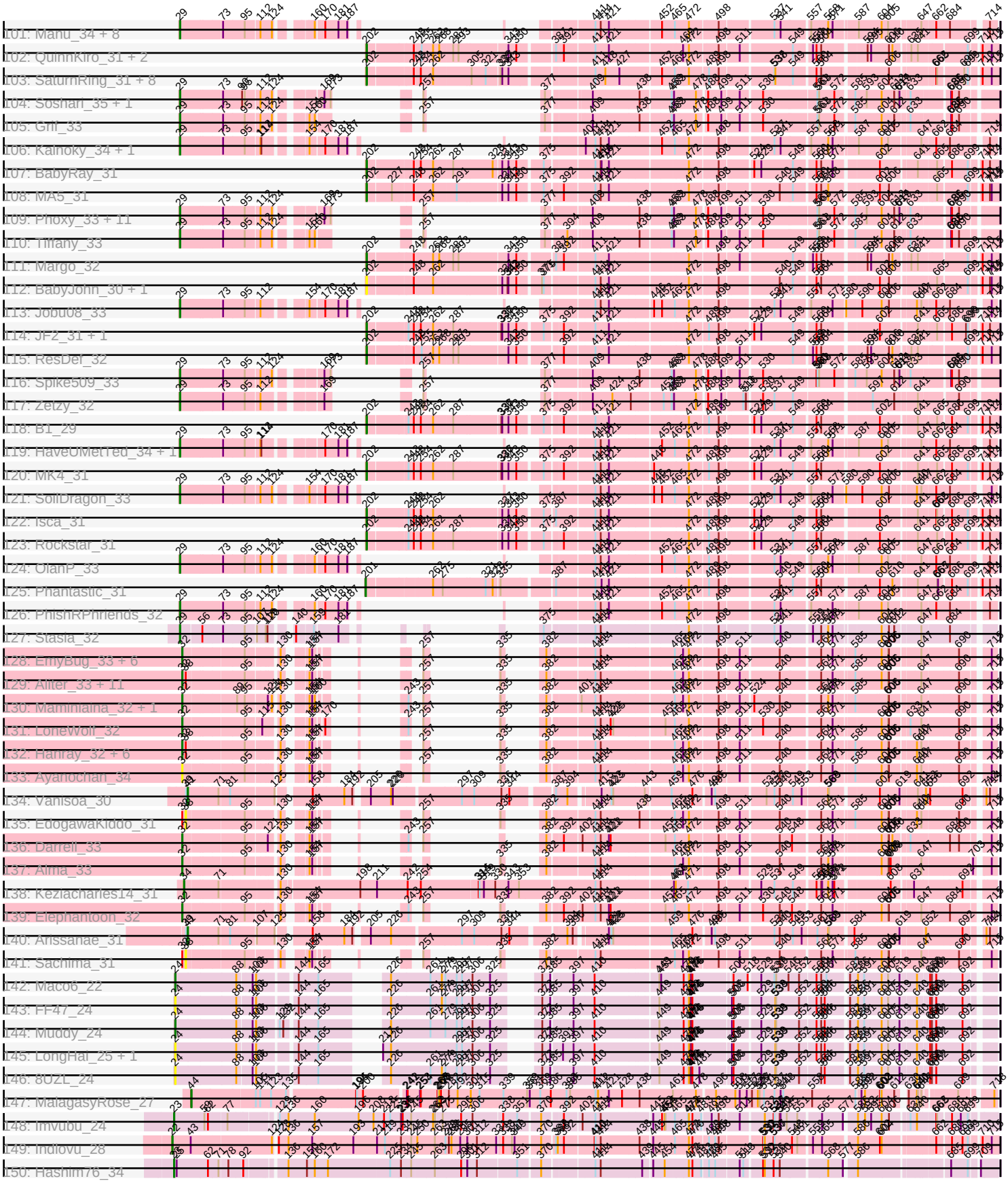
Pham 283376



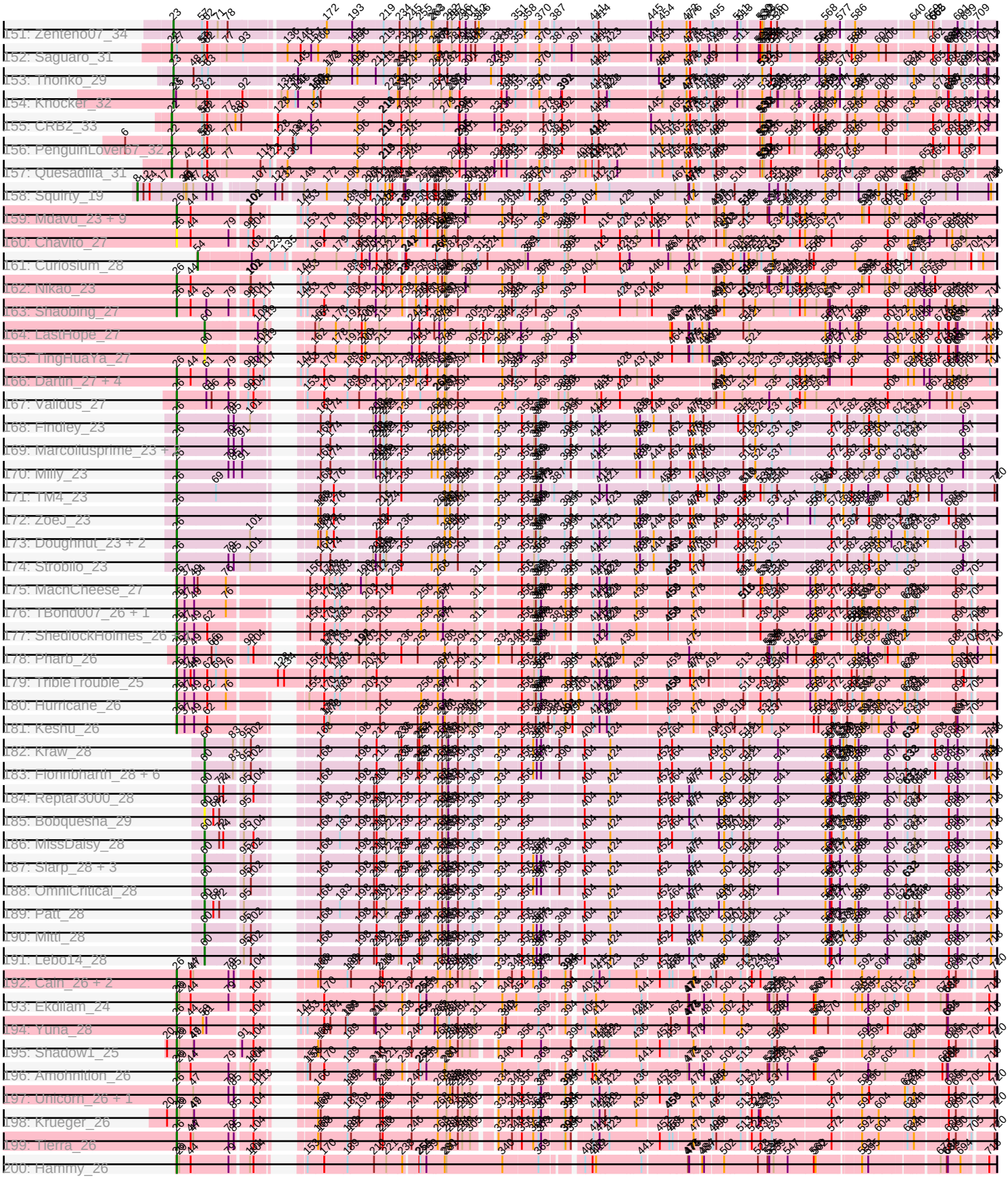
Pham 283376



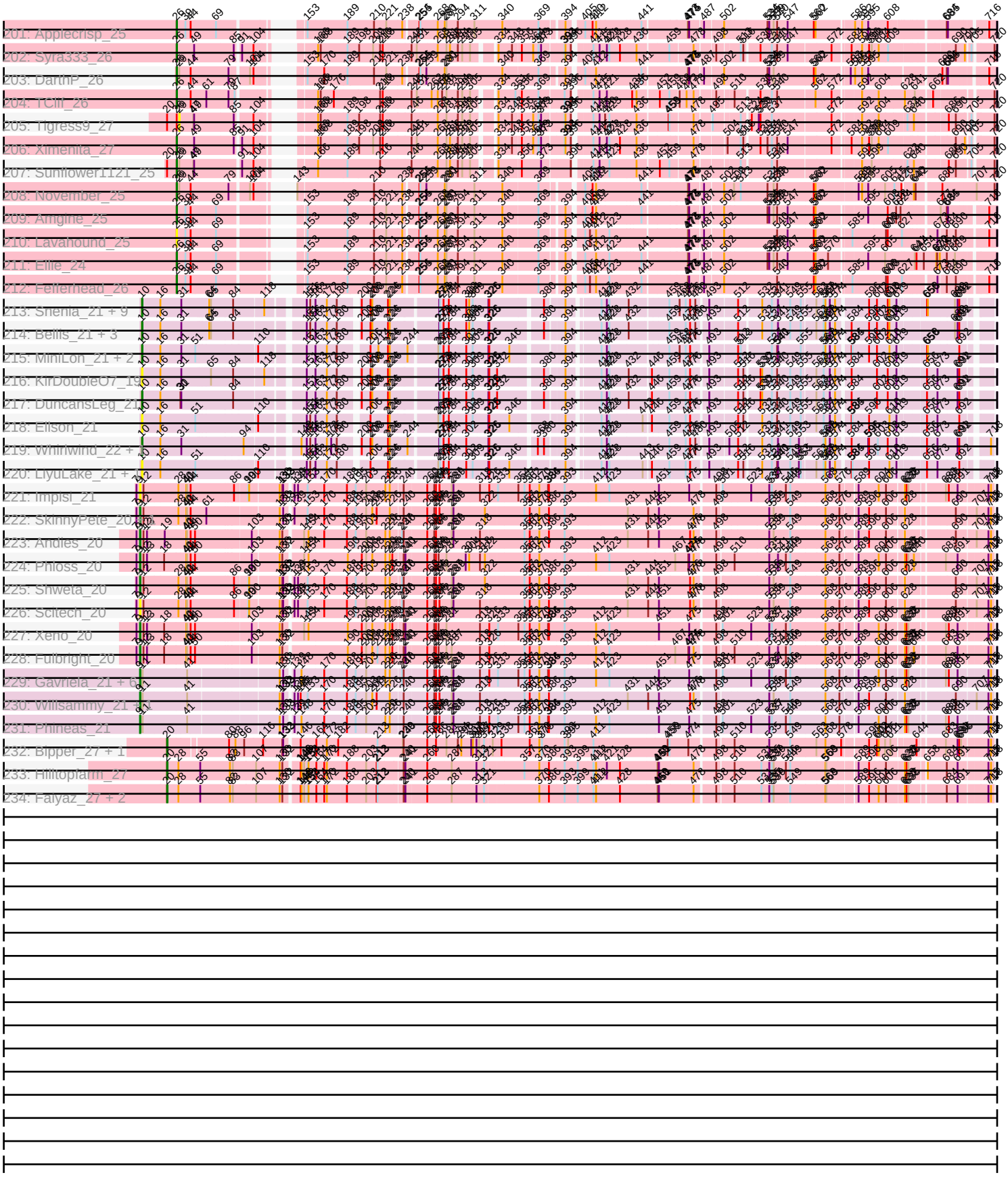
Pham 283376



Pham 283376


151: Zenteno07_34
152: Saguaro_31
153: Thonko_29
154: Knocker_32
155: CRB2_33
156: PenguinLover67_32
157: Quesadilla_31
158: Squirty_19
159: Mdavu_23 + 9
160: Chavito_27
161: Curiosium_28
162: Nikao_23
163: Shaobing_27
164: LastHope_27
165: TingHuaYa_27
166: Darlin_27 + 4
167: Validus_27
168: Findley_23
169: Marcoliusprime_23 + 3
170: Milly_23
171: TM4_23
172: ZoeJ_23
173: Doughnut_23 + 2
174: Strobilo_23
175: MacnCheese_27
176: TBond007_26 + 1
177: SheilockHolmes_26
178: Pharb_26
179: TribleTrouble_25
180: Hurricane_26
181: Keshu_26
182: Kraw_28
183: Flonnbharth_28 + 6
184: Reptar3000_28
185: Bobquesha_29
186: MissDaisy_28
187: Slarp_28 + 3
188: OmniCritical_28
189: Patt_28
190: Mitti_28
191: Lebo14_28
192: Cam_26 + 2
193: Ekdilam_24
194: Yuna_28
195: Shadow1_25
196: Amonition_26
197: Unicorn_26 + 1
198: Krueger_26
199: Tierra_26
200: Rammy_26

Pham 283376


201: Applecrisp_25
202: Syra333_26
203: DarthP_26
204: TCM_26
205: Tigress9_27
206: Ximenita_27
207: Sunflower1121_25
208: November_25
209: Amgine_25
210: Lavahound_25
211: Ellie_24
212: Fellerhead_26
213: Shenia_21 + 9
214: Bellis_21 + 3
215: MiniLon_21 + 2
216: KirDoubleO7_19
217: DuncansLeg_21
218: Ellson_21
219: Whirlwind_22 + 1
220: LiyuLake_21 + 7
221: Impisi_21
222: SkinnyPete_20
223: Andies_20
224: Phloss_20
225: Shweta_20
226: Scitech_20
227: Xeno_20
228: Fulbright_20
229: Gavriela_21 + 6
230: Willsammy_21 + 1
231: Phineas_21
232: Bipper_27 + 1
233: Hilltopfarm_27
234: Faiyaz_27 + 2

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 283376 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283376 has 436 members, 68 are drafts.

Phages represented in each track:
- Track 1 : DontArgue_31
- Track 2 : WalterMcMickey_33, Twister_33
- 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 : Baehexic_32, Centaur_33
- Track 24 : Gratitude_32, WideWale_33, Updawg_33, Equemioh13_33
- Track 25 : Loser_35
- Track 26 : Iwokeuplikedis_32
- Track 27 : Bactobuster_33
- Track 28 : BengiVuitton_32
- Track 29 : KingCyrus_33
- Track 30 : Jaan_35
- Track 31 : LionsBait_32, HippoHollow_32
- Track 32 : MiculUcigas_31
- Track 33 : Leogania_33
- Track 34 : WeiHuaDA_37
- Track 35 : Trixie_34
- Track 36 : SnapTap_31, Crucio_31
- Track 37 : Changeling_34

- Track 38 : Agape74_33, AbbyPaige_33
- Track 39 : Heffalump_33
- Track 40 : JoshKayV_33
- Track 41 : ArcherNM_34
- Track 42 : BiancaTri92_33
- Track 43 : First_0031
- Track 44 : Terrific_35
- Track 45 : Benvolio_31, Echild_31
- Track 46 : Drake55_33
- Track 47 : SemperFi_33
- Track 48 : DeerParkTS_33
- Track 49 : Flare16_31, Sknot_31
- Track 50 : Lokk_34
- Track 51 : Larenn_32
- Track 52 : FiringLine_31, QueenBeesly_31
- Track 53 : LadyBird_31
- Track 54 : Piro94_32
- Track 55 : BabyBack_33
- Track 56 : IronMan_34
- Track 57 : Georgie2_32
- Track 58 : Phaded_35
- Track 59 : GaugeLDP_33
- Track 60 : BobSwaget_34
- Track 61 : NothingSpecial_33
- Track 62 : Turbido_33, Whabigail7_33, LilTurb_33
- Track 63 : Dignity_33
- Track 64 : EvilGenius_33
- Track 65 : Retro23_31
- Track 66 : Anselm_31
- Track 67 : NicoleTera_35
- Track 68 : Power_31
- Track 69 : Jerm_33
- Track 70 : ForesterFrank_33
- Track 71 : ChipMunk_33
- Track 72 : Kalpine_34
- Track 73 : EZMoney23_35
- Track 74 : HarryHoudini_33
- Track 75 : Trooper_31
- Track 76 : CRB1_31
- Track 77 : SweetiePie_31
- Track 78 : Miko_34
- Track 79 : DudeLittle_31
- Track 80 : NaSiaTalie_31
- Track 81 : Prudy_34
- Track 82 : Bugsy_33
- Track 83 : Colin_35
- Track 84 : Fameo_31, QueenB2_31
- Track 85 : TarsusIV_31
- Track 86 : RedRock_35
- Track 87 : Tristan_33
- Track 88 : Landor_33
- Track 89 : 20ES_31
- Track 90 : Rachaly_34

• Track 91 : AnnaL29_35
• Track 92 : Deloris_32
• Track 93 : Leviathan_33
• Track 94 : Dalmatian_31
• Track 95 : Smeagan_33
• Track 96 : Texage_31, Hookmount_32, EtoileNova_32, Panamaxus_31, Lambert1_32, Noella_32, Popcicle_32, Caviar_32, Norbert_31, Pocahontas_32
• Track 97 : Vix_33, Microwolf_33, Montavir_32, Grub_33, Dieselweasel_33, MuchMore_35, DaHudson_33, Colbster_33, Phoebe_33, Grum1_33, Gwennie_32, GtownJaz_33, JHC117_33, Penny1_33, EpicPhail_33, LBerry_33, Aglet_33, MarQuardt_33, AugsMagnumOpus_35, GingkoMaracino_33, Mainiac_33, Pembroke_33, Cullens_33, Malinsilva_35, Stagni_33, Fernando_33, Sabia_33, Lilith_33, Snickers_33, Watson_33, Lowa_33, Bigflo_33, Wooldri_35, Anubis_35, P28Green_33, Taurus_33, JenCasNa_33, SoYo_33, Beauxregard13_33, MoneyMay_33, Marie_33, Sabinator_33, Hercules11_33, MadMarie_33, StepMih_33, PGHhamlin_35, Croquant_34, PotatoSplit_34, Farber_33, Ollie_33, BreSam8_33, LugYA_35
• Track 98 : Heathen_31, Roimos_31, Fred313_31, Zarafa_31, DropBear_31, Scout_31, Kachowdy_31, HelDan_31, Marchesa_31
• Track 99 : Kalb97_34
• Track 100 : Reba_34, Phranny_34
• Track 101 : Manu_34, Marius_34, Groupthink_34, ClownCar_34, PurpleHaze_33, Pawn_33, Gemma_33, Heliosoles_33, Calvinny_34
• Track 102 : QuinnKiro_31, Veracruz_31, Todacoro_32
• Track 103 : SaturnRing_31, TNguyen7_31, Idleandcovert_31, BlueBird_32, Bugatti_31, Clammy_31, Giroux_32, Pistachio_32, Puppy_32
• Track 104 : Soshari_35, Methuselah_32
• Track 105 : Grif_33
• Track 106 : Kalnoky_34, JeppNRM_34
• Track 107 : BabyRay_31
• Track 108 : MA5_31
• Track 109 : 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 110 : Tiffany_33
• Track 111 : Margo_32
• Track 112 : BabyJohn_30, Chiqui_30
• Track 113 : Jobu08_33
• Track 114 : JF2_31, JF4_31
• Track 115 : ResDef_32
• Track 116 : Spike509_33
• Track 117 : Zetzy_32
• Track 118 : B1_29
• Track 119 : HaveUMetTed_34, ACFishhook_33
• Track 120 : MK4_31
• Track 121 : SoilDragon_33
• Track 122 : Isca_31
• Track 123 : Rockstar_31
• Track 124 : OlanP_33
• Track 125 : Phantastic_31
• Track 126 : PhishRPhriends_32
• Track 127 : Stasia_32

• Track 128 : EmyBug_33, Eidsmoe_33, Conquerage_33, Qobbit_33, Spouty_33, Priya_33, ExplosioNervosa_33
• Track 129 : Aliter_33, Ugenie5_30, Lilleskat_31, Fayely_33, Myxus_33, Holex_32, Catalina_34, HortumSL17_33, PackMan_33, Tubs_33, Phaeder_33, Scherzo_33
• Track 130 : Maminiaina_32, BogosyJay_32
• Track 131 : LoneWolf_32
• Track 132 : Hanray_32, Phonnegut_33, Beemo_33, Jiawan_32, Pioneer_33, RyeScarlet_34, Onglai_32
• Track 133 : Ayanochan_34
• Track 134 : Vanisoa_30
• Track 135 : EdogawaKiddo_31
• Track 136 : Darrell_33
• Track 137 : Alma_33
• Track 138 : Keziacharles14_31
• Track 139 : Elephantoon_32
• Track 140 : Arissanae_31
• Track 141 : Sachima_31
• Track 142 : Maco6_22
• Track 143 : FF47_24
• Track 144 : Muddy_24
• Track 145 : LongHai_25, Salvus_25
• Track 146 : 8UZL_24
• Track 147 : MalagasyRose_27
• Track 148 : Imvubu_24
• Track 149 : Indlovu_28
• Track 150 : Hashim76_34
• Track 151 : Zenteno07_34
• Track 152 : Saguaro_31
• Track 153 : Thonko_29
• Track 154 : Knocker_32
• Track 155 : CRB2_33
• Track 156 : PenguinLover67_32
• Track 157 : Quesadilla_31
• Track 158 : Squirty_19
• Track 159 : Mdavu_23, Teejan_23, Trice_23, Enkosi_23, Amelie_23, Biglebops_23, Torres_23, LilPharaoh_23, SgtBeansprout_23, Nutello_23
• Track 160 : Chavito_27
• Track 161 : Curiosium_28
• Track 162 : Nikao_23
• Track 163 : Shaobing_27
• Track 164 : LastHope_27
• Track 165 : TingHuaYa_27
• Track 166 : Dartin_27, McMater_27, Peanam_27, Richo_27, Niklas_27
• Track 167 : Validus_27
• Track 168 : Findley_23
• Track 169 : Marcoliusprime_23, DismalStressor_23, DismalFunk_23
• Track 170 : Milly_23
• Track 171 : TM4_23
• Track 172 : ZoeJ_23
• Track 173 : Doughnut_23, Mufasa_23, BoostSeason_23
• Track 174 : Strobilo_23
• Track 175 : MacnCheese_27
• Track 176 : TBond007_26, Pixie_26

• Track 177 : ShedlockHolmes_26, Lea83_26
• Track 178 : Pharb_26
• Track 179 : TribleTrouble_25
• Track 180 : Hurricane_26
• Track 181 : Keshu_26
• Track 182 : Kraw_28
• Track 183 : Fionnbharth_28, JF1_28, YasnayaPolyana_28, Wintermute_28, Y10_28, Y2_28, Malthus_29
• Track 184 : Reptar3000_28
• Track 185 : Bobquesha_29
• Track 186 : MissDaisy_28
• Track 187 : Slarp_28, Cheetobro_28, Chancellor_28, Qhanda_29
• Track 188 : OmniCritical_28
• Track 189 : Patt_28
• Track 190 : Mitti_28
• Track 191 : Lebo14_28
• Track 192 : Cain_26, Phrank_26, Bryler_26
• Track 193 : Ekdilam_24
• Track 194 : Yuna_28
• Track 195 : Shadow1_25
• Track 196 : Amohnition_26
• Track 197 : Unicorn_26, PhelpsODU_26
• Track 198 : Krueger_26
• Track 199 : Tierra_26
• Track 200 : Hammy_26
• Track 201 : Applecrisp_25
• Track 202 : Syra333_26
• Track 203 : DarthP_26
• Track 204 : TClif_26
• Track 205 : Tigress9_27
• Track 206 : Ximenita_27
• Track 207 : Sunflower1121_25
• Track 208 : November_25
• Track 209 : Amgine_25
• Track 210 : Lavahound_25
• Track 211 : Ellie_24
• Track 212 : Fefferhead_26
• Track 213 : Snenia_21, Red305_21, Jubie_21, Lumos_21, Clautastrophe_21, TriFive_21, Nicholas_21, Kingsolomon_21, MsGreen_21, Jobypre_21
• Track 214 : Bellis_21, Finnry_21, Moostard_21, Samty_21
• Track 215 : MiniLon_21, MiniMac_21, Lolly9_21
• Track 216 : KirDoubleO7_19
• Track 217 : DuncansLeg_21
• Track 218 : Ellson_21
• Track 219 : Whirlwind_22, Krypton555_21
• Track 220 : LiyuLake_21, BourbonZero_20
• Track 221 : Impisi_21
• Track 222 : SkinnyPete_20, Panchino_20
• Track 223 : Andies_20
• Track 224 : Phloss_20
• Track 225 : Shweta_20
• Track 226 : Scitech_20
• Track 227 : Xeno_20

• Track 228 : Fulbright_20
• Track 229 : Gavriela_21, CactusJack_21, StressBall_21, Glaske_21, Megiddo_21, KilKor_21, Phalm_21
• Track 230 : Willsammy_21, Dynamo_21
• Track 231 : Phineas_21
• Track 232 : Bipper_27, Cracklewink_27
• Track 233 : Hilltopfarm_27
• Track 234 : 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 29, it was called in 108 of the 368 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ACFishhook_33, Aglet_33, AgronaGT15_33, Anubis_35, AugsMagnumOpus_35, Bactobuster_33, Beauxregard13_33, BiancaTri92_33, Bigflo_33, BreSam8_33, BuzzBuzz_32, Bxz2_32, Calvinny_34, Chupacabra_32, ClownCar_34, Colbster_33, Croquant_34, Cullens_33, DaHudson_33, Daishi_32, Dieselweasel_33, DontArgue_31, Drake94_31, DustyMartin_37, Eaglepride_34, Edison31_33, EpicPhail_33, Farber_33, Fernando_33, Gemma_33, GingkoMaracino_33, Goose_32, Grif_33, Groupthink_34, Grub_33, Grum1_33, GtownJaz_33, Gwennie_32, HashRod_34, HaveUMetTed_34, Heliosoles_33, Hercules11_33, JHC117_33, Jaan_35, JenCasNa_33, JeppNRM_34, Jobu08_33, KADY_34, Kalb97_34, Kalnoky_34, KittenMittens_31, Kristoff_34, LBerry_33, Landor_33, LarryKay_33, Leogania_33, Lilith_33, Louie6_33, Lowa_33, LugYA_35, MadMarie_33, Mainiac_33, Malinsilva_35, Manu_34, MarQuardt_33, Marie_33, Marius_34, Methuselah_32, Microwolf_33, Misomonster_35, MoneyMay_33, Montavir_32, MuchMore_35, OKCentral2016_32, OlanP_33, Ollie_33, P28Green_33, PGHhamlin_35, Pawn_33, PeaceMeal1_31, Pembroke_33, Penny1_33, Phaded_35, PhishRPhriends_32, Phoebe_33, Phoxy_33, Phranny_34, Poompha_31, PotatoSplit_34, PurpleHaze_33, Reba_34, Rebeuca_34, RhynO_34, Rowdy_37, Rummer_33, Sabia_33, Sabinator_33, Severus_31, Shapes_37, Snickers_33, SoYo_33, SoilDragon_33, Soshari_35, Spike509_33, Stagni_33, Stasia_32, StepMih_33, Taurus_33, Tiffany_33, Tigress9_27, TinyPebbles_33, Topanga_33, Trike_30, Tristan_33, Twister_33, Vix_33, WalterMcMickey_33, Watson_33, Wooldri_35, Zetzy_32,

Genes that have the "Most Annotated" start but do not call it:
• Amohnition_26, DarthP_26, Ekdilam_24, Hammy_26, Krueger_26, November_25, Shadow1_25, Sunflower1121_25,

Genes that do not have the "Most Annotated" start:
• 20ES_31, 40AC_34, 8UZL_24, AbbyPaige_33, Agape74_33, Aliter_33, Alma_33, Amelie_23, Amgine_25, Andies_20, AnnaL29_35, Anselm_31, Applecrisp_25, ArcherNM_34, Arissanae_31, AuntGwenStacy_27, Ayanochan_34, B1_29, BabyBack_33, BabyJohn_30, BabyRay_31, Baehexic_32, Beemo_33, Bellis_21, BengiVuitton_32, Benvolio_31, Biglebops_23, Bipper_27, BlueBird_32, BobSwaget_34, Bobquesha_29, BogosyJay_32, BoostSeason_23, BourbonZero_20, Bryler_26, Bugatti_31, Bugsy_33, CRB1_31, CRB2_33, CactusJack_21, Cain_26,

Catalina_34, Caviar_32, Centaur_33, Chancellor_28, Changeling_34, Chavito_27, Cheetobro_28, ChipMunk_33, Chiqui_30, Clammy_31, Clautastrophe_21, Colin_35, Conquerage_33, Cracklewink_27, Crucio_31, Curiosium_28, Dalmatian_31, Darrell_33, Dartin_27, DeerParkTS_33, Deloris_32, Dignity_33, DismalFunk_23, DismalStressor_23, Doughnut_23, Drake55_33, DropBear_31, DudeLittle_31, DuncansLeg_21, Dynamo_21, EZMoney23_35, Echild_31, EdogawaKiddo_31, Eidsmoe_33, Elephantoon_32, Ellie_24, Ellson_21, EmyBug_33, Enkosi_23, Equemioh13_33, EtoileNova_32, EvilGenius_33, ExplosioNervosa_33, FF47_24, Faiyaz_27, Fameo_31, Fayely_33, Fefferhead_26, Findley_23, Finnry_21, Fionnbharth_28, FiringLine_31, First_0031, Flare16_31, ForesterFrank_33, Fred313_31, Fulbright_20, Gail_31, GaugeLDP_33, Gavriela_21, Georgie2_32, Giroux_32, Glaske_21, Gratitude_32, Hanray_32, HarryHoudini_33, Hashim76_34, Heathen_31, Heffalump_33, HelDan_31, Hilltopfarm_27, HippoHollow_32, Holex_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, Jerm_33, Jiawan_32, Jobypre_21, JoshKayV_33, Jubie_21, Kachowdy_31, Kalpine_34, Keshu_26, Keziacharles14_31, KilKor_21, KingCyrus_33, Kingsolomon_21, KirDoubleO7_19, Knocker_32, Kraw_28, Krypton555_21, LadyBird_31, Lambert1_32, Larenn_32, LastHope_27, Lavahound_25, Lea83_26, Lebo14_28, Leviathan_33, LilPharaoh_23, LilTurb_33, Lilleskat_31, LionsBait_32, LiyuLake_21, Lokk_34, Lolly9_21, LoneWolf_32, LongHai_25, Loser_35, Luchador_33, Lumos_21, MA5_31, MK4_31, MacnCheese_27, Maco6_22, MalagasyRose_27, Malthus_29, Maminiaina_32, Marchesa_31, Marcoliusprime_23, Margo_32, McMater_27, Mdavu_23, Megiddo_21, MiculUcigas_31, Miko_34, Milly_23, MiniLon_21, MiniMac_21, MissDaisy_28, Mitti_28, Moostard_21, MsGreen_21, Muddy_24, Mufasa_23, Myxus_33, NaSiaTalie_31, Nicholas_21, NicoleTera_35, Nikao_23, Niklas_27, Noella_32, Norbert_31, NothingSpecial_33, Nutello_23, OmniCritical_28, Onglai_32, PackMan_33, Panamaxus_31, Panchino_20, Patt_28, Peanam_27, PenguinLover67_32, Phaeder_33, Phalm_21, Phantastic_31, Pharb_26, PhelpsODU_26, Phineas_21, Phloss_20, Phonnegut_33, Phrank_26, Pioneer_33, Piro94_32, Pistachio_32, Pixie_26, Pocahontas_32, Popcicle_32, Power_31, Priya_33, Prudy_34, Puppy_32, Qhanda_29, Qobbit_33, QueenB2_31, QueenBeesly_31, Quesadilla_31, QuinnKiro_31, Rachaly_34, Red305_21, RedRock_35, Reptar3000_28, ResDef_32, Retro23_31, Richo_27, Rockstar_31, Roimos_31, RyeScarlet_34, Sachima_31, Saguaro_31, Salvus_25, Samty_21, SaturnRing_31, Scherzo_33, Scitech_20, Scout_31, SemperFi_33, SgtBeansprout_23, Shaobing_27, ShedlockHolmes_26, Shweta_20, SkinnyPete_20, Sknot_31, Slarp_28, Smeagan_33, SnapTap_31, Snenia_21, SororFago_31, Spouty_33, Squirty_19, StressBall_21, Strobilo_23, SweetiePie_31, Syra333_26, TBond007_26, TClif_26, TM4_23, TNguyen7_31, TarsusIV_31, Teejan_23, Terrific_35, Texage_31, Thonko_29, Tierra_26, TingHuaYa_27, Todacoro_32, Torres_23, TriFive_21, TribleTrouble_25, Trice_23, Trixie_34, Trooper_31, Tubs_33, Turbido_33, Typha_27, Ugenie5_30, Unicorn_26, Updawg_33, Validus_27, Vanisoa_30, Veracruz_31, WeiHuaDA_37, Whabigail7_33, Whirlwind_22, WideWale_33, Willsammy_21, Wintermute_28, Xeno_20, Ximenita_27, Y10_28, Y2_28, YasnayaPolyana_28, Yuna_28, Zarafa_31, Zenteno07_34, ZoeJ_23,

Summary by start number:

Start 1:
• Found in 1 of 436 (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 8:
• Found in 1 of 436 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 368
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squirty_19 (F3),

Start 9:
• Found in 19 of 436 (4.4%) of genes in pham
• Manual Annotations of this start: 17 of 368
• 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 10:
• Found in 24 of 436 (5.5%) of genes in pham
• Manual Annotations of this start: 19 of 368
• 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 20:
• Found in 10 of 436 (2.3%) of genes in pham
• Manual Annotations of this start: 5 of 368
• Called 60.0% 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 22:
• Found in 5 of 436 (1.1%) of genes in pham
• Manual Annotations of this start: 5 of 368
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CRB2_33 (B9), Indlovu_28 (B11), PenguinLover67_32 (B9), Quesadilla_31 (B9), Saguaro_31 (B7),

Start 23:
• Found in 5 of 436 (1.1%) of genes in pham
• Manual Annotations of this start: 5 of 368
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hashim76_34 (B13), Imvubu_24 (B10), Knocker_32 (B9), Thonko_29 (B8), Zenteno07_34 (B13),

Start 24:
• Found in 6 of 436 (1.4%) of genes in pham
• Manual Annotations of this start: 2 of 368

• Called 100.0% of time when present
• Phage (with cluster) where this start called: 8UZL_24 (AB), FF47_24 (AB), LongHai_25 (AB), Maco6_22 (AB), Muddy_24 (AB), Salvus_25 (AB),

Start 26:
• Found in 63 of 436 (14.4%) of genes in pham
• Manual Annotations of this start: 55 of 368
• Called 98.4% of time when present
• Phage (with cluster) where this start called: Amelie_23 (K1), Amgine_25 (K6), Amohnition_26 (K6), Applecrisp_25 (K6), Biglebops_23 (K1), BoostSeason_23 (K2), Bryler_26 (K6), Cain_26 (K6), Chavito_27 (K1), DarthP_26 (K6), Dartin_27 (K1), DismalFunk_23 (K2), DismalStressor_23 (K2), Doughnut_23 (K2), Ekdilam_24 (K6), Ellie_24 (K6), Enkosi_23 (K1), Fefferhead_26 (K6), Findley_23 (K2), Hammy_26 (K6), Hurricane_26 (K3), Keshu_26 (K3), Krueger_26 (K6), Lavahound_25 (K6), Lea83_26 (K3), LilPharaoh_23 (K1), MacnCheese_27 (K3), Marcoliusprime_23 (K2), McMater_27 (K1), Mdavu_23 (K1), Milly_23 (K2), Mufasa_23 (K2), Nikao_23 (K1), Niklas_27 (K1), November_25 (K6), Nutello_23 (K1), Peanam_27 (K1), Pharb_26 (K3), PhelpsODU_26 (K6), Phrank_26 (K6), Pixie_26 (K3), Richo_27 (K1), SgtBeansprout_23 (K1), Shadow1_25 (K6), Shaobing_27 (K1), ShedlockHolmes_26 (K3), Strobilo_23 (K2), Sunflower1121_25 (K6), Syra333_26 (K6), TBond007_26 (K3), TClif_26 (K6), TM4_23 (K2), Teejan_23 (K1), Tierra_26 (K6), Torres_23 (K1), TribleTrouble_25 (K3), Trice_23 (K1), Unicorn_26 (K6), Validus_27 (K1), Ximenita_27 (K6), Yuna_28 (K6), ZoeJ_23 (K2),

Start 29:
• Found in 128 of 436 (29.4%) of genes in pham
• Manual Annotations of this start: 108 of 368
• Called 93.8% of time when present
• Phage (with cluster) where this start called: ACFishhook_33 (A3), Aglet_33 (A3), AgronaGT15_33 (A3), Anubis_35 (A3), AugsMagnumOpus_35 (A3), Bactobuster_33 (A2), Beauxregard13_33 (A3), BiancaTri92_33 (A2), Bigflo_33 (A3), BreSam8_33 (A3), BuzzBuzz_32 (A3), Bxz2_32 (A3), Calvinny_34 (A3), Chupacabra_32 (A10), ClownCar_34 (A3), Colbster_33 (A3), Croquant_34 (A3), Cullens_33 (A3), DaHudson_33 (A3), Daishi_32 (A3), Dieselweasel_33 (A3), DontArgue_31 (A10), Drake94_31 (A10), DustyMartin_37 (A10), Eaglepride_34 (A10), Edison31_33 (A10), EpicPhail_33 (A3), Farber_33 (A3), Fernando_33 (A3), Gemma_33 (A3), GingkoMaracino_33 (A3), Goose_32 (A10), Grif_33 (A3), Groupthink_34 (A3), Grub_33 (A3), Grum1_33 (A3), GtownJaz_33 (A3), Gwennie_32 (A3), HashRod_34 (A3), HaveUMetTed_34 (A3), Heliosoles_33 (A3), Hercules11_33 (A3), JHC117_33 (A3), Jaan_35 (A2), JenCasNa_33 (A3), JeppNRM_34 (A3), Jobu08_33 (A3), KADY_34 (A3), Kalb97_34 (A3), Kalnoky_34 (A3), KittenMittens_31 (A10), Kristoff_34 (A10), LBerry_33 (A3), Landor_33 (A2), LarryKay_33 (A3), Leogania_33 (A2), Lilith_33 (A3), Louie6_33 (A3), Lowa_33 (A3), LugYA_35 (A3), MadMarie_33 (A3), Mainiac_33 (A3), Malinsilva_35 (A3), Manu_34 (A3), MarQuardt_33 (A3), Marie_33 (A3), Marius_34 (A3), Methuselah_32 (A3), Microwolf_33 (A3), Misomonster_35 (A3), MoneyMay_33 (A3), Montavir_32 (A3), MuchMore_35 (A3), OKCentral2016_32 (A10), OlanP_33 (A3), Ollie_33 (A3), P28Green_33 (A3), PGHhamlin_35 (A3), Pawn_33 (A3), PeaceMeal1_31 (A10), Pembroke_33 (A3), Penny1_33 (A3), Phaded_35 (A2), PhishRPhriends_32 (A3), Phoebe_33 (A3), Phoxy_33 (A3), Phranny_34 (A3), Poompha_31 (A10), PotatoSplit_34 (A3), PurpleHaze_33 (A3), Reba_34 (A3), Rebeuca_34 (A10), RhynO_34 (A10), Rowdy_37 (A10), Rummer_33 (A3), Sabia_33 (A3), Sabinator_33 (A3), Severus_31 (A10), Shapes_37 (A10), Snickers_33 (A3), SoYo_33 (A3), SoilDragon_33 (A3), Soshari_35 (A3), Spike509_33

(A3), Stagni_33 (A3), Stasia_32 (A4), StepMih_33 (A3), Taurus_33 (A3), Tiffany_33 (A3), Tigress9_27 (K6), TinyPebbles_33 (A3), Topanga_33 (A10), Trike_30 (A10), Tristan_33 (A2), Twister_33 (A10), Vix_33 (A3), WalterMcMickey_33 (A10), Watson_33 (A3), Wooldri_35 (A3), Zetzy_32 (A3),

Start 32:
• Found in 35 of 436 (8.0%) of genes in pham
• Manual Annotations of this start: 26 of 368
• Called 94.3% 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), Holex_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 33:
• Found in 4 of 436 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 368
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Colin_35 (A2), Kalpine_34 (A2), Trixie_34 (A2), WeiHuaDA_37 (A2),

Start 34:
• Found in 40 of 436 (9.2%) of genes in pham
• Manual Annotations of this start: 36 of 368
• Called 100.0% 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), Bugsy_33 (A2), Centaur_33 (A2), Dignity_33 (A2), Drake55_33 (A2), Echild_31 (A2), Equemioh13_33 (A2), Flare16_31 (A2), Gail_31 (A14), Gratitude_32 (A2), HarryHoudini_33 (A2), HippoHollow_32 (A2), Iwokeuplikedis_32 (A2), Jerm_33 (A2), Keziacharles14_31 (A9), LadyBird_31 (A2), Larenn_32 (A2), Leviathan_33 (A2), LilTurb_33 (A2), LionsBait_32 (A2), Lokk_34 (A2), Luchador_33 (A14), MiculUcigas_31 (A2), Miko_34 (A2), NaSiaTalie_31 (A2), NicoleTera_35 (A2), Piro94_32 (A2), Rachaly_34 (A2), Sknot_31 (A2), Smeagan_33 (A2), SororFago_31 (A14), Terrific_35 (A2), Turbido_33 (A2), Updawg_33 (A2), Whabigail7_33 (A2), WideWale_33 (A2),

Start 36:
• Found in 39 of 436 (8.9%) of genes in pham
• Manual Annotations of this start: 32 of 368
• Called 100.0% 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), ChipMunk_33 (A2), Crucio_31 (A2), Dalmatian_31 (A2), Deloris_32 (A2), DudeLittle_31 (A2), EZMoney23_35 (A2), EvilGenius_33 (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), KingCyrus_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 38:
• Found in 22 of 436 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 9.1% of time when present
• Phage (with cluster) where this start called: EdogawaKiddo_31 (A9), Sachima_31 (A9),

Start 41:
• Found in 22 of 436 (5.0%) of genes in pham
• Manual Annotations of this start: 2 of 368
• Called 9.1% of time when present
• Phage (with cluster) where this start called: Arissanae_31 (A9), Vanisoa_30 (A9),

Start 44:
• Found in 45 of 436 (10.3%) of genes in pham
• Manual Annotations of this start: 1 of 368
• Called 2.2% of time when present
• Phage (with cluster) where this start called: MalagasyRose_27 (AG),

Start 54:
• Found in 2 of 436 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 368
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Curiosium_28 (K1),

Start 60:
• Found in 21 of 436 (4.8%) of genes in pham
• Manual Annotations of this start: 18 of 368
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobquesha_29 (K4), Chancellor_28 (K4), Cheetobro_28 (K4), Fionnbharth_28 (K4), JF1_28 (K4), Kraw_28 (K4), LastHope_27 (K1), Lebo14_28 (K4), Malthus_29 (K4), MissDaisy_28 (K4), Mitti_28 (K4), OmniCritical_28 (K4), Patt_28 (K4), Qhanda_29 (K4), Reptar3000_28 (K4), Slarp_28 (K4), TingHuaYa_27 (K1), Wintermute_28 (K4), Y10_28 (K4), Y2_28 (K4), YasnayaPolyana_28 (K4),

Start 201:
• Found in 7 of 436 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 368
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Phantastic_31 (A3),

Start 202:
• Found in 45 of 436 (10.3%) of genes in pham
• Manual Annotations of this start: 32 of 368
• Called 95.6% 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), Roimos_31 (A3), SaturnRing_31 (A3), Scout_31 (A3), TNguyen7_31 (A3), Texage_31 (A3), Todacoro_32 (A3), Veracruz_31 (A3), Zarafa_31 (A3),

Summary by clusters:

There are 25 clusters represented in this pham: K4, K3, K2, K1, AB, B13, B10, B11, A14, A17, A10, A3, A2, A4, A9, P1, AG, N, L3, Y, F3, B7, B8, B9, K6,

Info for manual annotations of cluster A10:
•Start number 29 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A14:
•Start number 34 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A2:
•Start number 29 was manually annotated 7 times for cluster A2.
•Start number 33 was manually annotated 2 times for cluster A2.
•Start number 34 was manually annotated 32 times for cluster A2.
•Start number 36 was manually annotated 32 times for cluster A2.

Info for manual annotations of cluster A3:
•Start number 29 was manually annotated 83 times for cluster A3.
•Start number 201 was manually annotated 1 time for cluster A3.
•Start number 202 was manually annotated 32 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 29 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A9:
•Start number 32 was manually annotated 26 times for cluster A9.
•Start number 34 was manually annotated 1 time for cluster A9.
•Start number 41 was manually annotated 2 times for cluster A9.

Info for manual annotations of cluster AB:
•Start number 24 was manually annotated 2 times for cluster AB.

Info for manual annotations of cluster AG:
•Start number 44 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster B10:
•Start number 23 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 23 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B7:
•Start number 22 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:
•Start number 23 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:
•Start number 22 was manually annotated 3 times for cluster B9.
•Start number 23 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster F3:
•Start number 8 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster K1:
•Start number 26 was manually annotated 13 times for cluster K1.
•Start number 54 was manually annotated 1 time for cluster K1.
•Start number 60 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:
•Start number 26 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 26 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 60 was manually annotated 17 times for cluster K4.

Info for manual annotations of cluster K6:
•Start number 26 was manually annotated 22 times for cluster K6.

Info for manual annotations of cluster L3:
•Start number 10 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster N:
•Start number 9 was manually annotated 7 times for cluster N.

Info for manual annotations of cluster P1:
•Start number 9 was manually annotated 10 times for cluster P1.

Info for manual annotations of cluster Y:
•Start number 20 was manually annotated 5 times for cluster Y.

Gene Information:

Gene: 20ES_31 Start: 22797, Stop: 25202, Start Num: 36
Candidate Starts for 20ES_31:
(Start: 36 @22797 has 32 MA's), (46, 22818), (73, 22908), (75, 22917), (85, 22938), (107, 23001), (120, 23037), (152, 23118), (175, 23187), (181, 23208), (183, 23217), (208, 23328), (214, 23349), (241, 23439), (245, 23454), (280, 23574), (290, 23607), (293, 23616), (323, 23715), (330, 23742),

(391, 23955), (411, 24045), (414, 24063), (421, 24087), (465, 24288), (472, 24327), (477, 24348), (489, 24384), (498, 24417), (500, 24438), (511, 24474), (527, 24528), (537, 24579), (541, 24600), (560, 24705), (564, 24720), (612, 24930), (649, 24999), (713, 25170), (714, 25179), (715, 25185),

Gene: 40AC_34 Start: 24978, Stop: 26762, Start Num: 36
Candidate Starts for 40AC_34:
(Start: 36 @24978 has 32 MA's), (46, 24999), (75, 25098), (77, 25104), (88, 25131), (98, 25167), (107, 25188), (121, 25224), (124, 25236), (130, 25248), (170, 25350), (234, 25371), (333, 25425), (338, 25437), (391, 25503), (411, 25593), (414, 25611), (421, 25635), (445, 25770), (465, 25836), (472, 25875), (498, 25965), (511, 26022), (530, 26088), (540, 26145), (571, 26307), (604, 26445), (606, 26469), (641, 26547), (647, 26559), (678, 26622), (684, 26640), (715, 26745),

Gene: 8UZL_24 Start: 19399, Stop: 21717, Start Num: 24
Candidate Starts for 8UZL_24:
(Start: 24 @19399 has 2 MA's), (88, 19600), (103, 19645), (106, 19657), (144, 19768), (165, 19834), (226, 19975), (261, 20107), (274, 20146), (279, 20158), (291, 20197), (297, 20215), (306, 20251), (325, 20311), (372, 20386), (385, 20413), (397, 20476), (410, 20533), (449, 20728), (470, 20797), (472, 20815), (474, 20821), (475, 20824), (476, 20827), (481, 20851), (505, 20944), (506, 20950), (529, 21028), (538, 21076), (539, 21079), (552, 21157), (564, 21223), (566, 21235), (582, 21298), (586, 21319), (591, 21340), (604, 21397), (605, 21418), (619, 21457), (640, 21499), (656, 21532), (660, 21538), (662, 21553), (692, 21637),

Gene: ACFishhook_33 Start: 23442, Stop: 25250, Start Num: 29
Candidate Starts for ACFishhook_33:
(Start: 29 @23442 has 108 MA's), (73, 23577), (95, 23643), (112, 23688), (114, 23691), (170, 23838), (181, 23883), (187, 23913), (411, 24081), (414, 24099), (421, 24123), (452, 24285), (465, 24324), (472, 24363), (498, 24453), (537, 24615), (541, 24636), (557, 24723), (568, 24780), (571, 24795), (587, 24858), (604, 24933), (605, 24954), (647, 25047), (662, 25086), (684, 25128), (714, 25227),

Gene: AbbyPaige_33 Start: 23268, Stop: 25358, Start Num: 34
Candidate Starts for AbbyPaige_33:
(Start: 34 @23268 has 36 MA's), (73, 23382), (75, 23391), (77, 23397), (107, 23481), (124, 23529), (160, 23619), (170, 23643), (183, 23697), (241, 23808), (280, 23943), (411, 24180), (414, 24198), (421, 24222), (439, 24330), (454, 24393), (465, 24423), (472, 24462), (498, 24552), (511, 24609), (512, 24612), (529, 24669), (537, 24714), (541, 24735), (574, 24912), (577, 24924), (586, 24951), (606, 25056), (648, 25146), (695, 25269), (699, 25281), (710, 25305), (715, 25335), (719, 25350),

Gene: Agape74_33 Start: 23244, Stop: 25334, Start Num: 34
Candidate Starts for Agape74_33:
(Start: 34 @23244 has 36 MA's), (73, 23358), (75, 23367), (77, 23373), (107, 23457), (124, 23505), (160, 23595), (170, 23619), (183, 23673), (241, 23784), (280, 23919), (411, 24156), (414, 24174), (421, 24198), (439, 24306), (454, 24369), (465, 24399), (472, 24438), (498, 24528), (511, 24585), (512, 24588), (529, 24645), (537, 24690), (541, 24711), (574, 24888), (577, 24900), (586, 24927), (606, 25032), (648, 25122), (695, 25245), (699, 25257), (710, 25281), (715, 25311), (719, 25326),

Gene: Aglet_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for Aglet_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: AgronaGT15_33 Start: 23185, Stop: 24936, Start Num: 29

Candidate Starts for AgronaGT15_33:
(Start: 29 @23185 has 108 MA's), (73, 23320), (95, 23386), (112, 23431), (124, 23467), (169, 23578), (173, 23599), (257, 23635), (377, 23656), (409, 23773), (438, 23911), (459, 24007), (463, 24010), (478, 24079), (488, 24103), (499, 24148), (511, 24196), (530, 24262), (561, 24433), (563, 24439), (572, 24490), (585, 24535), (593, 24565), (604, 24613), (612, 24655), (617, 24670), (619, 24673), (633, 24697), (685, 24799), (686, 24802), (690, 24826),

Gene: Aliter_33 Start: 24305, Stop: 26071, Start Num: 32
Candidate Starts for Aliter_33:
(Start: 32 @24305 has 26 MA's), (38, 24317), (95, 24491), (130, 24581), (154, 24626), (157, 24635), (257, 24713), (335, 24737), (382, 24773), (411, 24902), (414, 24920), (465, 25145), (469, 25166), (472, 25184), (498, 25274), (511, 25331), (540, 25454), (564, 25577), (571, 25616), (585, 25673), (604, 25754), (605, 25775), (606, 25778), (647, 25868), (690, 25979), (715, 26054),

Gene: Alma_33 Start: 24420, Stop: 26186, Start Num: 32
Candidate Starts for Alma_33:
(Start: 32 @24420 has 26 MA's), (95, 24606), (130, 24696), (154, 24741), (157, 24750), (335, 24852), (382, 24888), (411, 25017), (414, 25035), (465, 25260), (469, 25281), (472, 25299), (498, 25389), (511, 25446), (540, 25569), (564, 25692), (568, 25716), (571, 25731), (604, 25869), (605, 25890), (606, 25893), (608, 25899), (647, 25983), (703, 26133), (715, 26169),

Gene: Amelie_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Amelie_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: Amgine_25 Start: 20975, Stop: 23359, Start Num: 26
Candidate Starts for Amgine_25:
(Start: 26 @20975 has 55 MA's), (39, 21005), (Start: 44 @21023 has 1 MA's), (69, 21107), (153, 21281), (189, 21413), (210, 21503), (221, 21545), (238, 21596), (254, 21638), (255, 21641), (268, 21698), (280, 21722), (281, 21728), (294, 21767), (311, 21824), (340, 21920), (369, 22037), (394, 22106), (405, 22145), (410, 22163), (412, 22175), (441, 22319), (473, 22454), (474, 22457), (475, 22460), (487, 22499), (502, 22553), (534, 22694), (535, 22700), (539, 22715), (540, 22727), (547, 22757), (560, 22844), (562, 22850), (595, 23000), (608, 23063), (618, 23090), (624, 23099), (677, 23201), (684, 23222), (685, 23225), (716, 23333),

Gene: Amohnition_26 Start: 21373, Stop: 23781, Start Num: 26
Candidate Starts for Amohnition_26:
(Start: 26 @21373 has 55 MA's), (Start: 29 @21382 has 108 MA's), (Start: 44 @21421 has 1 MA's), (79, 21544), (101, 21601), (104, 21613), (153, 21679), (156, 21688), (170, 21733), (189, 21811), (210, 21901), (211, 21907), (221, 21943), (238, 21994), (254, 22036), (255, 22039), (259, 22060), (280, 22120), (281, 22126), (340, 22318), (369, 22435), (394, 22504), (405, 22543), (410, 22561), (412, 22573), (441, 22717), (473, 22852), (475, 22858), (487, 22897), (502, 22951), (513, 23005), (534, 23092), (535, 23098), (539, 23113), (540, 23125), (547, 23155), (560, 23242), (562, 23248), (595, 23398), (605, 23452), (680, 23611), (684, 23626), (685, 23629), (716, 23755),

Gene: Andies_20 Start: 17553, Stop: 20192, Start Num: 9

Candidate Starts for Andies_20:
(7, 17541), (Start: 9 @17553 has 17 MA's), (12, 17565), (13, 17577), (19, 17631), (40, 17700), (Start: 41 @17703 has 2 MA's), (Start: 44 @17712 has 1 MA's), (50, 17727), (103, 17904), (130, 17985), (132, 17994), (149, 18051), (154, 18066), (170, 18117), (188, 18189), (195, 18219), (203, 18255), (220, 18318), (226, 18333), (237, 18360), (240, 18366), (260, 18441), (264, 18465), (266, 18471), (287, 18525), (289, 18531), (318, 18618), (357, 18750), (362, 18768), (370, 18801), (386, 18828), (393, 18879), (431, 19089), (444, 19155), (451, 19191), (476, 19290), (478, 19302), (498, 19365), (535, 19527), (539, 19542), (549, 19593), (568, 19710), (576, 19755), (589, 19797), (596, 19833), (606, 19887), (628, 19935), (690, 20079), (707, 20136), (715, 20175), (718, 20184),

Gene: AnnaL29_35 Start: 25114, Stop: 26892, Start Num: 36
Candidate Starts for AnnaL29_35:
(Start: 36 @25114 has 32 MA's), (73, 25225), (75, 25234), (107, 25321), (120, 25357), (124, 25369), (130, 25381), (243, 25528), (257, 25537), (333, 25558), (338, 25570), (411, 25726), (414, 25744), (439, 25876), (465, 25969), (472, 26008), (489, 26065), (498, 26098), (511, 26155), (527, 26209), (540, 26278), (564, 26401), (571, 26440), (580, 26470), (604, 26575), (605, 26596), (606, 26599), (647, 26689), (684, 26770), (699, 26830),

Gene: Anselm_31 Start: 22873, Stop: 25074, Start Num: 36
Candidate Starts for Anselm_31:
(Start: 36 @22873 has 32 MA's), (46, 22894), (75, 22993), (97, 23056), (107, 23083), (120, 23119), (160, 23221), (168, 23233), (183, 23299), (241, 23410), (279, 23542), (280, 23545), (411, 23899), (414, 23917), (421, 23941), (465, 24142), (472, 24181), (498, 24271), (511, 24328), (529, 24388), (537, 24433), (541, 24454), (560, 24559), (564, 24574), (577, 24643), (586, 24670), (595, 24715), (606, 24775), (614, 24799), (687, 24949), (699, 24997), (710, 25021),

Gene: Anubis_35 Start: 23163, Stop: 24920, Start Num: 29
Candidate Starts for Anubis_35:
(Start: 29 @23163 has 108 MA's), (73, 23298), (95, 23364), (112, 23409), (124, 23445), (173, 23577), (257, 23613), (377, 23634), (394, 23691), (409, 23751), (424, 23805), (432, 23865), (459, 23985), (463, 23988), (478, 24057), (488, 24081), (511, 24174), (516, 24195), (530, 24240), (597, 24570), (612, 24639), (641, 24702), (712, 24873),

Gene: Applecrisp_25 Start: 21389, Stop: 23770, Start Num: 26
Candidate Starts for Applecrisp_25:
(Start: 26 @21389 has 55 MA's), (39, 21419), (Start: 44 @21437 has 1 MA's), (69, 21521), (153, 21695), (189, 21827), (210, 21917), (221, 21959), (238, 22010), (254, 22052), (255, 22055), (268, 22112), (280, 22136), (281, 22142), (294, 22181), (311, 22238), (340, 22334), (369, 22451), (394, 22520), (405, 22559), (410, 22577), (412, 22589), (441, 22733), (473, 22868), (474, 22871), (475, 22874), (487, 22913), (502, 22967), (534, 23105), (535, 23111), (539, 23126), (540, 23138), (547, 23168), (560, 23255), (562, 23261), (586, 23366), (592, 23390), (595, 23411), (608, 23474), (684, 23633), (685, 23636), (716, 23744),

Gene: ArcherNM_34 Start: 25064, Stop: 26842, Start Num: 36
Candidate Starts for ArcherNM_34:
(Start: 36 @25064 has 32 MA's), (46, 25085), (73, 25175), (75, 25184), (107, 25271), (120, 25307), (124, 25319), (130, 25331), (257, 25487), (333, 25508), (338, 25520), (391, 25586), (411, 25676), (414, 25694), (421, 25718), (448, 25862), (465, 25919), (472, 25958), (489, 26015), (498, 26048), (511, 26105), (527, 26159), (540, 26228), (564, 26351), (568, 26375), (571, 26390), (604, 26525), (605, 26546), (647, 26639), (684, 26720), (699, 26780), (715, 26825),

Gene: Arissanae_31 Start: 22459, Stop: 24807, Start Num: 41
Candidate Starts for Arissanae_31:

(39, 22453), (Start: 41 @22459 has 2 MA's), (71, 22558), (81, 22591), (107, 22666), (125, 22726), (158, 22816), (184, 22918), (192, 22945), (205, 22981), (226, 23050), (297, 23266), (309, 23308), (336, 23398), (344, 23425), (394, 23572), (396, 23590), (421, 23674), (423, 23683), (425, 23689), (459, 23869), (476, 23929), (493, 23977), (495, 23989), (537, 24169), (540, 24187), (549, 24226), (553, 24256), (561, 24301), (568, 24337), (569, 24340), (584, 24403), (619, 24547), (652, 24613), (692, 24727), (712, 24772), (714, 24784),

Gene: AugsMagnumOpus_35 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for AugsMagnumOpus_35:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: AuntGwenStacy_27 Start: 23429, Stop: 26023, Start Num: 20
Candidate Starts for AuntGwenStacy_27:
(Start: 20 @23429 has 5 MA's), (28, 23468), (55, 23543), (82, 23645), (83, 23654), (107, 23732), (130, 23813), (132, 23822), (146, 23867), (148, 23870), (149, 23879), (153, 23891), (154, 23894), (164, 23918), (170, 23945), (172, 23954), (188, 24017), (203, 24083), (212, 24119), (213, 24122), (240, 24194), (241, 24200), (260, 24269), (287, 24353), (313, 24434), (321, 24455), (370, 24629), (386, 24656), (393, 24707), (399, 24752), (411, 24803), (412, 24812), (428, 24890), (449, 25013), (450, 25016), (451, 25019), (478, 25130), (498, 25193), (510, 25241), (531, 25328), (535, 25355), (537, 25364), (539, 25370), (549, 25421), (568, 25538), (569, 25541), (589, 25625), (596, 25661), (604, 25691), (606, 25715), (628, 25766), (632, 25772), (635, 25778), (684, 25880), (691, 25916), (715, 26006), (718, 26015),

Gene: Ayanochan_34 Start: 24410, Stop: 26176, Start Num: 32
Candidate Starts for Ayanochan_34:
(Start: 32 @24410 has 26 MA's), (95, 24596), (130, 24686), (154, 24731), (157, 24740), (257, 24818), (335, 24842), (382, 24878), (411, 25007), (414, 25025), (465, 25250), (469, 25271), (472, 25289), (498, 25379), (511, 25436), (540, 25559), (564, 25682), (571, 25721), (585, 25778), (604, 25859), (605, 25880), (606, 25883), (640, 25958), (647, 25973), (690, 26084), (715, 26159),

Gene: B1_29 Start: 22527, Stop: 24386, Start Num: 202
Candidate Starts for B1_29:
(Start: 202 @22527 has 32 MA's), (243, 22653), (248, 22671), (254, 22686), (262, 22728), (287, 22791), (336, 22944), (337, 22947), (343, 22968), (350, 22995), (375, 23070), (392, 23121), (411, 23208), (421, 23250), (472, 23490), (489, 23547), (498, 23580), (524, 23673), (529, 23697), (549, 23802), (560, 23868), (564, 23883), (602, 24054), (641, 24159), (665, 24213), (686, 24252), (699, 24306), (710, 24333), (714, 24357),

Gene: BabyBack_33 Start: 24351, Stop: 26132, Start Num: 36
Candidate Starts for BabyBack_33:
(Start: 36 @24351 has 32 MA's), (46, 24372), (73, 24462), (75, 24471), (77, 24477), (124, 24609), (130, 24621), (159, 24696), (338, 24810), (411, 24966), (414, 24984), (421, 25008), (442, 25122), (465, 25209), (472, 25248), (498, 25338), (500, 25359), (527, 25449), (537, 25500), (541, 25521), (568, 25665), (571, 25680), (604, 25815), (605, 25836), (612, 25857), (633, 25896), (640, 25914), (647, 25929), (662, 25968), (684, 26010), (690, 26040), (692, 26052), (714, 26109),

Gene: BabyJohn_30 Start: 23109, Stop: 24968, Start Num: 202
Candidate Starts for BabyJohn_30:
(Start: 202 @23109 has 32 MA's), (248, 23253), (262, 23310), (337, 23529), (342, 23547), (343, 23550), (350, 23577), (371, 23646), (375, 23652), (411, 23790), (414, 23808), (421, 23832), (472,

24072), (498, 24162), (540, 24342), (549, 24384), (560, 24450), (564, 24465), (602, 24636), (606, 24666), (665, 24795), (699, 24888), (710, 24915), (714, 24939), (715, 24945),

Gene: BabyRay_31 Start: 23087, Stop: 24946, Start Num: 202
Candidate Starts for BabyRay_31:
(Start: 202 @23087 has 32 MA's), (248, 23231), (254, 23246), (262, 23288), (287, 23351), (328, 23483), (337, 23507), (343, 23528), (350, 23555), (375, 23630), (411, 23768), (414, 23786), (415, 23789), (421, 23810), (472, 24050), (498, 24140), (524, 24233), (529, 24257), (549, 24362), (560, 24428), (564, 24443), (571, 24482), (602, 24614), (641, 24719), (665, 24773), (686, 24812), (699, 24866), (710, 24893), (714, 24917),

Gene: Bactobuster_33 Start: 24863, Stop: 26638, Start Num: 29
Candidate Starts for Bactobuster_33:
(21, 24824), (Start: 29 @24863 has 108 MA's), (73, 24974), (75, 24983), (97, 25040), (107, 25067), (144, 25160), (243, 25274), (333, 25304), (402, 25439), (411, 25472), (414, 25490), (421, 25514), (442, 25628), (452, 25676), (465, 25715), (472, 25754), (476, 25766), (489, 25811), (537, 26006), (541, 26027), (559, 26120), (571, 26186), (590, 26258), (604, 26321), (640, 26420), (647, 26435), (684, 26516), (699, 26576), (715, 26621),

Gene: Baehexic_32 Start: 23237, Stop: 25444, Start Num: 34
Candidate Starts for Baehexic_32:
(Start: 34 @23237 has 36 MA's), (73, 23351), (75, 23360), (77, 23366), (85, 23387), (97, 23423), (124, 23498), (160, 23588), (168, 23600), (241, 23777), (251, 23816), (280, 23912), (374, 24125), (391, 24173), (411, 24263), (418, 24293), (421, 24305), (472, 24545), (498, 24644), (500, 24665), (527, 24755), (529, 24761), (530, 24767), (537, 24806), (541, 24827), (548, 24863), (549, 24866), (560, 24932), (606, 25148), (629, 25196), (660, 25259), (687, 25319), (699, 25367), (715, 25421),

Gene: Beauxregard13_33 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for Beauxregard13_33:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Beemo_33 Start: 24411, Stop: 26177, Start Num: 32
Candidate Starts for Beemo_33:
(Start: 32 @24411 has 26 MA's), (38, 24423), (95, 24597), (130, 24687), (154, 24732), (157, 24741), (257, 24819), (335, 24843), (382, 24879), (411, 25008), (414, 25026), (465, 25251), (469, 25272), (472, 25290), (498, 25380), (511, 25437), (540, 25560), (564, 25683), (571, 25722), (585, 25779), (604, 25860), (605, 25881), (606, 25884), (640, 25959), (647, 25974), (690, 26085), (715, 26160),

Gene: Bellis_21 Start: 19726, Stop: 22239, Start Num: 10
Candidate Starts for Bellis_21:
(Start: 10 @19726 has 19 MA's), (16, 19789), (31, 19861), (64, 19951), (65, 19957), (84, 20029), (151, 20221), (156, 20233), (163, 20251), (172, 20290), (180, 20320), (200, 20377), (206, 20407), (208, 20413), (224, 20467), (226, 20473), (271, 20620), (273, 20623), (278, 20632), (284, 20650), (302, 20710), (304, 20719), (309, 20731), (325, 20782), (326, 20785), (380, 20950), (394, 21007), (417, 21091), (421, 21109), (423, 21118), (432, 21181), (459, 21301), (471, 21346), (476, 21361), (480, 21379), (493, 21409), (512, 21499), (532, 21568), (537, 21601), (541, 21622), (549, 21658), (555, 21694), (563, 21739), (567, 21763), (568, 21769), (571, 21784), (574, 21802), (584, 21835), (596, 21889), (602, 21913), (608, 21949), (610, 21955), (619, 21979), (689, 22144), (691, 22153), (692, 22159),

Gene: BengiVuitton_32 Start: 23191, Stop: 25377, Start Num: 36
Candidate Starts for BengiVuitton_32:
(Start: 36 @23191 has 32 MA's), (46, 23212), (73, 23302), (85, 23332), (107, 23395), (120, 23431), (142, 23485), (175, 23581), (183, 23611), (214, 23743), (241, 23833), (245, 23848), (280, 23968), (290, 24001), (293, 24010), (411, 24205), (414, 24223), (465, 24451), (472, 24490), (489, 24547), (498, 24580), (500, 24601), (511, 24637), (529, 24697), (537, 24742), (541, 24763), (543, 24772), (564, 24883), (568, 24907), (571, 24922), (572, 24928), (604, 25060), (616, 25114), (643, 25162), (649, 25174), (662, 25213), (714, 25354), (716, 25363),

Gene: Benvolio_31 Start: 22854, Stop: 25181, Start Num: 34
Candidate Starts for Benvolio_31:
(Start: 34 @22854 has 36 MA's), (46, 22878), (75, 22977), (77, 22983), (88, 23010), (107, 23067), (120, 23103), (142, 23157), (152, 23184), (160, 23205), (170, 23229), (183, 23283), (241, 23394), (280, 23529), (290, 23562), (345, 23748), (411, 24000), (414, 24018), (421, 24042), (465, 24243), (472, 24282), (498, 24372), (511, 24429), (529, 24489), (537, 24534), (541, 24555), (564, 24675), (568, 24699), (577, 24744), (586, 24777), (631, 24933), (683, 25044), (699, 25104), (715, 25158), (718, 25167),

Gene: BiancaTri92_33 Start: 24557, Stop: 26335, Start Num: 29
Candidate Starts for BiancaTri92_33:
(Start: 29 @24557 has 108 MA's), (73, 24668), (75, 24677), (97, 24737), (107, 24764), (120, 24800), (257, 24980), (333, 25001), (338, 25013), (406, 25148), (411, 25169), (414, 25187), (421, 25211), (439, 25319), (455, 25385), (472, 25451), (489, 25508), (498, 25541), (511, 25598), (560, 25829), (568, 25868), (571, 25883), (604, 26018), (606, 26042), (608, 26048), (640, 26117), (647, 26132), (662, 26171), (684, 26213), (715, 26318),

Gene: Bigflo_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for Bigflo_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: Biglebops_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Biglebops_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: Bipper_27 Start: 23567, Stop: 26155, Start Num: 20
Candidate Starts for Bipper_27:
(Start: 20 @23567 has 5 MA's), (80, 23756), (88, 23777), (96, 23807), (116, 23870), (132, 23936), (133, 23939), (146, 23981), (164, 24032), (172, 24068), (182, 24107), (213, 24242), (239, 24320), (240, 24323), (260, 24404), (266, 24434), (281, 24470), (294, 24509), (298, 24521), (307, 24551), (310, 24557), (313, 24569), (317, 24578), (321, 24590), (329, 24614), (338, 24638), (362, 24731), (370, 24764), (375, 24767), (393, 24842), (395, 24854), (411, 24938), (456, 25184), (459, 25190), (474, 25247), (498, 25328), (510, 25376), (535, 25490), (549, 25556), (563, 25643), (568, 25673), (578, 25724), (596, 25796), (602, 25820), (604, 25826), (605, 25847), (611, 25865), (644, 25934),

(683, 26009), (691, 26048), (692, 26054), (695, 26060), (715, 26138), (718, 26147),

Gene: BlueBird_32 Start: 22838, Stop: 24697, Start Num: 202
Candidate Starts for BlueBird_32:
(Start: 202 @22838 has 32 MA's), (248, 22982), (254, 22997), (262, 23039), (305, 23162), (321, 23210), (335, 23252), (337, 23258), (343, 23279), (411, 23519), (418, 23549), (427, 23597), (452, 23723), (465, 23762), (472, 23801), (489, 23858), (498, 23891), (537, 24053), (538, 24056), (549, 24113), (560, 24179), (564, 24194), (606, 24395), (662, 24521), (665, 24524), (695, 24605), (699, 24617), (710, 24644), (715, 24674),

Gene: BobSwaget_34 Start: 24339, Stop: 26123, Start Num: 34
Candidate Starts for BobSwaget_34:
(Start: 34 @24339 has 36 MA's), (46, 24363), (73, 24453), (75, 24462), (95, 24519), (391, 24867), (392, 24870), (411, 24957), (414, 24975), (421, 24999), (439, 25107), (465, 25200), (472, 25239), (498, 25329), (512, 25389), (527, 25440), (537, 25491), (541, 25512), (568, 25656), (571, 25671), (574, 25689), (605, 25827), (612, 25848), (647, 25920), (656, 25938), (662, 25959), (675, 25980), (684, 26001), (699, 26061), (715, 26106),

Gene: Bobquesha_29 Start: 22017, Stop: 24326, Start Num: 60
Candidate Starts for Bobquesha_29:
(Start: 60 @22017 has 18 MA's), (68, 22047), (72, 22065), (95, 22128), (168, 22269), (183, 22335), (198, 22398), (210, 22449), (212, 22458), (221, 22491), (236, 22539), (254, 22596), (268, 22656), (276, 22668), (281, 22683), (283, 22689), (294, 22722), (309, 22770), (334, 22824), (356, 22896), (404, 23076), (424, 23157), (452, 23310), (464, 23352), (475, 23409), (477, 23421), (499, 23508), (502, 23526), (516, 23592), (521, 23607), (541, 23703), (568, 23856), (571, 23871), (572, 23877), (579, 23907), (580, 23913), (586, 23940), (589, 23952), (607, 24048), (633, 24102), (641, 24123), (686, 24210), (691, 24240), (718, 24318),

Gene: BogosyJay_32 Start: 23933, Stop: 25699, Start Num: 32
Candidate Starts for BogosyJay_32:
(Start: 32 @23933 has 26 MA's), (89, 24098), (95, 24119), (121, 24185), (124, 24197), (130, 24209), (154, 24254), (157, 24263), (160, 24272), (243, 24332), (257, 24341), (335, 24365), (382, 24401), (401, 24494), (411, 24530), (414, 24548), (465, 24773), (469, 24794), (472, 24812), (498, 24902), (511, 24959), (524, 24995), (540, 25082), (564, 25205), (568, 25229), (571, 25244), (585, 25301), (605, 25403), (606, 25406), (647, 25496), (690, 25607), (715, 25682),

Gene: BoostSeason_23 Start: 18687, Stop: 21026, Start Num: 26
Candidate Starts for BoostSeason_23:
(Start: 26 @18687 has 55 MA's), (101, 18927), (166, 19035), (168, 19044), (172, 19065), (176, 19089), (212, 19218), (216, 19230), (236, 19299), (280, 19434), (286, 19452), (294, 19479), (334, 19581), (356, 19653), (365, 19695), (366, 19701), (369, 19710), (371, 19716), (393, 19797), (396, 19818), (411, 19860), (415, 19881), (423, 19911), (436, 19998), (439, 20007), (448, 20043), (462, 20097), (476, 20151), (478, 20163), (498, 20223), (512, 20283), (516, 20301), (526, 20328), (537, 20385), (572, 20574), (582, 20604), (599, 20682), (604, 20703), (613, 20745), (628, 20778), (633, 20787), (641, 20808), (658, 20835), (690, 20916), (697, 20940),

Gene: BourbonZero_20 Start: 19707, Stop: 22217, Start Num: 10
Candidate Starts for BourbonZero_20:
(Start: 10 @19707 has 19 MA's), (16, 19770), (51, 19890), (110, 20076), (151, 20202), (156, 20214), (163, 20232), (172, 20271), (180, 20301), (206, 20388), (224, 20448), (226, 20454), (269, 20595), (273, 20601), (278, 20610), (284, 20628), (302, 20688), (309, 20709), (325, 20760), (326, 20763), (346, 20832), (394, 20985), (417, 21069), (421, 21087), (423, 21096), (443, 21207), (446, 21225), (459, 21279), (471, 21324), (476, 21339), (493, 21387), (512, 21477), (516, 21495), (532, 21546),

(537, 21579), (540, 21597), (541, 21600), (549, 21636), (553, 21666), (555, 21672), (563, 21717), (567, 21741), (568, 21747), (571, 21762), (574, 21780), (584, 21813), (585, 21816), (596, 21867), (610, 21933), (619, 21957), (656, 22032), (673, 22068), (692, 22137),

Gene: BreSam8_33 Start: 23270, Stop: 25027, Start Num: 29
Candidate Starts for BreSam8_33:
(Start: 29 @23270 has 108 MA's), (73, 23405), (95, 23471), (112, 23516), (124, 23552), (173, 23684), (257, 23720), (377, 23741), (394, 23798), (409, 23858), (424, 23912), (432, 23972), (459, 24092), (463, 24095), (478, 24164), (488, 24188), (511, 24281), (516, 24302), (530, 24347), (597, 24677), (612, 24746), (641, 24809), (712, 24980),

Gene: Bryler_26 Start: 20070, Stop: 22406, Start Num: 26
Candidate Starts for Bryler_26:
(Start: 26 @20070 has 55 MA's), (Start: 44 @20118 has 1 MA's), (47, 20127), (79, 20241), (85, 20259), (104, 20310), (166, 20406), (168, 20415), (189, 20505), (192, 20517), (216, 20616), (218, 20625), (246, 20718), (268, 20799), (281, 20829), (286, 20841), (294, 20868), (299, 20883), (305, 20907), (334, 20967), (348, 21012), (356, 21039), (364, 21078), (369, 21096), (373, 21105), (393, 21174), (394, 21177), (396, 21195), (411, 21237), (415, 21258), (423, 21288), (436, 21375), (452, 21438), (459, 21471), (465, 21480), (478, 21543), (495, 21591), (498, 21603), (513, 21672), (524, 21696), (530, 21726), (537, 21765), (572, 21954), (592, 22029), (604, 22083), (633, 22167), (640, 22185), (686, 22272), (690, 22296), (705, 22338), (720, 22398),

Gene: Bugatti_31 Start: 22838, Stop: 24697, Start Num: 202
Candidate Starts for Bugatti_31:
(Start: 202 @22838 has 32 MA's), (248, 22982), (254, 22997), (262, 23039), (305, 23162), (321, 23210), (335, 23252), (337, 23258), (343, 23279), (411, 23519), (418, 23549), (427, 23597), (452, 23723), (465, 23762), (472, 23801), (489, 23858), (498, 23891), (537, 24053), (538, 24056), (549, 24113), (560, 24179), (564, 24194), (606, 24395), (662, 24521), (665, 24524), (695, 24605), (699, 24617), (710, 24644), (715, 24674),

Gene: Bugsy_33 Start: 23267, Stop: 25489, Start Num: 34
Candidate Starts for Bugsy_33:
(Start: 34 @23267 has 36 MA's), (73, 23381), (75, 23390), (77, 23396), (107, 23480), (160, 23618), (170, 23642), (183, 23696), (251, 23846), (280, 23942), (291, 23978), (294, 23987), (411, 24293), (421, 24335), (472, 24575), (498, 24674), (500, 24695), (516, 24752), (529, 24791), (530, 24797), (548, 24893), (549, 24896), (560, 24962), (577, 25046), (595, 25118), (629, 25238), (683, 25349), (695, 25400), (699, 25412),

Gene: BuzzBuzz_32 Start: 23364, Stop: 25115, Start Num: 29
Candidate Starts for BuzzBuzz_32:
(Start: 29 @23364 has 108 MA's), (73, 23499), (95, 23565), (112, 23610), (124, 23646), (169, 23757), (173, 23778), (257, 23814), (377, 23835), (409, 23952), (438, 24090), (459, 24186), (463, 24189), (478, 24258), (488, 24282), (499, 24327), (511, 24375), (530, 24441), (561, 24612), (563, 24618), (572, 24669), (585, 24714), (593, 24744), (604, 24792), (612, 24834), (617, 24849), (619, 24852), (633, 24876), (685, 24978), (686, 24981), (690, 25005),

Gene: Bxz2_32 Start: 23371, Stop: 25122, Start Num: 29
Candidate Starts for Bxz2_32:
(Start: 29 @23371 has 108 MA's), (73, 23506), (95, 23572), (112, 23617), (124, 23653), (169, 23764), (173, 23785), (257, 23821), (377, 23842), (409, 23959), (438, 24097), (459, 24193), (463, 24196), (478, 24265), (488, 24289), (499, 24334), (511, 24382), (530, 24448), (561, 24619), (563, 24625), (572, 24676), (585, 24721), (593, 24751), (604, 24799), (612, 24841), (617, 24856), (619, 24859), (633, 24883), (685, 24985), (686, 24988), (690, 25012),

Gene: CRB1_31 Start: 22754, Stop: 24937, Start Num: 36
Candidate Starts for CRB1_31:
(Start: 36 @22754 has 32 MA's), (46, 22775), (73, 22865), (75, 22874), (85, 22895), (97, 22931), (107, 22958), (120, 22994), (160, 23096), (183, 23174), (241, 23285), (251, 23324), (280, 23420), (290, 23453), (411, 23774), (414, 23792), (415, 23795), (421, 23816), (465, 24017), (472, 24056), (477, 24077), (489, 24113), (498, 24146), (500, 24167), (511, 24203), (530, 24269), (537, 24308), (541, 24329), (560, 24434), (564, 24449), (585, 24542), (604, 24623), (612, 24665), (649, 24734), (662, 24773), (669, 24782), (714, 24914), (715, 24920),

Gene: CRB2_33 Start: 31730, Stop: 34225, Start Num: 22
Candidate Starts for CRB2_33:
(Start: 22 @31730 has 5 MA's), (57, 31832), (59, 31838), (62, 31850), (77, 31907), (88, 31937), (90, 31952), (128, 32057), (157, 32171), (196, 32324), (218, 32405), (219, 32408), (236, 32468), (245, 32495), (279, 32603), (295, 32651), (296, 32654), (301, 32675), (331, 32774), (338, 32789), (378, 32915), (387, 32939), (392, 32960), (411, 33047), (414, 33065), (445, 33224), (465, 33290), (471, 33326), (472, 33329), (476, 33341), (483, 33371), (495, 33407), (498, 33419), (530, 33542), (531, 33545), (532, 33548), (533, 33554), (551, 33656), (560, 33707), (564, 33722), (568, 33746), (582, 33797), (586, 33818), (604, 33899), (606, 33923), (633, 33977), (662, 34049), (686, 34091), (692, 34127), (699, 34145), (710, 34172), (715, 34202),

Gene: CactusJack_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for CactusJack_21:
(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: Cain_26 Start: 20058, Stop: 22394, Start Num: 26
Candidate Starts for Cain_26:
(Start: 26 @20058 has 55 MA's), (Start: 44 @20106 has 1 MA's), (47, 20115), (79, 20229), (85, 20247), (104, 20298), (166, 20394), (168, 20403), (189, 20493), (192, 20505), (216, 20604), (218, 20613), (246, 20706), (268, 20787), (281, 20817), (286, 20829), (294, 20856), (299, 20871), (305, 20895), (334, 20955), (348, 21000), (356, 21027), (364, 21066), (369, 21084), (373, 21093), (393, 21162), (394, 21165), (396, 21183), (411, 21225), (415, 21246), (423, 21276), (436, 21363), (452, 21426), (459, 21459), (465, 21468), (478, 21531), (495, 21579), (498, 21591), (513, 21660), (524, 21684), (530, 21714), (537, 21753), (572, 21942), (592, 22017), (604, 22071), (633, 22155), (640, 22173), (686, 22260), (690, 22284), (705, 22326), (720, 22386),

Gene: Calvinny_34 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Calvinny_34:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (160, 23733), (170, 23757), (181, 23802), (187, 23832), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: Catalina_34 Start: 24377, Stop: 26143, Start Num: 32

Candidate Starts for Catalina_34:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: Caviar_32 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for Caviar_32:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Centaur_33 Start: 23215, Stop: 25422, Start Num: 34
Candidate Starts for Centaur_33:
(Start: 34 @23215 has 36 MA's), (73, 23329), (75, 23338), (77, 23344), (85, 23365), (97, 23401), (124, 23476), (160, 23566), (168, 23578), (241, 23755), (251, 23794), (280, 23890), (374, 24103), (391, 24151), (411, 24241), (418, 24271), (421, 24283), (472, 24523), (498, 24622), (500, 24643), (527, 24733), (529, 24739), (530, 24745), (537, 24784), (541, 24805), (548, 24841), (549, 24844), (560, 24910), (606, 25126), (629, 25174), (660, 25237), (687, 25297), (699, 25345), (715, 25399),

Gene: Chancellor_28 Start: 22283, Stop: 24592, Start Num: 60
Candidate Starts for Chancellor_28:
(Start: 60 @22283 has 18 MA's), (95, 22394), (102, 22418), (168, 22535), (198, 22664), (210, 22715), (212, 22724), (221, 22757), (233, 22796), (236, 22805), (254, 22862), (257, 22871), (268, 22922), (276, 22934), (281, 22949), (283, 22955), (294, 22988), (309, 23036), (334, 23090), (356, 23162), (364, 23201), (367, 23213), (373, 23228), (390, 23273), (404, 23342), (424, 23423), (452, 23576), (475, 23675), (477, 23687), (502, 23792), (516, 23858), (521, 23873), (541, 23969), (568, 24122), (571, 24137), (572, 24143), (577, 24167), (586, 24206), (589, 24218), (607, 24314), (633, 24368), (641, 24389), (686, 24476), (691, 24506), (718, 24584),

Gene: Changeling_34 Start: 25115, Stop: 26890, Start Num: 36
Candidate Starts for Changeling_34:
(15, 25016), (Start: 36 @25115 has 32 MA's), (73, 25226), (75, 25235), (107, 25319), (120, 25355), (124, 25367), (130, 25379), (170, 25481), (235, 25505), (333, 25556), (338, 25568), (406, 25703), (411, 25724), (414, 25742), (421, 25766), (465, 25967), (472, 26006), (489, 26063), (498, 26096), (511, 26153), (527, 26207), (540, 26276), (560, 26384), (564, 26399), (571, 26438), (605, 26594), (647, 26687), (684, 26768), (699, 26828), (715, 26873),

Gene: Chavito_27 Start: 20243, Stop: 22753, Start Num: 26
Candidate Starts for Chavito_27:
(Start: 26 @20243 has 55 MA's), (Start: 44 @20291 has 1 MA's), (79, 20414), (99, 20465), (104, 20483), (153, 20549), (170, 20603), (189, 20681), (198, 20720), (211, 20777), (221, 20813), (238, 20864), (250, 20894), (255, 20909), (260, 20933), (267, 20963), (268, 20966), (276, 20978), (280, 20987), (281, 20993), (294, 21032), (340, 21185), (351, 21230), (369, 21302), (389, 21356), (393, 21377), (395, 21389), (416, 21497), (428, 21560), (437, 21614), (446, 21665), (451, 21686), (474, 21785), (498, 21863), (502, 21887), (503, 21893), (515, 21950), (539, 22052), (549, 22109), (554, 22142), (556, 22160), (563, 22199), (572, 22250), (608, 22415), (634, 22469), (640, 22484), (661, 22526), (684, 22583), (688, 22601), (695, 22631), (701, 22649),

Gene: Cheetobro_28 Start: 22280, Stop: 24589, Start Num: 60
Candidate Starts for Cheetobro_28:

(Start: 60 @22280 has 18 MA's), (95, 22391), (102, 22415), (168, 22532), (198, 22661), (210, 22712), (212, 22721), (221, 22754), (233, 22793), (236, 22802), (254, 22859), (257, 22868), (268, 22919), (276, 22931), (281, 22946), (283, 22952), (294, 22985), (309, 23033), (334, 23087), (356, 23159), (364, 23198), (367, 23210), (373, 23225), (390, 23270), (404, 23339), (424, 23420), (452, 23573), (475, 23672), (477, 23684), (502, 23789), (516, 23855), (521, 23870), (541, 23966), (568, 24119), (571, 24134), (572, 24140), (577, 24164), (586, 24203), (589, 24215), (607, 24311), (633, 24365), (641, 24386), (686, 24473), (691, 24503), (718, 24581),

Gene: ChipMunk_33 Start: 23177, Stop: 25654, Start Num: 36
Candidate Starts for ChipMunk_33:
(Start: 36 @23177 has 32 MA's), (46, 23198), (73, 23288), (104, 23387), (122, 23435), (153, 23567), (215, 23813), (222, 23840), (229, 23855), (249, 23930), (292, 24071), (314, 24143), (343, 24245), (360, 24287), (406, 24455), (415, 24497), (421, 24518), (440, 24629), (442, 24632), (454, 24689), (471, 24755), (472, 24758), (476, 24770), (485, 24812), (489, 24821), (498, 24854), (511, 24911), (537, 25016), (541, 25037), (549, 25076), (577, 25226), (582, 25232), (584, 25247), (586, 25253), (594, 25286), (595, 25298), (598, 25307), (602, 25328), (625, 25397), (671, 25496), (681, 25523), (682, 25526), (695, 25580), (706, 25607),

Gene: Chiqui_30 Start: 23109, Stop: 24977, Start Num: 202
Candidate Starts for Chiqui_30:
(Start: 202 @23109 has 32 MA's), (248, 23253), (262, 23310), (337, 23538), (342, 23556), (343, 23559), (350, 23586), (371, 23655), (375, 23661), (411, 23799), (414, 23817), (421, 23841), (472, 24081), (498, 24171), (540, 24351), (549, 24393), (560, 24459), (564, 24474), (602, 24645), (606, 24675), (665, 24804), (699, 24897), (710, 24924), (714, 24948), (715, 24954),

Gene: Chupacabra_32 Start: 23269, Stop: 25104, Start Num: 29
Candidate Starts for Chupacabra_32:
(Start: 29 @23269 has 108 MA's), (45, 23302), (52, 23317), (160, 23629), (170, 23653), (173, 23671), (174, 23674), (175, 23677), (181, 23698), (185, 23725), (411, 23938), (414, 23956), (421, 23980), (445, 24115), (448, 24124), (472, 24220), (489, 24277), (498, 24310), (527, 24421), (540, 24490), (560, 24598), (564, 24613), (571, 24652), (572, 24658), (590, 24724), (604, 24787), (605, 24808), (606, 24811), (608, 24817), (612, 24829), (640, 24886), (647, 24901), (651, 24910), (684, 24982), (699, 25042), (715, 25087), (716, 25090),

Gene: Clammy_31 Start: 22838, Stop: 24697, Start Num: 202
Candidate Starts for Clammy_31:
(Start: 202 @22838 has 32 MA's), (248, 22982), (254, 22997), (262, 23039), (305, 23162), (321, 23210), (335, 23252), (337, 23258), (343, 23279), (411, 23519), (418, 23549), (427, 23597), (452, 23723), (465, 23762), (472, 23801), (489, 23858), (498, 23891), (537, 24053), (538, 24056), (549, 24113), (560, 24179), (564, 24194), (606, 24395), (662, 24521), (665, 24524), (695, 24605), (699, 24617), (710, 24644), (715, 24674),

Gene: Clautastrophe_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for Clautastrophe_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: ClownCar_34 Start: 23353, Stop: 25161, Start Num: 29
Candidate Starts for ClownCar_34:
(Start: 29 @23353 has 108 MA's), (73, 23488), (95, 23554), (112, 23599), (124, 23635), (160, 23725), (170, 23749), (181, 23794), (187, 23824), (411, 23992), (414, 24010), (421, 24034), (452, 24196), (465, 24235), (472, 24274), (498, 24364), (537, 24526), (541, 24547), (557, 24634), (568, 24691), (571, 24706), (587, 24769), (604, 24844), (605, 24865), (647, 24958), (662, 24997), (684, 25039), (714, 25138),

Gene: Colbster_33 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for Colbster_33:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Colin_35 Start: 24479, Stop: 26257, Start Num: 33
Candidate Starts for Colin_35:
(Start: 33 @24479 has 2 MA's), (73, 24593), (75, 24602), (124, 24734), (391, 25001), (411, 25091), (414, 25109), (421, 25133), (465, 25334), (472, 25373), (498, 25463), (511, 25520), (527, 25574), (540, 25643), (563, 25760), (571, 25805), (575, 25823), (604, 25940), (605, 25961), (612, 25982), (647, 26054), (684, 26135), (690, 26165), (699, 26195), (715, 26240),

Gene: Conquerage_33 Start: 24407, Stop: 26173, Start Num: 32
Candidate Starts for Conquerage_33:
(Start: 32 @24407 has 26 MA's), (95, 24593), (130, 24683), (154, 24728), (157, 24737), (257, 24815), (335, 24839), (382, 24875), (411, 25004), (414, 25022), (465, 25247), (469, 25268), (472, 25286), (498, 25376), (511, 25433), (540, 25556), (564, 25679), (571, 25718), (585, 25775), (604, 25856), (605, 25877), (606, 25880), (647, 25970), (690, 26081), (715, 26156),

Gene: Cracklewink_27 Start: 23567, Stop: 26155, Start Num: 20
Candidate Starts for Cracklewink_27:
(Start: 20 @23567 has 5 MA's), (80, 23756), (88, 23777), (96, 23807), (116, 23870), (132, 23936), (133, 23939), (146, 23981), (164, 24032), (172, 24068), (182, 24107), (213, 24242), (239, 24320), (240, 24323), (260, 24404), (266, 24434), (281, 24470), (294, 24509), (298, 24521), (307, 24551), (310, 24557), (313, 24569), (317, 24578), (321, 24590), (329, 24614), (338, 24638), (362, 24731), (370, 24764), (375, 24767), (393, 24842), (395, 24854), (411, 24938), (456, 25184), (459, 25190), (474, 25247), (498, 25328), (510, 25376), (535, 25490), (549, 25556), (563, 25643), (568, 25673), (578, 25724), (596, 25796), (602, 25820), (604, 25826), (605, 25847), (611, 25865), (644, 25934), (683, 26009), (691, 26048), (692, 26054), (695, 26060), (715, 26138), (718, 26147),

Gene: Croquant_34 Start: 23275, Stop: 25032, Start Num: 29
Candidate Starts for Croquant_34:
(Start: 29 @23275 has 108 MA's), (73, 23410), (95, 23476), (112, 23521), (124, 23557), (173, 23689), (257, 23725), (377, 23746), (394, 23803), (409, 23863), (424, 23917), (432, 23977), (459, 24097), (463, 24100), (478, 24169), (488, 24193), (511, 24286), (516, 24307), (530, 24352), (597, 24682), (612, 24751), (641, 24814), (712, 24985),

Gene: Crucio_31 Start: 22638, Stop: 24842, Start Num: 36
Candidate Starts for Crucio_31:
(Start: 36 @22638 has 32 MA's), (46, 22659), (77, 22764), (107, 22848), (120, 22884), (160, 22986), (168, 22998), (241, 23175), (280, 23310), (300, 23373), (411, 23664), (414, 23682), (421, 23706), (446, 23844), (465, 23907), (472, 23946), (498, 24036), (511, 24093), (529, 24153), (537, 24198),

(541, 24219), (564, 24339), (568, 24363), (577, 24408), (595, 24480), (606, 24540), (686, 24711), (699, 24765), (711, 24792), (715, 24819),

Gene: Cullens_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for Cullens_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: Curiosium_28 Start: 20582, Stop: 23062, Start Num: 54
Candidate Starts for Curiosium_28:
(Start: 54 @20582 has 1 MA's), (103, 20753), (123, 20810), (135, 20861), (161, 20945), (179, 21017), (195, 21077), (200, 21098), (205, 21125), (212, 21149), (222, 21185), (241, 21230), (242, 21233), (266, 21332), (267, 21335), (282, 21371), (299, 21422), (315, 21476), (324, 21509), (359, 21635), (361, 21644), (393, 21767), (395, 21779), (413, 21878), (428, 21947), (433, 21980), (457, 22109), (461, 22115), (475, 22172), (479, 22190), (508, 22304), (513, 22331), (517, 22343), (520, 22358), (527, 22385), (531, 22400), (537, 22436), (538, 22439), (558, 22556), (560, 22571), (586, 22712), (608, 22820), (638, 22859), (639, 22862), (653, 22886), (689, 22964), (704, 23009), (712, 23027),

Gene: DaHudson_33 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for DaHudson_33:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: Daishi_32 Start: 22205, Stop: 23956, Start Num: 29
Candidate Starts for Daishi_32:
(Start: 29 @22205 has 108 MA's), (73, 22340), (95, 22406), (112, 22451), (124, 22487), (169, 22598), (173, 22619), (257, 22655), (377, 22676), (409, 22793), (438, 22931), (459, 23027), (463, 23030), (478, 23099), (488, 23123), (499, 23168), (511, 23216), (530, 23282), (561, 23453), (563, 23459), (572, 23510), (585, 23555), (593, 23585), (604, 23633), (612, 23675), (617, 23690), (619, 23693), (633, 23717), (685, 23819), (686, 23822), (690, 23846),

Gene: Dalmatian_31 Start: 22845, Stop: 25049, Start Num: 36
Candidate Starts for Dalmatian_31:
(Start: 36 @22845 has 32 MA's), (46, 22866), (107, 23055), (120, 23091), (160, 23193), (168, 23205), (220, 23316), (241, 23382), (280, 23517), (411, 23871), (421, 23913), (446, 24051), (465, 24114), (472, 24153), (498, 24243), (511, 24300), (529, 24360), (537, 24405), (541, 24426), (564, 24546), (568, 24570), (577, 24615), (595, 24687), (606, 24747), (686, 24918), (699, 24972), (711, 24999), (715, 25026),

Gene: Darrell_33 Start: 24371, Stop: 26137, Start Num: 32
Candidate Starts for Darrell_33:
(Start: 32 @24371 has 26 MA's), (95, 24557), (121, 24623), (130, 24647), (154, 24692), (157, 24701), (243, 24770), (257, 24779), (382, 24839), (392, 24881), (402, 24935), (411, 24968), (414, 24986), (421, 25010), (422, 25016), (455, 25184), (465, 25211), (472, 25250), (498, 25340), (511, 25397), (540, 25520), (548, 25559), (564, 25643), (571, 25682), (604, 25820), (605, 25841), (606, 25844), (610, 25856), (633, 25901), (684, 26015), (690, 26045), (715, 26120),

Gene: DarthP_26 Start: 21319, Stop: 23703, Start Num: 26
Candidate Starts for DarthP_26:

(Start: 26 @21319 has 55 MA's), (Start: 29 @21328 has 108 MA's), (Start: 44 @21367 has 1 MA's), (79, 21490), (101, 21547), (104, 21559), (153, 21625), (170, 21679), (189, 21757), (210, 21847), (221, 21889), (238, 21940), (254, 21982), (255, 21985), (259, 22006), (280, 22066), (281, 22072), (340, 22264), (369, 22381), (394, 22450), (405, 22489), (412, 22519), (441, 22663), (473, 22798), (474, 22801), (475, 22804), (487, 22843), (502, 22897), (534, 23038), (535, 23044), (539, 23059), (560, 23188), (562, 23194), (583, 23290), (586, 23299), (592, 23323), (595, 23344), (680, 23551), (684, 23566), (685, 23569), (716, 23677),

Gene: Dartin_27 Start: 20230, Stop: 22731, Start Num: 26
Candidate Starts for Dartin_27:
(Start: 26 @20230 has 55 MA's), (Start: 44 @20278 has 1 MA's), (61, 20329), (79, 20401), (99, 20452), (104, 20470), (117, 20503), (147, 20524), (153, 20536), (170, 20590), (189, 20668), (198, 20707), (211, 20764), (221, 20800), (238, 20851), (250, 20881), (255, 20896), (260, 20920), (268, 20953), (280, 20974), (281, 20980), (294, 21019), (340, 21172), (348, 21205), (351, 21217), (366, 21280), (393, 21364), (428, 21547), (437, 21601), (446, 21643), (497, 21835), (498, 21841), (502, 21865), (515, 21928), (526, 21967), (539, 22030), (549, 22087), (554, 22120), (556, 22138), (563, 22177), (570, 22216), (571, 22222), (584, 22279), (608, 22393), (634, 22447), (640, 22462), (655, 22492), (661, 22504), (684, 22561), (688, 22579), (695, 22609), (701, 22627), (717, 22708),

Gene: DeerParkTS_33 Start: 23331, Stop: 25694, Start Num: 1
Candidate Starts for DeerParkTS_33:
(1, 23331), (2, 23352), (3, 23442), (4, 23451), (5, 23700), (53, 23949), (123, 24174), (236, 24318), (411, 24528), (414, 24546), (421, 24570), (465, 24771), (472, 24810), (489, 24867), (498, 24900), (511, 24957), (540, 25080), (546, 25110), (564, 25203), (571, 25242), (572, 25248), (585, 25296), (604, 25377), (612, 25419), (647, 25491), (684, 25572), (715, 25677), (718, 25686),

Gene: Deloris_32 Start: 23191, Stop: 25377, Start Num: 36
Candidate Starts for Deloris_32:
(Start: 36 @23191 has 32 MA's), (46, 23212), (73, 23302), (85, 23332), (107, 23395), (120, 23431), (142, 23485), (175, 23581), (183, 23611), (214, 23743), (241, 23833), (245, 23848), (280, 23968), (290, 24001), (293, 24010), (411, 24205), (414, 24223), (465, 24451), (472, 24490), (489, 24547), (498, 24580), (500, 24601), (511, 24637), (529, 24697), (537, 24742), (541, 24763), (543, 24772), (564, 24883), (568, 24907), (571, 24922), (572, 24928), (604, 25060), (643, 25162), (649, 25174), (662, 25213), (714, 25354), (716, 25363),

Gene: Dieselweasel_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for Dieselweasel_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: Dignity_33 Start: 23212, Stop: 25416, Start Num: 34
Candidate Starts for Dignity_33:
(Start: 34 @23212 has 36 MA's), (73, 23326), (75, 23335), (77, 23341), (107, 23425), (160, 23563), (170, 23587), (183, 23641), (241, 23752), (280, 23887), (293, 23929), (315, 24001), (406, 24220), (411, 24241), (414, 24259), (421, 24283), (439, 24391), (465, 24484), (472, 24523), (498, 24613), (511, 24670), (512, 24673), (529, 24730), (530, 24736), (537, 24775), (541, 24796), (577, 24985), (586, 25012), (630, 25165), (640, 25189), (664, 25243), (666, 25246), (686, 25285), (687, 25291), (699, 25339),

Gene: DismalFunk_23 Start: 18661, Stop: 21000, Start Num: 26
Candidate Starts for DismalFunk_23:

(Start: 26 @18661 has 55 MA's), (79, 18832), (85, 18850), (91, 18874), (168, 19018), (174, 19051),
(209, 19180), (211, 19189), (216, 19204), (219, 19216), (221, 19225), (236, 19273), (262, 19369),
(268, 19387), (280, 19408), (294, 19453), (334, 19555), (356, 19627), (365, 19669), (366, 19675),
(369, 19684), (393, 19771), (396, 19792), (411, 19834), (415, 19855), (436, 19972), (439, 19981),
(462, 20071), (476, 20125), (478, 20137), (486, 20161), (516, 20275), (526, 20302), (537, 20359),
(549, 20416), (572, 20548), (582, 20578), (593, 20629), (596, 20647), (604, 20677), (621, 20731),
(633, 20761), (641, 20782), (697, 20914),

Gene: DismalStressor_23 Start: 18661, Stop: 21000, Start Num: 26
Candidate Starts for DismalStressor_23:
(Start: 26 @18661 has 55 MA's), (79, 18832), (85, 18850), (91, 18874), (168, 19018), (174, 19051),
(209, 19180), (211, 19189), (216, 19204), (219, 19216), (221, 19225), (236, 19273), (262, 19369),
(268, 19387), (280, 19408), (294, 19453), (334, 19555), (356, 19627), (365, 19669), (366, 19675),
(369, 19684), (393, 19771), (396, 19792), (411, 19834), (415, 19855), (436, 19972), (439, 19981),
(462, 20071), (476, 20125), (478, 20137), (486, 20161), (516, 20275), (526, 20302), (537, 20359),
(549, 20416), (572, 20548), (582, 20578), (593, 20629), (596, 20647), (604, 20677), (621, 20731),
(633, 20761), (641, 20782), (697, 20914),

Gene: DontArgue_31 Start: 21656, Stop: 23866, Start Num: 29
Candidate Starts for DontArgue_31:
(Start: 29 @21656 has 108 MA's), (45, 21689), (91, 21839), (144, 21971), (170, 22040), (175, 22064),
(181, 22085), (183, 22094), (188, 22118), (Start: 201 @22178 has 1 MA's), (223, 22241), (249, 22331),
(308, 22466), (375, 22562), (387, 22592), (411, 22700), (412, 22709), (421, 22742), (423, 22751),
(465, 22943), (469, 22964), (472, 22982), (489, 23039), (498, 23072), (511, 23129), (529, 23189),
(537, 23234), (541, 23255), (542, 23258), (546, 23282), (559, 23348), (560, 23360), (568, 23399),
(590, 23486), (606, 23573), (633, 23630), (640, 23648), (647, 23663), (662, 23702),

Gene: Doughnut_23 Start: 18681, Stop: 21020, Start Num: 26
Candidate Starts for Doughnut_23:
(Start: 26 @18681 has 55 MA's), (101, 18921), (166, 19029), (168, 19038), (172, 19059), (176, 19083),
(212, 19212), (216, 19224), (236, 19293), (280, 19428), (286, 19446), (294, 19473), (334, 19575),
(356, 19647), (365, 19689), (366, 19695), (369, 19704), (371, 19710), (393, 19791), (396, 19812),
(411, 19854), (415, 19875), (423, 19905), (436, 19992), (439, 20001), (448, 20037), (462, 20091),
(476, 20145), (478, 20157), (498, 20217), (512, 20277), (516, 20295), (526, 20322), (537, 20379),
(572, 20568), (582, 20598), (599, 20676), (604, 20697), (613, 20739), (628, 20772), (633, 20781),
(641, 20802), (658, 20829), (690, 20910), (697, 20934),

Gene: Drake55_33 Start: 23226, Stop: 25310, Start Num: 34
Candidate Starts for Drake55_33:
(Start: 34 @23226 has 36 MA's), (73, 23340), (77, 23355), (85, 23376), (114, 23454), (160, 23577),
(183, 23655), (241, 23766), (246, 23787), (280, 23901), (291, 23937), (411, 24138), (414, 24156),
(421, 24180), (438, 24279), (465, 24381), (472, 24420), (476, 24432), (498, 24510), (529, 24627),
(530, 24633), (541, 24693), (560, 24798), (564, 24813), (595, 24954), (596, 24957), (605, 25008),
(610, 25023), (620, 25047), (644, 25101), (654, 25125), (692, 25230), (716, 25296),

Gene: Drake94_31 Start: 21398, Stop: 23680, Start Num: 29
Candidate Starts for Drake94_31:
(Start: 29 @21398 has 108 MA's), (45, 21431), (71, 21515), (91, 21581), (144, 21713), (181, 21827),
(183, 21836), (Start: 201 @21920 has 1 MA's), (228, 21995), (249, 22073), (267, 22148), (300, 22238),
(370, 22364), (411, 22511), (414, 22529), (421, 22553), (465, 22754), (472, 22793), (498, 22883),
(511, 22940), (527, 22994), (537, 23045), (541, 23066), (543, 23075), (546, 23093), (549, 23105),
(568, 23210), (571, 23225), (572, 23231), (582, 23264), (604, 23363), (605, 23384), (606, 23387),
(633, 23444), (640, 23462), (641, 23465), (647, 23477), (662, 23516), (684, 23558), (685, 23561),

(715, 23663),

Gene: DropBear_31 Start: 22899, Stop: 24758, Start Num: 202
Candidate Starts for DropBear_31:
(Start: 202 @22899 has 32 MA's), (243, 23025), (245, 23034), (262, 23100), (268, 23121), (287, 23163), (337, 23319), (350, 23367), (371, 23436), (375, 23442), (387, 23472), (411, 23580), (414, 23598), (421, 23622), (472, 23862), (498, 23952), (529, 24069), (549, 24174), (560, 24240), (564, 24255), (602, 24426), (641, 24531), (665, 24585), (686, 24624), (699, 24678), (710, 24705), (714, 24729),

Gene: DudeLittle_31 Start: 22847, Stop: 25045, Start Num: 36
Candidate Starts for DudeLittle_31:
(Start: 36 @22847 has 32 MA's), (46, 22868), (77, 22973), (107, 23057), (120, 23093), (160, 23195), (168, 23207), (220, 23318), (241, 23384), (280, 23519), (291, 23555), (300, 23582), (391, 23780), (411, 23867), (414, 23885), (421, 23909), (426, 23939), (465, 24110), (476, 24161), (498, 24239), (511, 24296), (537, 24401), (541, 24422), (544, 24434), (560, 24527), (564, 24542), (577, 24611), (586, 24638), (629, 24791), (640, 24815), (699, 24968), (713, 25007),

Gene: DuncansLeg_21 Start: 19709, Stop: 22222, Start Num: 10
Candidate Starts for DuncansLeg_21:
(Start: 10 @19709 has 19 MA's), (16, 19772), (30, 19841), (31, 19844), (84, 20012), (151, 20204), (163, 20234), (172, 20273), (180, 20303), (200, 20360), (206, 20390), (208, 20396), (224, 20450), (226, 20456), (271, 20603), (273, 20606), (278, 20615), (284, 20633), (302, 20693), (309, 20714), (325, 20765), (326, 20768), (332, 20795), (380, 20933), (394, 20990), (417, 21074), (421, 21092), (423, 21101), (432, 21164), (446, 21230), (459, 21284), (471, 21329), (476, 21344), (493, 21392), (512, 21482), (516, 21500), (530, 21545), (532, 21551), (537, 21584), (540, 21602), (549, 21641), (555, 21677), (563, 21722), (567, 21746), (571, 21767), (574, 21785), (584, 21818), (602, 21896), (608, 21932), (619, 21962), (656, 22037), (673, 22073), (691, 22136), (692, 22142),

Gene: DustyMartin_37 Start: 23534, Stop: 25366, Start Num: 29
Candidate Starts for DustyMartin_37:
(Start: 29 @23534 has 108 MA's), (45, 23567), (91, 23717), (101, 23744), (170, 23918), (174, 23939), (175, 23942), (411, 24203), (414, 24221), (472, 24482), (489, 24539), (498, 24572), (527, 24683), (540, 24752), (559, 24848), (560, 24860), (564, 24875), (568, 24899), (571, 24914), (572, 24920), (577, 24944), (590, 24986), (600, 25031), (604, 25049), (606, 25073), (640, 25148), (647, 25163), (651, 25172), (662, 25202), (684, 25244), (715, 25349), (716, 25352),

Gene: Dynamo_21 Start: 19047, Stop: 21686, Start Num: 9
Candidate Starts for Dynamo_21:
(Start: 9 @19047 has 17 MA's), (11, 19056), (Start: 41 @19200 has 2 MA's), (130, 19473), (132, 19482), (133, 19485), (139, 19506), (145, 19518), (146, 19527), (153, 19551), (170, 19605), (188, 19683), (195, 19713), (203, 19749), (208, 19770), (212, 19785), (226, 19827), (240, 19860), (260, 19935), (264, 19959), (266, 19965), (272, 19977), (287, 20019), (289, 20025), (318, 20112), (357, 20244), (362, 20262), (370, 20295), (386, 20322), (393, 20373), (431, 20583), (444, 20649), (451, 20685), (476, 20784), (478, 20796), (498, 20859), (535, 21021), (539, 21036), (549, 21087), (568, 21204), (576, 21249), (589, 21291), (596, 21327), (606, 21381), (628, 21429), (690, 21573), (707, 21630), (715, 21669), (718, 21678),

Gene: EZMoney23_35 Start: 24766, Stop: 26544, Start Num: 36
Candidate Starts for EZMoney23_35:
(Start: 36 @24766 has 32 MA's), (46, 24787), (73, 24877), (75, 24886), (107, 24970), (130, 25030), (257, 25186), (391, 25285), (411, 25375), (414, 25393), (421, 25417), (465, 25618), (472, 25657), (498, 25747), (511, 25804), (564, 26050), (571, 26089), (585, 26146), (604, 26227), (605, 26248),

(647, 26341), (684, 26422),

Gene: Eaglepride_34 Start: 23450, Stop: 25285, Start Num: 29
Candidate Starts for Eaglepride_34:
(Start: 29 @23450 has 108 MA's), (45, 23483), (46, 23486), (101, 23660), (124, 23720), (175, 23858), (181, 23879), (185, 23906), (375, 23981), (379, 23987), (392, 24032), (407, 24104), (411, 24119), (414, 24137), (469, 24383), (472, 24401), (489, 24458), (498, 24491), (500, 24512), (511, 24548), (527, 24602), (537, 24653), (541, 24674), (559, 24767), (564, 24794), (568, 24818), (571, 24833), (572, 24839), (604, 24968), (605, 24989), (606, 24992), (640, 25067), (647, 25082), (651, 25091), (662, 25121), (684, 25163), (690, 25193), (699, 25223), (715, 25268),

Gene: Echild_31 Start: 22854, Stop: 25181, Start Num: 34
Candidate Starts for Echild_31:
(Start: 34 @22854 has 36 MA's), (46, 22878), (75, 22977), (77, 22983), (88, 23010), (107, 23067), (120, 23103), (142, 23157), (152, 23184), (160, 23205), (170, 23229), (183, 23283), (241, 23394), (280, 23529), (290, 23562), (345, 23748), (411, 24000), (414, 24018), (421, 24042), (465, 24243), (472, 24282), (498, 24372), (511, 24429), (529, 24489), (537, 24534), (541, 24555), (564, 24675), (568, 24699), (577, 24744), (586, 24777), (631, 24933), (683, 25044), (699, 25104), (715, 25158), (718, 25167),

Gene: Edison31_33 Start: 23483, Stop: 25318, Start Num: 29
Candidate Starts for Edison31_33:
(Start: 29 @23483 has 108 MA's), (45, 23516), (101, 23693), (173, 23885), (175, 23891), (181, 23912), (185, 23939), (402, 24119), (411, 24152), (414, 24170), (421, 24194), (439, 24302), (455, 24368), (472, 24434), (489, 24491), (498, 24524), (511, 24581), (527, 24635), (531, 24650), (540, 24704), (560, 24812), (564, 24827), (568, 24851), (571, 24866), (600, 24983), (604, 25001), (605, 25022), (606, 25025), (640, 25100), (647, 25115), (684, 25196), (690, 25226), (699, 25256), (715, 25301), (716, 25304),

Gene: EdogawaKiddo_31 Start: 24389, Stop: 26143, Start Num: 38
Candidate Starts for EdogawaKiddo_31:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (438, 25115), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (640, 25925), (647, 25940), (690, 26051), (715, 26126),

Gene: Eidsmoe_33 Start: 24443, Stop: 26209, Start Num: 32
Candidate Starts for Eidsmoe_33:
(Start: 32 @24443 has 26 MA's), (95, 24629), (130, 24719), (154, 24764), (157, 24773), (257, 24851), (335, 24875), (382, 24911), (411, 25040), (414, 25058), (465, 25283), (469, 25304), (472, 25322), (498, 25412), (511, 25469), (540, 25592), (564, 25715), (571, 25754), (585, 25811), (604, 25892), (605, 25913), (606, 25916), (647, 26006), (690, 26117), (715, 26192),

Gene: Ekdilam_24 Start: 21084, Stop: 23462, Start Num: 26
Candidate Starts for Ekdilam_24:
(Start: 26 @21084 has 55 MA's), (Start: 29 @21093 has 108 MA's), (Start: 44 @21132 has 1 MA's), (79, 21255), (104, 21324), (170, 21444), (210, 21612), (221, 21654), (238, 21705), (254, 21747), (255, 21750), (259, 21771), (281, 21837), (311, 21933), (340, 22029), (352, 22077), (369, 22146), (394, 22215), (405, 22254), (412, 22284), (441, 22428), (473, 22563), (474, 22566), (475, 22569), (487, 22608), (502, 22662), (516, 22725), (534, 22803), (535, 22809), (539, 22824), (540, 22836), (547, 22866), (560, 22953), (562, 22959), (586, 23064), (592, 23088), (595, 23109), (605, 23163), (615, 23193), (634, 23223), (677, 23304), (684, 23325), (685, 23328), (716, 23436),

Gene: Elephantoon_32 Start: 23816, Stop: 25582, Start Num: 32
Candidate Starts for Elephantoon_32:
(Start: 32 @23816 has 26 MA's), (95, 24002), (130, 24092), (154, 24137), (157, 24146), (243, 24215), (257, 24224), (335, 24248), (382, 24284), (392, 24326), (402, 24380), (411, 24413), (414, 24431), (421, 24455), (422, 24461), (455, 24629), (465, 24656), (472, 24695), (498, 24785), (511, 24842), (530, 24908), (540, 24965), (548, 25004), (564, 25088), (571, 25127), (604, 25265), (605, 25286), (606, 25289), (647, 25379), (684, 25460), (715, 25565),

Gene: Ellie_24 Start: 21059, Stop: 23461, Start Num: 26
Candidate Starts for Ellie_24:
(Start: 26 @21059 has 55 MA's), (39, 21089), (Start: 44 @21107 has 1 MA's), (69, 21191), (153, 21365), (189, 21497), (210, 21587), (221, 21629), (238, 21680), (254, 21722), (255, 21725), (268, 21782), (280, 21806), (281, 21812), (294, 21851), (311, 21908), (340, 22004), (369, 22121), (394, 22190), (405, 22229), (412, 22259), (423, 22301), (441, 22403), (473, 22538), (474, 22541), (475, 22544), (487, 22583), (502, 22637), (534, 22775), (535, 22781), (539, 22796), (540, 22808), (547, 22838), (560, 22925), (562, 22931), (570, 22973), (595, 23081), (605, 23135), (641, 23231), (644, 23237), (654, 23255), (670, 23291), (672, 23294), (676, 23303), (684, 23327), (689, 23354),

Gene: Ellson_21 Start: 19717, Stop: 22227, Start Num: 10
Candidate Starts for Ellson_21:
(Start: 10 @19717 has 19 MA's), (16, 19780), (51, 19900), (110, 20086), (151, 20212), (156, 20224), (163, 20242), (172, 20281), (180, 20311), (206, 20398), (224, 20458), (226, 20464), (269, 20605), (273, 20611), (278, 20620), (284, 20638), (302, 20698), (309, 20719), (325, 20770), (326, 20773), (346, 20842), (394, 20995), (417, 21079), (421, 21097), (423, 21106), (443, 21217), (446, 21235), (459, 21289), (471, 21334), (476, 21349), (493, 21397), (512, 21487), (516, 21505), (532, 21556), (537, 21589), (540, 21607), (549, 21646), (555, 21682), (563, 21727), (567, 21751), (571, 21772), (574, 21790), (584, 21823), (585, 21826), (596, 21877), (610, 21943), (619, 21967), (656, 22042), (673, 22078), (692, 22147),

Gene: EmyBug_33 Start: 24443, Stop: 26209, Start Num: 32
Candidate Starts for EmyBug_33:
(Start: 32 @24443 has 26 MA's), (95, 24629), (130, 24719), (154, 24764), (157, 24773), (257, 24851), (335, 24875), (382, 24911), (411, 25040), (414, 25058), (465, 25283), (469, 25304), (472, 25322), (498, 25412), (511, 25469), (540, 25592), (564, 25715), (571, 25754), (585, 25811), (604, 25892), (605, 25913), (606, 25916), (647, 26006), (690, 26117), (715, 26192),

Gene: Enkosi_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Enkosi_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: EpicPhail_33 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for EpicPhail_33:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684),

(612, 24753), (641, 24816), (712, 24987),

Gene: Equemioh13_33 Start: 23218, Stop: 25425, Start Num: 34
Candidate Starts for Equemioh13_33:
(Start: 34 @23218 has 36 MA's), (73, 23332), (75, 23341), (77, 23347), (85, 23368), (124, 23479), (160, 23569), (168, 23581), (241, 23758), (251, 23797), (280, 23893), (391, 24154), (411, 24244), (418, 24274), (421, 24286), (463, 24484), (498, 24625), (500, 24646), (527, 24736), (529, 24742), (530, 24748), (537, 24787), (541, 24808), (548, 24844), (549, 24847), (560, 24913), (564, 24928), (565, 24931), (568, 24952), (574, 24985), (606, 25129), (629, 25177), (660, 25240), (687, 25300), (699, 25348), (715, 25402),

Gene: EtoileNova_32 Start: 23377, Stop: 25236, Start Num: 202
Candidate Starts for EtoileNova_32:
(Start: 202 @23377 has 32 MA's), (248, 23521), (255, 23539), (262, 23578), (268, 23599), (287, 23641), (293, 23659), (343, 23818), (350, 23845), (387, 23950), (392, 23971), (411, 24058), (421, 24100), (472, 24340), (498, 24430), (511, 24487), (549, 24652), (559, 24706), (560, 24718), (564, 24733), (594, 24862), (595, 24874), (606, 24934), (610, 24946), (635, 24991), (641, 25009), (699, 25156), (710, 25183), (715, 25213),

Gene: EvilGenius_33 Start: 23186, Stop: 25663, Start Num: 36
Candidate Starts for EvilGenius_33:
(Start: 36 @23186 has 32 MA's), (46, 23207), (73, 23297), (104, 23396), (122, 23444), (126, 23465), (153, 23576), (215, 23822), (222, 23849), (229, 23864), (249, 23939), (292, 24080), (314, 24152), (343, 24254), (406, 24464), (421, 24527), (440, 24638), (442, 24641), (454, 24698), (471, 24764), (472, 24767), (476, 24779), (485, 24821), (498, 24863), (511, 24920), (537, 25025), (541, 25046), (549, 25085), (577, 25235), (582, 25241), (594, 25295), (595, 25307), (598, 25316), (602, 25337), (625, 25406), (671, 25505), (681, 25532), (682, 25535), (695, 25589), (706, 25616),

Gene: ExplosioNervosa_33 Start: 24446, Stop: 26212, Start Num: 32
Candidate Starts for ExplosioNervosa_33:
(Start: 32 @24446 has 26 MA's), (95, 24632), (130, 24722), (154, 24767), (157, 24776), (257, 24854), (335, 24878), (382, 24914), (411, 25043), (414, 25061), (465, 25286), (469, 25307), (472, 25325), (498, 25415), (511, 25472), (540, 25595), (564, 25718), (571, 25757), (585, 25814), (604, 25895), (605, 25916), (606, 25919), (647, 26009), (690, 26120), (715, 26195),

Gene: FF47_24 Start: 19326, Stop: 21644, Start Num: 24
Candidate Starts for FF47_24:
(Start: 24 @19326 has 2 MA's), (88, 19527), (103, 19572), (106, 19584), (144, 19695), (165, 19761), (226, 19902), (261, 20034), (274, 20073), (279, 20085), (291, 20124), (297, 20142), (306, 20178), (325, 20238), (372, 20313), (385, 20340), (397, 20403), (410, 20460), (449, 20655), (470, 20724), (472, 20742), (474, 20748), (475, 20751), (476, 20754), (505, 20871), (506, 20877), (529, 20955), (538, 21003), (539, 21006), (552, 21084), (560, 21135), (564, 21150), (566, 21162), (582, 21225), (586, 21246), (591, 21267), (604, 21324), (605, 21345), (619, 21384), (640, 21426), (656, 21459), (660, 21465), (662, 21480), (692, 21564),

Gene: Faiyaz_27 Start: 23429, Stop: 26023, Start Num: 20
Candidate Starts for Faiyaz_27:
(Start: 20 @23429 has 5 MA's), (28, 23468), (55, 23543), (82, 23645), (83, 23654), (107, 23732), (130, 23813), (132, 23822), (146, 23867), (148, 23870), (149, 23879), (153, 23891), (154, 23894), (164, 23918), (170, 23945), (172, 23954), (188, 24017), (203, 24083), (212, 24119), (213, 24122), (240, 24194), (241, 24200), (260, 24269), (287, 24353), (313, 24434), (321, 24455), (370, 24629), (386, 24656), (393, 24707), (399, 24752), (411, 24803), (412, 24812), (428, 24890), (449, 25013), (450, 25016), (451, 25019), (478, 25130), (498, 25193), (510, 25241), (531, 25328), (535, 25355), (537,

25364), (539, 25370), (549, 25421), (568, 25538), (569, 25541), (589, 25625), (596, 25661), (604, 25691), (606, 25715), (628, 25766), (632, 25772), (635, 25778), (684, 25880), (691, 25916), (715, 26006), (718, 26015),

Gene: Fameo_31 Start: 22816, Stop: 25014, Start Num: 36
Candidate Starts for Fameo_31:
(Start: 36 @22816 has 32 MA's), (46, 22837), (75, 22936), (107, 23026), (120, 23062), (160, 23164), (168, 23176), (241, 23353), (280, 23488), (323, 23629), (411, 23842), (414, 23860), (421, 23884), (465, 24085), (498, 24214), (511, 24271), (529, 24331), (537, 24376), (541, 24397), (564, 24517), (585, 24607), (586, 24610), (606, 24715), (614, 24739), (633, 24769), (635, 24772), (699, 24937), (715, 24991),

Gene: Farber_33 Start: 23270, Stop: 25027, Start Num: 29
Candidate Starts for Farber_33:
(Start: 29 @23270 has 108 MA's), (73, 23405), (95, 23471), (112, 23516), (124, 23552), (173, 23684), (257, 23720), (377, 23741), (394, 23798), (409, 23858), (424, 23912), (432, 23972), (459, 24092), (463, 24095), (478, 24164), (488, 24188), (511, 24281), (516, 24302), (530, 24347), (597, 24677), (612, 24746), (641, 24809), (712, 24980),

Gene: Fayely_33 Start: 24410, Stop: 26176, Start Num: 32
Candidate Starts for Fayely_33:
(Start: 32 @24410 has 26 MA's), (38, 24422), (95, 24596), (130, 24686), (154, 24731), (157, 24740), (257, 24818), (335, 24842), (382, 24878), (411, 25007), (414, 25025), (465, 25250), (469, 25271), (472, 25289), (498, 25379), (511, 25436), (540, 25559), (564, 25682), (571, 25721), (585, 25778), (604, 25859), (605, 25880), (606, 25883), (647, 25973), (690, 26084), (715, 26159),

Gene: Fefferhead_26 Start: 21226, Stop: 23613, Start Num: 26
Candidate Starts for Fefferhead_26:
(Start: 26 @21226 has 55 MA's), (39, 21256), (Start: 44 @21274 has 1 MA's), (69, 21358), (153, 21532), (189, 21664), (210, 21754), (221, 21796), (238, 21847), (254, 21889), (255, 21892), (268, 21949), (280, 21973), (281, 21979), (294, 22018), (311, 22075), (340, 22171), (369, 22288), (394, 22357), (405, 22396), (408, 22405), (412, 22426), (423, 22468), (441, 22570), (473, 22705), (474, 22708), (475, 22711), (487, 22750), (502, 22804), (540, 22978), (560, 23095), (562, 23101), (585, 23203), (606, 23308), (608, 23314), (627, 23362), (673, 23455), (684, 23479), (690, 23509), (716, 23587),

Gene: Fernando_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for Fernando_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: Findley_23 Start: 18661, Stop: 21000, Start Num: 26
Candidate Starts for Findley_23:
(Start: 26 @18661 has 55 MA's), (79, 18832), (85, 18850), (101, 18901), (168, 19018), (174, 19051), (209, 19180), (211, 19189), (216, 19204), (219, 19216), (221, 19225), (236, 19273), (262, 19369), (268, 19387), (280, 19408), (294, 19453), (334, 19555), (356, 19627), (365, 19669), (366, 19675), (369, 19684), (393, 19771), (396, 19792), (411, 19834), (415, 19855), (436, 19972), (439, 19981), (448, 20017), (462, 20071), (476, 20125), (478, 20137), (486, 20161), (512, 20257), (516, 20275), (526, 20302), (537, 20359), (549, 20416), (572, 20548), (582, 20578), (593, 20629), (596, 20647), (604, 20677), (621, 20731), (633, 20761), (641, 20782), (697, 20914),

Gene: Finnry_21 Start: 19728, Stop: 22241, Start Num: 10
Candidate Starts for Finnry_21:
(Start: 10 @19728 has 19 MA's), (16, 19791), (31, 19863), (64, 19953), (65, 19959), (84, 20031), (151, 20223), (156, 20235), (163, 20253), (172, 20292), (180, 20322), (200, 20379), (206, 20409), (208, 20415), (224, 20469), (226, 20475), (271, 20622), (273, 20625), (278, 20634), (284, 20652), (302, 20712), (304, 20721), (309, 20733), (325, 20784), (326, 20787), (380, 20952), (394, 21009), (417, 21093), (421, 21111), (423, 21120), (432, 21183), (459, 21303), (471, 21348), (476, 21363), (480, 21381), (493, 21411), (512, 21501), (532, 21570), (537, 21603), (541, 21624), (549, 21660), (555, 21696), (563, 21741), (567, 21765), (568, 21771), (571, 21786), (574, 21804), (584, 21837), (596, 21891), (602, 21915), (608, 21951), (610, 21957), (619, 21981), (689, 22146), (691, 22155), (692, 22161),

Gene: Fionnbharth_28 Start: 22273, Stop: 24582, Start Num: 60
Candidate Starts for Fionnbharth_28:
(Start: 60 @22273 has 18 MA's), (83, 22363), (95, 22384), (102, 22408), (168, 22525), (198, 22654), (212, 22714), (233, 22786), (236, 22795), (252, 22846), (254, 22852), (257, 22861), (268, 22912), (276, 22924), (281, 22939), (283, 22945), (294, 22978), (309, 23026), (334, 23080), (356, 23152), (364, 23191), (367, 23203), (373, 23218), (390, 23263), (404, 23332), (424, 23413), (452, 23566), (464, 23608), (494, 23737), (502, 23782), (516, 23848), (521, 23863), (541, 23959), (568, 24112), (571, 24127), (572, 24133), (577, 24157), (579, 24163), (580, 24169), (581, 24172), (586, 24196), (589, 24208), (607, 24304), (632, 24355), (633, 24358), (668, 24427), (685, 24463), (691, 24496), (713, 24550), (714, 24559), (718, 24574),

Gene: FiringLine_31 Start: 22638, Stop: 24839, Start Num: 36
Candidate Starts for FiringLine_31:
(Start: 36 @22638 has 32 MA's), (46, 22659), (75, 22758), (77, 22764), (88, 22791), (89, 22794), (107, 22848), (120, 22884), (160, 22986), (241, 23175), (279, 23307), (280, 23310), (411, 23664), (414, 23682), (421, 23706), (465, 23907), (472, 23946), (498, 24036), (511, 24093), (529, 24153), (537, 24198), (541, 24219), (560, 24324), (564, 24339), (568, 24363), (577, 24408), (586, 24435), (595, 24480), (614, 24564), (687, 24714), (699, 24762), (710, 24786),

Gene: First_0031 Start: 22858, Stop: 25263, Start Num: 36
Candidate Starts for First_0031:
(Start: 36 @22858 has 32 MA's), (46, 22879), (73, 22969), (75, 22978), (85, 22999), (107, 23062), (120, 23098), (152, 23179), (175, 23248), (181, 23269), (183, 23278), (214, 23410), (241, 23500), (245, 23515), (280, 23635), (290, 23668), (293, 23677), (323, 23776), (330, 23803), (391, 24016), (411, 24106), (414, 24124), (421, 24148), (465, 24349), (472, 24388), (477, 24409), (489, 24445), (498, 24478), (500, 24499), (511, 24535), (527, 24589), (537, 24640), (541, 24661), (560, 24766), (564, 24781), (604, 24949), (612, 24991), (649, 25060), (713, 25231), (714, 25240), (715, 25246),

Gene: Flare16_31 Start: 22776, Stop: 24998, Start Num: 34
Candidate Starts for Flare16_31:
(Start: 34 @22776 has 36 MA's), (73, 22890), (77, 22905), (124, 23037), (170, 23151), (174, 23172), (183, 23205), (241, 23316), (251, 23355), (280, 23451), (311, 23553), (411, 23802), (418, 23832), (421, 23844), (454, 24015), (472, 24084), (498, 24183), (527, 24294), (529, 24300), (530, 24306), (537, 24345), (548, 24402), (549, 24405), (560, 24471), (577, 24555), (595, 24627), (629, 24747), (683, 24858), (695, 24909), (699, 24921),

Gene: ForesterFrank_33 Start: 24779, Stop: 26557, Start Num: 36
Candidate Starts for ForesterFrank_33:
(Start: 36 @24779 has 32 MA's), (73, 24890), (75, 24899), (107, 24986), (124, 25034), (130, 25046), (170, 25148), (257, 25202), (333, 25223), (338, 25235), (391, 25301), (411, 25391), (414, 25409), (421, 25433), (439, 25541), (445, 25568), (448, 25577), (472, 25673), (489, 25730), (527, 25874),

(540, 25943), (564, 26066), (571, 26105), (604, 26240), (605, 26261), (612, 26282), (647, 26354), (684, 26435), (699, 26495), (713, 26525), (715, 26540),

Gene: Fred313_31 Start: 22584, Stop: 24443, Start Num: 202
Candidate Starts for Fred313_31:
(Start: 202 @22584 has 32 MA's), (243, 22710), (245, 22719), (262, 22785), (268, 22806), (287, 22848), (337, 23004), (350, 23052), (371, 23121), (375, 23127), (387, 23157), (411, 23265), (414, 23283), (421, 23307), (472, 23547), (498, 23637), (529, 23754), (549, 23859), (560, 23925), (564, 23940), (602, 24111), (641, 24216), (665, 24270), (686, 24309), (699, 24363), (710, 24390), (714, 24414),

Gene: Fulbright_20 Start: 17553, Stop: 20198, Start Num: 9
Candidate Starts for Fulbright_20:
(7, 17541), (Start: 9 @17553 has 17 MA's), (12, 17565), (13, 17577), (18, 17631), (40, 17700), (Start: 41 @17703 has 2 MA's), (Start: 44 @17712 has 1 MA's), (50, 17727), (103, 17904), (130, 17985), (132, 17994), (190, 18198), (200, 18246), (203, 18261), (208, 18282), (213, 18300), (220, 18324), (226, 18339), (230, 18348), (240, 18375), (241, 18381), (260, 18450), (264, 18471), (266, 18477), (270, 18486), (281, 18513), (287, 18531), (318, 18624), (326, 18645), (357, 18756), (362, 18774), (370, 18807), (393, 18885), (412, 18990), (423, 19032), (467, 19251), (474, 19290), (475, 19293), (478, 19308), (498, 19371), (510, 19419), (535, 19533), (541, 19563), (546, 19590), (549, 19599), (568, 19716), (576, 19761), (589, 19803), (604, 19869), (606, 19893), (628, 19941), (632, 19947), (635, 19953), (640, 19968), (683, 20052), (691, 20091), (715, 20181), (718, 20190),

Gene: Gail_31 Start: 22024, Stop: 24468, Start Num: 34
Candidate Starts for Gail_31:
(Start: 34 @22024 has 36 MA's), (108, 22237), (130, 22294), (137, 22315), (231, 22669), (254, 22747), (291, 22870), (292, 22873), (312, 22930), (314, 22936), (319, 22954), (327, 22981), (342, 23035), (343, 23038), (406, 23272), (412, 23302), (414, 23311), (439, 23443), (454, 23506), (463, 23533), (471, 23572), (498, 23674), (516, 23752), (529, 23791), (537, 23836), (540, 23854), (549, 23896), (560, 23962), (564, 23977), (571, 24016), (572, 24022), (612, 24193), (625, 24214), (637, 24241), (687, 24358), (692, 24388),

Gene: GaugeLDP_33 Start: 24026, Stop: 25807, Start Num: 36
Candidate Starts for GaugeLDP_33:
(Start: 36 @24026 has 32 MA's), (46, 24047), (73, 24137), (75, 24146), (77, 24152), (124, 24284), (130, 24296), (152, 24353), (159, 24371), (338, 24485), (391, 24551), (411, 24641), (414, 24659), (421, 24683), (465, 24884), (472, 24923), (498, 25013), (500, 25034), (527, 25124), (537, 25175), (541, 25196), (568, 25340), (571, 25355), (580, 25385), (604, 25490), (605, 25511), (647, 25604), (662, 25643), (684, 25685), (690, 25715), (715, 25790),

Gene: Gavriela_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for Gavriela_21:
(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: Gemma_33 Start: 23357, Stop: 25165, Start Num: 29

Candidate Starts for Gemma_33:
(Start: 29 @23357 has 108 MA's), (73, 23492), (95, 23558), (112, 23603), (124, 23639), (160, 23729), (170, 23753), (181, 23798), (187, 23828), (411, 23996), (414, 24014), (421, 24038), (452, 24200), (465, 24239), (472, 24278), (498, 24368), (537, 24530), (541, 24551), (557, 24638), (568, 24695), (571, 24710), (587, 24773), (604, 24848), (605, 24869), (647, 24962), (662, 25001), (684, 25043), (714, 25142),

Gene: Georgie2_32 Start: 22683, Stop: 24884, Start Num: 36
Candidate Starts for Georgie2_32:
(Start: 36 @22683 has 32 MA's), (46, 22704), (75, 22803), (77, 22809), (88, 22836), (89, 22839), (107, 22893), (120, 22929), (160, 23031), (241, 23220), (279, 23352), (280, 23355), (411, 23709), (414, 23727), (421, 23751), (465, 23952), (472, 23991), (498, 24081), (511, 24138), (529, 24198), (537, 24243), (541, 24264), (560, 24369), (564, 24384), (568, 24408), (577, 24453), (586, 24480), (595, 24525), (606, 24585), (614, 24609), (687, 24759), (699, 24807), (710, 24831),

Gene: GingkoMaracino_33 Start: 23163, Stop: 24920, Start Num: 29
Candidate Starts for GingkoMaracino_33:
(Start: 29 @23163 has 108 MA's), (73, 23298), (95, 23364), (112, 23409), (124, 23445), (173, 23577), (257, 23613), (377, 23634), (394, 23691), (409, 23751), (424, 23805), (432, 23865), (459, 23985), (463, 23988), (478, 24057), (488, 24081), (511, 24174), (516, 24195), (530, 24240), (597, 24570), (612, 24639), (641, 24702), (712, 24873),

Gene: Giroux_32 Start: 22838, Stop: 24697, Start Num: 202
Candidate Starts for Giroux_32:
(Start: 202 @22838 has 32 MA's), (248, 22982), (254, 22997), (262, 23039), (305, 23162), (321, 23210), (335, 23252), (337, 23258), (343, 23279), (411, 23519), (418, 23549), (427, 23597), (452, 23723), (465, 23762), (472, 23801), (489, 23858), (498, 23891), (537, 24053), (538, 24056), (549, 24113), (560, 24179), (564, 24194), (606, 24395), (662, 24521), (665, 24524), (695, 24605), (699, 24617), (710, 24644), (715, 24674),

Gene: Glaske_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for Glaske_21:
(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: Goose_32 Start: 23270, Stop: 25105, Start Num: 29
Candidate Starts for Goose_32:
(Start: 29 @23270 has 108 MA's), (45, 23303), (52, 23318), (160, 23630), (170, 23654), (173, 23672), (174, 23675), (175, 23678), (181, 23699), (185, 23726), (411, 23939), (414, 23957), (421, 23981), (445, 24116), (448, 24125), (472, 24221), (489, 24278), (498, 24311), (527, 24422), (540, 24491), (560, 24599), (564, 24614), (571, 24653), (572, 24659), (590, 24725), (604, 24788), (605, 24809), (606, 24812), (608, 24818), (612, 24830), (640, 24887), (647, 24902), (651, 24911), (660, 24926), (684, 24983), (699, 25043), (715, 25088), (716, 25091),

Gene: Gratitude_32 Start: 23218, Stop: 25425, Start Num: 34
Candidate Starts for Gratitude_32:

(Start: 34 @23218 has 36 MA's), (73, 23332), (75, 23341), (77, 23347), (85, 23368), (124, 23479), (160, 23569), (168, 23581), (241, 23758), (251, 23797), (280, 23893), (391, 24154), (411, 24244), (418, 24274), (421, 24286), (463, 24484), (498, 24625), (500, 24646), (527, 24736), (529, 24742), (530, 24748), (537, 24787), (541, 24808), (548, 24844), (549, 24847), (560, 24913), (564, 24928), (565, 24931), (568, 24952), (574, 24985), (606, 25129), (629, 25177), (660, 25240), (687, 25300), (699, 25348), (715, 25402),

Gene: Grif_33 Start: 23360, Stop: 25111, Start Num: 29
Candidate Starts for Grif_33:
(Start: 29 @23360 has 108 MA's), (73, 23495), (95, 23561), (112, 23606), (124, 23642), (154, 23714), (160, 23732), (257, 23810), (377, 23831), (409, 23948), (438, 24086), (459, 24182), (463, 24185), (478, 24254), (488, 24278), (499, 24323), (511, 24371), (530, 24437), (561, 24608), (563, 24614), (572, 24665), (585, 24710), (604, 24788), (612, 24830), (633, 24872), (685, 24974), (686, 24977), (690, 25001),

Gene: Groupthink_34 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Groupthink_34:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (160, 23733), (170, 23757), (181, 23802), (187, 23832), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: Grub_33 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for Grub_33:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: Grum1_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for Grum1_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: GtownJaz_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for GtownJaz_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: Gwennie_32 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for Gwennie_32:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Hammy_26 Start: 21316, Stop: 23694, Start Num: 26
Candidate Starts for Hammy_26:

(Start: 26 @21316 has 55 MA's), (Start: 29 @21325 has 108 MA's), (Start: 44 @21364 has 1 MA's), (79, 21487), (101, 21544), (104, 21556), (153, 21622), (170, 21676), (189, 21754), (210, 21844), (221, 21886), (238, 21937), (254, 21979), (255, 21982), (259, 22003), (280, 22063), (281, 22069), (340, 22261), (369, 22378), (405, 22486), (410, 22504), (412, 22516), (441, 22660), (473, 22795), (474, 22798), (475, 22801), (484, 22834), (487, 22840), (502, 22894), (528, 23002), (534, 23035), (535, 23041), (539, 23056), (547, 23098), (560, 23185), (562, 23191), (592, 23320), (595, 23341), (677, 23536), (684, 23557), (685, 23560), (694, 23599), (716, 23668),

Gene: Hanray_32 Start: 24381, Stop: 26147, Start Num: 32
Candidate Starts for Hanray_32:
(Start: 32 @24381 has 26 MA's), (38, 24393), (95, 24567), (130, 24657), (154, 24702), (157, 24711), (257, 24789), (335, 24813), (382, 24849), (411, 24978), (414, 24996), (465, 25221), (469, 25242), (472, 25260), (498, 25350), (511, 25407), (540, 25530), (564, 25653), (571, 25692), (585, 25749), (604, 25830), (605, 25851), (606, 25854), (640, 25929), (647, 25944), (690, 26055), (715, 26130),

Gene: HarryHoudini_33 Start: 23229, Stop: 25313, Start Num: 34
Candidate Starts for HarryHoudini_33:
(Start: 34 @23229 has 36 MA's), (73, 23343), (77, 23358), (160, 23580), (168, 23592), (241, 23769), (280, 23904), (291, 23940), (411, 24141), (414, 24159), (421, 24183), (465, 24384), (472, 24423), (476, 24435), (498, 24513), (511, 24570), (529, 24630), (530, 24636), (541, 24696), (560, 24801), (564, 24816), (569, 24843), (595, 24957), (596, 24960), (605, 25011), (608, 25020), (610, 25026), (620, 25050), (644, 25104), (654, 25128), (692, 25233), (716, 25299),

Gene: HashRod_34 Start: 23364, Stop: 25115, Start Num: 29
Candidate Starts for HashRod_34:
(Start: 29 @23364 has 108 MA's), (73, 23499), (95, 23565), (112, 23610), (124, 23646), (169, 23757), (173, 23778), (257, 23814), (377, 23835), (409, 23952), (438, 24090), (459, 24186), (463, 24189), (478, 24258), (488, 24282), (499, 24327), (511, 24375), (530, 24441), (561, 24612), (563, 24618), (572, 24669), (585, 24714), (593, 24744), (604, 24792), (612, 24834), (617, 24849), (619, 24852), (633, 24876), (685, 24978), (686, 24981), (690, 25005),

Gene: Hashim76_34 Start: 28773, Stop: 31235, Start Num: 23
Candidate Starts for Hashim76_34:
(Start: 23 @28773 has 5 MA's), (25, 28782), (62, 28887), (71, 28920), (78, 28947), (92, 28989), (136, 29103), (150, 29166), (160, 29193), (172, 29235), (225, 29442), (234, 29478), (245, 29511), (263, 29577), (296, 29664), (301, 29685), (312, 29718), (351, 29847), (370, 29913), (411, 30060), (414, 30078), (439, 30210), (445, 30237), (454, 30273), (472, 30342), (476, 30354), (483, 30384), (489, 30399), (495, 30420), (511, 30489), (513, 30501), (530, 30555), (532, 30561), (536, 30591), (540, 30612), (568, 30759), (577, 30804), (586, 30831), (685, 31101), (699, 31158), (709, 31179),

Gene: HaveUMetTed_34 Start: 23354, Stop: 25162, Start Num: 29
Candidate Starts for HaveUMetTed_34:
(Start: 29 @23354 has 108 MA's), (73, 23489), (95, 23555), (112, 23600), (114, 23603), (170, 23750), (181, 23795), (187, 23825), (411, 23993), (414, 24011), (421, 24035), (452, 24197), (465, 24236), (472, 24275), (498, 24365), (537, 24527), (541, 24548), (557, 24635), (568, 24692), (571, 24707), (587, 24770), (604, 24845), (605, 24866), (647, 24959), (662, 24998), (684, 25040), (714, 25139),

Gene: Heathen_31 Start: 22640, Stop: 24499, Start Num: 202
Candidate Starts for Heathen_31:
(Start: 202 @22640 has 32 MA's), (243, 22766), (245, 22775), (262, 22841), (268, 22862), (287, 22904), (337, 23060), (350, 23108), (371, 23177), (375, 23183), (387, 23213), (411, 23321), (414, 23339), (421, 23363), (472, 23603), (498, 23693), (529, 23810), (549, 23915), (560, 23981), (564, 23996), (602, 24167), (641, 24272), (665, 24326), (686, 24365), (699, 24419), (710, 24446), (714,

24470),

Gene: Heffalump_33 Start: 24558, Stop: 26342, Start Num: 36
Candidate Starts for Heffalump_33:
(Start: 36 @24558 has 32 MA's), (46, 24579), (75, 24678), (88, 24711), (107, 24768), (120, 24804), (391, 25083), (392, 25086), (411, 25173), (414, 25191), (421, 25215), (438, 25314), (452, 25377), (465, 25416), (472, 25455), (498, 25545), (505, 25575), (512, 25605), (518, 25629), (537, 25707), (541, 25728), (568, 25872), (571, 25887), (604, 26025), (605, 26046), (647, 26139), (662, 26178), (669, 26187), (684, 26220), (690, 26250), (699, 26280), (714, 26319),

Gene: HelDan_31 Start: 22892, Stop: 24751, Start Num: 202
Candidate Starts for HelDan_31:
(Start: 202 @22892 has 32 MA's), (243, 23018), (245, 23027), (262, 23093), (268, 23114), (287, 23156), (337, 23312), (350, 23360), (371, 23429), (375, 23435), (387, 23465), (411, 23573), (414, 23591), (421, 23615), (472, 23855), (498, 23945), (529, 24062), (549, 24167), (560, 24233), (564, 24248), (602, 24419), (641, 24524), (665, 24578), (686, 24617), (699, 24671), (710, 24698), (714, 24722),

Gene: Heliosoles_33 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Heliosoles_33:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (160, 23733), (170, 23757), (181, 23802), (187, 23832), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: Hercules11_33 Start: 23284, Stop: 25041, Start Num: 29
Candidate Starts for Hercules11_33:
(Start: 29 @23284 has 108 MA's), (73, 23419), (95, 23485), (112, 23530), (124, 23566), (173, 23698), (257, 23734), (377, 23755), (394, 23812), (409, 23872), (424, 23926), (432, 23986), (459, 24106), (463, 24109), (478, 24178), (488, 24202), (511, 24295), (516, 24316), (530, 24361), (597, 24691), (612, 24760), (641, 24823), (712, 24994),

Gene: Hilltopfarm_27 Start: 23459, Stop: 26053, Start Num: 20
Candidate Starts for Hilltopfarm_27:
(Start: 20 @23459 has 5 MA's), (28, 23498), (55, 23573), (82, 23675), (83, 23684), (107, 23762), (130, 23843), (132, 23852), (146, 23897), (148, 23900), (149, 23909), (153, 23921), (154, 23924), (164, 23948), (170, 23975), (172, 23984), (188, 24047), (203, 24113), (212, 24149), (213, 24152), (240, 24224), (241, 24230), (260, 24299), (287, 24383), (313, 24464), (321, 24485), (357, 24608), (370, 24659), (386, 24686), (393, 24737), (399, 24782), (411, 24833), (412, 24842), (421, 24875), (428, 24920), (449, 25043), (450, 25046), (451, 25049), (478, 25160), (498, 25223), (510, 25271), (531, 25358), (535, 25385), (537, 25394), (539, 25400), (546, 25442), (549, 25451), (568, 25568), (569, 25571), (589, 25655), (596, 25691), (606, 25745), (628, 25796), (632, 25802), (635, 25808), (658, 25850), (684, 25910), (691, 25946), (715, 26036), (718, 26045),

Gene: HippoHollow_32 Start: 24484, Stop: 26271, Start Num: 34
Candidate Starts for HippoHollow_32:
(Start: 34 @24484 has 36 MA's), (46, 24508), (73, 24598), (75, 24607), (88, 24640), (107, 24697), (144, 24790), (406, 25081), (411, 25102), (414, 25120), (421, 25144), (465, 25345), (472, 25384), (498, 25474), (511, 25531), (541, 25657), (560, 25762), (571, 25816), (604, 25954), (606, 25978), (647, 26068), (662, 26107), (678, 26131), (684, 26149), (715, 26254),

Gene: Holex_32 Start: 24381, Stop: 26147, Start Num: 32

Candidate Starts for Holex_32:
(Start: 32 @24381 has 26 MA's), (38, 24393), (95, 24567), (130, 24657), (154, 24702), (157, 24711), (257, 24789), (335, 24813), (382, 24849), (411, 24978), (414, 24996), (465, 25221), (469, 25242), (472, 25260), (498, 25350), (511, 25407), (540, 25530), (564, 25653), (571, 25692), (585, 25749), (604, 25830), (605, 25851), (606, 25854), (647, 25944), (690, 26055), (715, 26130),

Gene: Hookmount_32 Start: 23374, Stop: 25233, Start Num: 202
Candidate Starts for Hookmount_32:
(Start: 202 @23374 has 32 MA's), (248, 23518), (255, 23536), (262, 23575), (268, 23596), (287, 23638), (293, 23656), (343, 23815), (350, 23842), (387, 23947), (392, 23968), (411, 24055), (421, 24097), (472, 24337), (498, 24427), (511, 24484), (549, 24649), (559, 24703), (560, 24715), (564, 24730), (594, 24859), (595, 24871), (606, 24931), (610, 24943), (635, 24988), (641, 25006), (699, 25153), (710, 25180), (715, 25210),

Gene: HortumSL17_33 Start: 24377, Stop: 26143, Start Num: 32
Candidate Starts for HortumSL17_33:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: Hurricane_26 Start: 21315, Stop: 23663, Start Num: 26
Candidate Starts for Hurricane_26:
(Start: 26 @21315 has 55 MA's), (37, 21342), (49, 21375), (62, 21420), (76, 21480), (155, 21636), (170, 21681), (177, 21717), (183, 21735), (203, 21813), (216, 21861), (256, 21993), (268, 22047), (277, 22062), (311, 22170), (356, 22287), (365, 22329), (366, 22335), (369, 22344), (373, 22353), (394, 22434), (396, 22452), (400, 22455), (411, 22494), (415, 22515), (421, 22536), (423, 22545), (436, 22632), (458, 22725), (459, 22728), (478, 22800), (516, 22938), (530, 22983), (537, 23022), (540, 23040), (559, 23139), (562, 23157), (572, 23211), (582, 23241), (585, 23259), (592, 23286), (593, 23292), (604, 23340), (628, 23415), (633, 23424), (641, 23445), (645, 23454), (690, 23553), (705, 23595),

Gene: Idleandcovert_31 Start: 22838, Stop: 24697, Start Num: 202
Candidate Starts for Idleandcovert_31:
(Start: 202 @22838 has 32 MA's), (248, 22982), (254, 22997), (262, 23039), (305, 23162), (321, 23210), (335, 23252), (337, 23258), (343, 23279), (411, 23519), (418, 23549), (427, 23597), (452, 23723), (465, 23762), (472, 23801), (489, 23858), (498, 23891), (537, 24053), (538, 24056), (549, 24113), (560, 24179), (564, 24194), (606, 24395), (662, 24521), (665, 24524), (695, 24605), (699, 24617), (710, 24644), (715, 24674),

Gene: Impisi_21 Start: 17560, Stop: 20205, Start Num: 9
Candidate Starts for Impisi_21:
(7, 17548), (Start: 9 @17560 has 17 MA's), (12, 17572), (28, 17683), (40, 17707), (Start: 41 @17710 has 2 MA's), (Start: 44 @17719 has 1 MA's), (86, 17857), (99, 17899), (100, 17902), (130, 17992), (132, 18001), (133, 18004), (139, 18025), (145, 18037), (153, 18070), (170, 18124), (188, 18202), (195, 18232), (203, 18268), (220, 18331), (226, 18346), (240, 18379), (260, 18454), (264, 18478), (266, 18484), (272, 18496), (287, 18538), (289, 18544), (318, 18631), (326, 18652), (333, 18676), (354, 18742), (357, 18763), (362, 18781), (370, 18814), (384, 18838), (386, 18841), (393, 18892), (412, 18997), (423, 19039), (451, 19204), (475, 19300), (498, 19378), (501, 19390), (523, 19480), (535, 19540), (537, 19549), (546, 19597), (549, 19606), (568, 19723), (576, 19768), (589, 19810), (604, 19876), (606, 19900), (628, 19948), (632, 19954), (635, 19960), (683, 20059), (686, 20068), (691, 20098), (715, 20188), (718, 20197),

Gene: Imvubu_24 Start: 26459, Stop: 28915, Start Num: 23
Candidate Starts for Imvubu_24:
(Start: 23 @26459 has 5 MA's), (59, 26561), (62, 26573), (77, 26630), (129, 26753), (136, 26783), (160, 26873), (196, 27020), (208, 27071), (218, 27101), (225, 27122), (234, 27158), (235, 27161), (236, 27164), (245, 27191), (262, 27251), (263, 27257), (275, 27284), (296, 27344), (306, 27383), (338, 27479), (351, 27527), (370, 27593), (392, 27653), (402, 27707), (411, 27740), (414, 27758), (445, 27917), (452, 27944), (454, 27953), (455, 27956), (465, 27983), (471, 28019), (472, 28022), (476, 28034), (483, 28064), (493, 28088), (498, 28112), (511, 28169), (532, 28241), (536, 28271), (537, 28274), (540, 28292), (541, 28295), (545, 28316), (551, 28349), (565, 28418), (577, 28484), (586, 28511), (592, 28535), (595, 28556), (604, 28592), (606, 28616), (633, 28670), (640, 28688), (662, 28742), (665, 28745), (686, 28784), (691, 28814), (699, 28838),

Gene: Indlovu_28 Start: 28755, Stop: 31250, Start Num: 22
Candidate Starts for Indlovu_28:
(Start: 22 @28755 has 5 MA's), (43, 28815), (124, 29073), (128, 29079), (136, 29112), (157, 29193), (193, 29331), (211, 29403), (219, 29430), (234, 29484), (245, 29517), (250, 29532), (263, 29592), (279, 29628), (282, 29637), (286, 29646), (295, 29676), (301, 29700), (312, 29733), (331, 29799), (338, 29814), (347, 29844), (349, 29853), (370, 29928), (387, 29964), (388, 29970), (392, 29985), (410, 30069), (411, 30072), (414, 30090), (438, 30213), (445, 30249), (465, 30315), (472, 30354), (476, 30366), (489, 30411), (495, 30432), (498, 30444), (530, 30567), (531, 30570), (532, 30573), (536, 30603), (537, 30606), (548, 30663), (551, 30681), (559, 30720), (565, 30750), (586, 30843), (602, 30918), (604, 30924), (662, 31074), (686, 31116), (692, 31152), (699, 31170), (710, 31197), (715, 31227),

Gene: IronMan_34 Start: 24846, Stop: 26621, Start Num: 36
Candidate Starts for IronMan_34:
(15, 24744), (Start: 36 @24846 has 32 MA's), (46, 24867), (73, 24957), (75, 24966), (97, 25023), (107, 25050), (114, 25065), (144, 25143), (235, 25236), (243, 25257), (333, 25287), (338, 25299), (402, 25422), (411, 25455), (414, 25473), (421, 25497), (442, 25611), (465, 25698), (472, 25737), (489, 25794), (537, 25989), (541, 26010), (568, 26154), (571, 26169), (604, 26304), (606, 26328), (647, 26418), (684, 26499), (715, 26604),

Gene: Isca_31 Start: 22776, Stop: 24635, Start Num: 202
Candidate Starts for Isca_31:
(Start: 202 @22776 has 32 MA's), (243, 22902), (248, 22920), (254, 22935), (262, 22977), (337, 23196), (343, 23217), (350, 23244), (375, 23319), (387, 23349), (411, 23457), (414, 23475), (421, 23499), (472, 23739), (489, 23796), (498, 23829), (524, 23922), (529, 23946), (549, 24051), (560, 24117), (564, 24132), (602, 24303), (641, 24408), (662, 24459), (665, 24462), (686, 24501), (699, 24555), (710, 24582), (714, 24606),

Gene: Iwokeuplikedis_32 Start: 22493, Stop: 24805, Start Num: 34
Candidate Starts for Iwokeuplikedis_32:
(Start: 34 @22493 has 36 MA's), (75, 22616), (77, 22622), (88, 22649), (95, 22673), (170, 22868), (214, 23054), (241, 23144), (246, 23165), (257, 23201), (280, 23279), (290, 23312), (293, 23321), (406, 23612), (411, 23633), (414, 23651), (421, 23675), (439, 23783), (465, 23876), (472, 23915), (498, 24005), (529, 24122), (537, 24167), (541, 24188), (577, 24377), (585, 24398), (606, 24506), (614, 24530), (633, 24560), (686, 24674), (687, 24680), (699, 24728), (715, 24782),

Gene: JF1_28 Start: 22272, Stop: 24581, Start Num: 60
Candidate Starts for JF1_28:
(Start: 60 @22272 has 18 MA's), (83, 22362), (95, 22383), (102, 22407), (168, 22524), (198, 22653), (212, 22713), (233, 22785), (236, 22794), (252, 22845), (254, 22851), (257, 22860), (268, 22911), (276, 22923), (281, 22938), (283, 22944), (294, 22977), (309, 23025), (334, 23079), (356, 23151),

(364, 23190), (367, 23202), (373, 23217), (390, 23262), (404, 23331), (424, 23412), (452, 23565), (464, 23607), (494, 23736), (502, 23781), (516, 23847), (521, 23862), (541, 23958), (568, 24111), (571, 24126), (572, 24132), (577, 24156), (579, 24162), (580, 24168), (581, 24171), (586, 24195), (589, 24207), (607, 24303), (632, 24354), (633, 24357), (668, 24426), (685, 24462), (691, 24495), (713, 24549), (714, 24558), (718, 24573),

Gene: JF2_31 Start: 22527, Stop: 24386, Start Num: 202
Candidate Starts for JF2_31:
(Start: 202 @22527 has 32 MA's), (243, 22653), (248, 22671), (254, 22686), (262, 22728), (287, 22791), (336, 22944), (337, 22947), (343, 22968), (350, 22995), (375, 23070), (392, 23121), (411, 23208), (421, 23250), (472, 23490), (489, 23547), (498, 23580), (524, 23673), (529, 23697), (549, 23802), (560, 23868), (564, 23883), (602, 24054), (641, 24159), (665, 24213), (686, 24252), (696, 24300), (699, 24306), (710, 24333), (714, 24357),

Gene: JF4_31 Start: 22527, Stop: 24386, Start Num: 202
Candidate Starts for JF4_31:
(Start: 202 @22527 has 32 MA's), (243, 22653), (248, 22671), (254, 22686), (262, 22728), (287, 22791), (336, 22944), (337, 22947), (343, 22968), (350, 22995), (375, 23070), (392, 23121), (411, 23208), (421, 23250), (472, 23490), (489, 23547), (498, 23580), (524, 23673), (529, 23697), (549, 23802), (560, 23868), (564, 23883), (602, 24054), (641, 24159), (665, 24213), (686, 24252), (696, 24300), (699, 24306), (710, 24333), (714, 24357),

Gene: JHC117_33 Start: 23275, Stop: 25032, Start Num: 29
Candidate Starts for JHC117_33:
(Start: 29 @23275 has 108 MA's), (73, 23410), (95, 23476), (112, 23521), (124, 23557), (173, 23689), (257, 23725), (377, 23746), (394, 23803), (409, 23863), (424, 23917), (432, 23977), (459, 24097), (463, 24100), (478, 24169), (488, 24193), (511, 24286), (516, 24307), (530, 24352), (597, 24682), (612, 24751), (641, 24814), (712, 24985),

Gene: Jaan_35 Start: 25218, Stop: 26993, Start Num: 29
Candidate Starts for Jaan_35:
(21, 25179), (Start: 29 @25218 has 108 MA's), (73, 25329), (75, 25338), (97, 25395), (107, 25422), (144, 25515), (235, 25608), (243, 25629), (333, 25659), (338, 25671), (402, 25794), (411, 25827), (414, 25845), (421, 25869), (442, 25983), (446, 26007), (465, 26070), (472, 26109), (476, 26121), (489, 26166), (537, 26361), (541, 26382), (571, 26541), (572, 26547), (590, 26613), (604, 26676), (605, 26697), (647, 26790), (684, 26871), (690, 26901), (699, 26931), (715, 26976),

Gene: JenCasNa_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for JenCasNa_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: JeppNRM_34 Start: 23360, Stop: 25168, Start Num: 29
Candidate Starts for JeppNRM_34:
(Start: 29 @23360 has 108 MA's), (73, 23495), (95, 23561), (112, 23606), (114, 23609), (154, 23714), (170, 23756), (181, 23801), (187, 23831), (403, 23972), (411, 23999), (414, 24017), (421, 24041), (452, 24203), (465, 24242), (472, 24281), (498, 24371), (537, 24533), (541, 24554), (557, 24641), (568, 24698), (571, 24713), (587, 24776), (604, 24851), (605, 24872), (647, 24965), (662, 25004), (684, 25046), (714, 25145),

Gene: Jerm_33 Start: 23204, Stop: 25408, Start Num: 34

Candidate Starts for Jerm_33:
(Start: 34 @23204 has 36 MA's), (73, 23318), (75, 23327), (88, 23360), (107, 23417), (160, 23555), (241, 23744), (280, 23879), (293, 23921), (315, 23993), (411, 24233), (414, 24251), (421, 24275), (439, 24383), (465, 24476), (472, 24515), (498, 24605), (511, 24662), (512, 24665), (529, 24722), (530, 24728), (537, 24767), (541, 24788), (586, 25004), (595, 25049), (640, 25181), (657, 25217), (666, 25238), (686, 25277), (699, 25331), (719, 25400),

Gene: Jiawan_32 Start: 24413, Stop: 26179, Start Num: 32
Candidate Starts for Jiawan_32:
(Start: 32 @24413 has 26 MA's), (38, 24425), (95, 24599), (130, 24689), (154, 24734), (157, 24743), (257, 24821), (335, 24845), (382, 24881), (411, 25010), (414, 25028), (465, 25253), (469, 25274), (472, 25292), (498, 25382), (511, 25439), (540, 25562), (564, 25685), (571, 25724), (585, 25781), (604, 25862), (605, 25883), (606, 25886), (640, 25961), (647, 25976), (690, 26087), (715, 26162),

Gene: Jobu08_33 Start: 23349, Stop: 25154, Start Num: 29
Candidate Starts for Jobu08_33:
(Start: 29 @23349 has 108 MA's), (73, 23484), (95, 23550), (112, 23595), (154, 23703), (170, 23745), (181, 23790), (187, 23820), (411, 23988), (414, 24006), (421, 24030), (446, 24168), (452, 24192), (465, 24231), (472, 24270), (498, 24360), (537, 24522), (541, 24543), (557, 24630), (571, 24702), (580, 24732), (590, 24774), (604, 24837), (606, 24861), (640, 24936), (647, 24951), (662, 24990), (684, 25032), (715, 25137),

Gene: Jobypre_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for Jobypre_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: JoshKayV_33 Start: 23180, Stop: 25381, Start Num: 36
Candidate Starts for JoshKayV_33:
(Start: 36 @23180 has 32 MA's), (46, 23201), (73, 23291), (75, 23300), (107, 23390), (160, 23528), (170, 23552), (183, 23606), (241, 23717), (248, 23741), (280, 23852), (293, 23894), (411, 24206), (414, 24224), (421, 24248), (439, 24356), (465, 24449), (472, 24488), (498, 24578), (529, 24695), (530, 24701), (537, 24740), (541, 24761), (577, 24950), (586, 24977), (595, 25022), (657, 25190), (666, 25211), (686, 25250), (699, 25304), (719, 25373),

Gene: Jubie_21 Start: 19725, Stop: 22238, Start Num: 10
Candidate Starts for Jubie_21:
(Start: 10 @19725 has 19 MA's), (16, 19788), (31, 19860), (64, 19950), (65, 19956), (84, 20028), (118, 20115), (151, 20220), (156, 20232), (163, 20250), (172, 20289), (180, 20319), (200, 20376), (206, 20406), (208, 20412), (224, 20466), (226, 20472), (271, 20619), (273, 20622), (278, 20631), (284, 20649), (302, 20709), (304, 20718), (309, 20730), (325, 20781), (326, 20784), (380, 20949), (394, 21006), (417, 21090), (421, 21108), (423, 21117), (432, 21180), (459, 21300), (468, 21324), (471, 21345), (476, 21360), (480, 21378), (493, 21408), (512, 21498), (532, 21567), (537, 21600), (541, 21621), (549, 21657), (555, 21693), (563, 21738), (567, 21762), (568, 21768), (571, 21783), (574, 21801), (596, 21888), (602, 21912), (608, 21948), (610, 21954), (619, 21978), (656, 22053), (658, 22056), (689, 22143), (691, 22152), (692, 22158),

Gene: KADY_34 Start: 23364, Stop: 25115, Start Num: 29
Candidate Starts for KADY_34:
(Start: 29 @23364 has 108 MA's), (73, 23499), (95, 23565), (112, 23610), (124, 23646), (169, 23757), (173, 23778), (257, 23814), (377, 23835), (409, 23952), (438, 24090), (459, 24186), (463, 24189), (478, 24258), (488, 24282), (499, 24327), (511, 24375), (530, 24441), (561, 24612), (563, 24618), (572, 24669), (585, 24714), (593, 24744), (604, 24792), (612, 24834), (617, 24849), (619, 24852), (633, 24876), (685, 24978), (686, 24981), (690, 25005),

Gene: Kachowdy_31 Start: 22892, Stop: 24751, Start Num: 202
Candidate Starts for Kachowdy_31:
(Start: 202 @22892 has 32 MA's), (243, 23018), (245, 23027), (262, 23093), (268, 23114), (287, 23156), (337, 23312), (350, 23360), (371, 23429), (375, 23435), (387, 23465), (411, 23573), (414, 23591), (421, 23615), (472, 23855), (498, 23945), (529, 24062), (549, 24167), (560, 24233), (564, 24248), (602, 24419), (641, 24524), (665, 24578), (686, 24617), (699, 24671), (710, 24698), (714, 24722),

Gene: Kalb97_34 Start: 23360, Stop: 25168, Start Num: 29
Candidate Starts for Kalb97_34:
(Start: 29 @23360 has 108 MA's), (73, 23495), (95, 23561), (112, 23606), (124, 23642), (160, 23732), (170, 23756), (181, 23801), (187, 23831), (411, 23999), (414, 24017), (421, 24041), (452, 24203), (465, 24242), (472, 24281), (498, 24371), (537, 24533), (541, 24554), (557, 24641), (568, 24698), (571, 24713), (587, 24776), (604, 24851), (605, 24872), (647, 24965), (662, 25004), (669, 25013), (684, 25046), (714, 25145),

Gene: Kalnoky_34 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Kalnoky_34:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (114, 23610), (154, 23715), (170, 23757), (181, 23802), (187, 23832), (403, 23973), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: Kalpine_34 Start: 24570, Stop: 26348, Start Num: 33
Candidate Starts for Kalpine_34:
(Start: 33 @24570 has 2 MA's), (73, 24684), (75, 24693), (124, 24825), (391, 25092), (411, 25182), (414, 25200), (465, 25425), (472, 25464), (476, 25476), (498, 25554), (511, 25611), (527, 25665), (540, 25734), (563, 25851), (571, 25896), (586, 25953), (604, 26031), (605, 26052), (612, 26073), (647, 26145), (684, 26226), (690, 26256), (699, 26286), (715, 26331),

Gene: Keshu_26 Start: 21307, Stop: 23655, Start Num: 26
Candidate Starts for Keshu_26:
(Start: 26 @21307 has 55 MA's), (37, 21334), (49, 21367), (62, 21412), (170, 21676), (171, 21682), (173, 21694), (216, 21856), (252, 21976), (256, 21988), (268, 22042), (277, 22057), (280, 22063), (294, 22108), (299, 22123), (305, 22150), (311, 22165), (356, 22282), (366, 22330), (369, 22339), (384, 22372), (387, 22384), (393, 22417), (394, 22420), (398, 22444), (411, 22486), (415, 22507), (421, 22528), (423, 22537), (459, 22723), (478, 22792), (498, 22852), (510, 22900), (532, 22981), (537, 23014), (560, 23143), (564, 23158), (572, 23203), (573, 23212), (582, 23233), (592, 23278), (593, 23284), (599, 23311), (604, 23332), (613, 23374), (633, 23416), (646, 23446), (690, 23545), (691, 23551), (705, 23587),

Gene: Keziacharles14_31 Start: 22419, Stop: 24875, Start Num: 34
Candidate Starts for Keziacharles14_31:

(Start: 34 @22419 has 36 MA's), (71, 22524), (130, 22692), (198, 22947), (211, 23004), (242, 23106), (254, 23148), (314, 23337), (315, 23340), (319, 23355), (330, 23394), (343, 23439), (353, 23475), (411, 23700), (414, 23718), (463, 23940), (466, 23946), (471, 23979), (498, 24081), (529, 24198), (537, 24243), (549, 24303), (560, 24369), (564, 24384), (565, 24387), (568, 24408), (571, 24423), (572, 24429), (608, 24588), (637, 24648), (692, 24795),

Gene: KilKor_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for KilKor_21:
(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: KingCyrus_33 Start: 23177, Stop: 25654, Start Num: 36
Candidate Starts for KingCyrus_33:
(Start: 36 @23177 has 32 MA's), (46, 23198), (73, 23288), (75, 23297), (104, 23387), (122, 23435), (153, 23567), (207, 23786), (215, 23813), (229, 23855), (249, 23930), (292, 24071), (297, 24086), (312, 24137), (314, 24143), (343, 24245), (360, 24287), (406, 24455), (415, 24497), (421, 24518), (440, 24629), (442, 24632), (454, 24689), (471, 24755), (472, 24758), (476, 24770), (485, 24812), (489, 24821), (498, 24854), (511, 24911), (541, 25037), (548, 25073), (549, 25076), (577, 25226), (582, 25232), (594, 25286), (595, 25298), (598, 25307), (602, 25328), (614, 25382), (671, 25496), (681, 25523), (682, 25526), (695, 25580), (706, 25607),

Gene: Kingsolomon_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for Kingsolomon_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: KirDoubleO7_19 Start: 19718, Stop: 22231, Start Num: 10
Candidate Starts for KirDoubleO7_19:
(Start: 10 @19718 has 19 MA's), (16, 19781), (31, 19853), (65, 19949), (84, 20021), (118, 20108), (151, 20213), (163, 20243), (172, 20282), (180, 20312), (200, 20369), (206, 20399), (208, 20405), (224, 20459), (226, 20465), (271, 20612), (273, 20615), (278, 20624), (284, 20642), (302, 20702), (309, 20723), (325, 20774), (326, 20777), (332, 20804), (380, 20942), (394, 20999), (417, 21083), (421, 21101), (423, 21110), (432, 21173), (446, 21239), (459, 21293), (471, 21338), (476, 21353), (493, 21401), (512, 21491), (516, 21509), (530, 21554), (532, 21560), (537, 21593), (540, 21611), (549, 21650), (555, 21686), (563, 21731), (567, 21755), (571, 21776), (574, 21794), (584, 21827), (602, 21905), (608, 21941), (619, 21971), (656, 22046), (673, 22082), (691, 22145), (692, 22151),

Gene: KittenMittens_31 Start: 21406, Stop: 23688, Start Num: 29
Candidate Starts for KittenMittens_31:

(Start: 29 @21406 has 108 MA's), (45, 21439), (71, 21523), (91, 21589), (181, 21835), (183, 21844), (Start: 201 @21928 has 1 MA's), (228, 22003), (249, 22081), (267, 22156), (300, 22246), (309, 22279), (370, 22372), (411, 22519), (414, 22537), (421, 22561), (465, 22762), (472, 22801), (498, 22891), (511, 22948), (541, 23074), (543, 23083), (546, 23101), (549, 23113), (568, 23218), (571, 23233), (572, 23239), (582, 23272), (604, 23371), (605, 23392), (606, 23395), (633, 23452), (640, 23470), (641, 23473), (647, 23485), (662, 23524), (684, 23566), (685, 23569), (715, 23671),

Gene: Knocker_32 Start: 31412, Stop: 33868, Start Num: 23
Candidate Starts for Knocker_32:
(Start: 23 @31412 has 5 MA's), (25, 31421), (53, 31490), (62, 31526), (92, 31628), (131, 31715), (136, 31736), (141, 31763), (145, 31772), (159, 31823), (160, 31826), (165, 31838), (168, 31847), (225, 32075), (232, 32105), (234, 32111), (245, 32144), (263, 32210), (275, 32237), (286, 32264), (287, 32270), (296, 32297), (338, 32432), (343, 32450), (351, 32480), (363, 32519), (370, 32546), (391, 32603), (392, 32606), (411, 32693), (414, 32711), (421, 32735), (423, 32744), (454, 32906), (455, 32909), (471, 32972), (472, 32975), (476, 32987), (483, 33017), (489, 33032), (495, 33053), (498, 33065), (511, 33122), (515, 33140), (532, 33194), (536, 33224), (537, 33227), (540, 33245), (541, 33248), (545, 33269), (551, 33302), (553, 33317), (565, 33371), (568, 33392), (569, 33395), (574, 33425), (577, 33437), (586, 33464), (587, 33467), (592, 33488), (604, 33545), (606, 33569), (640, 33641), (671, 33707), (685, 33734), (686, 33737), (687, 33743), (699, 33791), (709, 33812), (715, 33848),

Gene: Kraw_28 Start: 22196, Stop: 24505, Start Num: 60
Candidate Starts for Kraw_28:
(Start: 60 @22196 has 18 MA's), (83, 22286), (95, 22307), (102, 22331), (168, 22448), (198, 22577), (212, 22637), (233, 22709), (236, 22718), (252, 22769), (254, 22775), (257, 22784), (268, 22835), (276, 22847), (281, 22862), (283, 22868), (294, 22901), (309, 22949), (334, 23003), (356, 23075), (364, 23114), (367, 23126), (373, 23141), (390, 23186), (404, 23255), (424, 23336), (452, 23489), (464, 23531), (494, 23660), (502, 23705), (516, 23771), (521, 23786), (541, 23882), (568, 24035), (571, 24050), (572, 24056), (577, 24080), (579, 24086), (580, 24092), (581, 24095), (586, 24119), (589, 24131), (607, 24227), (632, 24278), (633, 24281), (668, 24350), (685, 24386), (691, 24419), (714, 24482), (718, 24497),

Gene: Kristoff_34 Start: 23647, Stop: 25482, Start Num: 29
Candidate Starts for Kristoff_34:
(Start: 29 @23647 has 108 MA's), (45, 23680), (101, 23857), (173, 24049), (175, 24055), (181, 24076), (185, 24103), (402, 24283), (411, 24316), (414, 24334), (421, 24358), (439, 24466), (472, 24598), (489, 24655), (498, 24688), (511, 24745), (527, 24799), (531, 24814), (540, 24868), (560, 24976), (564, 24991), (568, 25015), (571, 25030), (600, 25147), (604, 25165), (605, 25186), (606, 25189), (640, 25264), (647, 25279), (684, 25360), (690, 25390), (699, 25420), (715, 25465), (716, 25468),

Gene: Krueger_26 Start: 20014, Stop: 22350, Start Num: 26
Candidate Starts for Krueger_26:
(Start: 20 @19981 has 5 MA's), (Start: 26 @20014 has 55 MA's), (Start: 29 @20023 has 108 MA's), (47, 20071), (49, 20074), (85, 20203), (104, 20254), (166, 20350), (168, 20359), (189, 20449), (198, 20488), (216, 20560), (218, 20569), (246, 20662), (268, 20743), (281, 20773), (294, 20812), (299, 20827), (305, 20851), (334, 20911), (348, 20956), (356, 20983), (364, 21022), (369, 21040), (373, 21049), (393, 21118), (394, 21121), (396, 21139), (411, 21181), (415, 21202), (420, 21217), (423, 21232), (436, 21319), (458, 21412), (459, 21415), (478, 21487), (495, 21535), (513, 21616), (524, 21640), (529, 21664), (530, 21670), (537, 21709), (572, 21898), (592, 21973), (604, 22027), (633, 22111), (640, 22129), (686, 22216), (690, 22240), (705, 22282), (720, 22342),

Gene: Krypton555_21 Start: 19647, Stop: 22160, Start Num: 10
Candidate Starts for Krypton555_21:

(Start: 10 @19647 has 19 MA's), (16, 19710), (31, 19782), (94, 19980), (148, 20124), (151, 20142), (156, 20154), (163, 20172), (172, 20211), (175, 20226), (180, 20241), (200, 20298), (206, 20328), (208, 20334), (224, 20388), (226, 20394), (244, 20451), (271, 20541), (273, 20544), (278, 20553), (284, 20571), (302, 20631), (325, 20703), (326, 20706), (368, 20850), (380, 20871), (394, 20928), (417, 21012), (421, 21030), (423, 21039), (459, 21222), (471, 21267), (476, 21282), (480, 21300), (493, 21330), (505, 21390), (512, 21420), (532, 21489), (537, 21522), (541, 21543), (549, 21579), (553, 21609), (567, 21684), (568, 21690), (571, 21705), (574, 21723), (584, 21756), (595, 21807), (596, 21810), (603, 21837), (608, 21870), (619, 21900), (656, 21975), (673, 22011), (691, 22074), (692, 22080), (718, 22152),

Gene: LBerry_33 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for LBerry_33:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: LadyBird_31 Start: 22727, Stop: 25135, Start Num: 34
Candidate Starts for LadyBird_31:
(Start: 34 @22727 has 36 MA's), (73, 22841), (107, 22934), (120, 22970), (175, 23120), (181, 23141), (183, 23150), (214, 23282), (241, 23372), (280, 23507), (290, 23540), (293, 23549), (323, 23648), (391, 23888), (411, 23978), (414, 23996), (421, 24020), (465, 24221), (472, 24260), (477, 24281), (489, 24317), (498, 24350), (500, 24371), (511, 24407), (527, 24461), (537, 24512), (541, 24533), (560, 24638), (564, 24653), (604, 24821), (612, 24863), (649, 24932), (713, 25103), (714, 25112), (715, 25118),

Gene: Lambert1_32 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for Lambert1_32:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Landor_33 Start: 24870, Stop: 26645, Start Num: 29
Candidate Starts for Landor_33:
(21, 24831), (Start: 29 @24870 has 108 MA's), (73, 24981), (75, 24990), (97, 25047), (107, 25074), (144, 25167), (235, 25260), (243, 25281), (333, 25311), (338, 25323), (402, 25446), (411, 25479), (414, 25497), (421, 25521), (442, 25635), (452, 25683), (465, 25722), (472, 25761), (476, 25773), (489, 25818), (537, 26013), (541, 26034), (559, 26127), (571, 26193), (590, 26265), (604, 26328), (640, 26427), (647, 26442), (684, 26523), (699, 26583), (715, 26628),

Gene: Larenn_32 Start: 23024, Stop: 25237, Start Num: 34
Candidate Starts for Larenn_32:
(Start: 34 @23024 has 36 MA's), (73, 23138), (77, 23153), (114, 23252), (142, 23327), (160, 23375), (168, 23387), (241, 23564), (251, 23603), (280, 23699), (290, 23732), (293, 23741), (311, 23801), (330, 23867), (411, 24053), (418, 24083), (421, 24095), (454, 24266), (472, 24335), (498, 24434), (527, 24545), (529, 24551), (530, 24557), (537, 24596), (541, 24617), (548, 24653), (549, 24656), (560, 24722), (586, 24833), (606, 24938), (633, 24992), (687, 25112), (699, 25160), (710, 25184),

Gene: LarryKay_33 Start: 23366, Stop: 25117, Start Num: 29
Candidate Starts for LarryKay_33:

(Start: 29 @23366 has 108 MA's), (73, 23501), (95, 23567), (112, 23612), (124, 23648), (169, 23759), (173, 23780), (257, 23816), (377, 23837), (409, 23954), (438, 24092), (459, 24188), (463, 24191), (478, 24260), (488, 24284), (499, 24329), (511, 24377), (530, 24443), (561, 24614), (563, 24620), (572, 24671), (585, 24716), (593, 24746), (604, 24794), (612, 24836), (617, 24851), (619, 24854), (633, 24878), (685, 24980), (686, 24983), (690, 25007),

Gene: LastHope_27 Start: 20175, Stop: 22487, Start Num: 60
Candidate Starts for LastHope_27:
(Start: 60 @20175 has 18 MA's), (109, 20325), (119, 20346), (162, 20403), (167, 20415), (178, 20469), (191, 20514), (200, 20556), (Start: 202 @20568 has 32 MA's), (215, 20613), (247, 20724), (254, 20745), (264, 20796), (271, 20811), (280, 20826), (305, 20907), (320, 20937), (334, 20976), (341, 20991), (355, 21051), (383, 21135), (397, 21207), (460, 21510), (464, 21516), (474, 21570), (475, 21573), (477, 21585), (484, 21612), (491, 21630), (493, 21636), (516, 21753), (521, 21768), (568, 22017), (571, 22032), (577, 22062), (586, 22101), (589, 22113), (607, 22209), (622, 22239), (640, 22281), (650, 22302), (674, 22344), (685, 22368), (686, 22371), (690, 22395), (691, 22401), (714, 22464), (718, 22479),

Gene: Lavahound_25 Start: 20978, Stop: 23365, Start Num: 26
Candidate Starts for Lavahound_25:
(Start: 26 @20978 has 55 MA's), (39, 21008), (Start: 44 @21026 has 1 MA's), (69, 21110), (153, 21284), (189, 21416), (210, 21506), (221, 21548), (238, 21599), (254, 21641), (255, 21644), (268, 21701), (280, 21725), (281, 21731), (294, 21770), (311, 21827), (340, 21923), (369, 22040), (394, 22109), (405, 22148), (408, 22157), (412, 22178), (423, 22220), (473, 22457), (474, 22460), (475, 22463), (487, 22502), (502, 22556), (540, 22730), (547, 22760), (560, 22847), (562, 22853), (585, 22955), (606, 23060), (608, 23066), (627, 23114), (673, 23207), (684, 23231), (690, 23261), (716, 23339),

Gene: Lea83_26 Start: 21295, Stop: 23643, Start Num: 26
Candidate Starts for Lea83_26:
(Start: 26 @21295 has 55 MA's), (37, 21322), (49, 21355), (62, 21400), (156, 21619), (170, 21664), (177, 21700), (183, 21718), (203, 21796), (216, 21844), (256, 21976), (268, 22030), (277, 22045), (311, 22153), (356, 22270), (365, 22312), (366, 22318), (369, 22327), (373, 22336), (387, 22381), (394, 22417), (396, 22435), (411, 22477), (415, 22498), (421, 22519), (423, 22528), (436, 22615), (458, 22708), (459, 22711), (478, 22783), (530, 22966), (540, 23023), (559, 23122), (562, 23140), (572, 23194), (582, 23224), (584, 23239), (585, 23242), (588, 23251), (592, 23269), (593, 23275), (599, 23302), (604, 23323), (609, 23353), (628, 23398), (633, 23407), (690, 23536), (705, 23575), (708, 23578),

Gene: Lebo14_28 Start: 22289, Stop: 24595, Start Num: 60
Candidate Starts for Lebo14_28:
(Start: 60 @22289 has 18 MA's), (95, 22400), (102, 22424), (168, 22541), (198, 22670), (210, 22721), (212, 22730), (221, 22763), (233, 22802), (236, 22811), (254, 22868), (257, 22877), (268, 22928), (276, 22940), (281, 22955), (283, 22961), (294, 22994), (309, 23042), (334, 23096), (356, 23168), (364, 23207), (367, 23219), (373, 23234), (390, 23279), (404, 23348), (424, 23429), (452, 23582), (475, 23681), (477, 23693), (502, 23798), (516, 23864), (519, 23876), (521, 23879), (541, 23975), (568, 24128), (571, 24143), (572, 24149), (577, 24173), (586, 24212), (607, 24320), (633, 24374), (641, 24395), (648, 24410), (686, 24479), (691, 24509), (718, 24587),

Gene: Leogania_33 Start: 24913, Stop: 26691, Start Num: 29
Candidate Starts for Leogania_33:
(Start: 29 @24913 has 108 MA's), (73, 25024), (75, 25033), (107, 25120), (257, 25336), (333, 25357), (338, 25369), (406, 25504), (411, 25525), (414, 25543), (421, 25567), (439, 25675), (472, 25807), (489, 25864), (498, 25897), (511, 25954), (560, 26185), (568, 26224), (571, 26239), (604, 26374),

(606, 26398), (608, 26404), (640, 26473), (647, 26488), (662, 26527), (669, 26536), (684, 26569), (715, 26674), (718, 26683),

Gene: Leviathan_33 Start: 23260, Stop: 25464, Start Num: 34
Candidate Starts for Leviathan_33:
(Start: 34 @23260 has 36 MA's), (73, 23374), (75, 23383), (77, 23389), (107, 23473), (160, 23611), (170, 23635), (183, 23689), (241, 23800), (280, 23935), (293, 23977), (315, 24049), (406, 24268), (411, 24289), (414, 24307), (421, 24331), (439, 24439), (465, 24532), (472, 24571), (498, 24661), (511, 24718), (512, 24721), (529, 24778), (530, 24784), (537, 24823), (541, 24844), (577, 25033), (584, 25054), (606, 25165), (673, 25303), (692, 25369), (699, 25387), (719, 25456),

Gene: LilPharaoh_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for LilPharaoh_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: LilTurb_33 Start: 23263, Stop: 25467, Start Num: 34
Candidate Starts for LilTurb_33:
(Start: 34 @23263 has 36 MA's), (73, 23377), (75, 23386), (88, 23419), (107, 23476), (160, 23614), (241, 23803), (280, 23938), (293, 23980), (315, 24052), (411, 24292), (414, 24310), (421, 24334), (439, 24442), (465, 24535), (472, 24574), (498, 24664), (511, 24721), (512, 24724), (529, 24781), (530, 24787), (537, 24826), (541, 24847), (577, 25036), (586, 25063), (630, 25216), (640, 25240), (664, 25294), (666, 25297), (686, 25336), (687, 25342), (699, 25390),

Gene: Lilith_33 Start: 23270, Stop: 25027, Start Num: 29
Candidate Starts for Lilith_33:
(Start: 29 @23270 has 108 MA's), (73, 23405), (95, 23471), (112, 23516), (124, 23552), (173, 23684), (257, 23720), (377, 23741), (394, 23798), (409, 23858), (424, 23912), (432, 23972), (459, 24092), (463, 24095), (478, 24164), (488, 24188), (511, 24281), (516, 24302), (530, 24347), (597, 24677), (612, 24746), (641, 24809), (712, 24980),

Gene: Lilleskat_31 Start: 24377, Stop: 26143, Start Num: 32
Candidate Starts for Lilleskat_31:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: LionsBait_32 Start: 24478, Stop: 26265, Start Num: 34
Candidate Starts for LionsBait_32:
(Start: 34 @24478 has 36 MA's), (46, 24502), (73, 24592), (75, 24601), (88, 24634), (107, 24691), (144, 24784), (406, 25075), (411, 25096), (414, 25114), (421, 25138), (465, 25339), (472, 25378), (498, 25468), (511, 25525), (541, 25651), (560, 25756), (571, 25810), (604, 25948), (606, 25972), (647, 26062), (662, 26101), (678, 26125), (684, 26143), (715, 26248),

Gene: LiyuLake_21 Start: 19709, Stop: 22219, Start Num: 10
Candidate Starts for LiyuLake_21:

(Start: 10 @19709 has 19 MA's), (16, 19772), (51, 19892), (110, 20078), (151, 20204), (156, 20216), (163, 20234), (172, 20273), (180, 20303), (206, 20390), (224, 20450), (226, 20456), (269, 20597), (273, 20603), (278, 20612), (284, 20630), (302, 20690), (309, 20711), (325, 20762), (326, 20765), (346, 20834), (394, 20987), (417, 21071), (421, 21089), (423, 21098), (443, 21209), (446, 21227), (459, 21281), (471, 21326), (476, 21341), (493, 21389), (512, 21479), (516, 21497), (532, 21548), (537, 21581), (540, 21599), (541, 21602), (549, 21638), (553, 21668), (555, 21674), (563, 21719), (567, 21743), (568, 21749), (571, 21764), (574, 21782), (584, 21815), (585, 21818), (596, 21869), (610, 21935), (619, 21959), (656, 22034), (673, 22070), (692, 22139),

Gene: Lokk_34 Start: 24358, Stop: 26142, Start Num: 34
Candidate Starts for Lokk_34:
(Start: 34 @24358 has 36 MA's), (46, 24382), (73, 24472), (75, 24481), (95, 24538), (391, 24886), (392, 24889), (411, 24976), (414, 24994), (421, 25018), (439, 25126), (465, 25219), (472, 25258), (498, 25348), (512, 25408), (527, 25459), (537, 25510), (541, 25531), (550, 25576), (568, 25675), (571, 25690), (574, 25708), (605, 25846), (612, 25867), (647, 25939), (656, 25957), (662, 25978), (675, 25999), (684, 26020), (699, 26080), (715, 26125),

Gene: Lolly9_21 Start: 19528, Stop: 22035, Start Num: 10
Candidate Starts for Lolly9_21:
(Start: 10 @19528 has 19 MA's), (16, 19591), (31, 19663), (51, 19711), (110, 19897), (151, 20023), (163, 20053), (172, 20092), (180, 20122), (206, 20209), (214, 20236), (224, 20269), (226, 20275), (244, 20326), (269, 20413), (273, 20419), (278, 20428), (284, 20446), (302, 20506), (309, 20527), (325, 20578), (326, 20581), (346, 20650), (394, 20803), (417, 20887), (421, 20905), (423, 20914), (459, 21097), (468, 21121), (471, 21142), (476, 21157), (493, 21205), (512, 21295), (513, 21304), (537, 21397), (540, 21415), (541, 21418), (555, 21490), (567, 21559), (568, 21565), (571, 21580), (574, 21598), (584, 21631), (585, 21634), (596, 21685), (602, 21709), (610, 21751), (619, 21775), (656, 21850), (658, 21853), (692, 21955),

Gene: LoneWolf_32 Start: 23970, Stop: 25736, Start Num: 32
Candidate Starts for LoneWolf_32:
(Start: 32 @23970 has 26 MA's), (95, 24156), (115, 24204), (130, 24246), (154, 24291), (157, 24300), (170, 24324), (243, 24369), (257, 24378), (335, 24402), (382, 24438), (411, 24567), (414, 24585), (422, 24615), (425, 24624), (455, 24783), (465, 24810), (472, 24849), (498, 24939), (511, 24996), (530, 25062), (540, 25119), (564, 25242), (571, 25281), (604, 25419), (605, 25440), (606, 25443), (633, 25500), (647, 25533), (690, 25644), (715, 25719),

Gene: LongHai_25 Start: 19700, Stop: 22018, Start Num: 24
Candidate Starts for LongHai_25:
(Start: 24 @19700 has 2 MA's), (88, 19901), (103, 19946), (106, 19958), (144, 20069), (165, 20135), (217, 20249), (226, 20276), (291, 20498), (297, 20516), (306, 20552), (325, 20612), (372, 20687), (385, 20714), (391, 20741), (397, 20777), (410, 20834), (449, 21029), (470, 21098), (472, 21116), (474, 21122), (475, 21125), (476, 21128), (505, 21245), (506, 21251), (529, 21329), (538, 21377), (539, 21380), (552, 21458), (560, 21509), (564, 21524), (566, 21536), (582, 21599), (586, 21620), (591, 21641), (604, 21698), (605, 21719), (619, 21758), (640, 21800), (656, 21833), (660, 21839), (662, 21854), (692, 21938),

Gene: Loser_35 Start: 25033, Stop: 26811, Start Num: 36
Candidate Starts for Loser_35:
(Start: 36 @25033 has 32 MA's), (73, 25144), (75, 25153), (89, 25186), (107, 25240), (120, 25276), (124, 25288), (130, 25300), (243, 25447), (257, 25456), (333, 25477), (338, 25489), (391, 25555), (406, 25624), (411, 25645), (414, 25663), (421, 25687), (438, 25786), (439, 25795), (472, 25927), (489, 25984), (498, 26017), (511, 26074), (527, 26128), (540, 26197), (564, 26320), (571, 26359), (585, 26413), (604, 26494), (605, 26515), (612, 26536), (647, 26608), (684, 26689),

Gene: Louie6_33 Start: 23364, Stop: 25115, Start Num: 29
Candidate Starts for Louie6_33:
(Start: 29 @23364 has 108 MA's), (73, 23499), (95, 23565), (112, 23610), (124, 23646), (169, 23757), (173, 23778), (257, 23814), (377, 23835), (409, 23952), (438, 24090), (459, 24186), (463, 24189), (478, 24258), (488, 24282), (499, 24327), (511, 24375), (530, 24441), (561, 24612), (563, 24618), (572, 24669), (585, 24714), (593, 24744), (604, 24792), (612, 24834), (617, 24849), (619, 24852), (633, 24876), (685, 24978), (686, 24981), (690, 25005),

Gene: Lowa_33 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for Lowa_33:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: Luchador_33 Start: 23273, Stop: 25723, Start Num: 34
Candidate Starts for Luchador_33:
(Start: 34 @23273 has 36 MA's), (38, 23279), (108, 23489), (130, 23546), (137, 23567), (198, 23798), (229, 23909), (279, 24083), (292, 24125), (312, 24182), (314, 24188), (319, 24206), (325, 24227), (327, 24233), (330, 24245), (406, 24524), (421, 24587), (442, 24701), (454, 24758), (471, 24824), (472, 24827), (476, 24839), (485, 24881), (498, 24923), (537, 25085), (541, 25106), (549, 25145), (569, 25253), (577, 25295), (584, 25316), (594, 25355), (602, 25397), (625, 25466), (671, 25565), (681, 25592), (682, 25595), (695, 25649), (706, 25676),

Gene: LugYA_35 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for LugYA_35:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Lumos_21 Start: 19721, Stop: 22234, Start Num: 10
Candidate Starts for Lumos_21:
(Start: 10 @19721 has 19 MA's), (16, 19784), (31, 19856), (64, 19946), (65, 19952), (84, 20024), (118, 20111), (151, 20216), (156, 20228), (163, 20246), (172, 20285), (180, 20315), (200, 20372), (206, 20402), (208, 20408), (224, 20462), (226, 20468), (271, 20615), (273, 20618), (278, 20627), (284, 20645), (302, 20705), (304, 20714), (309, 20726), (325, 20777), (326, 20780), (380, 20945), (394, 21002), (417, 21086), (421, 21104), (423, 21113), (432, 21176), (459, 21296), (468, 21320), (471, 21341), (476, 21356), (480, 21374), (493, 21404), (512, 21494), (532, 21563), (537, 21596), (541, 21617), (549, 21653), (555, 21689), (563, 21734), (567, 21758), (568, 21764), (571, 21779), (574, 21797), (596, 21884), (602, 21908), (608, 21944), (610, 21950), (619, 21974), (656, 22049), (658, 22052), (689, 22139), (691, 22148), (692, 22154),

Gene: MA5_31 Start: 22455, Stop: 24314, Start Num: 202
Candidate Starts for MA5_31:
(Start: 202 @22455 has 32 MA's), (227, 22533), (248, 22599), (262, 22656), (291, 22731), (337, 22875), (343, 22896), (350, 22923), (375, 22998), (392, 23049), (411, 23136), (414, 23154), (421, 23178), (472, 23418), (498, 23508), (540, 23688), (549, 23730), (560, 23796), (564, 23811), (568, 23835), (602, 23982), (606, 24012), (665, 24141), (699, 24234), (710, 24261), (714, 24285), (715, 24291),

Gene: MK4_31 Start: 22761, Stop: 24620, Start Num: 202

Candidate Starts for MK4_31:
(Start: 202 @22761 has 32 MA's), (243, 22887), (248, 22905), (254, 22920), (262, 22962), (287, 23025), (336, 23178), (337, 23181), (343, 23202), (350, 23229), (375, 23304), (392, 23355), (411, 23442), (414, 23460), (421, 23484), (446, 23622), (472, 23724), (489, 23781), (498, 23814), (524, 23907), (529, 23931), (549, 24036), (560, 24102), (564, 24117), (602, 24288), (641, 24393), (665, 24447), (686, 24486), (699, 24540), (710, 24567), (714, 24591),

Gene: MacnCheese_27 Start: 21549, Stop: 24002, Start Num: 26
Candidate Starts for MacnCheese_27:
(Start: 26 @21549 has 55 MA's), (37, 21576), (49, 21609), (Start: 54 @21621 has 1 MA's), (76, 21714), (156, 21978), (170, 22023), (173, 22041), (177, 22059), (183, 22077), (199, 22137), (203, 22155), (212, 22191), (230, 22242), (268, 22389), (311, 22512), (356, 22629), (365, 22671), (366, 22677), (369, 22686), (383, 22710), (394, 22776), (396, 22794), (411, 22836), (415, 22857), (421, 22878), (423, 22887), (436, 22974), (458, 23067), (459, 23070), (478, 23142), (513, 23271), (516, 23280), (530, 23325), (532, 23331), (537, 23364), (540, 23382), (559, 23481), (562, 23499), (572, 23553), (584, 23598), (593, 23634), (604, 23682), (633, 23766), (690, 23895), (705, 23934),

Gene: Maco6_22 Start: 18657, Stop: 20975, Start Num: 24
Candidate Starts for Maco6_22:
(Start: 24 @18657 has 2 MA's), (88, 18858), (103, 18903), (106, 18915), (144, 19026), (165, 19092), (226, 19233), (261, 19365), (274, 19404), (279, 19416), (291, 19455), (297, 19473), (306, 19509), (325, 19569), (372, 19644), (385, 19671), (397, 19734), (410, 19791), (449, 19986), (451, 19989), (470, 20055), (472, 20073), (474, 20079), (475, 20082), (476, 20085), (506, 20208), (518, 20256), (529, 20286), (537, 20331), (539, 20337), (546, 20379), (552, 20415), (560, 20466), (564, 20481), (567, 20499), (582, 20556), (586, 20577), (591, 20598), (604, 20655), (605, 20676), (619, 20715), (640, 20757), (656, 20790), (660, 20796), (662, 20811), (692, 20895),

Gene: MadMarie_33 Start: 23279, Stop: 25036, Start Num: 29
Candidate Starts for MadMarie_33:
(Start: 29 @23279 has 108 MA's), (73, 23414), (95, 23480), (112, 23525), (124, 23561), (173, 23693), (257, 23729), (377, 23750), (394, 23807), (409, 23867), (424, 23921), (432, 23981), (459, 24101), (463, 24104), (478, 24173), (488, 24197), (511, 24290), (516, 24311), (530, 24356), (597, 24686), (612, 24755), (641, 24818), (712, 24989),

Gene: Mainiac_33 Start: 23270, Stop: 25027, Start Num: 29
Candidate Starts for Mainiac_33:
(Start: 29 @23270 has 108 MA's), (73, 23405), (95, 23471), (112, 23516), (124, 23552), (173, 23684), (257, 23720), (377, 23741), (394, 23798), (409, 23858), (424, 23912), (432, 23972), (459, 24092), (463, 24095), (478, 24164), (488, 24188), (511, 24281), (516, 24302), (530, 24347), (597, 24677), (612, 24746), (641, 24809), (712, 24980),

Gene: MalagasyRose_27 Start: 20187, Stop: 22691, Start Num: 44
Candidate Starts for MalagasyRose_27:
(Start: 44 @20187 has 1 MA's), (105, 20397), (111, 20412), (123, 20445), (135, 20496), (194, 20712), (195, 20715), (200, 20736), (241, 20868), (242, 20871), (253, 20913), (254, 20916), (266, 20970), (267, 20973), (268, 20976), (272, 20982), (282, 21009), (292, 21039), (304, 21084), (315, 21114), (339, 21189), (359, 21270), (361, 21279), (369, 21315), (386, 21351), (393, 21402), (395, 21414), (411, 21501), (412, 21510), (421, 21543), (428, 21582), (438, 21642), (461, 21750), (478, 21822), (496, 21876), (508, 21939), (511, 21954), (517, 21978), (522, 21996), (526, 22014), (527, 22020), (531, 22035), (537, 22071), (541, 22092), (543, 22101), (558, 22191), (585, 22335), (589, 22347), (592, 22359), (602, 22407), (603, 22410), (604, 22413), (612, 22455), (630, 22476), (640, 22497), (641, 22500), (647, 22512), (689, 22596), (718, 22683),

Gene: Malinsilva_35 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for Malinsilva_35:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: Malthus_29 Start: 22196, Stop: 24505, Start Num: 60
Candidate Starts for Malthus_29:
(Start: 60 @22196 has 18 MA's), (83, 22286), (95, 22307), (102, 22331), (168, 22448), (198, 22577), (212, 22637), (233, 22709), (236, 22718), (252, 22769), (254, 22775), (257, 22784), (268, 22835), (276, 22847), (281, 22862), (283, 22868), (294, 22901), (309, 22949), (334, 23003), (356, 23075), (364, 23114), (367, 23126), (373, 23141), (390, 23186), (404, 23255), (424, 23336), (452, 23489), (464, 23531), (494, 23660), (502, 23705), (516, 23771), (521, 23786), (541, 23882), (568, 24035), (571, 24050), (572, 24056), (577, 24080), (579, 24086), (580, 24092), (581, 24095), (586, 24119), (589, 24131), (607, 24227), (632, 24278), (633, 24281), (668, 24350), (685, 24386), (691, 24419), (713, 24473), (714, 24482), (718, 24497),

Gene: Maminiaina_32 Start: 23915, Stop: 25681, Start Num: 32
Candidate Starts for Maminiaina_32:
(Start: 32 @23915 has 26 MA's), (89, 24080), (95, 24101), (121, 24167), (124, 24179), (130, 24191), (154, 24236), (157, 24245), (160, 24254), (243, 24314), (257, 24323), (335, 24347), (382, 24383), (401, 24476), (411, 24512), (414, 24530), (465, 24755), (469, 24776), (472, 24794), (498, 24884), (511, 24941), (524, 24977), (540, 25064), (564, 25187), (568, 25211), (571, 25226), (585, 25283), (605, 25385), (606, 25388), (647, 25478), (690, 25589), (715, 25664),

Gene: Manu_34 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Manu_34:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (160, 23733), (170, 23757), (181, 23802), (187, 23832), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: MarQuardt_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for MarQuardt_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: Marchesa_31 Start: 22890, Stop: 24749, Start Num: 202
Candidate Starts for Marchesa_31:
(Start: 202 @22890 has 32 MA's), (243, 23016), (245, 23025), (262, 23091), (268, 23112), (287, 23154), (337, 23310), (350, 23358), (371, 23427), (375, 23433), (387, 23463), (411, 23571), (414, 23589), (421, 23613), (472, 23853), (498, 23943), (529, 24060), (549, 24165), (560, 24231), (564, 24246), (602, 24417), (641, 24522), (665, 24576), (686, 24615), (699, 24669), (710, 24696), (714, 24720),

Gene: Marcoliusprime_23 Start: 18661, Stop: 21000, Start Num: 26
Candidate Starts for Marcoliusprime_23:
(Start: 26 @18661 has 55 MA's), (79, 18832), (85, 18850), (91, 18874), (168, 19018), (174, 19051), (209, 19180), (211, 19189), (216, 19204), (219, 19216), (221, 19225), (236, 19273), (262, 19369),

(268, 19387), (280, 19408), (294, 19453), (334, 19555), (356, 19627), (365, 19669), (366, 19675), (369, 19684), (393, 19771), (396, 19792), (411, 19834), (415, 19855), (436, 19972), (439, 19981), (462, 20071), (476, 20125), (478, 20137), (486, 20161), (516, 20275), (526, 20302), (537, 20359), (549, 20416), (572, 20548), (582, 20578), (593, 20629), (596, 20647), (604, 20677), (621, 20731), (633, 20761), (641, 20782), (697, 20914),

Gene: Margo_32 Start: 23399, Stop: 25258, Start Num: 202
Candidate Starts for Margo_32:
(Start: 202 @23399 has 32 MA's), (248, 23543), (262, 23600), (268, 23621), (287, 23663), (293, 23681), (343, 23840), (350, 23867), (387, 23972), (392, 23993), (411, 24080), (421, 24122), (472, 24362), (498, 24452), (511, 24509), (549, 24674), (559, 24728), (560, 24740), (564, 24755), (594, 24884), (595, 24896), (606, 24956), (610, 24968), (635, 25013), (641, 25031), (699, 25178), (710, 25205), (715, 25235),

Gene: Marie_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for Marie_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: Marius_34 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Marius_34:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (160, 23733), (170, 23757), (181, 23802), (187, 23832), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: McMater_27 Start: 20230, Stop: 22731, Start Num: 26
Candidate Starts for McMater_27:
(Start: 26 @20230 has 55 MA's), (Start: 44 @20278 has 1 MA's), (61, 20329), (79, 20401), (99, 20452), (104, 20470), (117, 20503), (147, 20524), (153, 20536), (170, 20590), (189, 20668), (198, 20707), (211, 20764), (221, 20800), (238, 20851), (250, 20881), (255, 20896), (260, 20920), (268, 20953), (280, 20974), (281, 20980), (294, 21019), (340, 21172), (348, 21205), (351, 21217), (366, 21280), (393, 21364), (428, 21547), (437, 21601), (446, 21643), (497, 21835), (498, 21841), (502, 21865), (515, 21928), (526, 21967), (539, 22030), (549, 22087), (554, 22120), (556, 22138), (563, 22177), (570, 22216), (571, 22222), (584, 22279), (608, 22393), (634, 22447), (640, 22462), (655, 22492), (661, 22504), (684, 22561), (688, 22579), (695, 22609), (701, 22627), (717, 22708),

Gene: Mdavu_23 Start: 20402, Stop: 22888, Start Num: 26
Candidate Starts for Mdavu_23:
(Start: 26 @20402 has 55 MA's), (Start: 44 @20450 has 1 MA's), (101, 20630), (102, 20633), (147, 20696), (153, 20708), (189, 20840), (198, 20879), (211, 20936), (218, 20960), (221, 20972), (236, 21020), (238, 21023), (250, 21056), (260, 21095), (268, 21128), (276, 21140), (280, 21149), (281, 21155), (301, 21221), (305, 21236), (340, 21347), (348, 21380), (369, 21464), (376, 21479), (393, 21539), (404, 21608), (429, 21728), (446, 21821), (472, 21935), (497, 22013), (498, 22019), (502, 22043), (515, 22106), (516, 22109), (519, 22121), (534, 22187), (535, 22193), (544, 22235), (547, 22256), (549, 22265), (554, 22298), (556, 22316), (568, 22385), (592, 22484), (593, 22490), (596, 22508), (605, 22562), (610, 22577), (623, 22604), (655, 22661),

Gene: Megiddo_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for Megiddo_21:

(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: Methuselah_32 Start: 23360, Stop: 25111, Start Num: 29
Candidate Starts for Methuselah_32:
(Start: 29 @23360 has 108 MA's), (73, 23495), (90, 23552), (95, 23561), (112, 23606), (124, 23642), (169, 23753), (173, 23774), (257, 23810), (377, 23831), (409, 23948), (438, 24086), (459, 24182), (463, 24185), (478, 24254), (488, 24278), (499, 24323), (511, 24371), (530, 24437), (561, 24608), (563, 24614), (572, 24665), (585, 24710), (593, 24740), (604, 24788), (612, 24830), (617, 24845), (619, 24848), (633, 24872), (685, 24974), (686, 24977), (690, 25001),

Gene: Microwolf_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for Microwolf_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: MiculUcigas_31 Start: 22775, Stop: 24997, Start Num: 34
Candidate Starts for MiculUcigas_31:
(Start: 34 @22775 has 36 MA's), (73, 22889), (77, 22904), (170, 23150), (183, 23204), (241, 23315), (251, 23354), (280, 23450), (311, 23552), (411, 23801), (418, 23831), (421, 23843), (454, 24014), (472, 24083), (498, 24182), (527, 24293), (529, 24299), (530, 24305), (537, 24344), (548, 24401), (549, 24404), (560, 24470), (577, 24554), (595, 24626), (629, 24746), (683, 24857), (695, 24908), (699, 24920),

Gene: Miko_34 Start: 24326, Stop: 26263, Start Num: 34
Candidate Starts for Miko_34:
(Start: 34 @24326 has 36 MA's), (46, 24350), (73, 24440), (75, 24449), (95, 24506), (391, 25007), (411, 25097), (414, 25115), (421, 25139), (439, 25247), (465, 25340), (472, 25379), (498, 25469), (512, 25529), (537, 25631), (541, 25652), (568, 25796), (571, 25811), (605, 25967), (612, 25988), (647, 26060), (656, 26078), (675, 26120), (684, 26141), (699, 26201), (715, 26246),

Gene: Milly_23 Start: 18661, Stop: 21000, Start Num: 26
Candidate Starts for Milly_23:
(Start: 26 @18661 has 55 MA's), (79, 18832), (85, 18850), (91, 18874), (168, 19018), (174, 19051), (209, 19180), (211, 19189), (216, 19204), (219, 19216), (221, 19225), (236, 19273), (262, 19369), (268, 19387), (280, 19408), (294, 19453), (334, 19555), (356, 19627), (365, 19669), (366, 19675), (369, 19684), (393, 19771), (396, 19792), (411, 19834), (415, 19855), (436, 19972), (439, 19981), (448, 20017), (462, 20071), (476, 20125), (478, 20137), (486, 20161), (516, 20275), (526, 20302), (537, 20359), (572, 20548), (582, 20578), (593, 20629), (604, 20677), (621, 20731), (633, 20761), (641, 20782), (697, 20914),

Gene: MiniLon_21 Start: 19528, Stop: 22035, Start Num: 10
Candidate Starts for MiniLon_21:

(Start: 10 @19528 has 19 MA's), (16, 19591), (31, 19663), (51, 19711), (110, 19897), (151, 20023), (163, 20053), (172, 20092), (180, 20122), (206, 20209), (214, 20236), (224, 20269), (226, 20275), (244, 20326), (269, 20413), (273, 20419), (278, 20428), (284, 20446), (302, 20506), (309, 20527), (325, 20578), (326, 20581), (346, 20650), (394, 20803), (417, 20887), (421, 20905), (423, 20914), (459, 21097), (468, 21121), (471, 21142), (476, 21157), (493, 21205), (512, 21295), (513, 21304), (537, 21397), (540, 21415), (541, 21418), (555, 21490), (567, 21559), (568, 21565), (571, 21580), (574, 21598), (584, 21631), (585, 21634), (596, 21685), (602, 21709), (610, 21751), (619, 21775), (656, 21850), (658, 21853), (692, 21955),

Gene: MiniMac_21 Start: 19529, Stop: 22036, Start Num: 10
Candidate Starts for MiniMac_21:
(Start: 10 @19529 has 19 MA's), (16, 19592), (31, 19664), (51, 19712), (110, 19898), (151, 20024), (163, 20054), (172, 20093), (180, 20123), (206, 20210), (214, 20237), (224, 20270), (226, 20276), (244, 20327), (269, 20414), (273, 20420), (278, 20429), (284, 20447), (302, 20507), (309, 20528), (325, 20579), (326, 20582), (346, 20651), (394, 20804), (417, 20888), (421, 20906), (423, 20915), (459, 21098), (468, 21122), (471, 21143), (476, 21158), (493, 21206), (512, 21296), (513, 21305), (537, 21398), (540, 21416), (541, 21419), (555, 21491), (567, 21560), (568, 21566), (571, 21581), (574, 21599), (584, 21632), (585, 21635), (596, 21686), (602, 21710), (610, 21752), (619, 21776), (656, 21851), (658, 21854), (692, 21956),

Gene: Misomonster_35 Start: 23363, Stop: 25114, Start Num: 29
Candidate Starts for Misomonster_35:
(Start: 29 @23363 has 108 MA's), (73, 23498), (95, 23564), (112, 23609), (124, 23645), (169, 23756), (173, 23777), (257, 23813), (377, 23834), (409, 23951), (438, 24089), (459, 24185), (463, 24188), (478, 24257), (488, 24281), (499, 24326), (511, 24374), (530, 24440), (561, 24611), (563, 24617), (572, 24668), (585, 24713), (593, 24743), (604, 24791), (612, 24833), (617, 24848), (619, 24851), (633, 24875), (685, 24977), (686, 24980), (690, 25004),

Gene: MissDaisy_28 Start: 22035, Stop: 24344, Start Num: 60
Candidate Starts for MissDaisy_28:
(Start: 60 @22035 has 18 MA's), (72, 22083), (74, 22092), (95, 22146), (104, 22179), (168, 22287), (183, 22353), (198, 22416), (210, 22467), (212, 22476), (221, 22509), (236, 22557), (254, 22614), (268, 22674), (276, 22686), (281, 22701), (283, 22707), (294, 22740), (309, 22788), (334, 22842), (356, 22914), (404, 23094), (424, 23175), (452, 23328), (464, 23370), (477, 23439), (499, 23526), (502, 23544), (507, 23571), (516, 23610), (521, 23625), (541, 23721), (568, 23874), (571, 23889), (572, 23895), (579, 23925), (580, 23931), (586, 23958), (589, 23970), (607, 24066), (633, 24120), (641, 24141), (686, 24228), (691, 24258), (718, 24336),

Gene: Mitti_28 Start: 22196, Stop: 24505, Start Num: 60
Candidate Starts for Mitti_28:
(Start: 60 @22196 has 18 MA's), (95, 22307), (102, 22331), (168, 22448), (198, 22577), (212, 22637), (233, 22709), (236, 22718), (254, 22775), (257, 22784), (268, 22835), (276, 22847), (281, 22862), (283, 22868), (294, 22901), (309, 22949), (334, 23003), (356, 23075), (364, 23114), (367, 23126), (373, 23141), (390, 23186), (404, 23255), (424, 23336), (452, 23489), (464, 23531), (475, 23588), (477, 23600), (484, 23630), (502, 23705), (507, 23732), (516, 23771), (521, 23786), (541, 23882), (568, 24035), (571, 24050), (572, 24056), (579, 24086), (580, 24092), (586, 24119), (589, 24131), (607, 24227), (633, 24281), (641, 24302), (686, 24389), (691, 24419), (718, 24497),

Gene: MoneyMay_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for MoneyMay_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683),

(612, 24752), (641, 24815), (712, 24986),

Gene: Montavir_32 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for Montavir_32:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Moostard_21 Start: 19727, Stop: 22240, Start Num: 10
Candidate Starts for Moostard_21:
(Start: 10 @19727 has 19 MA's), (16, 19790), (31, 19862), (64, 19952), (65, 19958), (84, 20030), (151, 20222), (156, 20234), (163, 20252), (172, 20291), (180, 20321), (200, 20378), (206, 20408), (208, 20414), (224, 20468), (226, 20474), (271, 20621), (273, 20624), (278, 20633), (284, 20651), (302, 20711), (304, 20720), (309, 20732), (325, 20783), (326, 20786), (380, 20951), (394, 21008), (417, 21092), (421, 21110), (423, 21119), (432, 21182), (459, 21302), (471, 21347), (476, 21362), (480, 21380), (493, 21410), (512, 21500), (532, 21569), (537, 21602), (541, 21623), (549, 21659), (555, 21695), (563, 21740), (567, 21764), (568, 21770), (571, 21785), (574, 21803), (584, 21836), (596, 21890), (602, 21914), (608, 21950), (610, 21956), (619, 21980), (689, 22145), (691, 22154), (692, 22160),

Gene: MsGreen_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for MsGreen_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: MuchMore_35 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for MuchMore_35:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: Muddy_24 Start: 19607, Stop: 21925, Start Num: 24
Candidate Starts for Muddy_24:
(Start: 24 @19607 has 2 MA's), (88, 19808), (103, 19853), (106, 19865), (129, 19931), (132, 19943), (144, 19976), (165, 20042), (226, 20183), (261, 20315), (279, 20366), (291, 20405), (297, 20423), (306, 20459), (325, 20519), (372, 20594), (385, 20621), (397, 20684), (410, 20741), (449, 20936), (470, 21005), (472, 21023), (474, 21029), (475, 21032), (476, 21035), (505, 21152), (506, 21158), (529, 21236), (538, 21284), (539, 21287), (552, 21365), (560, 21416), (564, 21431), (566, 21443), (582, 21506), (586, 21527), (591, 21548), (604, 21605), (605, 21626), (619, 21665), (640, 21707), (656, 21740), (660, 21746), (662, 21761), (692, 21845),

Gene: Mufasa_23 Start: 18681, Stop: 21020, Start Num: 26
Candidate Starts for Mufasa_23:

(Start: 26 @18681 has 55 MA's), (101, 18921), (166, 19029), (168, 19038), (172, 19059), (176, 19083), (212, 19212), (216, 19224), (236, 19293), (280, 19428), (286, 19446), (294, 19473), (334, 19575), (356, 19647), (365, 19689), (366, 19695), (369, 19704), (371, 19710), (393, 19791), (396, 19812), (411, 19854), (415, 19875), (423, 19905), (436, 19992), (439, 20001), (448, 20037), (462, 20091), (476, 20145), (478, 20157), (498, 20217), (512, 20277), (516, 20295), (526, 20322), (537, 20379), (572, 20568), (582, 20598), (599, 20676), (604, 20697), (613, 20739), (628, 20772), (633, 20781), (641, 20802), (658, 20829), (690, 20910), (697, 20934),

Gene: Myxus_33 Start: 24377, Stop: 26143, Start Num: 32
Candidate Starts for Myxus_33:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: NaSiaTalie_31 Start: 22773, Stop: 24995, Start Num: 34
Candidate Starts for NaSiaTalie_31:
(Start: 34 @22773 has 36 MA's), (73, 22887), (75, 22896), (77, 22902), (85, 22923), (97, 22959), (124, 23034), (160, 23124), (168, 23136), (241, 23313), (251, 23352), (280, 23448), (411, 23799), (418, 23829), (421, 23841), (454, 24012), (472, 24081), (498, 24180), (527, 24291), (529, 24297), (530, 24303), (537, 24342), (548, 24399), (549, 24402), (560, 24468), (577, 24552), (595, 24624), (633, 24750), (635, 24753), (683, 24855), (687, 24870), (699, 24918),

Gene: Nicholas_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for Nicholas_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: NicoleTera_35 Start: 24630, Stop: 26411, Start Num: 34
Candidate Starts for NicoleTera_35:
(Start: 34 @24630 has 36 MA's), (73, 24744), (75, 24753), (107, 24840), (384, 25128), (411, 25245), (414, 25263), (421, 25287), (465, 25488), (472, 25527), (537, 25779), (540, 25797), (560, 25905), (568, 25944), (571, 25959), (580, 25989), (605, 26115), (612, 26136), (647, 26208), (675, 26268), (684, 26289), (715, 26394),

Gene: Nikao_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Nikao_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673), (668, 22703),

Gene: Niklas_27 Start: 20233, Stop: 22734, Start Num: 26
Candidate Starts for Niklas_27:
(Start: 26 @20233 has 55 MA's), (Start: 44 @20281 has 1 MA's), (61, 20332), (79, 20404), (99, 20455), (104, 20473), (117, 20506), (147, 20527), (153, 20539), (170, 20593), (189, 20671), (198, 20710), (211, 20767), (221, 20803), (238, 20854), (250, 20884), (255, 20899), (260, 20923), (268, 20956), (280, 20977), (281, 20983), (294, 21022), (340, 21175), (348, 21208), (351, 21220), (366, 21283), (393, 21367), (428, 21550), (437, 21604), (446, 21646), (497, 21838), (498, 21844), (502, 21868), (515, 21931), (526, 21970), (539, 22033), (549, 22090), (554, 22123), (556, 22141), (563, 22180), (570, 22219), (571, 22225), (584, 22282), (608, 22396), (634, 22450), (640, 22465), (655, 22495), (661, 22507), (684, 22564), (688, 22582), (695, 22612), (701, 22630), (717, 22711),

Gene: Noella_32 Start: 23374, Stop: 25233, Start Num: 202
Candidate Starts for Noella_32:
(Start: 202 @23374 has 32 MA's), (248, 23518), (255, 23536), (262, 23575), (268, 23596), (287, 23638), (293, 23656), (343, 23815), (350, 23842), (387, 23947), (392, 23968), (411, 24055), (421, 24097), (472, 24337), (498, 24427), (511, 24484), (549, 24649), (559, 24703), (560, 24715), (564, 24730), (594, 24859), (595, 24871), (606, 24931), (610, 24943), (635, 24988), (641, 25006), (699, 25153), (710, 25180), (715, 25210),

Gene: Norbert_31 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for Norbert_31:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: NothingSpecial_33 Start: 24784, Stop: 26571, Start Num: 36
Candidate Starts for NothingSpecial_33:
(Start: 36 @24784 has 32 MA's), (46, 24805), (70, 24883), (73, 24895), (74, 24898), (75, 24904), (77, 24910), (99, 24979), (130, 25057), (338, 25246), (411, 25402), (414, 25420), (421, 25444), (465, 25645), (498, 25774), (500, 25795), (511, 25831), (530, 25897), (541, 25957), (571, 26116), (572, 26122), (587, 26179), (590, 26191), (605, 26275), (647, 26368), (662, 26407), (684, 26449), (696, 26503), (713, 26539),

Gene: November_25 Start: 21214, Stop: 23631, Start Num: 26
Candidate Starts for November_25:
(Start: 26 @21214 has 55 MA's), (Start: 29 @21223 has 108 MA's), (Start: 44 @21262 has 1 MA's), (79, 21385), (101, 21442), (104, 21454), (143, 21496), (210, 21742), (238, 21835), (254, 21877), (255, 21880), (259, 21901), (280, 21961), (281, 21967), (311, 22063), (340, 22159), (369, 22276), (405, 22384), (410, 22402), (412, 22414), (441, 22558), (473, 22693), (474, 22696), (475, 22699), (487, 22738), (502, 22792), (509, 22825), (513, 22846), (534, 22933), (539, 22954), (540, 22966), (560, 23083), (562, 23089), (589, 23218), (592, 23230), (595, 23251), (605, 23305), (615, 23335), (626, 23356), (640, 23383), (642, 23389), (680, 23458), (707, 23563), (720, 23623),

Gene: Nutello_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Nutello_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547,

22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: OKCentral2016_32 Start: 22976, Stop: 24811, Start Num: 29
Candidate Starts for OKCentral2016_32:
(Start: 29 @22976 has 108 MA's), (45, 23009), (52, 23024), (160, 23336), (170, 23360), (173, 23378), (174, 23381), (175, 23384), (181, 23405), (185, 23432), (411, 23645), (414, 23663), (421, 23687), (445, 23822), (448, 23831), (472, 23927), (489, 23984), (498, 24017), (527, 24128), (540, 24197), (560, 24305), (564, 24320), (571, 24359), (572, 24365), (590, 24431), (604, 24494), (605, 24515), (606, 24518), (608, 24524), (612, 24536), (640, 24593), (647, 24608), (651, 24617), (678, 24671), (684, 24689), (699, 24749), (715, 24794), (716, 24797),

Gene: OlanP_33 Start: 23541, Stop: 25349, Start Num: 29
Candidate Starts for OlanP_33:
(Start: 29 @23541 has 108 MA's), (73, 23676), (95, 23742), (112, 23787), (124, 23823), (160, 23913), (170, 23937), (181, 23982), (187, 24012), (411, 24180), (414, 24198), (421, 24222), (452, 24384), (465, 24423), (472, 24462), (489, 24519), (498, 24552), (537, 24714), (541, 24735), (557, 24822), (568, 24879), (571, 24894), (587, 24957), (604, 25032), (605, 25053), (647, 25146), (662, 25185), (684, 25227), (714, 25326),

Gene: Ollie_33 Start: 23147, Stop: 24904, Start Num: 29
Candidate Starts for Ollie_33:
(Start: 29 @23147 has 108 MA's), (73, 23282), (95, 23348), (112, 23393), (124, 23429), (173, 23561), (257, 23597), (377, 23618), (394, 23675), (409, 23735), (424, 23789), (432, 23849), (459, 23969), (463, 23972), (478, 24041), (488, 24065), (511, 24158), (516, 24179), (530, 24224), (597, 24554), (612, 24623), (641, 24686), (712, 24857),

Gene: OmniCritical_28 Start: 22181, Stop: 24490, Start Num: 60
Candidate Starts for OmniCritical_28:
(Start: 60 @22181 has 18 MA's), (95, 22292), (102, 22316), (168, 22433), (198, 22562), (210, 22613), (212, 22622), (233, 22694), (236, 22703), (254, 22760), (257, 22769), (268, 22820), (276, 22832), (281, 22847), (283, 22853), (294, 22886), (309, 22934), (334, 22988), (356, 23060), (364, 23099), (367, 23111), (373, 23126), (390, 23171), (404, 23240), (424, 23321), (452, 23474), (475, 23573), (477, 23585), (502, 23690), (516, 23756), (521, 23771), (541, 23867), (568, 24020), (571, 24035), (572, 24041), (577, 24065), (586, 24104), (607, 24212), (632, 24263), (633, 24266), (686, 24374), (691, 24404), (718, 24482),

Gene: Onglai_32 Start: 22711, Stop: 24477, Start Num: 32
Candidate Starts for Onglai_32:
(Start: 32 @22711 has 26 MA's), (38, 22723), (95, 22897), (130, 22987), (154, 23032), (157, 23041), (257, 23119), (335, 23143), (382, 23179), (411, 23308), (414, 23326), (465, 23551), (469, 23572), (472, 23590), (498, 23680), (511, 23737), (540, 23860), (564, 23983), (571, 24022), (585, 24079), (604, 24160), (605, 24181), (606, 24184), (640, 24259), (647, 24274), (690, 24385), (715, 24460),

Gene: P28Green_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for P28Green_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: PGHhamlin_35 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for PGHhamlin_35:

(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: PackMan_33 Start: 24377, Stop: 26143, Start Num: 32
Candidate Starts for PackMan_33:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: Panamaxus_31 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for Panamaxus_31:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Panchino_20 Start: 17533, Stop: 20178, Start Num: 9
Candidate Starts for Panchino_20:
(7, 17521), (Start: 9 @17533 has 17 MA's), (12, 17545), (28, 17656), (40, 17680), (Start: 41 @17683 has 2 MA's), (Start: 44 @17692 has 1 MA's), (61, 17740), (130, 17965), (133, 17977), (139, 17998), (153, 18043), (170, 18097), (188, 18175), (195, 18205), (203, 18241), (208, 18262), (212, 18277), (226, 18319), (240, 18352), (260, 18427), (264, 18451), (266, 18457), (272, 18469), (287, 18511), (289, 18517), (322, 18616), (357, 18736), (362, 18754), (370, 18787), (386, 18814), (393, 18865), (431, 19075), (444, 19141), (451, 19177), (478, 19288), (498, 19351), (535, 19513), (539, 19528), (549, 19579), (568, 19696), (576, 19741), (589, 19783), (596, 19819), (606, 19873), (628, 19921), (690, 20065), (707, 20122), (715, 20161), (718, 20170),

Gene: Patt_28 Start: 22014, Stop: 24320, Start Num: 60
Candidate Starts for Patt_28:
(Start: 60 @22014 has 18 MA's), (68, 22044), (72, 22062), (95, 22125), (168, 22266), (183, 22332), (198, 22395), (210, 22446), (212, 22455), (221, 22488), (236, 22536), (254, 22593), (268, 22653), (276, 22665), (281, 22680), (283, 22686), (294, 22719), (309, 22767), (334, 22821), (356, 22893), (404, 23073), (424, 23154), (452, 23307), (464, 23349), (475, 23406), (477, 23418), (499, 23505), (502, 23523), (516, 23589), (521, 23604), (568, 23853), (571, 23868), (572, 23874), (577, 23898), (586, 23937), (589, 23949), (607, 24045), (623, 24081), (632, 24096), (633, 24099), (641, 24120), (648, 24135), (686, 24204), (691, 24234), (718, 24312),

Gene: Pawn_33 Start: 23361, Stop: 25169, Start Num: 29
Candidate Starts for Pawn_33:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (160, 23733), (170, 23757), (181, 23802), (187, 23832), (411, 24000), (414, 24018), (421, 24042), (452, 24204), (465, 24243), (472, 24282), (498, 24372), (537, 24534), (541, 24555), (557, 24642), (568, 24699), (571, 24714), (587, 24777), (604, 24852), (605, 24873), (647, 24966), (662, 25005), (684, 25047), (714, 25146),

Gene: PeaceMeal1_31 Start: 21407, Stop: 23689, Start Num: 29
Candidate Starts for PeaceMeal1_31:
(Start: 29 @21407 has 108 MA's), (45, 21440), (71, 21524), (91, 21590), (144, 21722), (181, 21836), (183, 21845), (Start: 201 @21929 has 1 MA's), (228, 22004), (249, 22082), (267, 22157), (300, 22247),

(370, 22373), (391, 22430), (411, 22520), (414, 22538), (421, 22562), (465, 22763), (472, 22802), (498, 22892), (511, 22949), (537, 23054), (541, 23075), (543, 23084), (546, 23102), (549, 23114), (560, 23180), (568, 23219), (571, 23234), (572, 23240), (582, 23273), (604, 23372), (605, 23393), (606, 23396), (633, 23453), (640, 23471), (641, 23474), (647, 23486), (662, 23525), (684, 23567), (685, 23570), (715, 23672),

Gene: Peanam_27 Start: 20230, Stop: 22731, Start Num: 26
Candidate Starts for Peanam_27:
(Start: 26 @20230 has 55 MA's), (Start: 44 @20278 has 1 MA's), (61, 20329), (79, 20401), (99, 20452), (104, 20470), (117, 20503), (147, 20524), (153, 20536), (170, 20590), (189, 20668), (198, 20707), (211, 20764), (221, 20800), (238, 20851), (250, 20881), (255, 20896), (260, 20920), (268, 20953), (280, 20974), (281, 20980), (294, 21019), (340, 21172), (348, 21205), (351, 21217), (366, 21280), (393, 21364), (428, 21547), (437, 21601), (446, 21643), (497, 21835), (498, 21841), (502, 21865), (515, 21928), (526, 21967), (539, 22030), (549, 22087), (554, 22120), (556, 22138), (563, 22177), (570, 22216), (571, 22222), (584, 22279), (608, 22393), (634, 22447), (640, 22462), (655, 22492), (661, 22504), (684, 22561), (688, 22579), (695, 22609), (701, 22627), (717, 22708),

Gene: Pembroke_33 Start: 23278, Stop: 25035, Start Num: 29
Candidate Starts for Pembroke_33:
(Start: 29 @23278 has 108 MA's), (73, 23413), (95, 23479), (112, 23524), (124, 23560), (173, 23692), (257, 23728), (377, 23749), (394, 23806), (409, 23866), (424, 23920), (432, 23980), (459, 24100), (463, 24103), (478, 24172), (488, 24196), (511, 24289), (516, 24310), (530, 24355), (597, 24685), (612, 24754), (641, 24817), (712, 24988),

Gene: PenguinLover67_32 Start: 30945, Stop: 33434, Start Num: 22
Candidate Starts for PenguinLover67_32:
(6, 30792), (Start: 22 @30945 has 5 MA's), (57, 31044), (59, 31050), (62, 31062), (77, 31119), (128, 31266), (138, 31317), (141, 31326), (157, 31380), (196, 31533), (218, 31614), (219, 31617), (236, 31677), (245, 31704), (295, 31860), (296, 31863), (301, 31884), (338, 31998), (351, 32046), (378, 32124), (387, 32148), (392, 32169), (410, 32253), (411, 32256), (414, 32274), (447, 32439), (454, 32469), (465, 32499), (472, 32538), (476, 32550), (483, 32580), (495, 32616), (498, 32628), (530, 32751), (531, 32754), (532, 32757), (533, 32763), (536, 32787), (548, 32847), (551, 32865), (564, 32931), (565, 32934), (568, 32955), (582, 33006), (586, 33027), (606, 33132), (662, 33258), (686, 33300), (692, 33336), (699, 33354), (710, 33381),

Gene: Penny1_33 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for Penny1_33:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Phaded_35 Start: 25217, Stop: 26992, Start Num: 29
Candidate Starts for Phaded_35:
(21, 25178), (Start: 29 @25217 has 108 MA's), (73, 25328), (75, 25337), (97, 25394), (107, 25421), (144, 25514), (235, 25607), (243, 25628), (257, 25637), (333, 25658), (338, 25670), (402, 25793), (411, 25826), (414, 25844), (421, 25868), (442, 25982), (465, 26069), (472, 26108), (476, 26120), (489, 26165), (537, 26360), (541, 26381), (571, 26540), (572, 26546), (590, 26612), (604, 26675), (605, 26696), (647, 26789), (684, 26870), (690, 26900), (699, 26930), (715, 26975),

Gene: Phaeder_33 Start: 24377, Stop: 26143, Start Num: 32
Candidate Starts for Phaeder_33:

(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: Phalm_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for Phalm_21:
(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: Phantastic_31 Start: 22796, Stop: 24658, Start Num: 201
Candidate Starts for Phantastic_31:
(Start: 201 @22796 has 1 MA's), (262, 23000), (275, 23033), (321, 23171), (328, 23195), (335, 23213), (387, 23372), (411, 23480), (415, 23501), (421, 23522), (472, 23762), (489, 23819), (498, 23852), (540, 24032), (549, 24074), (560, 24140), (564, 24155), (602, 24326), (610, 24368), (641, 24431), (665, 24485), (667, 24488), (686, 24524), (699, 24578), (710, 24605), (714, 24629),

Gene: Pharb_26 Start: 21154, Stop: 23529, Start Num: 26
Candidate Starts for Pharb_26:
(Start: 26 @21154 has 55 MA's), (37, 21181), (49, 21214), (66, 21274), (69, 21289), (99, 21379), (104, 21397), (170, 21523), (171, 21529), (174, 21544), (183, 21577), (197, 21634), (198, 21637), (203, 21655), (216, 21703), (236, 21772), (252, 21823), (280, 21910), (294, 21955), (311, 22012), (334, 22057), (348, 22102), (356, 22129), (365, 22171), (366, 22177), (369, 22186), (412, 22324), (430, 22414), (475, 22609), (534, 22840), (535, 22846), (537, 22855), (539, 22861), (547, 22903), (552, 22933), (560, 22990), (562, 22996), (586, 23101), (595, 23146), (605, 23200), (608, 23209), (622, 23239), (688, 23389), (702, 23431), (709, 23464), (718, 23509),

Gene: PhelpsODU_26 Start: 20093, Stop: 22432, Start Num: 26
Candidate Starts for PhelpsODU_26:
(Start: 26 @20093 has 55 MA's), (47, 20150), (79, 20264), (85, 20282), (104, 20333), (113, 20354), (166, 20432), (189, 20531), (192, 20543), (216, 20642), (218, 20651), (246, 20744), (268, 20825), (281, 20855), (286, 20867), (288, 20876), (294, 20894), (299, 20909), (305, 20933), (334, 20993), (348, 21038), (356, 21065), (369, 21122), (373, 21131), (393, 21200), (394, 21203), (396, 21221), (411, 21263), (415, 21284), (423, 21314), (436, 21401), (452, 21464), (459, 21497), (478, 21569), (495, 21617), (498, 21629), (513, 21698), (524, 21722), (537, 21791), (572, 21980), (592, 22055), (596, 22079), (628, 22184), (633, 22193), (640, 22211), (686, 22298), (690, 22322), (705, 22364), (720, 22424),

Gene: Phineas_21 Start: 19035, Stop: 21668, Start Num: 9
Candidate Starts for Phineas_21:
(Start: 9 @19035 has 17 MA's), (11, 19044), (Start: 41 @19188 has 2 MA's), (130, 19461), (133, 19473), (139, 19494), (148, 19518), (170, 19593), (188, 19665), (195, 19695), (203, 19731), (220, 19794), (226, 19809), (240, 19842), (260, 19917), (264, 19941), (266, 19947), (272, 19959), (287, 20001), (289, 20007), (318, 20094), (326, 20115), (333, 20139), (354, 20205), (357, 20226), (362, 20244), (370, 20277), (384, 20301), (386, 20304), (393, 20355), (412, 20460), (423, 20502), (451, 20667), (475, 20763), (498, 20841), (501, 20853), (523, 20943), (535, 21003), (537, 21012), (546,

21060), (549, 21069), (568, 21186), (576, 21231), (589, 21273), (604, 21339), (606, 21363), (628, 21411), (632, 21417), (635, 21423), (683, 21522), (686, 21531), (691, 21561), (715, 21651), (718, 21660),

Gene: PhishRPhriends_32 Start: 22545, Stop: 24353, Start Num: 29
Candidate Starts for PhishRPhriends_32:
(Start: 29 @22545 has 108 MA's), (73, 22680), (95, 22746), (112, 22791), (124, 22827), (160, 22917), (170, 22941), (181, 22986), (187, 23016), (411, 23184), (414, 23202), (421, 23226), (452, 23388), (465, 23427), (472, 23466), (498, 23556), (537, 23718), (541, 23739), (557, 23826), (571, 23898), (587, 23961), (604, 24036), (605, 24057), (647, 24150), (662, 24189), (684, 24231), (714, 24330),

Gene: Phloss_20 Start: 17556, Stop: 20201, Start Num: 9
Candidate Starts for Phloss_20:
(7, 17544), (Start: 9 @17556 has 17 MA's), (12, 17568), (13, 17580), (18, 17634), (40, 17703), (Start: 41 @17706 has 2 MA's), (Start: 44 @17715 has 1 MA's), (50, 17730), (103, 17907), (130, 17988), (132, 17997), (149, 18054), (154, 18069), (190, 18201), (200, 18249), (203, 18264), (208, 18285), (220, 18327), (226, 18342), (230, 18351), (240, 18378), (241, 18384), (260, 18453), (264, 18474), (266, 18480), (270, 18489), (281, 18516), (301, 18582), (304, 18594), (318, 18627), (322, 18639), (357, 18759), (362, 18777), (370, 18810), (393, 18888), (412, 18993), (423, 19035), (467, 19254), (474, 19293), (475, 19296), (478, 19311), (498, 19374), (510, 19422), (535, 19536), (541, 19566), (546, 19593), (549, 19602), (568, 19719), (576, 19764), (589, 19806), (604, 19872), (606, 19896), (628, 19944), (632, 19950), (635, 19956), (640, 19971), (683, 20055), (691, 20094), (715, 20184), (718, 20193),

Gene: Phoebe_33 Start: 23275, Stop: 25032, Start Num: 29
Candidate Starts for Phoebe_33:
(Start: 29 @23275 has 108 MA's), (73, 23410), (95, 23476), (112, 23521), (124, 23557), (173, 23689), (257, 23725), (377, 23746), (394, 23803), (409, 23863), (424, 23917), (432, 23977), (459, 24097), (463, 24100), (478, 24169), (488, 24193), (511, 24286), (516, 24307), (530, 24352), (597, 24682), (612, 24751), (641, 24814), (712, 24985),

Gene: Phonnegut_33 Start: 24410, Stop: 26176, Start Num: 32
Candidate Starts for Phonnegut_33:
(Start: 32 @24410 has 26 MA's), (38, 24422), (95, 24596), (130, 24686), (154, 24731), (157, 24740), (257, 24818), (335, 24842), (382, 24878), (411, 25007), (414, 25025), (465, 25250), (469, 25271), (472, 25289), (498, 25379), (511, 25436), (540, 25559), (564, 25682), (571, 25721), (585, 25778), (604, 25859), (605, 25880), (606, 25883), (640, 25958), (647, 25973), (690, 26084), (715, 26159),

Gene: Phoxy_33 Start: 23361, Stop: 25112, Start Num: 29
Candidate Starts for Phoxy_33:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (169, 23754), (173, 23775), (257, 23811), (377, 23832), (409, 23949), (438, 24087), (459, 24183), (463, 24186), (478, 24255), (488, 24279), (499, 24324), (511, 24372), (530, 24438), (561, 24609), (563, 24615), (572, 24666), (585, 24711), (593, 24741), (604, 24789), (612, 24831), (617, 24846), (619, 24849), (633, 24873), (685, 24975), (686, 24978), (690, 25002),

Gene: Phrank_26 Start: 20046, Stop: 22382, Start Num: 26
Candidate Starts for Phrank_26:
(Start: 26 @20046 has 55 MA's), (Start: 44 @20094 has 1 MA's), (47, 20103), (79, 20217), (85, 20235), (104, 20286), (166, 20382), (168, 20391), (189, 20481), (192, 20493), (216, 20592), (218, 20601), (246, 20694), (268, 20775), (281, 20805), (286, 20817), (294, 20844), (299, 20859), (305, 20883), (334, 20943), (348, 20988), (356, 21015), (364, 21054), (369, 21072), (373, 21081), (393, 21150), (394, 21153), (396, 21171), (411, 21213), (415, 21234), (423, 21264), (436, 21351), (452, 21414),

(459, 21447), (465, 21456), (478, 21519), (495, 21567), (498, 21579), (513, 21648), (524, 21672), (530, 21702), (537, 21741), (572, 21930), (592, 22005), (604, 22059), (633, 22143), (640, 22161), (686, 22248), (690, 22272), (705, 22314), (720, 22374),

Gene: Phranny_34 Start: 23353, Stop: 25161, Start Num: 29
Candidate Starts for Phranny_34:
(Start: 29 @23353 has 108 MA's), (73, 23488), (95, 23554), (112, 23599), (114, 23602), (170, 23749), (181, 23794), (187, 23824), (411, 23992), (414, 24010), (421, 24034), (452, 24196), (465, 24235), (472, 24274), (498, 24364), (537, 24526), (541, 24547), (557, 24634), (571, 24706), (587, 24769), (604, 24844), (605, 24865), (647, 24958), (662, 24997), (684, 25039), (714, 25138),

Gene: Pioneer_33 Start: 24410, Stop: 26176, Start Num: 32
Candidate Starts for Pioneer_33:
(Start: 32 @24410 has 26 MA's), (38, 24422), (95, 24596), (130, 24686), (154, 24731), (157, 24740), (257, 24818), (335, 24842), (382, 24878), (411, 25007), (414, 25025), (465, 25250), (469, 25271), (472, 25289), (498, 25379), (511, 25436), (540, 25559), (564, 25682), (571, 25721), (585, 25778), (604, 25859), (605, 25880), (606, 25883), (640, 25958), (647, 25973), (690, 26084), (715, 26159),

Gene: Piro94_32 Start: 23234, Stop: 25318, Start Num: 34
Candidate Starts for Piro94_32:
(Start: 34 @23234 has 36 MA's), (73, 23348), (77, 23363), (114, 23462), (160, 23585), (168, 23597), (174, 23630), (241, 23774), (246, 23795), (280, 23909), (291, 23945), (411, 24146), (414, 24164), (421, 24188), (438, 24287), (465, 24389), (472, 24428), (476, 24440), (498, 24518), (529, 24635), (530, 24641), (541, 24701), (560, 24806), (564, 24821), (595, 24962), (596, 24965), (605, 25016), (610, 25031), (620, 25055), (644, 25109), (654, 25133), (692, 25238), (716, 25304),

Gene: Pistachio_32 Start: 22385, Stop: 24244, Start Num: 202
Candidate Starts for Pistachio_32:
(Start: 202 @22385 has 32 MA's), (248, 22529), (254, 22544), (262, 22586), (305, 22709), (321, 22757), (335, 22799), (337, 22805), (343, 22826), (411, 23066), (418, 23096), (427, 23144), (452, 23270), (465, 23309), (472, 23348), (489, 23405), (498, 23438), (537, 23600), (538, 23603), (549, 23660), (560, 23726), (564, 23741), (606, 23942), (662, 24068), (665, 24071), (695, 24152), (699, 24164), (710, 24191), (715, 24221),

Gene: Pixie_26 Start: 21086, Stop: 23437, Start Num: 26
Candidate Starts for Pixie_26:
(Start: 26 @21086 has 55 MA's), (37, 21113), (49, 21146), (76, 21251), (156, 21410), (170, 21455), (177, 21491), (183, 21509), (203, 21587), (216, 21635), (256, 21767), (268, 21821), (277, 21836), (311, 21944), (356, 22061), (365, 22103), (366, 22109), (369, 22118), (373, 22127), (394, 22208), (396, 22226), (411, 22268), (415, 22289), (421, 22310), (423, 22319), (436, 22406), (458, 22499), (459, 22502), (478, 22574), (515, 22709), (516, 22712), (530, 22757), (537, 22796), (540, 22814), (559, 22913), (562, 22931), (572, 22985), (582, 23015), (585, 23033), (592, 23060), (593, 23066), (604, 23114), (628, 23189), (633, 23198), (641, 23219), (645, 23228), (690, 23327), (705, 23369),

Gene: Pocahontas_32 Start: 23370, Stop: 25229, Start Num: 202
Candidate Starts for Pocahontas_32:
(Start: 202 @23370 has 32 MA's), (248, 23514), (255, 23532), (262, 23571), (268, 23592), (287, 23634), (293, 23652), (343, 23811), (350, 23838), (387, 23943), (392, 23964), (411, 24051), (421, 24093), (472, 24333), (498, 24423), (511, 24480), (549, 24645), (559, 24699), (560, 24711), (564, 24726), (594, 24855), (595, 24867), (606, 24927), (610, 24939), (635, 24984), (641, 25002), (699, 25149), (710, 25176), (715, 25206),

Gene: Poompha_31 Start: 21405, Stop: 23687, Start Num: 29

Candidate Starts for Poompha_31:
(Start: 29 @21405 has 108 MA's), (45, 21438), (71, 21522), (91, 21588), (124, 21675), (144, 21720), (181, 21834), (183, 21843), (Start: 201 @21927 has 1 MA's), (228, 22002), (249, 22080), (267, 22155), (370, 22371), (391, 22428), (411, 22518), (414, 22536), (421, 22560), (423, 22569), (465, 22761), (472, 22800), (498, 22890), (511, 22947), (537, 23052), (543, 23082), (546, 23100), (549, 23112), (568, 23217), (571, 23232), (572, 23238), (582, 23271), (604, 23370), (605, 23391), (606, 23394), (633, 23451), (640, 23469), (641, 23472), (647, 23484), (662, 23523), (684, 23565), (685, 23568), (715, 23670),

Gene: Popcicle_32 Start: 23370, Stop: 25229, Start Num: 202
Candidate Starts for Popcicle_32:
(Start: 202 @23370 has 32 MA's), (248, 23514), (255, 23532), (262, 23571), (268, 23592), (287, 23634), (293, 23652), (343, 23811), (350, 23838), (387, 23943), (392, 23964), (411, 24051), (421, 24093), (472, 24333), (498, 24423), (511, 24480), (549, 24645), (559, 24699), (560, 24711), (564, 24726), (594, 24855), (595, 24867), (606, 24927), (610, 24939), (635, 24984), (641, 25002), (699, 25149), (710, 25176), (715, 25206),

Gene: PotatoSplit_34 Start: 23277, Stop: 25034, Start Num: 29
Candidate Starts for PotatoSplit_34:
(Start: 29 @23277 has 108 MA's), (73, 23412), (95, 23478), (112, 23523), (124, 23559), (173, 23691), (257, 23727), (377, 23748), (394, 23805), (409, 23865), (424, 23919), (432, 23979), (459, 24099), (463, 24102), (478, 24171), (488, 24195), (511, 24288), (516, 24309), (530, 24354), (597, 24684), (612, 24753), (641, 24816), (712, 24987),

Gene: Power_31 Start: 22692, Stop: 24893, Start Num: 36
Candidate Starts for Power_31:
(Start: 36 @22692 has 32 MA's), (46, 22713), (75, 22812), (77, 22818), (88, 22845), (89, 22848), (107, 22902), (120, 22938), (160, 23040), (241, 23229), (279, 23361), (280, 23364), (303, 23442), (411, 23718), (414, 23736), (421, 23760), (465, 23961), (472, 24000), (498, 24090), (511, 24147), (529, 24207), (537, 24252), (541, 24273), (560, 24378), (564, 24393), (568, 24417), (577, 24462), (586, 24489), (595, 24534), (606, 24594), (614, 24618), (687, 24768), (699, 24816), (710, 24840),

Gene: Priya_33 Start: 24444, Stop: 26210, Start Num: 32
Candidate Starts for Priya_33:
(Start: 32 @24444 has 26 MA's), (95, 24630), (130, 24720), (154, 24765), (157, 24774), (257, 24852), (335, 24876), (382, 24912), (411, 25041), (414, 25059), (465, 25284), (469, 25305), (472, 25323), (498, 25413), (511, 25470), (540, 25593), (564, 25716), (571, 25755), (585, 25812), (604, 25893), (605, 25914), (606, 25917), (647, 26007), (690, 26118), (715, 26193),

Gene: Prudy_34 Start: 25130, Stop: 26905, Start Num: 36
Candidate Starts for Prudy_34:
(15, 25031), (Start: 36 @25130 has 32 MA's), (73, 25241), (75, 25250), (120, 25370), (124, 25382), (130, 25394), (170, 25496), (338, 25583), (398, 25688), (402, 25706), (411, 25739), (414, 25757), (421, 25781), (465, 25982), (472, 26021), (489, 26078), (498, 26111), (505, 26141), (540, 26291), (560, 26399), (564, 26414), (571, 26453), (605, 26609), (612, 26630), (647, 26702), (684, 26783), (699, 26843), (715, 26888),

Gene: Puppy_32 Start: 22455, Stop: 24314, Start Num: 202
Candidate Starts for Puppy_32:
(Start: 202 @22455 has 32 MA's), (248, 22599), (254, 22614), (262, 22656), (305, 22779), (321, 22827), (335, 22869), (337, 22875), (343, 22896), (411, 23136), (418, 23166), (427, 23214), (452, 23340), (465, 23379), (472, 23418), (489, 23475), (498, 23508), (537, 23670), (538, 23673), (549, 23730), (560, 23796), (564, 23811), (606, 24012), (662, 24138), (665, 24141), (695, 24222), (699,

24234), (710, 24261), (715, 24291),

Gene: PurpleHaze_33 Start: 23360, Stop: 25168, Start Num: 29
Candidate Starts for PurpleHaze_33:
(Start: 29 @23360 has 108 MA's), (73, 23495), (95, 23561), (112, 23606), (124, 23642), (160, 23732), (170, 23756), (181, 23801), (187, 23831), (411, 23999), (414, 24017), (421, 24041), (452, 24203), (465, 24242), (472, 24281), (498, 24371), (537, 24533), (541, 24554), (557, 24641), (568, 24698), (571, 24713), (587, 24776), (604, 24851), (605, 24872), (647, 24965), (662, 25004), (684, 25046), (714, 25145),

Gene: Qhanda_29 Start: 22292, Stop: 24601, Start Num: 60
Candidate Starts for Qhanda_29:
(Start: 60 @22292 has 18 MA's), (95, 22403), (102, 22427), (168, 22544), (198, 22673), (210, 22724), (212, 22733), (221, 22766), (233, 22805), (236, 22814), (254, 22871), (257, 22880), (268, 22931), (276, 22943), (281, 22958), (283, 22964), (294, 22997), (309, 23045), (334, 23099), (356, 23171), (364, 23210), (367, 23222), (373, 23237), (390, 23282), (404, 23351), (424, 23432), (452, 23585), (475, 23684), (477, 23696), (502, 23801), (516, 23867), (521, 23882), (541, 23978), (568, 24131), (571, 24146), (572, 24152), (577, 24176), (586, 24215), (589, 24227), (607, 24323), (633, 24377), (641, 24398), (686, 24485), (691, 24515), (718, 24593),

Gene: Qobbit_33 Start: 24407, Stop: 26173, Start Num: 32
Candidate Starts for Qobbit_33:
(Start: 32 @24407 has 26 MA's), (95, 24593), (130, 24683), (154, 24728), (157, 24737), (257, 24815), (335, 24839), (382, 24875), (411, 25004), (414, 25022), (465, 25247), (469, 25268), (472, 25286), (498, 25376), (511, 25433), (540, 25556), (564, 25679), (571, 25718), (585, 25775), (604, 25856), (605, 25877), (606, 25880), (647, 25970), (690, 26081), (715, 26156),

Gene: QueenB2_31 Start: 22756, Stop: 24954, Start Num: 36
Candidate Starts for QueenB2_31:
(Start: 36 @22756 has 32 MA's), (46, 22777), (75, 22876), (107, 22966), (120, 23002), (160, 23104), (168, 23116), (241, 23293), (280, 23428), (323, 23569), (411, 23782), (414, 23800), (421, 23824), (465, 24025), (498, 24154), (511, 24211), (529, 24271), (537, 24316), (541, 24337), (564, 24457), (585, 24547), (586, 24550), (606, 24655), (614, 24679), (633, 24709), (635, 24712), (699, 24877), (715, 24931),

Gene: QueenBeesly_31 Start: 22638, Stop: 24839, Start Num: 36
Candidate Starts for QueenBeesly_31:
(Start: 36 @22638 has 32 MA's), (46, 22659), (75, 22758), (77, 22764), (88, 22791), (89, 22794), (107, 22848), (120, 22884), (160, 22986), (241, 23175), (279, 23307), (280, 23310), (411, 23664), (414, 23682), (421, 23706), (465, 23907), (472, 23946), (498, 24036), (511, 24093), (529, 24153), (537, 24198), (541, 24219), (560, 24324), (564, 24339), (568, 24363), (577, 24408), (586, 24435), (595, 24480), (614, 24564), (687, 24714), (699, 24762), (710, 24786),

Gene: Quesadilla_31 Start: 30831, Stop: 33335, Start Num: 22
Candidate Starts for Quesadilla_31:
(Start: 22 @30831 has 5 MA's), (42, 30882), (57, 30930), (62, 30948), (77, 31005), (114, 31116), (123, 31143), (136, 31185), (196, 31419), (218, 31500), (219, 31503), (236, 31563), (245, 31590), (287, 31725), (296, 31752), (301, 31773), (331, 31872), (338, 31887), (343, 31905), (351, 31935), (370, 32001), (381, 32016), (387, 32037), (401, 32109), (406, 32124), (410, 32142), (411, 32145), (414, 32163), (423, 32196), (427, 32223), (447, 32328), (454, 32358), (465, 32388), (472, 32427), (476, 32439), (483, 32469), (495, 32505), (498, 32517), (530, 32640), (531, 32643), (532, 32646), (533, 32652), (536, 32676), (564, 32820), (568, 32844), (577, 32889), (585, 32913), (653, 33126), (665, 33162), (699, 33255),

Gene: QuinnKiro_31 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for QuinnKiro_31:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (469, 24318), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Rachaly_34 Start: 24354, Stop: 26138, Start Num: 34
Candidate Starts for Rachaly_34:
(Start: 34 @24354 has 36 MA's), (46, 24378), (73, 24468), (75, 24477), (95, 24534), (391, 24882), (392, 24885), (411, 24972), (414, 24990), (421, 25014), (439, 25122), (465, 25215), (469, 25236), (472, 25254), (476, 25266), (498, 25344), (512, 25404), (537, 25506), (541, 25527), (568, 25671), (571, 25686), (605, 25842), (612, 25863), (647, 25935), (656, 25953), (675, 25995), (684, 26016), (699, 26076), (715, 26121),

Gene: Reba_34 Start: 23026, Stop: 24834, Start Num: 29
Candidate Starts for Reba_34:
(Start: 29 @23026 has 108 MA's), (73, 23161), (95, 23227), (112, 23272), (114, 23275), (170, 23422), (181, 23467), (187, 23497), (411, 23665), (414, 23683), (421, 23707), (452, 23869), (465, 23908), (472, 23947), (498, 24037), (537, 24199), (541, 24220), (557, 24307), (571, 24379), (587, 24442), (604, 24517), (605, 24538), (647, 24631), (662, 24670), (684, 24712), (714, 24811),

Gene: Rebeuca_34 Start: 23648, Stop: 25483, Start Num: 29
Candidate Starts for Rebeuca_34:
(Start: 29 @23648 has 108 MA's), (45, 23681), (101, 23858), (173, 24050), (175, 24056), (181, 24077), (185, 24104), (402, 24284), (411, 24317), (414, 24335), (421, 24359), (439, 24467), (472, 24599), (489, 24656), (498, 24689), (511, 24746), (527, 24800), (540, 24869), (560, 24977), (564, 24992), (568, 25016), (571, 25031), (600, 25148), (604, 25166), (605, 25187), (606, 25190), (640, 25265), (647, 25280), (684, 25361), (690, 25391), (699, 25421), (715, 25466), (716, 25469),

Gene: Red305_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for Red305_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: RedRock_35 Start: 25191, Stop: 26969, Start Num: 36
Candidate Starts for RedRock_35:
(Start: 36 @25191 has 32 MA's), (73, 25302), (75, 25311), (89, 25344), (107, 25398), (120, 25434), (124, 25446), (130, 25458), (243, 25605), (257, 25614), (333, 25635), (338, 25647), (391, 25713), (406, 25782), (411, 25803), (414, 25821), (421, 25845), (438, 25944), (439, 25953), (472, 26085), (489, 26142), (498, 26175), (511, 26232), (527, 26286), (540, 26355), (571, 26517), (585, 26571), (604, 26652), (605, 26673), (612, 26694), (647, 26766), (684, 26847),

Gene: Reptar3000_28 Start: 22013, Stop: 24316, Start Num: 60

Candidate Starts for Reptar3000_28:
(Start: 60 @22013 has 18 MA's), (72, 22061), (74, 22070), (95, 22124), (104, 22157), (168, 22265), (198, 22394), (210, 22445), (212, 22454), (236, 22535), (254, 22592), (268, 22652), (276, 22664), (281, 22679), (283, 22685), (294, 22718), (309, 22766), (334, 22820), (356, 22892), (404, 23072), (424, 23153), (452, 23303), (464, 23345), (475, 23402), (477, 23414), (502, 23519), (516, 23585), (521, 23600), (541, 23696), (568, 23849), (571, 23864), (572, 23870), (577, 23894), (586, 23933), (589, 23945), (607, 24041), (623, 24077), (632, 24092), (633, 24095), (641, 24116), (648, 24131), (686, 24200), (691, 24230), (718, 24308),

Gene: ResDef_32 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for ResDef_32:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (392, 23967), (411, 24054), (421, 24096), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Retro23_31 Start: 22846, Stop: 25044, Start Num: 36
Candidate Starts for Retro23_31:
(Start: 36 @22846 has 32 MA's), (46, 22867), (75, 22966), (107, 23056), (120, 23092), (160, 23194), (168, 23206), (220, 23317), (241, 23383), (279, 23515), (280, 23518), (300, 23581), (411, 23872), (414, 23890), (421, 23914), (465, 24115), (472, 24154), (498, 24244), (511, 24301), (529, 24361), (537, 24406), (541, 24427), (564, 24547), (585, 24637), (586, 24640), (606, 24745), (633, 24799), (699, 24967), (715, 25021),

Gene: RhynO_34 Start: 23623, Stop: 25455, Start Num: 29
Candidate Starts for RhynO_34:
(Start: 29 @23623 has 108 MA's), (45, 23656), (91, 23806), (101, 23833), (152, 23962), (170, 24007), (174, 24028), (175, 24031), (411, 24292), (414, 24310), (472, 24571), (489, 24628), (498, 24661), (527, 24772), (540, 24841), (559, 24937), (560, 24949), (564, 24964), (568, 24988), (571, 25003), (572, 25009), (577, 25033), (590, 25075), (600, 25120), (604, 25138), (606, 25162), (640, 25237), (647, 25252), (651, 25261), (662, 25291), (684, 25333), (715, 25438), (716, 25441),

Gene: Richo_27 Start: 20230, Stop: 22731, Start Num: 26
Candidate Starts for Richo_27:
(Start: 26 @20230 has 55 MA's), (Start: 44 @20278 has 1 MA's), (61, 20329), (79, 20401), (99, 20452), (104, 20470), (117, 20503), (147, 20524), (153, 20536), (170, 20590), (189, 20668), (198, 20707), (211, 20764), (221, 20800), (238, 20851), (250, 20881), (255, 20896), (260, 20920), (268, 20953), (280, 20974), (281, 20980), (294, 21019), (340, 21172), (348, 21205), (351, 21217), (366, 21280), (393, 21364), (428, 21547), (437, 21601), (446, 21643), (497, 21835), (498, 21841), (502, 21865), (515, 21928), (526, 21967), (539, 22030), (549, 22087), (554, 22120), (556, 22138), (563, 22177), (570, 22216), (571, 22222), (584, 22279), (608, 22393), (634, 22447), (640, 22462), (655, 22492), (661, 22504), (684, 22561), (688, 22579), (695, 22609), (701, 22627), (717, 22708),

Gene: Rockstar_31 Start: 22769, Stop: 24628, Start Num: 202
Candidate Starts for Rockstar_31:
(Start: 202 @22769 has 32 MA's), (243, 22895), (248, 22913), (254, 22928), (262, 22970), (287, 23033), (337, 23189), (343, 23210), (350, 23237), (375, 23312), (392, 23363), (411, 23450), (414, 23468), (421, 23492), (472, 23732), (489, 23789), (498, 23822), (524, 23915), (529, 23939), (549, 24044), (560, 24110), (564, 24125), (602, 24296), (641, 24401), (665, 24455), (686, 24494), (699, 24548), (710, 24575), (714, 24599),

Gene: Roimos_31 Start: 22808, Stop: 24667, Start Num: 202

Candidate Starts for Roimos_31:
(Start: 202 @22808 has 32 MA's), (243, 22934), (245, 22943), (262, 23009), (268, 23030), (287, 23072), (337, 23228), (350, 23276), (371, 23345), (375, 23351), (387, 23381), (411, 23489), (414, 23507), (421, 23531), (472, 23771), (498, 23861), (529, 23978), (549, 24083), (560, 24149), (564, 24164), (602, 24335), (641, 24440), (665, 24494), (686, 24533), (699, 24587), (710, 24614), (714, 24638),

Gene: Rowdy_37 Start: 23534, Stop: 25366, Start Num: 29
Candidate Starts for Rowdy_37:
(Start: 29 @23534 has 108 MA's), (45, 23567), (91, 23717), (101, 23744), (170, 23918), (174, 23939), (175, 23942), (411, 24203), (414, 24221), (472, 24482), (489, 24539), (498, 24572), (527, 24683), (540, 24752), (559, 24848), (560, 24860), (564, 24875), (568, 24899), (571, 24914), (572, 24920), (577, 24944), (590, 24986), (600, 25031), (604, 25049), (606, 25073), (640, 25148), (647, 25163), (651, 25172), (662, 25202), (684, 25244), (715, 25349), (716, 25352),

Gene: Rummer_33 Start: 23361, Stop: 25112, Start Num: 29
Candidate Starts for Rummer_33:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (169, 23754), (173, 23775), (257, 23811), (377, 23832), (409, 23949), (438, 24087), (459, 24183), (463, 24186), (478, 24255), (488, 24279), (499, 24324), (511, 24372), (530, 24438), (561, 24609), (563, 24615), (572, 24666), (585, 24711), (593, 24741), (604, 24789), (612, 24831), (617, 24846), (619, 24849), (633, 24873), (685, 24975), (686, 24978), (690, 25002),

Gene: RyeScarlet_34 Start: 24381, Stop: 26147, Start Num: 32
Candidate Starts for RyeScarlet_34:
(Start: 32 @24381 has 26 MA's), (38, 24393), (95, 24567), (130, 24657), (154, 24702), (157, 24711), (257, 24789), (335, 24813), (382, 24849), (411, 24978), (414, 24996), (465, 25221), (469, 25242), (472, 25260), (498, 25350), (511, 25407), (540, 25530), (564, 25653), (571, 25692), (585, 25749), (604, 25830), (605, 25851), (606, 25854), (640, 25929), (647, 25944), (690, 26055), (715, 26130),

Gene: Sabia_33 Start: 23270, Stop: 25027, Start Num: 29
Candidate Starts for Sabia_33:
(Start: 29 @23270 has 108 MA's), (73, 23405), (95, 23471), (112, 23516), (124, 23552), (173, 23684), (257, 23720), (377, 23741), (394, 23798), (409, 23858), (424, 23912), (432, 23972), (459, 24092), (463, 24095), (478, 24164), (488, 24188), (511, 24281), (516, 24302), (530, 24347), (597, 24677), (612, 24746), (641, 24809), (712, 24980),

Gene: Sabinator_33 Start: 23275, Stop: 25032, Start Num: 29
Candidate Starts for Sabinator_33:
(Start: 29 @23275 has 108 MA's), (73, 23410), (95, 23476), (112, 23521), (124, 23557), (173, 23689), (257, 23725), (377, 23746), (394, 23803), (409, 23863), (424, 23917), (432, 23977), (459, 24097), (463, 24100), (478, 24169), (488, 24193), (511, 24286), (516, 24307), (530, 24352), (597, 24682), (612, 24751), (641, 24814), (712, 24985),

Gene: Sachima_31 Start: 24389, Stop: 26143, Start Num: 38
Candidate Starts for Sachima_31:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238), (472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: Saguaro_31 Start: 30959, Stop: 33436, Start Num: 22
Candidate Starts for Saguaro_31:

(Start: 22 @30959 has 5 MA's), (27, 30971), (57, 31055), (59, 31061), (62, 31073), (77, 31130), (93, 31181), (136, 31301), (146, 31346), (157, 31382), (166, 31406), (193, 31520), (196, 31535), (219, 31619), (234, 31673), (245, 31706), (250, 31721), (263, 31781), (268, 31793), (272, 31799), (287, 31838), (296, 31865), (301, 31886), (306, 31904), (312, 31919), (331, 31985), (338, 32000), (351, 32048), (370, 32114), (387, 32153), (397, 32207), (411, 32261), (414, 32279), (423, 32312), (445, 32438), (454, 32474), (472, 32543), (476, 32555), (483, 32585), (493, 32609), (498, 32633), (511, 32690), (529, 32750), (530, 32756), (532, 32762), (533, 32768), (534, 32780), (536, 32792), (537, 32795), (540, 32813), (549, 32855), (564, 32936), (565, 32939), (568, 32960), (584, 33026), (586, 33032), (604, 33113), (606, 33137), (662, 33263), (685, 33302), (686, 33305), (687, 33311), (690, 33329), (699, 33359), (709, 33380), (715, 33416),

Gene: Salvus_25 Start: 19700, Stop: 22018, Start Num: 24
Candidate Starts for Salvus_25:
(Start: 24 @19700 has 2 MA's), (88, 19901), (103, 19946), (106, 19958), (144, 20069), (165, 20135), (217, 20249), (226, 20276), (291, 20498), (297, 20516), (306, 20552), (325, 20612), (372, 20687), (385, 20714), (391, 20741), (397, 20777), (410, 20834), (449, 21029), (470, 21098), (472, 21116), (474, 21122), (475, 21125), (476, 21128), (505, 21245), (506, 21251), (529, 21329), (538, 21377), (539, 21380), (552, 21458), (560, 21509), (564, 21524), (566, 21536), (582, 21599), (586, 21620), (591, 21641), (604, 21698), (605, 21719), (619, 21758), (640, 21800), (656, 21833), (660, 21839), (662, 21854), (692, 21938),

Gene: Samty_21 Start: 19727, Stop: 22240, Start Num: 10
Candidate Starts for Samty_21:
(Start: 10 @19727 has 19 MA's), (16, 19790), (31, 19862), (64, 19952), (65, 19958), (84, 20030), (151, 20222), (156, 20234), (163, 20252), (172, 20291), (180, 20321), (200, 20378), (206, 20408), (208, 20414), (224, 20468), (226, 20474), (271, 20621), (273, 20624), (278, 20633), (284, 20651), (302, 20711), (304, 20720), (309, 20732), (325, 20783), (326, 20786), (380, 20951), (394, 21008), (417, 21092), (421, 21110), (423, 21119), (432, 21182), (459, 21302), (471, 21347), (476, 21362), (480, 21380), (493, 21410), (512, 21500), (532, 21569), (537, 21602), (541, 21623), (549, 21659), (555, 21695), (563, 21740), (567, 21764), (568, 21770), (571, 21785), (574, 21803), (584, 21836), (596, 21890), (602, 21914), (608, 21950), (610, 21956), (619, 21980), (689, 22145), (691, 22154), (692, 22160),

Gene: SaturnRing_31 Start: 22838, Stop: 24697, Start Num: 202
Candidate Starts for SaturnRing_31:
(Start: 202 @22838 has 32 MA's), (248, 22982), (254, 22997), (262, 23039), (305, 23162), (321, 23210), (335, 23252), (337, 23258), (343, 23279), (411, 23519), (418, 23549), (427, 23597), (452, 23723), (465, 23762), (472, 23801), (489, 23858), (498, 23891), (537, 24053), (538, 24056), (549, 24113), (560, 24179), (564, 24194), (606, 24395), (662, 24521), (665, 24524), (695, 24605), (699, 24617), (710, 24644), (715, 24674),

Gene: Scherzo_33 Start: 24410, Stop: 26176, Start Num: 32
Candidate Starts for Scherzo_33:
(Start: 32 @24410 has 26 MA's), (38, 24422), (95, 24596), (130, 24686), (154, 24731), (157, 24740), (257, 24818), (335, 24842), (382, 24878), (411, 25007), (414, 25025), (465, 25250), (469, 25271), (472, 25289), (498, 25379), (511, 25436), (540, 25559), (564, 25682), (571, 25721), (585, 25778), (604, 25859), (605, 25880), (606, 25883), (647, 25973), (690, 26084), (715, 26159),

Gene: Scitech_20 Start: 17553, Stop: 20192, Start Num: 9
Candidate Starts for Scitech_20:
(7, 17541), (Start: 9 @17553 has 17 MA's), (12, 17565), (28, 17676), (40, 17700), (Start: 41 @17703 has 2 MA's), (Start: 44 @17712 has 1 MA's), (86, 17850), (99, 17892), (100, 17895), (130, 17985), (132, 17994), (133, 17997), (139, 18018), (145, 18030), (153, 18063), (170, 18117), (188, 18189),

(195, 18219), (203, 18255), (220, 18318), (226, 18333), (237, 18360), (240, 18366), (260, 18441), (264, 18465), (266, 18471), (272, 18483), (287, 18525), (289, 18531), (318, 18618), (357, 18750), (362, 18768), (370, 18801), (386, 18828), (393, 18879), (431, 19089), (444, 19155), (451, 19191), (476, 19290), (478, 19302), (498, 19365), (535, 19527), (539, 19542), (549, 19593), (568, 19710), (576, 19755), (589, 19797), (596, 19833), (606, 19887), (628, 19935), (690, 20079), (707, 20136), (715, 20175), (718, 20184),

Gene: Scout_31 Start: 22139, Stop: 23998, Start Num: 202
Candidate Starts for Scout_31:
(Start: 202 @22139 has 32 MA's), (243, 22265), (245, 22274), (262, 22340), (268, 22361), (287, 22403), (337, 22559), (350, 22607), (371, 22676), (375, 22682), (387, 22712), (411, 22820), (414, 22838), (421, 22862), (472, 23102), (498, 23192), (529, 23309), (549, 23414), (560, 23480), (564, 23495), (602, 23666), (641, 23771), (665, 23825), (686, 23864), (699, 23918), (710, 23945), (714, 23969),

Gene: SemperFi_33 Start: 23055, Stop: 25259, Start Num: 36
Candidate Starts for SemperFi_33:
(Start: 36 @23055 has 32 MA's), (46, 23076), (75, 23175), (107, 23265), (120, 23301), (160, 23403), (241, 23592), (280, 23727), (300, 23790), (323, 23868), (411, 24081), (414, 24099), (421, 24123), (465, 24324), (472, 24363), (498, 24453), (511, 24510), (529, 24570), (537, 24615), (541, 24636), (564, 24756), (568, 24780), (586, 24855), (606, 24960), (614, 24984), (633, 25014), (661, 25074), (687, 25134), (699, 25182), (710, 25206), (711, 25209), (715, 25236),

Gene: Severus_31 Start: 21405, Stop: 23687, Start Num: 29
Candidate Starts for Severus_31:
(Start: 29 @21405 has 108 MA's), (45, 21438), (71, 21522), (91, 21588), (144, 21720), (160, 21765), (170, 21789), (174, 21810), (175, 21813), (183, 21843), (188, 21867), (193, 21885), (204, 21942), (228, 22002), (249, 22080), (267, 22155), (300, 22245), (322, 22305), (370, 22371), (411, 22518), (414, 22536), (421, 22560), (448, 22704), (465, 22761), (472, 22800), (477, 22821), (498, 22890), (529, 23007), (537, 23052), (543, 23082), (546, 23100), (549, 23112), (560, 23178), (568, 23217), (571, 23232), (572, 23238), (582, 23271), (585, 23289), (605, 23391), (606, 23394), (633, 23451), (640, 23469), (641, 23472), (647, 23484), (662, 23523), (684, 23565), (685, 23568), (715, 23670),

Gene: SgtBeansprout_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for SgtBeansprout_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: Shadow1_25 Start: 19919, Stop: 22255, Start Num: 26
Candidate Starts for Shadow1_25:
(Start: 20 @19886 has 5 MA's), (Start: 26 @19919 has 55 MA's), (Start: 29 @19928 has 108 MA's), (47, 19976), (49, 19979), (91, 20120), (104, 20159), (166, 20255), (168, 20264), (189, 20354), (216, 20465), (246, 20567), (268, 20648), (281, 20678), (286, 20690), (294, 20717), (299, 20732), (305, 20756), (334, 20816), (356, 20888), (373, 20954), (396, 21044), (411, 21086), (415, 21107), (419, 21119), (423, 21137), (436, 21224), (452, 21287), (459, 21320), (478, 21392), (513, 21521), (537, 21614), (540, 21632), (592, 21878), (599, 21911), (633, 22016), (640, 22034), (686, 22121), (690, 22145), (705, 22187), (720, 22247),

Gene: Shaobing_27 Start: 20230, Stop: 22731, Start Num: 26
Candidate Starts for Shaobing_27:
(Start: 26 @20230 has 55 MA's), (Start: 44 @20278 has 1 MA's), (61, 20329), (79, 20401), (99, 20452), (104, 20470), (117, 20503), (147, 20524), (153, 20536), (170, 20590), (189, 20668), (198, 20707), (211, 20764), (221, 20800), (238, 20851), (250, 20881), (255, 20896), (260, 20920), (268, 20953), (280, 20974), (281, 20980), (294, 21019), (340, 21172), (348, 21205), (351, 21217), (366, 21280), (393, 21364), (428, 21547), (437, 21601), (446, 21643), (497, 21835), (498, 21841), (502, 21865), (515, 21928), (516, 21931), (526, 21967), (539, 22030), (549, 22087), (554, 22120), (556, 22138), (563, 22177), (570, 22216), (571, 22222), (584, 22279), (608, 22393), (634, 22447), (640, 22462), (655, 22492), (661, 22504), (684, 22561), (688, 22579), (695, 22609), (701, 22627), (717, 22708),

Gene: Shapes_37 Start: 23534, Stop: 25366, Start Num: 29
Candidate Starts for Shapes_37:
(Start: 29 @23534 has 108 MA's), (45, 23567), (91, 23717), (101, 23744), (170, 23918), (174, 23939), (175, 23942), (411, 24203), (414, 24221), (472, 24482), (489, 24539), (498, 24572), (527, 24683), (540, 24752), (559, 24848), (560, 24860), (564, 24875), (568, 24899), (571, 24914), (572, 24920), (577, 24944), (590, 24986), (600, 25031), (604, 25049), (606, 25073), (640, 25148), (647, 25163), (651, 25172), (662, 25202), (684, 25244), (715, 25349), (716, 25352),

Gene: ShedlockHolmes_26 Start: 21295, Stop: 23643, Start Num: 26
Candidate Starts for ShedlockHolmes_26:
(Start: 26 @21295 has 55 MA's), (37, 21322), (49, 21355), (62, 21400), (156, 21619), (170, 21664), (177, 21700), (183, 21718), (203, 21796), (216, 21844), (256, 21976), (268, 22030), (277, 22045), (311, 22153), (356, 22270), (365, 22312), (366, 22318), (369, 22327), (373, 22336), (387, 22381), (394, 22417), (396, 22435), (411, 22477), (415, 22498), (421, 22519), (423, 22528), (436, 22615), (458, 22708), (459, 22711), (478, 22783), (530, 22966), (540, 23023), (559, 23122), (562, 23140), (572, 23194), (582, 23224), (584, 23239), (585, 23242), (588, 23251), (592, 23269), (593, 23275), (599, 23302), (604, 23323), (609, 23353), (628, 23398), (633, 23407), (690, 23536), (705, 23575), (708, 23578),

Gene: Shweta_20 Start: 17560, Stop: 20199, Start Num: 9
Candidate Starts for Shweta_20:
(7, 17548), (Start: 9 @17560 has 17 MA's), (12, 17572), (28, 17683), (40, 17707), (Start: 41 @17710 has 2 MA's), (Start: 44 @17719 has 1 MA's), (86, 17857), (99, 17899), (100, 17902), (130, 17992), (132, 18001), (133, 18004), (139, 18025), (145, 18037), (153, 18070), (170, 18124), (188, 18196), (195, 18226), (203, 18262), (220, 18325), (226, 18340), (237, 18367), (240, 18373), (260, 18448), (264, 18472), (266, 18478), (272, 18490), (287, 18532), (289, 18538), (322, 18637), (357, 18757), (362, 18775), (370, 18808), (386, 18835), (393, 18886), (431, 19096), (444, 19162), (451, 19198), (476, 19297), (478, 19309), (498, 19372), (535, 19534), (539, 19549), (549, 19600), (568, 19717), (576, 19762), (589, 19804), (596, 19840), (606, 19894), (628, 19942), (690, 20086), (707, 20143), (715, 20182), (718, 20191),

Gene: SkinnyPete_20 Start: 17557, Stop: 20202, Start Num: 9
Candidate Starts for SkinnyPete_20:
(7, 17545), (Start: 9 @17557 has 17 MA's), (12, 17569), (28, 17680), (40, 17704), (Start: 41 @17707 has 2 MA's), (Start: 44 @17716 has 1 MA's), (61, 17764), (130, 17989), (133, 18001), (139, 18022), (153, 18067), (170, 18121), (188, 18199), (195, 18229), (203, 18265), (208, 18286), (212, 18301), (226, 18343), (240, 18376), (260, 18451), (264, 18475), (266, 18481), (272, 18493), (287, 18535), (289, 18541), (322, 18640), (357, 18760), (362, 18778), (370, 18811), (386, 18838), (393, 18889), (431, 19099), (444, 19165), (451, 19201), (478, 19312), (498, 19375), (535, 19537), (539, 19552), (549, 19603), (568, 19720), (576, 19765), (589, 19807), (596, 19843), (606, 19897), (628, 19945), (690, 20089), (707, 20146), (715, 20185), (718, 20194),

Gene: Sknot_31 Start: 22776, Stop: 24998, Start Num: 34
Candidate Starts for Sknot_31:
(Start: 34 @22776 has 36 MA's), (73, 22890), (77, 22905), (124, 23037), (170, 23151), (174, 23172), (183, 23205), (241, 23316), (251, 23355), (280, 23451), (311, 23553), (411, 23802), (418, 23832), (421, 23844), (454, 24015), (472, 24084), (498, 24183), (527, 24294), (529, 24300), (530, 24306), (537, 24345), (548, 24402), (549, 24405), (560, 24471), (577, 24555), (595, 24627), (629, 24747), (683, 24858), (695, 24909), (699, 24921),

Gene: Slarp_28 Start: 22283, Stop: 24592, Start Num: 60
Candidate Starts for Slarp_28:
(Start: 60 @22283 has 18 MA's), (95, 22394), (102, 22418), (168, 22535), (198, 22664), (210, 22715), (212, 22724), (221, 22757), (233, 22796), (236, 22805), (254, 22862), (257, 22871), (268, 22922), (276, 22934), (281, 22949), (283, 22955), (294, 22988), (309, 23036), (334, 23090), (356, 23162), (364, 23201), (367, 23213), (373, 23228), (390, 23273), (404, 23342), (424, 23423), (452, 23576), (475, 23675), (477, 23687), (502, 23792), (516, 23858), (521, 23873), (541, 23969), (568, 24122), (571, 24137), (572, 24143), (577, 24167), (586, 24206), (589, 24218), (607, 24314), (633, 24368), (641, 24389), (686, 24476), (691, 24506), (718, 24584),

Gene: Smeagan_33 Start: 23263, Stop: 25350, Start Num: 34
Candidate Starts for Smeagan_33:
(Start: 34 @23263 has 36 MA's), (73, 23377), (75, 23386), (77, 23392), (88, 23419), (107, 23476), (160, 23614), (241, 23803), (280, 23938), (293, 23980), (311, 24040), (406, 24154), (411, 24175), (414, 24193), (421, 24217), (439, 24325), (465, 24418), (469, 24439), (472, 24457), (498, 24547), (511, 24604), (512, 24607), (529, 24664), (530, 24670), (537, 24709), (541, 24730), (577, 24919), (584, 24940), (606, 25051), (673, 25189), (692, 25255), (699, 25273), (719, 25342),

Gene: SnapTap_31 Start: 22698, Stop: 24902, Start Num: 36
Candidate Starts for SnapTap_31:
(Start: 36 @22698 has 32 MA's), (46, 22719), (77, 22824), (107, 22908), (120, 22944), (160, 23046), (168, 23058), (241, 23235), (280, 23370), (300, 23433), (411, 23724), (414, 23742), (421, 23766), (446, 23904), (465, 23967), (472, 24006), (498, 24096), (511, 24153), (529, 24213), (537, 24258), (541, 24279), (564, 24399), (568, 24423), (577, 24468), (595, 24540), (606, 24600), (686, 24771), (699, 24825), (711, 24852), (715, 24879),

Gene: Snenia_21 Start: 19725, Stop: 22238, Start Num: 10
Candidate Starts for Snenia_21:
(Start: 10 @19725 has 19 MA's), (16, 19788), (31, 19860), (64, 19950), (65, 19956), (84, 20028), (118, 20115), (151, 20220), (156, 20232), (163, 20250), (172, 20289), (180, 20319), (200, 20376), (206, 20406), (208, 20412), (224, 20466), (226, 20472), (271, 20619), (273, 20622), (278, 20631), (284, 20649), (302, 20709), (304, 20718), (309, 20730), (325, 20781), (326, 20784), (380, 20949), (394, 21006), (417, 21090), (421, 21108), (423, 21117), (432, 21180), (459, 21300), (468, 21324), (471, 21345), (476, 21360), (480, 21378), (493, 21408), (512, 21498), (532, 21567), (537, 21600), (541, 21621), (549, 21657), (555, 21693), (563, 21738), (567, 21762), (568, 21768), (571, 21783), (574, 21801), (596, 21888), (602, 21912), (608, 21948), (610, 21954), (619, 21978), (656, 22053), (658, 22056), (689, 22143), (691, 22152), (692, 22158),

Gene: Snickers_33 Start: 23251, Stop: 25008, Start Num: 29
Candidate Starts for Snickers_33:
(Start: 29 @23251 has 108 MA's), (73, 23386), (95, 23452), (112, 23497), (124, 23533), (173, 23665), (257, 23701), (377, 23722), (394, 23779), (409, 23839), (424, 23893), (432, 23953), (459, 24073), (463, 24076), (478, 24145), (488, 24169), (511, 24262), (516, 24283), (530, 24328), (597, 24658), (612, 24727), (641, 24790), (712, 24961),

Gene: SoYo_33 Start: 23188, Stop: 24945, Start Num: 29
Candidate Starts for SoYo_33:
(Start: 29 @23188 has 108 MA's), (73, 23323), (95, 23389), (112, 23434), (124, 23470), (173, 23602), (257, 23638), (377, 23659), (394, 23716), (409, 23776), (424, 23830), (432, 23890), (459, 24010), (463, 24013), (478, 24082), (488, 24106), (511, 24199), (516, 24220), (530, 24265), (597, 24595), (612, 24664), (641, 24727), (712, 24898),

Gene: SoilDragon_33 Start: 22965, Stop: 24770, Start Num: 29
Candidate Starts for SoilDragon_33:
(Start: 29 @22965 has 108 MA's), (73, 23100), (95, 23166), (112, 23211), (124, 23247), (154, 23319), (170, 23361), (181, 23406), (187, 23436), (411, 23604), (414, 23622), (421, 23646), (446, 23784), (452, 23808), (465, 23847), (472, 23886), (498, 23976), (537, 24138), (541, 24159), (557, 24246), (571, 24318), (580, 24348), (590, 24390), (604, 24453), (606, 24477), (640, 24552), (647, 24567), (662, 24606), (684, 24648), (715, 24753),

Gene: SororFago_31 Start: 21994, Stop: 24447, Start Num: 34
Candidate Starts for SororFago_31:
(Start: 34 @21994 has 36 MA's), (108, 22210), (130, 22267), (137, 22288), (183, 22453), (215, 22588), (291, 22843), (292, 22846), (314, 22909), (319, 22927), (327, 22954), (330, 22966), (342, 23008), (343, 23011), (406, 23245), (412, 23275), (414, 23284), (439, 23416), (454, 23479), (471, 23545), (472, 23548), (498, 23647), (516, 23725), (529, 23764), (537, 23809), (549, 23869), (560, 23935), (564, 23950), (584, 24040), (586, 24046), (602, 24121), (625, 24190), (690, 24355), (695, 24373), (706, 24400),

Gene: Soshari_35 Start: 23360, Stop: 25111, Start Num: 29
Candidate Starts for Soshari_35:
(Start: 29 @23360 has 108 MA's), (73, 23495), (90, 23552), (95, 23561), (112, 23606), (124, 23642), (169, 23753), (173, 23774), (257, 23810), (377, 23831), (409, 23948), (438, 24086), (459, 24182), (463, 24185), (478, 24254), (488, 24278), (499, 24323), (511, 24371), (530, 24437), (561, 24608), (563, 24614), (572, 24665), (585, 24710), (593, 24740), (604, 24788), (612, 24830), (617, 24845), (619, 24848), (633, 24872), (685, 24974), (686, 24977), (690, 25001),

Gene: Spike509_33 Start: 23361, Stop: 25112, Start Num: 29
Candidate Starts for Spike509_33:
(Start: 29 @23361 has 108 MA's), (73, 23496), (95, 23562), (112, 23607), (124, 23643), (169, 23754), (173, 23775), (257, 23811), (377, 23832), (409, 23949), (438, 24087), (459, 24183), (463, 24186), (478, 24255), (488, 24279), (499, 24324), (511, 24372), (530, 24438), (560, 24606), (561, 24609), (563, 24615), (572, 24666), (585, 24711), (593, 24741), (604, 24789), (612, 24831), (617, 24846), (619, 24849), (633, 24873), (685, 24975), (686, 24978), (690, 25002),

Gene: Spouty_33 Start: 24443, Stop: 26209, Start Num: 32
Candidate Starts for Spouty_33:
(Start: 32 @24443 has 26 MA's), (95, 24629), (130, 24719), (154, 24764), (157, 24773), (257, 24851), (335, 24875), (382, 24911), (411, 25040), (414, 25058), (465, 25283), (469, 25304), (472, 25322), (498, 25412), (511, 25469), (540, 25592), (564, 25715), (571, 25754), (585, 25811), (604, 25892), (605, 25913), (606, 25916), (647, 26006), (690, 26117), (715, 26192),

Gene: Squirty_19 Start: 17305, Stop: 19920, Start Num: 8
Candidate Starts for Squirty_19:
(Start: 8 @17305 has 1 MA's), (12, 17326), (14, 17347), (17, 17386), (35, 17455), (40, 17464), (Start: 41 @17467 has 2 MA's), (47, 17485), (61, 17518), (67, 17533), (107, 17635), (127, 17692), (132, 17716), (149, 17773), (172, 17848), (190, 17920), (203, 17983), (206, 17998), (213, 18022), (220,

18046), (226, 18061), (230, 18070), (240, 18097), (241, 18103), (255, 18148), (260, 18172), (264, 18193), (266, 18199), (270, 18208), (281, 18235), (301, 18301), (304, 18313), (318, 18346), (322, 18358), (357, 18478), (362, 18496), (370, 18529), (393, 18607), (412, 18712), (423, 18754), (467, 18973), (474, 19012), (475, 19015), (478, 19030), (498, 19093), (510, 19141), (535, 19255), (541, 19285), (546, 19312), (549, 19321), (568, 19438), (576, 19483), (589, 19525), (604, 19591), (606, 19615), (628, 19663), (632, 19669), (635, 19675), (640, 19690), (683, 19774), (691, 19813), (715, 19903), (718, 19912),

Gene: Stagni_33 Start: 23279, Stop: 25036, Start Num: 29
Candidate Starts for Stagni_33:
(Start: 29 @23279 has 108 MA's), (73, 23414), (95, 23480), (112, 23525), (124, 23561), (173, 23693), (257, 23729), (377, 23750), (394, 23807), (409, 23867), (424, 23921), (432, 23981), (459, 24101), (463, 24104), (478, 24173), (488, 24197), (511, 24290), (516, 24311), (530, 24356), (597, 24686), (612, 24755), (641, 24818), (712, 24989),

Gene: Stasia_32 Start: 23404, Stop: 25242, Start Num: 29
Candidate Starts for Stasia_32:
(Start: 29 @23404 has 108 MA's), (56, 23470), (73, 23530), (95, 23596), (107, 23629), (119, 23659), (120, 23665), (140, 23713), (159, 23764), (181, 23836), (375, 23938), (411, 24076), (414, 24094), (472, 24358), (498, 24448), (537, 24610), (541, 24631), (559, 24724), (564, 24751), (568, 24775), (571, 24790), (604, 24925), (606, 24949), (612, 24967), (647, 25039), (684, 25120),

Gene: StepMih_33 Start: 23270, Stop: 25027, Start Num: 29
Candidate Starts for StepMih_33:
(Start: 29 @23270 has 108 MA's), (73, 23405), (95, 23471), (112, 23516), (124, 23552), (173, 23684), (257, 23720), (377, 23741), (394, 23798), (409, 23858), (424, 23912), (432, 23972), (459, 24092), (463, 24095), (478, 24164), (488, 24188), (511, 24281), (516, 24302), (530, 24347), (597, 24677), (612, 24746), (641, 24809), (712, 24980),

Gene: StressBall_21 Start: 18926, Stop: 21559, Start Num: 9
Candidate Starts for StressBall_21:
(Start: 9 @18926 has 17 MA's), (11, 18935), (Start: 41 @19079 has 2 MA's), (130, 19352), (133, 19364), (139, 19385), (148, 19409), (170, 19484), (188, 19556), (195, 19586), (203, 19622), (220, 19685), (226, 19700), (237, 19727), (240, 19733), (260, 19808), (264, 19832), (266, 19838), (272, 19850), (287, 19892), (289, 19898), (318, 19985), (326, 20006), (333, 20030), (354, 20096), (357, 20117), (362, 20135), (370, 20168), (384, 20192), (386, 20195), (393, 20246), (412, 20351), (423, 20393), (451, 20558), (475, 20654), (498, 20732), (501, 20744), (523, 20834), (535, 20894), (537, 20903), (546, 20951), (549, 20960), (568, 21077), (576, 21122), (589, 21164), (604, 21230), (606, 21254), (628, 21302), (632, 21308), (635, 21314), (683, 21413), (686, 21422), (691, 21452), (715, 21542), (718, 21551),

Gene: Strobilo_23 Start: 18661, Stop: 21000, Start Num: 26
Candidate Starts for Strobilo_23:
(Start: 26 @18661 has 55 MA's), (79, 18832), (85, 18850), (101, 18901), (168, 19018), (174, 19051), (209, 19180), (211, 19189), (216, 19204), (219, 19216), (221, 19225), (236, 19273), (262, 19369), (268, 19387), (280, 19408), (294, 19453), (334, 19555), (356, 19627), (365, 19669), (369, 19684), (393, 19771), (396, 19792), (411, 19834), (415, 19855), (436, 19972), (439, 19981), (448, 20017), (459, 20068), (462, 20071), (476, 20125), (478, 20137), (486, 20161), (512, 20257), (516, 20275), (526, 20302), (537, 20359), (572, 20548), (582, 20578), (593, 20629), (596, 20647), (604, 20677), (621, 20731), (633, 20761), (641, 20782), (697, 20914),

Gene: Sunflower1121_25 Start: 19931, Stop: 22267, Start Num: 26
Candidate Starts for Sunflower1121_25:

(Start: 20 @19898 has 5 MA's), (Start: 26 @19931 has 55 MA's), (Start: 29 @19940 has 108 MA's), (47, 19988), (49, 19991), (91, 20132), (104, 20171), (166, 20267), (189, 20366), (216, 20477), (246, 20579), (268, 20660), (281, 20690), (286, 20702), (294, 20729), (299, 20744), (305, 20768), (334, 20828), (356, 20900), (373, 20966), (396, 21056), (411, 21098), (415, 21119), (423, 21149), (436, 21236), (452, 21299), (459, 21332), (478, 21404), (513, 21533), (537, 21626), (540, 21644), (592, 21890), (599, 21923), (633, 22028), (640, 22046), (686, 22133), (690, 22157), (705, 22199), (720, 22259),

Gene: SweetiePie_31 Start: 22698, Stop: 24902, Start Num: 36
Candidate Starts for SweetiePie_31:
(Start: 36 @22698 has 32 MA's), (46, 22719), (77, 22824), (107, 22908), (120, 22944), (160, 23046), (168, 23058), (241, 23235), (280, 23370), (411, 23724), (414, 23742), (421, 23766), (446, 23904), (465, 23967), (472, 24006), (498, 24096), (511, 24153), (529, 24213), (537, 24258), (541, 24279), (564, 24399), (568, 24423), (577, 24468), (595, 24540), (606, 24600), (686, 24771), (699, 24825), (711, 24852), (715, 24879),

Gene: Syra333_26 Start: 20027, Stop: 22357, Start Num: 26
Candidate Starts for Syra333_26:
(Start: 26 @20027 has 55 MA's), (49, 20087), (85, 20216), (91, 20228), (104, 20267), (166, 20363), (168, 20372), (189, 20462), (198, 20501), (209, 20549), (216, 20573), (218, 20582), (246, 20675), (251, 20690), (268, 20756), (281, 20786), (286, 20798), (294, 20825), (299, 20840), (305, 20864), (334, 20924), (348, 20969), (356, 20996), (364, 21035), (369, 21053), (373, 21062), (393, 21131), (394, 21134), (396, 21152), (411, 21194), (415, 21215), (421, 21236), (423, 21245), (428, 21281), (436, 21332), (459, 21428), (478, 21497), (498, 21557), (513, 21626), (516, 21635), (530, 21680), (537, 21719), (540, 21737), (547, 21767), (572, 21908), (584, 21953), (592, 21983), (596, 22007), (599, 22016), (604, 22037), (609, 22067), (690, 22250), (700, 22277), (705, 22289), (720, 22349),

Gene: TBond007_26 Start: 21085, Stop: 23436, Start Num: 26
Candidate Starts for TBond007_26:
(Start: 26 @21085 has 55 MA's), (37, 21112), (49, 21145), (76, 21250), (156, 21409), (170, 21454), (177, 21490), (183, 21508), (203, 21586), (216, 21634), (256, 21766), (268, 21820), (277, 21835), (311, 21943), (356, 22060), (365, 22102), (366, 22108), (369, 22117), (373, 22126), (394, 22207), (396, 22225), (411, 22267), (415, 22288), (421, 22309), (423, 22318), (436, 22405), (458, 22498), (459, 22501), (478, 22573), (515, 22708), (516, 22711), (530, 22756), (537, 22795), (540, 22813), (559, 22912), (562, 22930), (572, 22984), (582, 23014), (585, 23032), (592, 23059), (593, 23065), (604, 23113), (628, 23188), (633, 23197), (641, 23218), (645, 23227), (690, 23326), (705, 23368),

Gene: TClif_26 Start: 20078, Stop: 22420, Start Num: 26
Candidate Starts for TClif_26:
(Start: 26 @20078 has 55 MA's), (Start: 44 @20126 has 1 MA's), (61, 20177), (79, 20249), (87, 20270), (166, 20417), (168, 20426), (176, 20471), (216, 20627), (218, 20636), (246, 20729), (251, 20744), (262, 20792), (268, 20810), (276, 20825), (281, 20840), (294, 20879), (299, 20894), (305, 20918), (334, 20978), (351, 21035), (356, 21050), (369, 21107), (393, 21188), (396, 21209), (411, 21251), (415, 21272), (421, 21293), (434, 21377), (436, 21389), (452, 21452), (459, 21485), (468, 21509), (472, 21533), (478, 21557), (498, 21617), (510, 21665), (530, 21740), (537, 21779), (540, 21797), (562, 21914), (572, 21968), (592, 22043), (604, 22097), (628, 22172), (641, 22202), (662, 22247), (720, 22412),

Gene: TM4_23 Start: 18727, Stop: 21081, Start Num: 26
Candidate Starts for TM4_23:
(Start: 26 @18727 has 55 MA's), (69, 18859), (168, 19084), (176, 19129), (216, 19270), (221, 19291), (236, 19339), (280, 19474), (286, 19492), (294, 19519), (299, 19534), (334, 19621), (356, 19693), (365, 19735), (366, 19741), (371, 19756), (373, 19759), (387, 19795), (415, 19912), (421, 19933),

(455, 20104), (459, 20125), (482, 20221), (490, 20242), (499, 20275), (516, 20350), (518, 20356), (530, 20395), (533, 20407), (537, 20434), (540, 20452), (561, 20566), (567, 20596), (568, 20602), (580, 20647), (584, 20668), (595, 20719), (608, 20782), (636, 20848), (646, 20869), (660, 20890), (679, 20926), (720, 21073),

Gene: TNguyen7_31 Start: 22806, Stop: 24665, Start Num: 202
Candidate Starts for TNguyen7_31:
(Start: 202 @22806 has 32 MA's), (248, 22950), (254, 22965), (262, 23007), (305, 23130), (321, 23178), (335, 23220), (337, 23226), (343, 23247), (411, 23487), (418, 23517), (427, 23565), (452, 23691), (465, 23730), (472, 23769), (489, 23826), (498, 23859), (537, 24021), (538, 24024), (549, 24081), (560, 24147), (564, 24162), (606, 24363), (662, 24489), (665, 24492), (695, 24573), (699, 24585), (710, 24612), (715, 24642),

Gene: TarsusIV_31 Start: 22846, Stop: 25041, Start Num: 36
Candidate Starts for TarsusIV_31:
(Start: 36 @22846 has 32 MA's), (46, 22867), (73, 22957), (75, 22966), (95, 23023), (159, 23191), (160, 23194), (170, 23218), (183, 23272), (241, 23383), (251, 23422), (280, 23518), (291, 23554), (323, 23659), (411, 23869), (414, 23887), (465, 24112), (476, 24163), (498, 24241), (511, 24298), (537, 24403), (541, 24424), (548, 24460), (560, 24529), (568, 24568), (577, 24613), (586, 24640), (602, 24715), (606, 24745), (614, 24769), (687, 24919), (693, 24952), (699, 24967),

Gene: Taurus_33 Start: 23276, Stop: 25033, Start Num: 29
Candidate Starts for Taurus_33:
(Start: 29 @23276 has 108 MA's), (73, 23411), (95, 23477), (112, 23522), (124, 23558), (173, 23690), (257, 23726), (377, 23747), (394, 23804), (409, 23864), (424, 23918), (432, 23978), (459, 24098), (463, 24101), (478, 24170), (488, 24194), (511, 24287), (516, 24308), (530, 24353), (597, 24683), (612, 24752), (641, 24815), (712, 24986),

Gene: Teejan_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Teejan_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: Terrific_35 Start: 23230, Stop: 25437, Start Num: 34
Candidate Starts for Terrific_35:
(Start: 34 @23230 has 36 MA's), (73, 23344), (77, 23359), (85, 23380), (124, 23491), (160, 23581), (168, 23593), (241, 23770), (251, 23809), (280, 23905), (391, 24166), (411, 24256), (418, 24286), (421, 24298), (463, 24496), (498, 24637), (500, 24658), (527, 24748), (529, 24754), (530, 24760), (537, 24799), (541, 24820), (548, 24856), (549, 24859), (560, 24925), (564, 24940), (565, 24943), (568, 24964), (574, 24997), (606, 25141), (629, 25189), (635, 25198), (660, 25252), (687, 25312), (699, 25360), (715, 25414),

Gene: Texage_31 Start: 23374, Stop: 25233, Start Num: 202
Candidate Starts for Texage_31:
(Start: 202 @23374 has 32 MA's), (248, 23518), (255, 23536), (262, 23575), (268, 23596), (287, 23638), (293, 23656), (343, 23815), (350, 23842), (387, 23947), (392, 23968), (411, 24055), (421, 24097), (472, 24337), (498, 24427), (511, 24484), (549, 24649), (559, 24703), (560, 24715), (564,

24730), (594, 24859), (595, 24871), (606, 24931), (610, 24943), (635, 24988), (641, 25006), (699, 25153), (710, 25180), (715, 25210),

Gene: Thonko_29 Start: 27164, Stop: 29614, Start Num: 23
Candidate Starts for Thonko_29:
(Start: 23 @27164 has 5 MA's), (48, 27230), (57, 27257), (63, 27278), (145, 27530), (172, 27626), (173, 27635), (193, 27713), (196, 27728), (211, 27785), (219, 27812), (232, 27857), (234, 27863), (245, 27896), (263, 27956), (272, 27977), (282, 28001), (301, 28064), (328, 28151), (338, 28178), (370, 28292), (411, 28439), (414, 28457), (451, 28640), (454, 28652), (472, 28721), (476, 28733), (489, 28778), (531, 28937), (532, 28940), (536, 28970), (565, 29117), (568, 29138), (577, 29183), (586, 29210), (633, 29369), (640, 29387), (665, 29444), (686, 29483), (695, 29525), (699, 29537), (709, 29558), (714, 29588), (715, 29594),

Gene: Tierra_26 Start: 20767, Stop: 23103, Start Num: 26
Candidate Starts for Tierra_26:
(Start: 26 @20767 has 55 MA's), (Start: 44 @20815 has 1 MA's), (47, 20824), (79, 20938), (85, 20956), (104, 21007), (166, 21103), (168, 21112), (189, 21202), (192, 21214), (216, 21313), (218, 21322), (246, 21415), (268, 21496), (281, 21526), (286, 21538), (294, 21565), (299, 21580), (305, 21604), (334, 21664), (348, 21709), (356, 21736), (364, 21775), (369, 21793), (373, 21802), (393, 21871), (394, 21874), (396, 21892), (411, 21934), (415, 21955), (423, 21985), (452, 22135), (459, 22168), (465, 22177), (478, 22240), (495, 22288), (498, 22300), (513, 22369), (524, 22393), (530, 22423), (537, 22462), (572, 22651), (592, 22726), (604, 22780), (633, 22864), (640, 22882), (686, 22969), (690, 22993), (705, 23035), (720, 23095),

Gene: Tiffany_33 Start: 23171, Stop: 24922, Start Num: 29
Candidate Starts for Tiffany_33:
(Start: 29 @23171 has 108 MA's), (73, 23306), (95, 23372), (112, 23417), (124, 23453), (154, 23525), (160, 23543), (257, 23621), (377, 23642), (394, 23699), (409, 23759), (438, 23897), (459, 23993), (463, 23996), (478, 24065), (488, 24089), (499, 24134), (511, 24182), (530, 24248), (561, 24419), (563, 24425), (572, 24476), (585, 24521), (604, 24599), (612, 24641), (633, 24683), (685, 24785), (686, 24788), (690, 24812),

Gene: Tigress9_27 Start: 20023, Stop: 22350, Start Num: 29
Candidate Starts for Tigress9_27:
(Start: 20 @19981 has 5 MA's), (Start: 26 @20014 has 55 MA's), (Start: 29 @20023 has 108 MA's), (47, 20071), (49, 20074), (85, 20203), (104, 20254), (166, 20350), (168, 20359), (189, 20449), (198, 20488), (216, 20560), (218, 20569), (246, 20662), (268, 20743), (281, 20773), (294, 20812), (299, 20827), (305, 20851), (334, 20911), (348, 20956), (356, 20983), (364, 21022), (369, 21040), (373, 21049), (393, 21118), (394, 21121), (396, 21139), (411, 21181), (415, 21202), (420, 21217), (423, 21232), (436, 21319), (458, 21412), (459, 21415), (478, 21487), (495, 21535), (513, 21616), (524, 21640), (529, 21664), (530, 21670), (537, 21709), (572, 21898), (592, 21973), (604, 22027), (633, 22111), (640, 22129), (686, 22216), (690, 22240), (705, 22282), (720, 22342),

Gene: TingHuaYa_27 Start: 20178, Stop: 22490, Start Num: 60
Candidate Starts for TingHuaYa_27:
(Start: 60 @20178 has 18 MA's), (109, 20328), (119, 20349), (162, 20406), (178, 20472), (191, 20517), (200, 20559), (Start: 202 @20571 has 32 MA's), (215, 20616), (247, 20727), (254, 20748), (271, 20814), (280, 20829), (305, 20910), (320, 20940), (334, 20979), (341, 20994), (355, 21054), (383, 21138), (397, 21210), (464, 21519), (474, 21573), (475, 21576), (477, 21588), (484, 21615), (491, 21633), (493, 21639), (521, 21771), (568, 22020), (571, 22035), (577, 22065), (586, 22104), (607, 22212), (622, 22242), (640, 22284), (650, 22305), (674, 22347), (685, 22371), (686, 22374), (690, 22398), (691, 22404), (714, 22467), (718, 22482),

Gene: TinyPebbles_33 Start: 23366, Stop: 25117, Start Num: 29
Candidate Starts for TinyPebbles_33:
(Start: 29 @23366 has 108 MA's), (73, 23501), (95, 23567), (112, 23612), (124, 23648), (169, 23759), (173, 23780), (257, 23816), (377, 23837), (409, 23954), (438, 24092), (459, 24188), (463, 24191), (478, 24260), (488, 24284), (499, 24329), (511, 24377), (530, 24443), (561, 24614), (563, 24620), (572, 24671), (585, 24716), (593, 24746), (604, 24794), (612, 24836), (617, 24851), (619, 24854), (633, 24878), (685, 24980), (686, 24983), (690, 25007),

Gene: Todacoro_32 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for Todacoro_32:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (469, 24318), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Topanga_33 Start: 23566, Stop: 25401, Start Num: 29
Candidate Starts for Topanga_33:
(Start: 29 @23566 has 108 MA's), (81, 23713), (91, 23749), (152, 23905), (175, 23974), (181, 23995), (185, 24022), (411, 24235), (414, 24253), (452, 24439), (465, 24478), (472, 24517), (489, 24574), (498, 24607), (511, 24664), (527, 24718), (541, 24790), (542, 24793), (564, 24910), (568, 24934), (571, 24949), (572, 24955), (585, 25003), (592, 25030), (604, 25084), (605, 25105), (606, 25108), (612, 25126), (640, 25183), (647, 25198), (669, 25246), (684, 25279), (690, 25309), (715, 25384),

Gene: Torres_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Torres_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: TriFive_21 Start: 19724, Stop: 22237, Start Num: 10
Candidate Starts for TriFive_21:
(Start: 10 @19724 has 19 MA's), (16, 19787), (31, 19859), (64, 19949), (65, 19955), (84, 20027), (118, 20114), (151, 20219), (156, 20231), (163, 20249), (172, 20288), (180, 20318), (200, 20375), (206, 20405), (208, 20411), (224, 20465), (226, 20471), (271, 20618), (273, 20621), (278, 20630), (284, 20648), (302, 20708), (304, 20717), (309, 20729), (325, 20780), (326, 20783), (380, 20948), (394, 21005), (417, 21089), (421, 21107), (423, 21116), (432, 21179), (459, 21299), (468, 21323), (471, 21344), (476, 21359), (480, 21377), (493, 21407), (512, 21497), (532, 21566), (537, 21599), (541, 21620), (549, 21656), (555, 21692), (563, 21737), (567, 21761), (568, 21767), (571, 21782), (574, 21800), (596, 21887), (602, 21911), (608, 21947), (610, 21953), (619, 21977), (656, 22052), (658, 22055), (689, 22142), (691, 22151), (692, 22157),

Gene: TribleTrouble_25 Start: 21122, Stop: 23572, Start Num: 26
Candidate Starts for TribleTrouble_25:
(Start: 26 @21122 has 55 MA's), (37, 21149), (Start: 44 @21170 has 1 MA's), (49, 21182), (62, 21227), (69, 21257), (76, 21287), (128, 21449), (134, 21470), (156, 21548), (170, 21593), (177, 21629), (183, 21647), (203, 21725), (212, 21761), (268, 21959), (277, 21974), (294, 22025), (311, 22082), (356, 22199), (365, 22241), (369, 22256), (373, 22265), (394, 22346), (396, 22364), (411, 22406), (415,

22427), (421, 22448), (423, 22457), (436, 22544), (459, 22640), (476, 22700), (478, 22712), (492, 22754), (513, 22841), (530, 22895), (537, 22934), (540, 22952), (559, 23051), (562, 23069), (572, 23123), (584, 23168), (588, 23180), (593, 23204), (599, 23231), (628, 23327), (633, 23336), (690, 23465), (698, 23492), (705, 23504),

Gene: Trice_23 Start: 20414, Stop: 22900, Start Num: 26
Candidate Starts for Trice_23:
(Start: 26 @20414 has 55 MA's), (Start: 44 @20462 has 1 MA's), (101, 20642), (102, 20645), (147, 20708), (153, 20720), (189, 20852), (198, 20891), (211, 20948), (218, 20972), (221, 20984), (236, 21032), (238, 21035), (250, 21068), (260, 21107), (268, 21140), (276, 21152), (280, 21161), (281, 21167), (301, 21233), (305, 21248), (340, 21359), (348, 21392), (369, 21476), (376, 21491), (393, 21551), (404, 21620), (429, 21740), (446, 21833), (472, 21947), (497, 22025), (498, 22031), (502, 22055), (515, 22118), (516, 22121), (519, 22133), (534, 22199), (535, 22205), (544, 22247), (547, 22268), (549, 22277), (554, 22310), (556, 22328), (568, 22397), (592, 22496), (593, 22502), (596, 22520), (605, 22574), (610, 22589), (623, 22616), (655, 22673),

Gene: Trike_30 Start: 21413, Stop: 23695, Start Num: 29
Candidate Starts for Trike_30:
(Start: 29 @21413 has 108 MA's), (45, 21446), (71, 21530), (91, 21596), (144, 21728), (181, 21842), (183, 21851), (Start: 201 @21935 has 1 MA's), (228, 22010), (249, 22088), (267, 22163), (286, 22208), (370, 22379), (411, 22526), (412, 22535), (414, 22544), (421, 22568), (465, 22769), (472, 22808), (498, 22898), (511, 22955), (525, 22997), (527, 23009), (537, 23060), (543, 23090), (546, 23108), (549, 23120), (571, 23240), (572, 23246), (604, 23378), (605, 23399), (606, 23402), (633, 23459), (644, 23486), (647, 23492), (684, 23573), (685, 23576), (715, 23678), (716, 23681),

Gene: Tristan_33 Start: 24889, Stop: 26664, Start Num: 29
Candidate Starts for Tristan_33:
(21, 24850), (Start: 29 @24889 has 108 MA's), (73, 25000), (75, 25009), (97, 25066), (107, 25093), (144, 25186), (235, 25279), (243, 25300), (257, 25309), (333, 25330), (338, 25342), (402, 25465), (411, 25498), (414, 25516), (421, 25540), (442, 25654), (465, 25741), (472, 25780), (476, 25792), (489, 25837), (537, 26032), (541, 26053), (571, 26212), (572, 26218), (604, 26347), (640, 26446), (647, 26461), (684, 26542), (699, 26602), (715, 26647),

Gene: Trixie_34 Start: 24439, Stop: 26220, Start Num: 33
Candidate Starts for Trixie_34:
(Start: 33 @24439 has 2 MA's), (73, 24556), (75, 24565), (124, 24697), (391, 24964), (411, 25054), (414, 25072), (421, 25096), (472, 25336), (498, 25426), (511, 25483), (540, 25606), (563, 25723), (571, 25768), (604, 25903), (605, 25924), (612, 25945), (647, 26017), (684, 26098), (690, 26128), (699, 26158),

Gene: Trooper_31 Start: 22613, Stop: 24916, Start Num: 36
Candidate Starts for Trooper_31:
(Start: 36 @22613 has 32 MA's), (46, 22634), (73, 22724), (95, 22790), (160, 22961), (198, 23105), (205, 23141), (214, 23171), (241, 23261), (258, 23327), (280, 23396), (391, 23657), (411, 23744), (414, 23762), (421, 23786), (426, 23816), (465, 23987), (476, 24038), (498, 24116), (511, 24173), (537, 24278), (541, 24299), (544, 24311), (560, 24404), (564, 24419), (568, 24443), (577, 24488), (585, 24509), (586, 24512), (601, 24575), (606, 24617), (617, 24650), (633, 24671), (663, 24743), (687, 24791), (699, 24839), (715, 24893),

Gene: Tubs_33 Start: 24377, Stop: 26143, Start Num: 32
Candidate Starts for Tubs_33:
(Start: 32 @24377 has 26 MA's), (38, 24389), (95, 24563), (130, 24653), (154, 24698), (157, 24707), (257, 24785), (335, 24809), (382, 24845), (411, 24974), (414, 24992), (465, 25217), (469, 25238),

(472, 25256), (498, 25346), (511, 25403), (540, 25526), (564, 25649), (571, 25688), (585, 25745), (604, 25826), (605, 25847), (606, 25850), (647, 25940), (690, 26051), (715, 26126),

Gene: Turbido_33 Start: 23266, Stop: 25470, Start Num: 34
Candidate Starts for Turbido_33:
(Start: 34 @23266 has 36 MA's), (73, 23380), (75, 23389), (88, 23422), (107, 23479), (160, 23617), (241, 23806), (280, 23941), (293, 23983), (315, 24055), (411, 24295), (414, 24313), (421, 24337), (439, 24445), (465, 24538), (472, 24577), (498, 24667), (511, 24724), (512, 24727), (529, 24784), (530, 24790), (537, 24829), (541, 24850), (577, 25039), (586, 25066), (630, 25219), (640, 25243), (664, 25297), (666, 25300), (686, 25339), (687, 25345), (699, 25393),

Gene: Twister_33 Start: 23481, Stop: 25316, Start Num: 29
Candidate Starts for Twister_33:
(Start: 29 @23481 has 108 MA's), (45, 23514), (91, 23664), (175, 23889), (181, 23910), (185, 23937), (402, 24117), (411, 24150), (414, 24168), (421, 24192), (439, 24300), (472, 24432), (489, 24489), (498, 24522), (511, 24579), (527, 24633), (531, 24648), (540, 24702), (560, 24810), (564, 24825), (568, 24849), (571, 24864), (590, 24936), (600, 24981), (604, 24999), (605, 25020), (606, 25023), (640, 25098), (647, 25113), (684, 25194), (690, 25224), (699, 25254), (715, 25299), (716, 25302),

Gene: Typha_27 Start: 23429, Stop: 26023, Start Num: 20
Candidate Starts for Typha_27:
(Start: 20 @23429 has 5 MA's), (28, 23468), (55, 23543), (82, 23645), (83, 23654), (107, 23732), (130, 23813), (132, 23822), (146, 23867), (148, 23870), (149, 23879), (153, 23891), (154, 23894), (164, 23918), (170, 23945), (172, 23954), (188, 24017), (203, 24083), (212, 24119), (213, 24122), (240, 24194), (241, 24200), (260, 24269), (287, 24353), (313, 24434), (321, 24455), (370, 24629), (386, 24656), (393, 24707), (399, 24752), (411, 24803), (412, 24812), (428, 24890), (449, 25013), (450, 25016), (451, 25019), (478, 25130), (498, 25193), (510, 25241), (531, 25328), (535, 25355), (537, 25364), (539, 25370), (549, 25421), (568, 25538), (569, 25541), (589, 25625), (596, 25661), (604, 25691), (606, 25715), (628, 25766), (632, 25772), (635, 25778), (684, 25880), (691, 25916), (715, 26006), (718, 26015),

Gene: Ugenie5_30 Start: 24410, Stop: 26176, Start Num: 32
Candidate Starts for Ugenie5_30:
(Start: 32 @24410 has 26 MA's), (38, 24422), (95, 24596), (130, 24686), (154, 24731), (157, 24740), (257, 24818), (335, 24842), (382, 24878), (411, 25007), (414, 25025), (465, 25250), (469, 25271), (472, 25289), (498, 25379), (511, 25436), (540, 25559), (564, 25682), (571, 25721), (585, 25778), (604, 25859), (605, 25880), (606, 25883), (647, 25973), (690, 26084), (715, 26159),

Gene: Unicorn_26 Start: 20093, Stop: 22432, Start Num: 26
Candidate Starts for Unicorn_26:
(Start: 26 @20093 has 55 MA's), (47, 20150), (79, 20264), (85, 20282), (104, 20333), (113, 20354), (166, 20432), (189, 20531), (192, 20543), (216, 20642), (218, 20651), (246, 20744), (268, 20825), (281, 20855), (286, 20867), (288, 20876), (294, 20894), (299, 20909), (305, 20933), (334, 20993), (348, 21038), (356, 21065), (369, 21122), (373, 21131), (393, 21200), (394, 21203), (396, 21221), (411, 21263), (415, 21284), (423, 21314), (436, 21401), (452, 21464), (459, 21497), (478, 21569), (495, 21617), (498, 21629), (513, 21698), (524, 21722), (537, 21791), (572, 21980), (592, 22055), (596, 22079), (628, 22184), (633, 22193), (640, 22211), (686, 22298), (690, 22322), (705, 22364), (720, 22424),

Gene: Updawg_33 Start: 23218, Stop: 25425, Start Num: 34
Candidate Starts for Updawg_33:
(Start: 34 @23218 has 36 MA's), (73, 23332), (75, 23341), (77, 23347), (85, 23368), (124, 23479), (160, 23569), (168, 23581), (241, 23758), (251, 23797), (280, 23893), (391, 24154), (411, 24244),

(418, 24274), (421, 24286), (463, 24484), (498, 24625), (500, 24646), (527, 24736), (529, 24742), (530, 24748), (537, 24787), (541, 24808), (548, 24844), (549, 24847), (560, 24913), (564, 24928), (565, 24931), (568, 24952), (574, 24985), (606, 25129), (629, 25177), (660, 25240), (687, 25300), (699, 25348), (715, 25402),

Gene: Validus_27 Start: 20168, Stop: 22669, Start Num: 26
Candidate Starts for Validus_27:
(Start: 26 @20168 has 55 MA's), (61, 20267), (66, 20285), (79, 20339), (99, 20390), (104, 20408), (153, 20474), (170, 20528), (189, 20606), (198, 20645), (211, 20702), (221, 20738), (238, 20789), (255, 20834), (267, 20888), (268, 20891), (280, 20912), (281, 20918), (294, 20957), (340, 21110), (351, 21155), (369, 21227), (389, 21281), (393, 21302), (395, 21314), (413, 21407), (416, 21422), (428, 21485), (446, 21581), (497, 21773), (498, 21779), (502, 21803), (515, 21866), (535, 21953), (549, 22025), (554, 22058), (556, 22076), (563, 22115), (608, 22331), (661, 22442), (684, 22499), (688, 22517), (695, 22547),

Gene: Vanisoa_30 Start: 22263, Stop: 24611, Start Num: 41
Candidate Starts for Vanisoa_30:
(39, 22257), (Start: 41 @22263 has 2 MA's), (71, 22362), (81, 22395), (125, 22530), (158, 22620), (184, 22722), (192, 22749), (205, 22785), (226, 22854), (229, 22860), (297, 23070), (309, 23112), (336, 23202), (344, 23229), (387, 23343), (394, 23376), (415, 23457), (423, 23487), (425, 23493), (443, 23595), (459, 23673), (476, 23733), (493, 23781), (495, 23793), (533, 23946), (537, 23973), (540, 23991), (549, 24030), (553, 24060), (568, 24141), (569, 24144), (602, 24285), (619, 24351), (641, 24396), (652, 24417), (656, 24426), (692, 24531), (712, 24576), (714, 24588),

Gene: Veracruz_31 Start: 23373, Stop: 25232, Start Num: 202
Candidate Starts for Veracruz_31:
(Start: 202 @23373 has 32 MA's), (248, 23517), (255, 23535), (262, 23574), (268, 23595), (287, 23637), (293, 23655), (343, 23814), (350, 23841), (387, 23946), (392, 23967), (411, 24054), (421, 24096), (469, 24318), (472, 24336), (498, 24426), (511, 24483), (549, 24648), (559, 24702), (560, 24714), (564, 24729), (594, 24858), (595, 24870), (606, 24930), (610, 24942), (635, 24987), (641, 25005), (699, 25152), (710, 25179), (715, 25209),

Gene: Vix_33 Start: 23359, Stop: 25116, Start Num: 29
Candidate Starts for Vix_33:
(Start: 29 @23359 has 108 MA's), (73, 23494), (95, 23560), (112, 23605), (124, 23641), (173, 23773), (257, 23809), (377, 23830), (394, 23887), (409, 23947), (424, 24001), (432, 24061), (459, 24181), (463, 24184), (478, 24253), (488, 24277), (511, 24370), (516, 24391), (530, 24436), (597, 24766), (612, 24835), (641, 24898), (712, 25069),

Gene: WalterMcMickey_33 Start: 23481, Stop: 25316, Start Num: 29
Candidate Starts for WalterMcMickey_33:
(Start: 29 @23481 has 108 MA's), (45, 23514), (91, 23664), (175, 23889), (181, 23910), (185, 23937), (402, 24117), (411, 24150), (414, 24168), (421, 24192), (439, 24300), (472, 24432), (489, 24489), (498, 24522), (511, 24579), (527, 24633), (531, 24648), (540, 24702), (560, 24810), (564, 24825), (568, 24849), (571, 24864), (590, 24936), (600, 24981), (604, 24999), (605, 25020), (606, 25023), (640, 25098), (647, 25113), (684, 25194), (690, 25224), (699, 25254), (715, 25299), (716, 25302),

Gene: Watson_33 Start: 23269, Stop: 25026, Start Num: 29
Candidate Starts for Watson_33:
(Start: 29 @23269 has 108 MA's), (73, 23404), (95, 23470), (112, 23515), (124, 23551), (173, 23683), (257, 23719), (377, 23740), (394, 23797), (409, 23857), (424, 23911), (432, 23971), (459, 24091), (463, 24094), (478, 24163), (488, 24187), (511, 24280), (516, 24301), (530, 24346), (597, 24676), (612, 24745), (641, 24808), (712, 24979),

Gene: WeiHuaDA_37 Start: 25110, Stop: 26891, Start Num: 33
Candidate Starts for WeiHuaDA_37:
(Start: 33 @25110 has 2 MA's), (73, 25227), (75, 25236), (124, 25368), (243, 25527), (391, 25635), (392, 25638), (411, 25725), (414, 25743), (421, 25767), (465, 25968), (472, 26007), (498, 26097), (511, 26154), (527, 26208), (540, 26277), (563, 26394), (571, 26439), (604, 26574), (605, 26595), (612, 26616), (644, 26682), (684, 26769), (690, 26799), (699, 26829), (715, 26874),

Gene: Whabigail7_33 Start: 23254, Stop: 25458, Start Num: 34
Candidate Starts for Whabigail7_33:
(Start: 34 @23254 has 36 MA's), (73, 23368), (75, 23377), (88, 23410), (107, 23467), (160, 23605), (241, 23794), (280, 23929), (293, 23971), (315, 24043), (411, 24283), (414, 24301), (421, 24325), (439, 24433), (465, 24526), (472, 24565), (498, 24655), (511, 24712), (512, 24715), (529, 24772), (530, 24778), (537, 24817), (541, 24838), (577, 25027), (586, 25054), (630, 25207), (640, 25231), (664, 25285), (666, 25288), (686, 25327), (687, 25333), (699, 25381),

Gene: Whirlwind_22 Start: 19481, Stop: 21994, Start Num: 10
Candidate Starts for Whirlwind_22:
(Start: 10 @19481 has 19 MA's), (16, 19544), (31, 19616), (94, 19814), (148, 19958), (151, 19976), (156, 19988), (163, 20006), (172, 20045), (175, 20060), (180, 20075), (200, 20132), (206, 20162), (208, 20168), (224, 20222), (226, 20228), (244, 20285), (271, 20375), (273, 20378), (278, 20387), (284, 20405), (302, 20465), (325, 20537), (326, 20540), (368, 20684), (380, 20705), (394, 20762), (417, 20846), (421, 20864), (423, 20873), (459, 21056), (471, 21101), (476, 21116), (480, 21134), (493, 21164), (505, 21224), (512, 21254), (532, 21323), (537, 21356), (541, 21377), (549, 21413), (553, 21443), (567, 21518), (568, 21524), (571, 21539), (574, 21557), (584, 21590), (595, 21641), (596, 21644), (603, 21671), (608, 21704), (619, 21734), (656, 21809), (673, 21845), (691, 21908), (692, 21914), (718, 21986),

Gene: WideWale_33 Start: 23218, Stop: 25425, Start Num: 34
Candidate Starts for WideWale_33:
(Start: 34 @23218 has 36 MA's), (73, 23332), (75, 23341), (77, 23347), (85, 23368), (124, 23479), (160, 23569), (168, 23581), (241, 23758), (251, 23797), (280, 23893), (391, 24154), (411, 24244), (418, 24274), (421, 24286), (463, 24484), (498, 24625), (500, 24646), (527, 24736), (529, 24742), (530, 24748), (537, 24787), (541, 24808), (548, 24844), (549, 24847), (560, 24913), (564, 24928), (565, 24931), (568, 24952), (574, 24985), (606, 25129), (629, 25177), (660, 25240), (687, 25300), (699, 25348), (715, 25402),

Gene: Willsammy_21 Start: 18930, Stop: 21569, Start Num: 9
Candidate Starts for Willsammy_21:
(Start: 9 @18930 has 17 MA's), (11, 18939), (Start: 41 @19083 has 2 MA's), (130, 19356), (132, 19365), (133, 19368), (139, 19389), (145, 19401), (146, 19410), (153, 19434), (170, 19488), (188, 19566), (195, 19596), (203, 19632), (208, 19653), (212, 19668), (226, 19710), (240, 19743), (260, 19818), (264, 19842), (266, 19848), (272, 19860), (287, 19902), (289, 19908), (318, 19995), (357, 20127), (362, 20145), (370, 20178), (386, 20205), (393, 20256), (431, 20466), (444, 20532), (451, 20568), (476, 20667), (478, 20679), (498, 20742), (535, 20904), (539, 20919), (549, 20970), (568, 21087), (576, 21132), (589, 21174), (596, 21210), (606, 21264), (628, 21312), (690, 21456), (707, 21513), (715, 21552), (718, 21561),

Gene: Wintermute_28 Start: 22272, Stop: 24581, Start Num: 60
Candidate Starts for Wintermute_28:
(Start: 60 @22272 has 18 MA's), (83, 22362), (95, 22383), (102, 22407), (168, 22524), (198, 22653), (212, 22713), (233, 22785), (236, 22794), (252, 22845), (254, 22851), (257, 22860), (268, 22911), (276, 22923), (281, 22938), (283, 22944), (294, 22977), (309, 23025), (334, 23079), (356, 23151),

(364, 23190), (367, 23202), (373, 23217), (390, 23262), (404, 23331), (424, 23412), (452, 23565), (464, 23607), (494, 23736), (502, 23781), (516, 23847), (521, 23862), (541, 23958), (568, 24111), (571, 24126), (572, 24132), (577, 24156), (579, 24162), (580, 24168), (581, 24171), (586, 24195), (589, 24207), (607, 24303), (632, 24354), (633, 24357), (668, 24426), (685, 24462), (691, 24495), (713, 24549), (714, 24558), (718, 24573),

Gene: Wooldri_35 Start: 23188, Stop: 24945, Start Num: 29
Candidate Starts for Wooldri_35:
(Start: 29 @23188 has 108 MA's), (73, 23323), (95, 23389), (112, 23434), (124, 23470), (173, 23602), (257, 23638), (377, 23659), (394, 23716), (409, 23776), (424, 23830), (432, 23890), (459, 24010), (463, 24013), (478, 24082), (488, 24106), (511, 24199), (516, 24220), (530, 24265), (597, 24595), (612, 24664), (641, 24727), (712, 24898),

Gene: Xeno_20 Start: 17553, Stop: 20198, Start Num: 9
Candidate Starts for Xeno_20:
(7, 17541), (Start: 9 @17553 has 17 MA's), (12, 17565), (13, 17577), (18, 17631), (40, 17700), (Start: 41 @17703 has 2 MA's), (Start: 44 @17712 has 1 MA's), (50, 17727), (103, 17904), (130, 17985), (132, 17994), (149, 18051), (154, 18066), (190, 18198), (200, 18246), (203, 18261), (208, 18282), (220, 18324), (226, 18339), (230, 18348), (240, 18375), (241, 18381), (260, 18450), (264, 18471), (266, 18477), (270, 18486), (281, 18513), (318, 18624), (326, 18645), (333, 18669), (354, 18735), (357, 18756), (362, 18774), (370, 18807), (384, 18831), (386, 18834), (393, 18885), (412, 18990), (423, 19032), (451, 19197), (475, 19293), (498, 19371), (501, 19383), (523, 19473), (535, 19533), (537, 19542), (546, 19590), (549, 19599), (568, 19716), (576, 19761), (589, 19803), (604, 19869), (606, 19893), (628, 19941), (632, 19947), (635, 19953), (683, 20052), (686, 20061), (691, 20091), (715, 20181), (718, 20190),

Gene: Ximenita_27 Start: 20205, Stop: 22535, Start Num: 26
Candidate Starts for Ximenita_27:
(Start: 26 @20205 has 55 MA's), (49, 20265), (85, 20394), (91, 20406), (104, 20445), (166, 20541), (168, 20550), (189, 20640), (198, 20679), (209, 20727), (216, 20751), (218, 20760), (246, 20853), (251, 20868), (268, 20934), (281, 20964), (286, 20976), (294, 21003), (299, 21018), (305, 21042), (334, 21102), (348, 21147), (356, 21174), (364, 21213), (369, 21231), (373, 21240), (393, 21309), (394, 21312), (396, 21330), (411, 21372), (415, 21393), (421, 21414), (423, 21423), (428, 21459), (436, 21510), (478, 21675), (504, 21765), (513, 21804), (516, 21813), (530, 21858), (534, 21882), (537, 21897), (540, 21915), (547, 21945), (572, 22086), (584, 22131), (592, 22161), (596, 22185), (599, 22194), (604, 22215), (609, 22245), (690, 22428), (700, 22455), (705, 22467), (720, 22527),

Gene: Y10_28 Start: 22272, Stop: 24581, Start Num: 60
Candidate Starts for Y10_28:
(Start: 60 @22272 has 18 MA's), (83, 22362), (95, 22383), (102, 22407), (168, 22524), (198, 22653), (212, 22713), (233, 22785), (236, 22794), (252, 22845), (254, 22851), (257, 22860), (268, 22911), (276, 22923), (281, 22938), (283, 22944), (294, 22977), (309, 23025), (334, 23079), (356, 23151), (364, 23190), (367, 23202), (373, 23217), (390, 23262), (404, 23331), (424, 23412), (452, 23565), (464, 23607), (494, 23736), (502, 23781), (516, 23847), (521, 23862), (541, 23958), (568, 24111), (571, 24126), (572, 24132), (577, 24156), (579, 24162), (580, 24168), (581, 24171), (586, 24195), (589, 24207), (607, 24303), (632, 24354), (633, 24357), (668, 24426), (685, 24462), (691, 24495), (713, 24549), (714, 24558), (718, 24573),

Gene: Y2_28 Start: 22272, Stop: 24581, Start Num: 60
Candidate Starts for Y2_28:
(Start: 60 @22272 has 18 MA's), (83, 22362), (95, 22383), (102, 22407), (168, 22524), (198, 22653), (212, 22713), (233, 22785), (236, 22794), (252, 22845), (254, 22851), (257, 22860), (268, 22911), (276, 22923), (281, 22938), (283, 22944), (294, 22977), (309, 23025), (334, 23079), (356, 23151),

(364, 23190), (367, 23202), (373, 23217), (390, 23262), (404, 23331), (424, 23412), (452, 23565), (464, 23607), (494, 23736), (502, 23781), (516, 23847), (521, 23862), (541, 23958), (568, 24111), (571, 24126), (572, 24132), (577, 24156), (579, 24162), (580, 24168), (581, 24171), (586, 24195), (589, 24207), (607, 24303), (632, 24354), (633, 24357), (668, 24426), (685, 24462), (691, 24495), (713, 24549), (714, 24558), (718, 24573),

Gene: YasnayaPolyana_28 Start: 22273, Stop: 24582, Start Num: 60
Candidate Starts for YasnayaPolyana_28:
(Start: 60 @22273 has 18 MA's), (83, 22363), (95, 22384), (102, 22408), (168, 22525), (198, 22654), (212, 22714), (233, 22786), (236, 22795), (252, 22846), (254, 22852), (257, 22861), (268, 22912), (276, 22924), (281, 22939), (283, 22945), (294, 22978), (309, 23026), (334, 23080), (356, 23152), (364, 23191), (367, 23203), (373, 23218), (390, 23263), (404, 23332), (424, 23413), (452, 23566), (464, 23608), (494, 23737), (502, 23782), (516, 23848), (521, 23863), (541, 23959), (568, 24112), (571, 24127), (572, 24133), (577, 24157), (579, 24163), (580, 24169), (581, 24172), (586, 24196), (589, 24208), (607, 24304), (632, 24355), (633, 24358), (668, 24427), (685, 24463), (691, 24496), (713, 24550), (714, 24559), (718, 24574),

Gene: Yuna_28 Start: 20819, Stop: 23209, Start Num: 26
Candidate Starts for Yuna_28:
(Start: 26 @20819 has 55 MA's), (Start: 44 @20867 has 1 MA's), (58, 20906), (61, 20918), (104, 21059), (147, 21113), (153, 21125), (170, 21179), (174, 21200), (186, 21251), (189, 21257), (210, 21347), (211, 21353), (238, 21440), (254, 21482), (255, 21485), (265, 21533), (268, 21542), (281, 21569), (285, 21578), (294, 21608), (311, 21665), (340, 21761), (342, 21773), (369, 21878), (394, 21947), (405, 21986), (412, 22016), (435, 22139), (441, 22160), (462, 22244), (473, 22295), (474, 22298), (475, 22301), (487, 22340), (502, 22394), (514, 22451), (539, 22553), (540, 22565), (560, 22682), (562, 22688), (570, 22730), (595, 22838), (608, 22901), (684, 23054), (685, 23057), (716, 23183),

Gene: Zarafa_31 Start: 22901, Stop: 24760, Start Num: 202
Candidate Starts for Zarafa_31:
(Start: 202 @22901 has 32 MA's), (243, 23027), (245, 23036), (262, 23102), (268, 23123), (287, 23165), (337, 23321), (350, 23369), (371, 23438), (375, 23444), (387, 23474), (411, 23582), (414, 23600), (421, 23624), (472, 23864), (498, 23954), (529, 24071), (549, 24176), (560, 24242), (564, 24257), (602, 24428), (641, 24533), (665, 24587), (686, 24626), (699, 24680), (710, 24707), (714, 24731),

Gene: Zenteno07_34 Start: 28705, Stop: 31170, Start Num: 23
Candidate Starts for Zenteno07_34:
(Start: 23 @28705 has 5 MA's), (57, 28801), (62, 28819), (71, 28852), (78, 28879), (172, 29170), (193, 29257), (219, 29356), (234, 29410), (245, 29443), (255, 29473), (262, 29503), (263, 29509), (282, 29554), (287, 29569), (296, 29596), (301, 29617), (312, 29650), (316, 29662), (351, 29779), (358, 29809), (370, 29845), (387, 29884), (411, 29992), (414, 30010), (445, 30169), (454, 30205), (472, 30274), (476, 30286), (495, 30352), (511, 30421), (513, 30433), (530, 30487), (532, 30493), (533, 30499), (536, 30523), (540, 30544), (568, 30691), (577, 30736), (586, 30763), (640, 30940), (659, 30979), (662, 30994), (665, 30997), (691, 31066), (699, 31090), (709, 31111),

Gene: Zetzy_32 Start: 22817, Stop: 24574, Start Num: 29
Candidate Starts for Zetzy_32:
(Start: 29 @22817 has 108 MA's), (73, 22952), (95, 23018), (112, 23063), (169, 23210), (257, 23267), (377, 23288), (409, 23405), (424, 23459), (432, 23519), (453, 23612), (459, 23639), (463, 23642), (478, 23711), (488, 23735), (499, 23780), (513, 23840), (516, 23849), (530, 23894), (537, 23933), (549, 23990), (597, 24224), (612, 24293), (641, 24356), (690, 24464),

Gene: ZoeJ_23 Start: 18602, Stop: 20941, Start Num: 26
Candidate Starts for ZoeJ_23:
(Start: 26 @18602 has 55 MA's), (166, 18953), (168, 18962), (176, 19007), (216, 19151), (224, 19175), (268, 19334), (280, 19358), (281, 19364), (286, 19376), (294, 19403), (334, 19502), (356, 19574), (365, 19616), (366, 19622), (369, 19631), (393, 19712), (396, 19733), (411, 19775), (423, 19826), (436, 19913), (439, 19922), (462, 20012), (476, 20066), (478, 20078), (498, 20138), (512, 20198), (516, 20216), (537, 20300), (547, 20348), (559, 20417), (561, 20432), (572, 20489), (580, 20513), (585, 20537), (588, 20546), (596, 20588), (599, 20597), (624, 20684), (633, 20702), (686, 20807), (690, 20831),