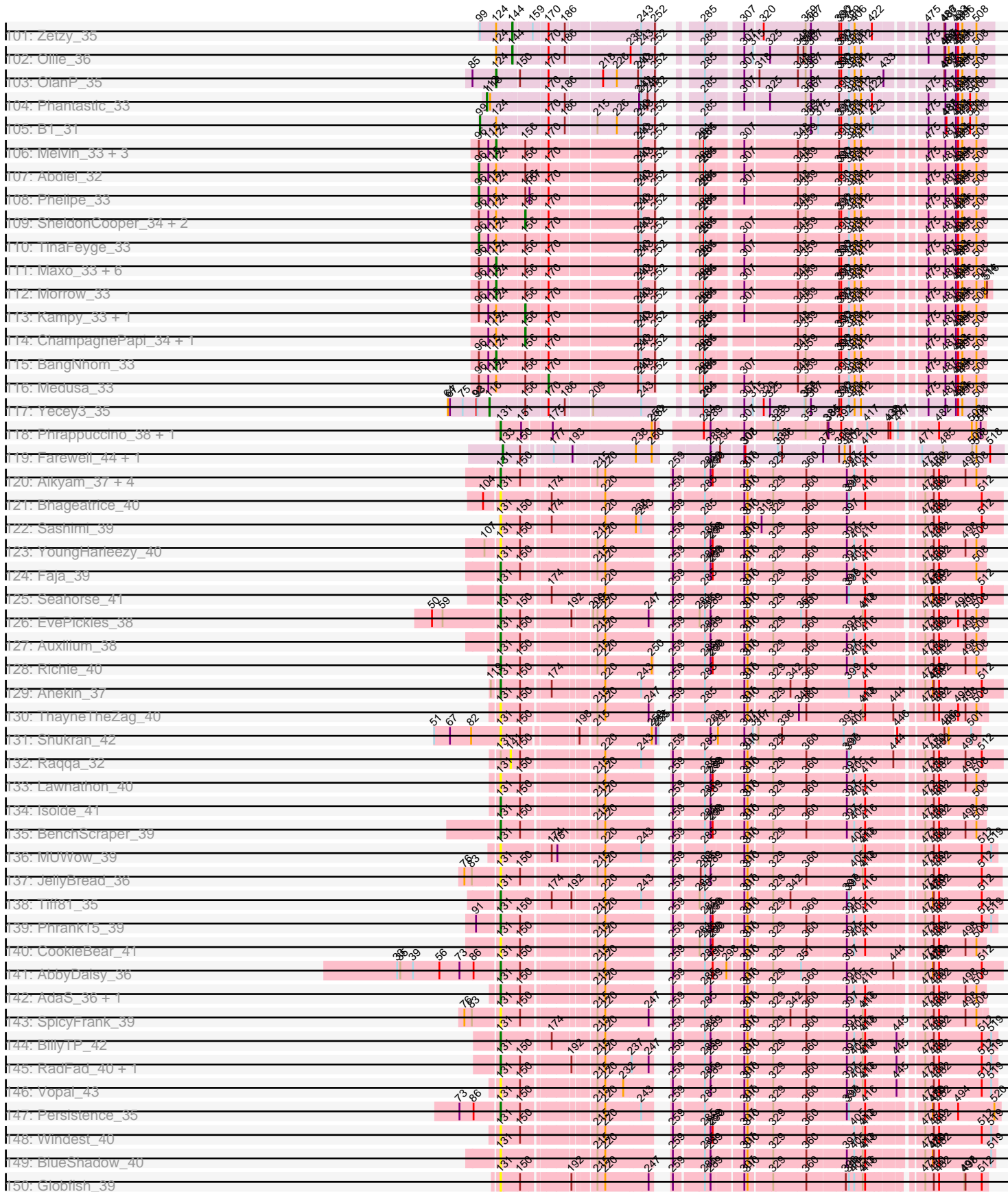


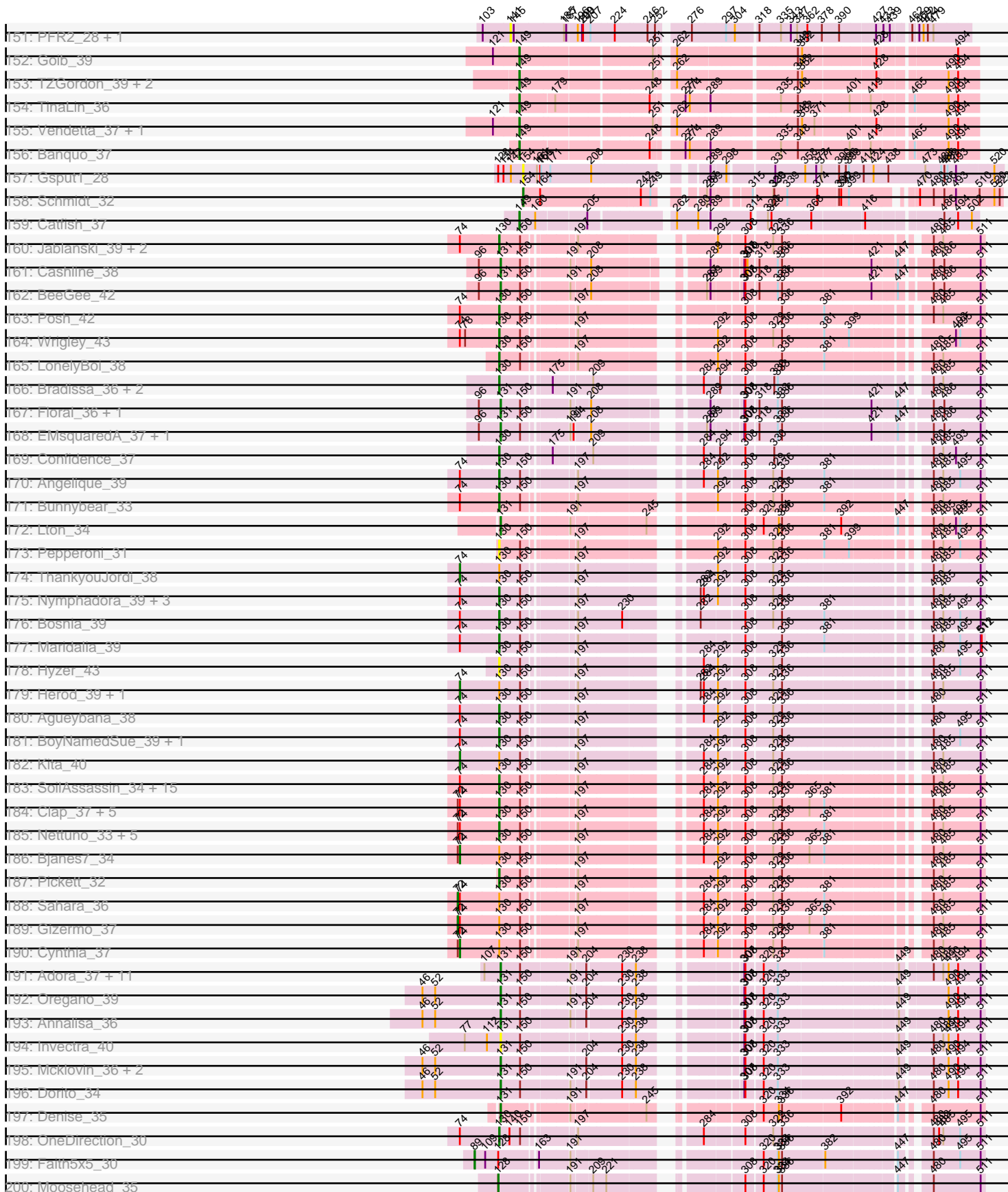
Pham 224134

1: Pharaoh_32	88	116	156	170	186	243	252	288	307	320	330	341	475	487	508
2: Zimmer_35	90	121	151	170	188	231	252	288	301	330	341	352	475	487	508
3: Kimona_30	124	139	151	170	188	231	252	288	301	330	341	352	475	487	508
4: Baehexic_34 + 5	128	139	158	170	188	219	231	252	288	301	330	341	475	487	508
5: SwiftSquare_35	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
6: Gratitude_34	102	144	158	170	188	231	252	288	301	330	341	352	475	487	508
7: XianYue_35	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
8: Iwokeupikedis_34	85	124	150	170	188	221	243	252	288	301	330	341	475	487	508
9: Sknot_35 + 1	124	144	170	188	209	231	252	288	301	330	341	352	475	487	508
10: Bactobuster_35	104	156	170	188	209	231	252	288	301	330	341	352	475	487	508
11: Leviathan_35	124	151	170	188	209	231	252	288	301	330	341	352	475	487	508
12: MajorMajor_34 + 2	116	170	188	209	231	252	288	301	330	341	352	475	487	508	
13: Pukovnik_35	104	158	170	188	209	231	252	288	301	330	341	352	475	487	508
14: KingCyrus_36	124	151	170	188	209	231	252	288	301	330	341	352	475	487	508
15: QueenBeesty_34 + 1	124	151	170	188	209	231	252	288	301	330	341	352	475	487	508
16: Jaan_37	80	124	150	170	188	231	252	288	301	330	341	352	475	487	508
17: C3_31	124	151	170	188	215	231	252	288	301	330	341	352	475	487	508
18: Kaipine_35	124	151	170	188	215	231	252	288	301	330	341	352	475	487	508
19: LionsBait_35	85	124	150	170	188	221	243	252	288	301	330	341	475	487	508
20: MiculOcigas_34	124	151	170	188	209	231	252	288	301	330	341	352	475	487	508
21: Serenity_34	88	124	150	170	188	231	252	288	301	330	341	352	475	487	508
22: TarsusIV_33	80	124	150	170	188	231	252	288	301	330	341	352	475	487	508
23: Leogania_35	80	124	150	170	188	231	252	288	301	330	341	352	475	487	508
24: AIN9_36 + 4	88	124	150	170	188	204	231	252	288	301	330	341	475	487	508
25: Journey13_31	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
26: WeiHuaDA_38	128	158	170	188	209	231	252	288	301	330	341	352	475	487	508
27: Ph8s_35	124	158	170	188	219	231	252	288	301	330	341	352	475	487	508
28: Koduck_33 + 1	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
29: Trixie_35	85	124	150	170	188	221	243	252	288	301	330	341	475	487	508
30: SnapTap_34 + 2	104	156	170	188	209	231	252	288	301	330	341	352	475	487	508
31: Agape74_35 + 1	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
32: Pomar16_37	111	158	170	188	209	231	252	288	301	330	341	352	475	487	508
33: Hellatump_35	128	158	170	188	219	231	252	288	301	330	341	352	475	487	508
34: Cher12_36	119	150	170	188	209	231	252	288	301	330	341	352	475	487	508
35: Bianca1192_35	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
36: Duplo_37	85	124	150	170	188	215	231	252	301	330	341	352	475	487	508
37: Drake55_36	124	150	170	188	215	231	252	288	301	330	341	352	475	487	508
38: Odin_33	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
39: Naji_37 + 2	104	150	170	188	209	231	252	288	301	330	341	352	475	487	508
40: Larenn_35	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
41: Acolyte_34	124	151	170	188	209	231	252	288	301	330	341	352	475	487	508
42: Jsquared_34	85	124	150	170	188	236	252	288	301	330	341	352	475	487	508
43: Daimatian_35 + 2	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
44: Adzzy_35	104	156	170	188	209	231	252	288	301	330	341	352	475	487	508
45: IronMan_36	124	144	170	188	209	231	252	288	301	330	341	352	475	487	508
46: Phaded_37	85	124	150	170	188	228	236	252	301	330	341	352	475	487	508
47: GaugeLDP_35	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
48: NothingSpecial_35	111	150	170	188	209	231	252	288	301	330	341	352	475	487	508
49: Landor_35	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508
50: StarStuff_37 + 1	124	150	170	188	209	231	252	288	301	330	341	352	475	487	508

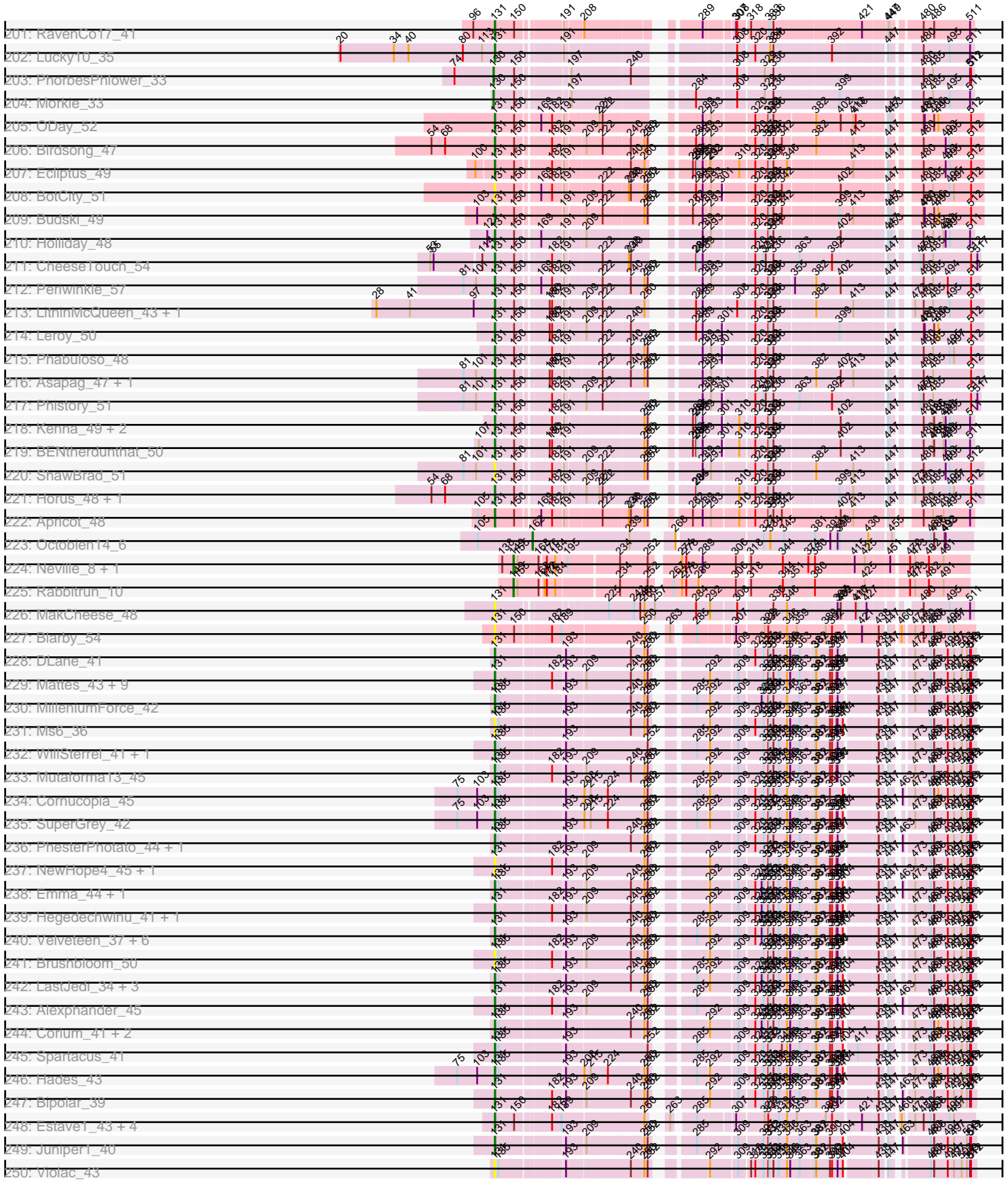
Pham 224134



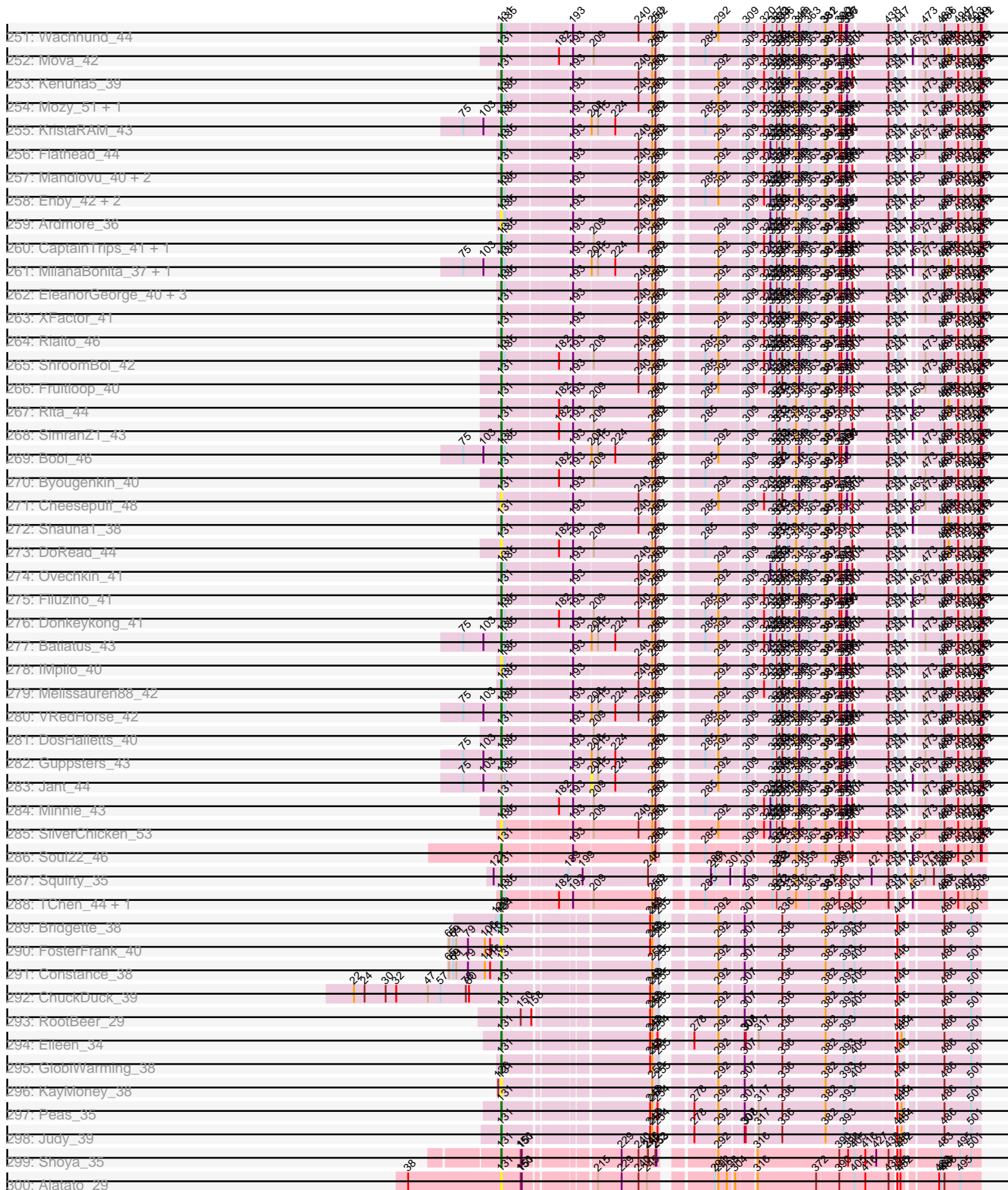
Pham 224134



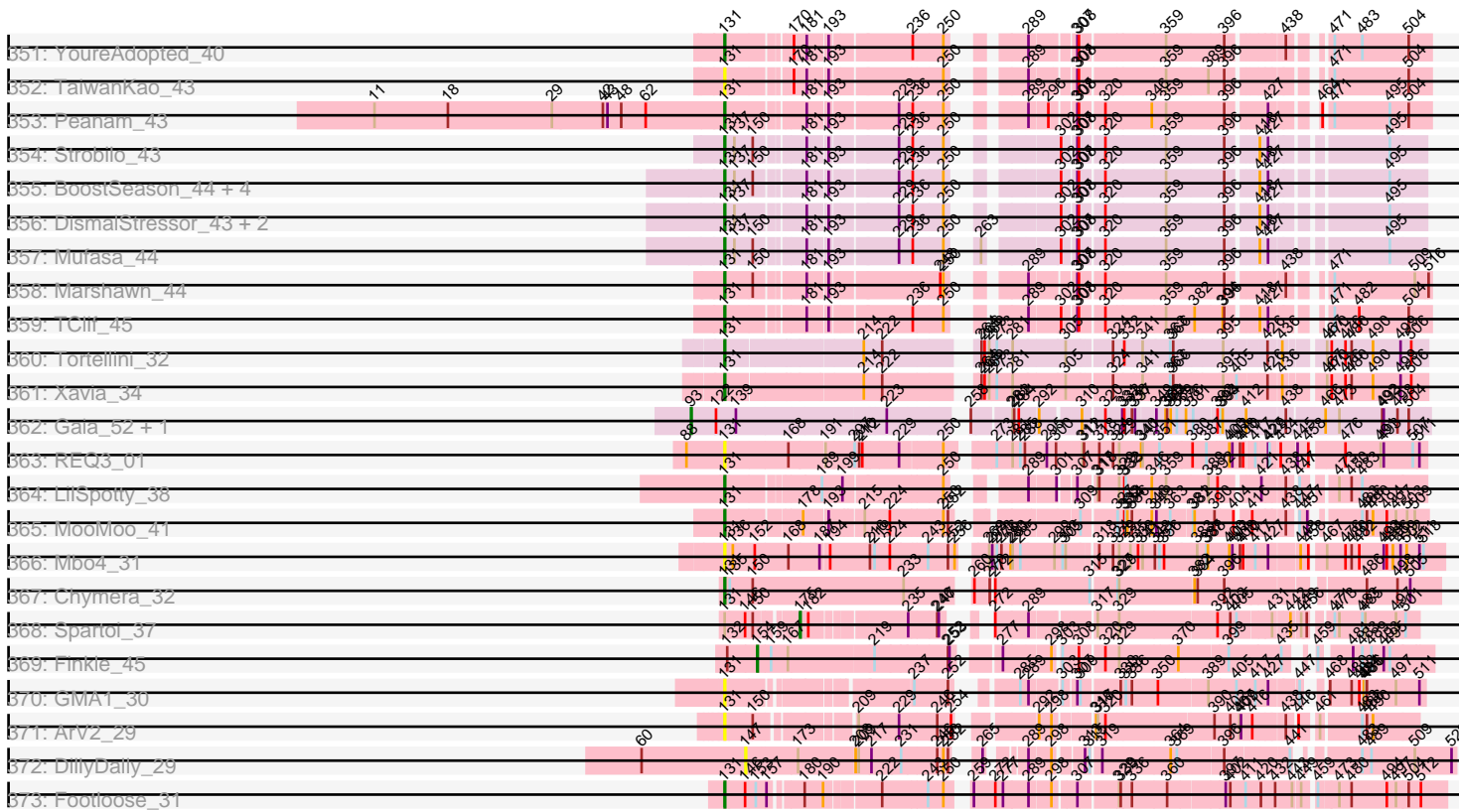
Pham 224134



Pham 224134



Pham 224134



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 224134 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224134 has 672 members, 94 are drafts.

Phages represented in each track:

- Track 1 : Pharaoh_32
- Track 2 : Zimmer_35
- Track 3 : Kimona_30
- Track 4 : Baehexic_34, Centaur_35, WideWale_35, Terrific_37, Updawg_35, Equemioh13_35
- Track 5 : SwirlSquare_35
- Track 6 : Gratitude_34
- Track 7 : XianYue_35
- Track 8 : Iwokeuplikedis_34
- Track 9 : Sknot_35, Flare16_34
- Track 10 : Bactobuster_35
- Track 11 : Leviathan_35
- Track 12 : MajorMajor_34, Bradman_34, Quokka_33
- Track 13 : Pukovnik_35
- Track 14 : KingCyrus_36
- Track 15 : QueenBeesly_34, FiringLine_34
- Track 16 : Jaan_37
- Track 17 : C3_31
- Track 18 : Kalpine_35
- Track 19 : LionsBait_35
- Track 20 : MiculUcigas_34
- Track 21 : Serenity_34
- Track 22 : TarsusIV_33
- Track 23 : Leogania_35
- Track 24 : AN9_36, ANI8_36, VC3_36, AN3_33, VA6_33
- Track 25 : Journey13_31
- Track 26 : WeiHuaDA_38
- Track 27 : Ph8s_35
- Track 28 : Koduck_33, L5_33
- Track 29 : Trixie_35
- Track 30 : SnapTap_34, Crucio_34, SweetiePie_34
- Track 31 : Agape74_35, AbbyPaige_35
- Track 32 : Pomar16_37
- Track 33 : Heffalump_35
- Track 34 : Che12_36
- Track 35 : BiancaTri92_35
- Track 36 : Duplo_37

- Track 37 : Drake55_36
- Track 38 : Odin_33
- Track 39 : Naji_37, D29_33, D32_37
- Track 40 : Larenn_35
- Track 41 : Acolyte_34
- Track 42 : Jsquared_34
- Track 43 : Dalmatian_35, Anselm_35, Retro23_35
- Track 44 : Adzzy_35
- Track 45 : IronMan_36
- Track 46 : Phaded_37
- Track 47 : GaugeLDP_35
- Track 48 : NothingSpecial_35
- Track 49 : Landor_35
- Track 50 : StarStuff_37, Kerberos_37
- Track 51 : Dignity_35, Jerm_35
- Track 52 : Tomathan_37
- Track 53 : EvilGenius_36
- Track 54 : Georgie2_35
- Track 55 : DBQu4n_37
- Track 56 : Caraxes_33, Superchunk_33
- Track 57 : Turbido_34
- Track 58 : JoshKayV_35
- Track 59 : NicoleTera_37
- Track 60 : Power_33
- Track 61 : ChipMunk_36
- Track 62 : Travvers_37
- Track 63 : SemperFi_35
- Track 64 : HarryHoudini_36
- Track 65 : TipsytheTRex_33
- Track 66 : Trooper_35
- Track 67 : Whabigail7_34, LilTurb_34
- Track 68 : DudeLittle_33
- Track 69 : NaSiaTalie_34
- Track 70 : Buggy_36
- Track 71 : Colin_37
- Track 72 : Fameo_34
- Track 73 : MissWhite_33
- Track 74 : Malec_36
- Track 75 : Tristan_35
- Track 76 : Piro94_34
- Track 77 : QueenB2_34
- Track 78 : Smeagan_36
- Track 79 : Vix_36, Dieselweasel_36, MuchMore_38, Colbster_36, Grum1_36, JHC117_36, Grif_36, Penny1_36, EpicPhail_36, LBerry_36, MarQuardt_36, Tiffany_36, AugsMagnumOpus_38, Mainiac_36, Cullens_36, LugYA_38, Bigflo_36, Anubis_38, P28Green_36, Phoebe_36, Beauxregard13_36, MoneyMay_36, Marie_36, Sabinator_36, Hercules11_36, StepMih_36, MadMarie_36, PotatoSplit_37, SoYo_36, BreSam8_36, Sabia_36, Stagni_36
- Track 80 : Microwolf_36, Malinsilva_38, Farber_36, Lilith_36
- Track 81 : Grub_36, DaHudson_36, GtownJaz_36, Aglet_36, Watson_36, Iowa_36, Pembroke_36, Wooldri_38, PGHhamlin_38
- Track 82 : Heathen_33, HelDan_33, Puppy_34

- Track 83 : Kalb97_36, Reba_36, Manu_36, Marius_36, Groupthink_36, Kalnoky_36, Phranny_36, PurpleHaze_35, Pawn_35, Heliosoles_35, PhishRPhriends_34, Gemma_35
- Track 84 : BabyJohn_32, Chiqui_32
- Track 85 : Pistachio_34, SaturnRing_33, BlueBird_34, Idleandcovert_33, Bugatti_33
- Track 86 : Scout_33, Fred313_33, DropBear_33
- Track 87 : JF4_33, JF2_33, MK4_33
- Track 88 : MA5_33
- Track 89 : Jobu08_35, SoilDragon_35
- Track 90 : GingkoMaracino_36, Snickers_36, Fernando_36, Taurus_36, JenCasNa_36
- Track 91 : JeppNRM_36, ACFishhook_35
- Track 92 : Kachowdy_33
- Track 93 : Giroux_33
- Track 94 : HaveUMetTed_36
- Track 95 : Isca_33
- Track 96 : Marchesa_33
- Track 97 : Rockstar_33
- Track 98 : Calvinny_36
- Track 99 : TNguyen7_33
- Track 100 : BabyRay_33
- Track 101 : Zetzy_35
- Track 102 : Ollie_36
- Track 103 : OlanP_35
- Track 104 : Phantastic_33
- Track 105 : B1_31
- Track 106 : Melvin_33, TroyPia_33, BellusTerra_33, Commander_33
- Track 107 : Abdiel_32
- Track 108 : Felipe_33
- Track 109 : SheldonCooper_34, Cerulean_34, Obama12_34
- Track 110 : TinaFeyge_33
- Track 111 : Maxo_33, Eurydice_33, Eagle_32, Ohfah_33, Sparxx_33, Nebs_33, Polymorphads_33
- Track 112 : Morrow_33
- Track 113 : Kampy_33, LeoAvram_33
- Track 114 : ChampagnePapi_34, LHTSCC_34
- Track 115 : BangNhom_33
- Track 116 : Medusa_33
- Track 117 : Yecey3_35
- Track 118 : Phrappuccino_38, Settecandela_38
- Track 119 : Farewell_44, Sparky_45
- Track 120 : Aikyam_37, MaterMagnus_40, Gorpy_41, Raffaella_40, Sakai_40
- Track 121 : Bhageatrice_40
- Track 122 : Sashimi_39
- Track 123 : YoungHarleezy_40
- Track 124 : Faja_39
- Track 125 : Seahorse_41
- Track 126 : EvePickles_38
- Track 127 : Auxilium_38
- Track 128 : Richie_40
- Track 129 : Anekin_37
- Track 130 : ThayneTheZag_40
- Track 131 : Shukran_42

- Track 132 : Raqqa_32
- Track 133 : Lawnathon_40
- Track 134 : Isolde_41
- Track 135 : BenchScraper_39
- Track 136 : MUWow_39
- Track 137 : JellyBread_36
- Track 138 : Tiff81_35
- Track 139 : Phrank15_39
- Track 140 : CookieBear_41
- Track 141 : AbbyDaisy_36
- Track 142 : AdaS_36, MidnightRain_42
- Track 143 : SpicyFrank_39
- Track 144 : BillyTP_42
- Track 145 : RadFad_40, Hillester_40
- Track 146 : Vopal_43
- Track 147 : Persistence_35
- Track 148 : Windest_40
- Track 149 : BlueShadow_40
- Track 150 : Globfish_39
- Track 151 : PFR2_28, PFR1_26
- Track 152 : Goib_39
- Track 153 : TZGordon_39, DinoDaryn_38, Huffy_38
- Track 154 : TinaLin_36
- Track 155 : Vendetta_37, Splinter_37
- Track 156 : Banquo_37
- Track 157 : Gspu1_28
- Track 158 : Schmidt_32
- Track 159 : Catfish_37
- Track 160 : Jablanski_39, WelcomeAyanna_38, Pytheas_39
- Track 161 : Cashline_38
- Track 162 : BeeGee_42
- Track 163 : Posh_42
- Track 164 : Wrigley_43
- Track 165 : LonelyBoi_38
- Track 166 : Bradissa_36, EnalisNailo_35, Lilas_38
- Track 167 : Floral_36, Pollux_38
- Track 168 : EMSquaredA_37, Marteena_36
- Track 169 : Confidence_37
- Track 170 : Angelique_39
- Track 171 : Bunnybear_33
- Track 172 : Lton_34
- Track 173 : Pepperoni_31
- Track 174 : ThankyouJordi_38
- Track 175 : Nymphadora_39, Hugley_36, Eviarto_39, TimTam_39
- Track 176 : Bosnia_39
- Track 177 : Maridalia_39
- Track 178 : Hyzer_43
- Track 179 : Herod_39, BatStarr_39
- Track 180 : Agueybana_38
- Track 181 : BoyNamedSue_39, AlumE_39
- Track 182 : Kita_40
- Track 183 : SoilAssassin_34, EdnaMode_33, Eudoria_39, Neobush_39, Suscept_39, Bialota_37, Zameen_39, Zirinka_36, Yeet412_34, Antonio_39,

Tayonia_39, Manasvini_39, LordFarquaad_35, Polly_36, Attis_34, Trumpet_39

- Track 184 : Clap_37, GemG_37, Mocha12_37, Ebert_39, Lamberg_33, Haley23_37
- Track 185 : Nettuno_33, Savage_37, Matteo_30, Sproutie_37, TuertoX_37, Whiteclaw_37
- Track 186 : Bjanest7_34
- Track 187 : Pickett_32
- Track 188 : Sahara_36
- Track 189 : Gizermo_37
- Track 190 : Cynthia_37
- Track 191 : Adora_37, Samman98_40, Dolores_40, Twinkle_39, WinkNick_41, Howe_40, Shlim410_38, Beenie_33, Hortense_40, Clark_39, Sekhmet_40, MichaelScott_40
- Track 192 : Oregano_39
- Track 193 : Annalisa_36
- Track 194 : Invectra_40
- Track 195 : Mcklovin_36, Thimann_36, DobbysSock_31
- Track 196 : Dorito_34
- Track 197 : Denise_35
- Track 198 : OneDirection_30
- Track 199 : Faith5x5_30
- Track 200 : Moosehead_35
- Track 201 : RavenCo17_41
- Track 202 : Lucky10_35
- Track 203 : PhorbesPhlower_33
- Track 204 : Morkie_33
- Track 205 : ODay_52
- Track 206 : Birdsong_47
- Track 207 : Ecliptus_49
- Track 208 : BotCity_51
- Track 209 : Budski_49
- Track 210 : Holliday_48
- Track 211 : CheeseTouch_54
- Track 212 : Periwinkle_57
- Track 213 : LitninMcQueen_43, Kamaru_44
- Track 214 : Leroy_50
- Track 215 : Phabuloso_48
- Track 216 : Asapag_47, Frickyeah_52
- Track 217 : Phistory_51
- Track 218 : Kenna_49, Getalong_53, Lutum_50
- Track 219 : BENtherdunthat_50
- Track 220 : ShawBrad_51
- Track 221 : Horus_48, Crater_49
- Track 222 : Apricot_48
- Track 223 : Octobien14_6
- Track 224 : Neville_8, Trax_8
- Track 225 : Rabbitrun_10
- Track 226 : MakCheese_48
- Track 227 : Blarby_54
- Track 228 : DLane_41
- Track 229 : Mattes_43, SwagPiggett_45, Saal_43, Gorge_43, DRBy19_43, BobaPhett_43, Zizzle_44, Philus_43, James_43, Whatsapiecost_41
- Track 230 : MilleniumForce_42
- Track 231 : Ms6_36

- Track 232 : WillSterrel_41, IrishSherpFalk_41
- Track 233 : Mutaforma13_45
- Track 234 : Cornucopia_45
- Track 235 : SuperGrey_42
- Track 236 : PhesterPhotato_44, Phalconet_41
- Track 237 : NewHope4_45, Polo2Bam_48
- Track 238 : Emma_44, Moonbeam_41
- Track 239 : Hegedechwinu_41, Juice456_44
- Track 240 : Velveteen_37, Kingsley_38, Sarma624_38, Cerasum_38, Brookers_40, Coco12_40, BigPhil_38
- Track 241 : Brushbloom_50
- Track 242 : LastJedi_34, Brocalys_36, Clifton_35, Pippy_38
- Track 243 : Alexphander_45
- Track 244 : Corium_41, Phanphagia_37, KingJulian_41
- Track 245 : Spartacus_41
- Track 246 : Hades_43
- Track 247 : Bipolar_39
- Track 248 : Estave1_43, Wee_46, DeadP_46, Renaud18_46, Taj_45
- Track 249 : Juniper1_40
- Track 250 : Violac_43
- Track 251 : Wachhund_44
- Track 252 : Mova_42
- Track 253 : Kenuha5_39
- Track 254 : Mozy_51, StAnnes_42
- Track 255 : KristaRAM_43
- Track 256 : Flathead_44
- Track 257 : Mandlovu_40, Strokeseat_41, Hlubikazi_41
- Track 258 : Enby_42, Lorde_42, SG4_40
- Track 259 : Ardmore_36
- Track 260 : CaptainTrips_41, MinionDave_43
- Track 261 : MilanaBonita_37, Akhila_37
- Track 262 : EleanorGeorge_40, Beakin_43, LunaBlu_46, Galactic_43
- Track 263 : XFactor_41
- Track 264 : Rialto_46
- Track 265 : ShroomBoi_42
- Track 266 : Fruitloop_40
- Track 267 : Rita_44
- Track 268 : SimranZ1_43
- Track 269 : Bobi_46
- Track 270 : Byougenkin_40
- Track 271 : Cheesepuff_48
- Track 272 : Shauna1_38
- Track 273 : DoRead_44
- Track 274 : Ovechkin_41
- Track 275 : Filuzino_41
- Track 276 : Donkeykong_41
- Track 277 : Batiatus_43
- Track 278 : IMpilo_40
- Track 279 : Melissauren88_42
- Track 280 : VRedHorse_42
- Track 281 : DosHalletts_40
- Track 282 : Guppsters_43
- Track 283 : Jant_44

- Track 284 : Minnie_43
- Track 285 : SilverChicken_53
- Track 286 : Soul22_46
- Track 287 : Squirty_35
- Track 288 : TChen_44, LunaStella_42
- Track 289 : Bridgette_38
- Track 290 : FosterFrank_40
- Track 291 : Constance_38
- Track 292 : ChuckDuck_39
- Track 293 : RootBeer_29
- Track 294 : Eileen_34
- Track 295 : GlobiWarming_38
- Track 296 : KayMoney_38
- Track 297 : Peas_35
- Track 298 : Judy_39
- Track 299 : Shoya_35
- Track 300 : Alatato_29
- Track 301 : Sarge_28
- Track 302 : BrayBeast_32
- Track 303 : Mufasa8_27
- Track 304 : Sonali_29
- Track 305 : Maruru_31
- Track 306 : Sunshine23_31
- Track 307 : BlackSpider_36
- Track 308 : Bauer_39
- Track 309 : Zucker_31
- Track 310 : Bobby_80, Marleymoo_72
- Track 311 : Gonephishing_76
- Track 312 : Nekros_81, Shaboozey_79, Courthouse_82, MiaZeal_87, Hannaconda_75, Omega_85, Ariel_86, Lucky2013_84, Porcelain_86, Squint_87
- Track 313 : LittleE_82
- Track 314 : Rearden_78, Superphikiman_84
- Track 315 : BarrelRoll_41, TruffulaTree_41, Adephegia_41, ActinUp_41, Slimphazie_41, Atiba_41, Tachez_41, Jayhawk_42, Padpat_42, HedwigODU_41, Rapunzel97_41, Veliki_41, Emerson_42
- Track 316 : Devera_45, Dole_44, Illumine_44, Stinson_42
- Track 317 : AlishaPH_41, Beezoo_43, Tiri_42, Pokerus_40, Geraldini_43, Apocalypse_44
- Track 318 : Binglebops_36, Nikao_39, LilPharaoh_36, Nutello_36, Enkosi_39, SgtBeansprout_36, Amelie_36
- Track 319 : Bella96_42
- Track 320 : Asayake_41, BEEST_41, Hyperbowlee_41, Durfee_41, Padfoot_41, Blizzard_41, CaseJules_42, ShiaSurprise_42, Boiiii_41, Piatt_41
- Track 321 : LeMond_45
- Track 322 : Dartin_43, McMater_43, Richo_43
- Track 323 : KiSi_45
- Track 324 : JAWS_41
- Track 325 : CrimD_41, Megsy_42
- Track 326 : Adonis_41, Anaya_43
- Track 327 : CREW_41, Topper_41, Dalmuri_41, Rosmarinus_41, Belladonna_41, Homura_41, Inky_41, Lunahalos_41, Jeckyll_41, Peel_41, Llorens_41, BGIluviae_41, Jarvi_41, Twitch_41
- Track 328 : LindNT_41, TreyKay_42, Prithvi_42

- Track 329 : Ageofdapage_43, LaterM_42, Murucutumbu_42
- Track 330 : Chris_43
- Track 331 : Nibb_43
- Track 332 : Oscar_45, Scarlett_45
- Track 333 : Guanica15_44, Yunkel11_44
- Track 334 : Spock_41
- Track 335 : Capricorn_41
- Track 336 : MeaningOfLife_42, Zavala_42, Mynx_42
- Track 337 : CheetoDust_40, BaghaKamala_40
- Track 338 : MarkPhew_44
- Track 339 : Sulley_41, Deby_41
- Track 340 : Chavito_44
- Track 341 : DrHayes_42, TiniBug_42, SamuelLPlaqson_42, Urkel_42
- Track 342 : Ramen_41
- Track 343 : Validus_45
- Track 344 : Joy99_41
- Track 345 : QuincyRose_40, Ganymede_42
- Track 346 : Efra2_44
- Track 347 : Niklas_43
- Track 348 : Clipper_45
- Track 349 : Angelica_41
- Track 350 : Shaobing_43
- Track 351 : YoureAdopted_40
- Track 352 : TaiwanKao_43
- Track 353 : Peanam_43
- Track 354 : Strobilo_43
- Track 355 : BoostSeason_44, Doughnut_44, Findley_43, Milly_43, ZoeJ_43
- Track 356 : DismalStressor_43, Marcoliusprime_43, DismalFunk_43
- Track 357 : Mufasa_44
- Track 358 : Marshawn_44
- Track 359 : TClif_45
- Track 360 : Tortellini_32
- Track 361 : Xavia_34
- Track 362 : Gaia_52, Nebkiss_56
- Track 363 : REQ3_01
- Track 364 : LilSpotty_38
- Track 365 : MooMoo_41
- Track 366 : Mbo4_31
- Track 367 : Chymera_32
- Track 368 : Spartoi_37
- Track 369 : Finkle_45
- Track 370 : GMA1_30
- Track 371 : ArV2_29
- Track 372 : DillyDally_29
- Track 373 : Footloose_31

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

The start number called the most often in the published annotations is 131, it was called in 287 of the 578 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• AbbyDaisy_36, ActinUp_41, AdaS_36, Adephagia_41, Adonis_41, Adora_37, Ageofdapage_43, Aikyam_37, Akhila_37, Alatato_29, Alexphander_45, AlishaPH_41, Amelie_36, Anaya_43, Anekin_37, Angelica_41, Annalisa_36, Apocalypse_44, Apricot_48, ArV2_29, Ardmore_36, Asapag_47, Asayake_41, Atiba_41, Auxilium_38, BEEST_41, BENTherdunthat_50, BGlluviae_41, BaghaKamala_40, BarrelRoll_41, Batiatus_43, Bauer_39, Beakin_43, BeeGee_42, Beenie_33, Beezoo_43, Bella96_42, Belladonna_41, BenchScraper_39, Bhageatrice_40, BigPhil_38, Binglebops_36, BillyTP_42, Bipolar_39, Birdsong_47, BlackSpider_36, Blarby_54, Blizzard_41, BlueShadow_40, BobaPhett_43, Bobi_46, Boiii_41, BoostSeason_44, BotCity_51, BrayBeast_32, Bridgette_38, Brocalys_36, Brookers_40, Brushbloom_50, Budski_49, Byougenkin_40, CREW_41, Capricorn_41, CaptainTrips_41, CaseJules_42, Cashline_38, Cerasum_38, Chavito_44, CheeseTouch_54, Cheesepuff_48, CheetoDust_40, Chris_43, ChuckDuck_39, Chymera_32, Clark_39, Clifton_35, Clipper_45, Coco12_40, Constance_38, CookieBear_41, Corium_41, Cornucopia_45, Crater_49, CrimD_41, DLane_41, DRBy19_43, Dalmuri_41, Dartin_43, DeadP_46, Deby_41, Denise_35, Devera_45, DismalFunk_43, DismalStressor_43, DoRead_44, DobbysSock_31, Dole_44, Dolores_40, Donkeykong_41, Dorito_34, DosHalletts_40, Doughnut_44, DrHayes_42, Durfee_41, EMSquaredA_37, Ecliptus_49, Efra2_44, Eileen_34, EleanorGeorge_40, Emerson_42, Emma_44, Enby_42, Enkosi_39, Estave1_43, EvePickles_38, Faja_39, Filuzino_41, Findley_43, Flathead_44, Floral_36, Footloose_31, FosterFrank_40, Frickyeah_52, Fruitloop_40, GMA1_30, Galactic_43, Ganymede_42, Geraldini_43, Getalong_53, Globfish_39, GlobiWarming_38, Gorge_43, Gorpy_41, Guanica15_44, Guppsters_43, Hades_43, HedwigODU_41, Hegedechwinu_41, Hillester_40, Hlubikazi_41, Holliday_48, Homura_41, Hortense_40, Horus_48, Howe_40, Hyperbowlee_41, IMpilo_40, Illumine_44, Inky_41, Invectra_40, IrishSherpFalk_41, Isolde_41, JAWS_41, James_43, Jarvi_41, Jayhawk_42, Jeckyll_41, JellyBread_36, Joy99_41, Judy_39, Juice456_44, Juniper1_40, Kamaru_44, KayMoney_38, Kenna_49, Kenuha5_39, KiSi_45, KingJulian_41, Kingsley_38, KristaRAM_43, LastJedi_34, LaterM_42, Lawnathon_40, LeMond_45, Leroy_50, LilPharaoh_36, LilSpotty_38, LindNT_41, LitninMcQueen_43, Llorens_41, Lorde_42, Lton_34, Lucky10_35, LunaBlu_46, LunaStella_42, Lunahalos_41, Lutum_50, MUWow_39, MakCheese_48, Malec_36, Mandlovu_40, Marcoliusprime_43, MarkPhew_44, Marshawn_44, Marteenaa_36, MaterMagnus_40, Mattes_43, Mbo4_31, McMater_43, Mcklovin_36, MeaningOfLife_42, Megsy_42, Melissauren88_42, MichaelScott_40, MidnightRain_42, MilanaBonita_37, MilleniumForce_42, Milly_43, MinionDave_43, Minnie_43, MooMoo_41, Moonbeam_41, Mova_42, Mozy_51, Ms6_36, Mufasa8_27, Mufasa_44, Murucutumbu_42, Mutaforma13_45, Mynx_42, NewHope4_45, Nibb_43, Nikao_39, Niklas_43, Nutello_36, ODay_52, Oregano_39, Oscar_45, Ovechkin_41, Padfoot_41, Padpat_42, Peanam_43, Peas_35, Peel_41, Periwinkle_57, Persistence_35, Phabuloso_48, Phalconet_41, Phanphagia_37, PhesterPotato_44, Philus_43, Phistory_51, Phrank15_39, Phrappuccino_38, Piatt_41, Pippy_38, Pokerus_40, Pollux_38, Polo2Bam_48, Prithvi_42, QuincyRose_40, REQ3_01, RadFad_40, Ramen_41, Raphaella_40, Rapunzel97_41, RavenCo17_41, Renaud18_46, Rialto_46, Richie_40, Richo_43, Rita_44, RootBeer_29, Rosmarinus_41, SG4_40, Saal_43, Sakai_40, Samman98_40, SamuelLPlaqson_42, Sarge_28, Sarma624_38, Sashimi_39, Scarlett_45, Seahorse_41, Sekhmet_40, Settecandela_38, SgtBeansprout_36, Shaobing_43, Shauna1_38, ShawBrad_51, ShiaSurprise_42, Shlim410_38, Shoya_35, ShroomBoi_42, Shukran_42, SilverChicken_53, SimranZ1_43, Slimphazie_41, Sonali_29, Soul22_46, Spartacus_41, SpicyFrank_39,

Spock_41, Squirty_35, StAnnes_42, Stinson_42, Strobilo_43, Strokeseat_41, Sulley_41, SuperGrey_42, SwagPiggett_45, TChen_44, TClif_45, Tachez_41, TaiwanKao_43, Taj_45, ThayneTheZag_40, Thimann_36, Tiff81_35, TiniBug_42, Tiri_42, Topper_41, Tortellini_32, TreyKay_42, TruffulaTree_41, Twinkle_39, Twitch_41, Urkel_42, VRedHorse_42, Validus_45, Veliki_41, Velveteen_37, Violac_43, Vopal_43, Wachhund_44, Wee_46, Whatsapiecost_41, WillSterrel_41, Windest_40, WinkNick_41, XFactor_41, Xavia_34, YoungHarleezy_40, YoureAdopted_40, Yunkel11_44, Zavala_42, Zizzle_44, ZoeJ_43, Zucker_31,

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

- Jant_44, Maruru_31, Raqqa_32, Spartoi_37, Sunshine23_31,

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

- ACFishhook_35, AN3_33, AN9_36, ANI8_36, AbbyPaige_35, Abdiel_32, Acolyte_34, Adzzy_35, Agape74_35, Aglet_36, Agueybana_38, AlumE_39, Angelique_39, Anselm_35, Antonio_39, Anubis_38, Ariel_86, Attis_34, AugsMagnumOpus_38, B1_31, BabyJohn_32, BabyRay_33, Bactobuster_35, Baehexic_34, BangNhom_33, Banquo_37, BatStarr_39, Beauxregard13_36, BellusTerra_33, Bialota_37, BiancaTri92_35, Bigflo_36, Bjanes7_34, BlueBird_34, Bobby_80, Bosnia_39, BoyNamedSue_39, Bradissa_36, Bradman_34, BreSam8_36, Bugatti_33, Buggy_36, Bunnybear_33, C3_31, Calvinny_36, Caraxes_33, Catfish_37, Centaur_35, Cerulean_34, ChampagnePapi_34, Che12_36, ChipMunk_36, Chiqui_32, Clap_37, Colbster_36, Colin_37, Commander_33, Confidence_37, Courthouse_82, Crucio_34, Cullens_36, Cynthia_37, D29_33, D32_37, DBQu4n_37, DaHudson_36, Dalmatian_35, Dieselweasel_36, Dignity_35, DillyDally_29, DinoDaryn_38, Drake55_36, DropBear_33, DudeLittle_33, Duplo_37, Eagle_32, Ebert_39, EdnaMode_33, EnalisNailo_35, EpicPhail_36, Equemioh13_35, Eudoria_39, Eurydice_33, Eviarto_39, EvilGenius_36, Faith5x5_30, Fameo_34, Farber_36, Farewell_44, Fernando_36, Finkle_45, FiringLine_34, Flare16_34, Fred313_33, Gaia_52, GaugeLDP_35, GemG_37, Gemma_35, Georgie2_35, GingkoMaracino_36, Giroux_33, Gizermo_37, Goib_39, Gonephishing_76, Gratitude_34, Grif_36, Groupthink_36, Grub_36, Grum1_36, Gsput1_28, GtownJaz_36, Haley23_37, Hannaconda_75, HarryHoudini_36, HaveUMetTed_36, Heathen_33, Heffalump_35, HelDan_33, Heliosoles_35, Hercules11_36, Herod_39, Huffy_38, Hugley_36, Hyzer_43, Idleandcovert_33, IronMan_36, Isca_33, Iwokeuplikedis_34, JF2_33, JF4_33, JHC117_36, Jaan_37, Jablanski_39, JenCasNa_36, JeppNRM_36, Jerm_35, Jobu08_35, JoshKayV_35, Journey13_31, Jsquared_34, Kachowdy_33, Kalb97_36, Kalnoky_36, Kalpine_35, Kamy_33, Kerberos_37, Kimona_30, KingCyrus_36, Kita_40, Koduck_33, L5_33, LBerry_36, LHTSCC_34, Lamberg_33, Landor_35, Larenn_35, LeoAvram_33, Leogania_35, Leviathan_35, LilTurb_34, Lilas_38, Lilith_36, LionsBait_35, LittleE_82, LonelyBoi_38, LordFarquaad_35, Lowa_36, Lucky2013_84, LugYA_38, MA5_33, MK4_33, MadMarie_36, Mainiac_36, MajorMajor_34, Malinsilva_38, Manasvini_39, Manu_36, MarQuardt_36, Marchesa_33, Maridalia_39, Marie_36, Marius_36, Marleymoo_72, Matteo_30, Maxo_33, Medusa_33, Melvin_33, MiaZeal_87, Microwolf_36, MiculUcigas_34, MissWhite_33, Mocha12_37, MoneyMay_36, Moosehead_35, Morkie_33, Morrow_33, MuchMore_38, NaSiaTalie_34, Naji_37, Nebkiss_56, Nebs_33, Nekros_81, Neobush_39, Nettuno_33, Neville_8, NicoleTera_37, NothingSpecial_35, Nymphadora_39, Obama12_34, Octobien14_6, Odin_33, Ohfah_33, OlanP_35, Ollie_36, Omega_85, OneDirection_30, P28Green_36, PFR1_26, PFR2_28, PGHhamlin_38, Pawn_35, Pembroke_36, Penny1_36, Pepperoni_31, Ph8s_35, Phaded_37, Phantastic_33, Pharaoh_32, Phelipe_33, PhishRPhriends_34, Phoebe_36, PhorbesPhlower_33, Phranny_36,

Pickett_32, Piro94_34, Pistachio_34, Polly_36, Polymorphads_33, Pomar16_37, Porcelain_86, Posh_42, PotatoSplit_37, Power_33, Pukovnik_35, Puppy_34, PurpleHaze_35, Pytheas_39, QueenB2_34, QueenBeesly_34, Quokka_33, Rabbitrun_10, Rearden_78, Reba_36, Retro23_35, Rockstar_33, Sabia_36, Sabinator_36, Sahara_36, SaturnRing_33, Savage_37, Schmidt_32, Scout_33, SemperFi_35, Serenity_34, Shaboozey_79, SheldonCooper_34, Sknot_35, Smeagan_36, SnapTap_34, Snickers_36, SoYo_36, SoilAssassin_34, SoilDragon_35, Sparky_45, Sparxx_33, Splinter_37, Sproutie_37, Squint_87, Stagni_36, StarStuff_37, StepMih_36, Superchunk_33, Superphikiman_84, Suscepit_39, SweetiePie_34, SwirlSquare_35, TNguyen7_33, TZGordon_39, TarsusIV_33, Taurus_36, Tayonia_39, Terrific_37, ThankyouJordi_38, Tiffany_36, TimTam_39, TinaFeyge_33, TinaLin_36, TipsytheTRex_33, Tomathan_37, Travvers_37, Trax_8, Tristan_35, Trixie_35, Trooper_35, TroyPia_33, Trumpet_39, TuertoX_37, Turbido_34, Updawg_35, VA6_33, VC3_36, Vendetta_37, Vix_36, Watson_36, WeiHuaDA_38, WelcomeAyanna_38, Whabigail7_34, Whiteclaw_37, WideWale_35, Wooldri_38, Wrigley_43, XianYue_35, Yecey3_35, Yeet412_34, Zameen_39, Zetzy_35, Zimmer_35, Zirinka_36,

Summary by start number:

Start 72:

- Found in 16 of 672 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 578
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Gizermo_37 (CZ2), Sahara_36 (CZ2),

Start 74:

- Found in 54 of 672 (8.0%) of genes in pham
- Manual Annotations of this start: 6 of 578
- Called 11.1% of time when present
- Phage (with cluster) where this start called: BatStarr_39 (CZ1), Bjanes7_34 (CZ2), Cynthia_37 (CZ2), Herod_39 (CZ1), Kita_40 (CZ1), ThankyouJordi_38 (CZ1),

Start 84:

- Found in 14 of 672 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 21.4% of time when present
- Phage (with cluster) where this start called: Gonephishing_76 (J), Rearden_78 (J), Superphikiman_84 (J),

Start 85:

- Found in 33 of 672 (4.9%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 3.0% of time when present
- Phage (with cluster) where this start called: GaugeLDP_35 (A2),

Start 89:

- Found in 1 of 672 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Faith5x5_30 (CZ6),

Start 93:

- Found in 18 of 672 (2.7%) of genes in pham
- Manual Annotations of this start: 10 of 578
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Ariel_86 (J), Courthouse_82 (J), Gaia_52 (X), Hannaconda_75 (J), Lucky2013_84 (J), MiaZeal_87 (J), Nebkiss_56 (X), Nekros_81 (J), Omega_85 (J), Porcelain_86 (J), Shaboozey_79 (J), Squint_87 (J),

Start 96:

- Found in 29 of 672 (4.3%) of genes in pham
- Manual Annotations of this start: 3 of 578
- Called 10.3% of time when present
- Phage (with cluster) where this start called: Abdiel_32 (A4), Phelipe_33 (A4), TinaFeyge_33 (A4),

Start 99:

- Found in 8 of 672 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 12.5% of time when present
- Phage (with cluster) where this start called: B1_31 (A3),

Start 104:

- Found in 15 of 672 (2.2%) of genes in pham
- Manual Annotations of this start: 7 of 578
- Called 46.7% of time when present
- Phage (with cluster) where this start called: AbbyPaige_35 (A2), Agape74_35 (A2), ChipMunk_36 (A2), Larenn_35 (A2), Leviathan_35 (A2), LilTurb_34 (A2), Whabigail7_34 (A2),

Start 112:

- Found in 3 of 672 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 578
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Phantastic_33 (A3), TNguyen7_33 (A3),

Start 115:

- Found in 28 of 672 (4.2%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Bobby_80 (J), Marleymoo_72 (J),

Start 116:

- Found in 18 of 672 (2.7%) of genes in pham
- Manual Annotations of this start: 7 of 578
- Called 38.9% of time when present
- Phage (with cluster) where this start called: Dignity_35 (A2), IronMan_36 (A2), Jerm_35 (A2), KingCyrus_36 (A2), Pharaoh_32 (A12), Turbido_34 (A2), Yecey3_35 (A9),

Start 117:

- Found in 2 of 672 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 50.0% of time when present

- Phage (with cluster) where this start called: Landor_35 (A2),

Start 118:

- Found in 8 of 672 (1.2%) of genes in pham
- Manual Annotations of this start: 3 of 578
- Called 75.0% of time when present
- Phage (with cluster) where this start called: BabyJohn_32 (A3), BabyRay_33 (A3), Chiqui_32 (A3), Jaan_37 (A2), Pukovnik_35 (A2), Tristan_35 (A2),

Start 124:

- Found in 175 of 672 (26.0%) of genes in pham
- Manual Annotations of this start: 117 of 578
- Called 73.1% of time when present
- Phage (with cluster) where this start called: ACFishhook_35 (A3), AN3_33 (A2), AN9_36 (A2), ANI8_36 (A2), Aglet_36 (A3), Anselm_35 (A2), Anubis_38 (A3), AugsMagnumOpus_38 (A3), Baehexic_34 (A2), BangNhom_33 (A4), Beauxregard13_36 (A3), BellusTerra_33 (A4), Bigflo_36 (A3), BlueBird_34 (A3), Bradman_34 (A2), BreSam8_36 (A3), Bugatti_33 (A3), Buggy_36 (A2), Centaur_35 (A2), Colbster_36 (A3), Commander_33 (A4), Cullens_36 (A3), D29_33 (A2), D32_37 (A2), DBQu4n_37 (A2), DaHudson_36 (A3), Dalmatian_35 (A2), Dieselweasel_36 (A3), DropBear_33 (A3), Duplo_37 (A2), Eagle_32 (A4), EpicPhail_36 (A3), Equemioh13_35 (A2), Eurydice_33 (A4), Fred313_33 (A3), Gemma_35 (A3), Grif_36 (A3), Groupthink_36 (A3), Grub_36 (A3), Grum1_36 (A3), GtownJaz_36 (A3), HaveUMetTed_36 (A3), Heathen_33 (A3), HelDan_33 (A3), Heliosoles_35 (A3), Hercules11_36 (A3), Idleandcovert_33 (A3), Isca_33 (A3), Iwokeuplikedis_34 (A2), JF2_33 (A3), JF4_33 (A3), JHC117_36 (A3), JeppNRM_36 (A3), Jobu08_35 (A3), Journey13_31 (A2), Jsquared_34 (A2), Kalb97_36 (A3), Kalnoky_36 (A3), Kimona_30 (A19), LBerry_36 (A3), Leogania_35 (A2), LionsBait_35 (A2), Lowa_36 (A3), LugYA_38 (A3), MA5_33 (A3), MK4_33 (A3), MadMarie_36 (A3), Mainiac_36 (A3), MajorMajor_34 (A2), Manu_36 (A3), MarQuardt_36 (A3), Marie_36 (A3), Marius_36 (A3), Maxo_33 (A4), Melvin_33 (A4), MiculUcigas_34 (A2), MissWhite_33 (A2), MoneyMay_36 (A3), Morrow_33 (A4), MuchMore_38 (A3), Naji_37 (A2), Nebs_33 (A4), NicoleTera_37 (A2), Ohfah_33 (A4), OlanP_35 (A3), P28Green_36 (A3), PGHhamlin_38 (A3), Pawn_35 (A3), Pembroke_36 (A3), Penny1_36 (A3), Phaded_37 (A2), PhishRPhriends_34 (A3), Phoebe_36 (A3), Phranny_36 (A3), Pistachio_34 (A3), Polymorphads_33 (A4), PotatoSplit_37 (A3), Puppy_34 (A3), PurpleHaze_35 (A3), QueenB2_34 (A2), Quokka_33 (A2), Reba_36 (A3), Retro23_35 (A2), Rockstar_33 (A3), Sabia_36 (A3), Sabinator_36 (A3), SaturnRing_33 (A3), Scout_33 (A3), Serenity_34 (A2), Smeagan_36 (A2), SoYo_36 (A3), SoilDragon_35 (A3), Sparxx_33 (A4), Stagni_36 (A3), StepMih_36 (A3), TarsusIV_33 (A2), Terrific_37 (A2), Tiffany_36 (A3), TipsytheTRex_33 (A2), TroyPia_33 (A4), Updawg_35 (A2), VA6_33 (A2), VC3_36 (A2), Vix_36 (A3), Watson_36 (A3), WeiHuaDA_38 (A2), WideWale_35 (A2), Wooldri_38 (A3),

Start 125:

- Found in 2 of 672 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Piro94_34 (A2), XianYue_35 (A2),

Start 127:

- Found in 12 of 672 (1.8%) of genes in pham
- Manual Annotations of this start: 10 of 578

- Called 91.7% of time when present
- Phage (with cluster) where this start called: BiancaTri92_35 (A2), Colin_37 (A2), DudeLittle_33 (A2), FiringLine_34 (A2), Georgie2_35 (A2), JoshKayV_35 (A2), Kalpine_35 (A2), Power_33 (A2), QueenBeesly_34 (A2), SemperFi_35 (A2), Zimmer_35 (A12),

Start 128:

- Found in 13 of 672 (1.9%) of genes in pham
- Manual Annotations of this start: 7 of 578
- Called 76.9% of time when present
- Phage (with cluster) where this start called: Adzzy_35 (A2), Caraxes_33 (A2), Che12_36 (A2), HarryHoudini_36 (A2), Koduck_33 (A2), L5_33 (A2), Moosehead_35 (CZ6), Odin_33 (A2), Superchunk_33 (A2), SwirlSquare_35 (A2),

Start 130:

- Found in 63 of 672 (9.4%) of genes in pham
- Manual Annotations of this start: 52 of 578
- Called 87.3% of time when present
- Phage (with cluster) where this start called: Agueybana_38 (CZ1), AlumE_39 (CZ1), Angelique_39 (CY1), Antonio_39 (CZ1), Attis_34 (CZ2), Bialota_37 (CZ1), Bosnia_39 (CZ1), BoyNamedSue_39 (CZ1), Bradissa_36 (CY1), Bunnybear_33 (CZ), Clap_37 (CZ2), Confidence_37 (CY1), Ebert_39 (CZ2), EdnaMode_33 (CZ2), EnalisNailo_35 (CY1), Eudoria_39 (CZ1), Eviarto_39 (CZ1), GemG_37 (CZ2), Haley23_37 (CZ2), Hugley_36 (CZ1), Hyzer_43 (CZ1), Jablanski_39 (CY), Lamberg_33 (CZ2), Lilas_38 (CY1), LonelyBoi_38 (CY), LordFarquaad_35 (CZ2), Manasvini_39 (CZ1), Maridalia_39 (CZ1), Matteo_30 (CZ2), Mocha12_37 (CZ2), Morkie_33 (DH), Neobush_39 (CZ1), Nettuno_33 (CZ2), Nymphadora_39 (CZ1), OneDirection_30 (CZ6), Pepperoni_31 (CZ), PhorbPhlower_33 (DH), Pickett_32 (CZ2), Polly_36 (CZ1), Posh_42 (CY), Pytheas_39 (CY), Savage_37 (CZ2), SoilAssassin_34 (CZ2), Sproutie_37 (CZ2), Suscepit_39 (CZ1), Tayonia_39 (CZ1), TimTam_39 (CZ1), Trumpet_39 (CZ1), TuertoX_37 (CZ2), WelcomeAyanna_38 (CZ1), Whiteclaw_37 (CZ2), Wrigley_43 (CY), Yeet412_34 (CZ2), Zameen_39 (CZ1), Zirinka_36 (CZ1),

Start 131:

- Found in 344 of 672 (51.2%) of genes in pham
- Manual Annotations of this start: 287 of 578
- Called 98.5% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_36 (AY), ActinUp_41 (K1), AdaS_36 (AY), Adephagia_41 (K1), Adonis_41 (K1), Adora_37 (CZ4), Ageofdapage_43 (K1), Aikyam_37 (AY), Akhila_37 (F1), Alatato_29 (FB), Alexphander_45 (F1), AlishaPH_41 (K1), Amelie_36 (K1), Anaya_43 (K1), Anekin_37 (AY), Angelica_41 (K1), Annalisa_36 (CZ4), Apocalypse_44 (K1), Apricot_48 (DN3), ArV2_29 (singleton), Ardmore_36 (F1), Asapag_47 (DN1), Asayake_41 (K1), Atiba_41 (K1), Auxilium_38 (AY), BEEST_41 (K1), BENtherdunthat_50 (DN1), BGIlluviae_41 (K1), BaghaKamala_40 (K1), BarrelRoll_41 (K1), Batiatus_43 (F1), Bauer_39 (FN), Beakin_43 (F1), BeeGee_42 (CY), Beenie_33 (CZ4), Beezoo_43 (K1), Bella96_42 (K1), Belladonna_41 (K1), BenchScraper_39 (AY), Bhageatrice_40 (AY), BigPhil_38 (F1), Binglebops_36 (K1), BillyTP_42 (AY), Bipolar_39 (F1), Birdsong_47 (DN), BlackSpider_36 (FN), Blarby_54 (F), Blizzard_41 (K1), BlueShadow_40 (AY), BobaPhett_43 (F1), Bobi_46 (F1), Boiiii_41 (K1), BoostSeason_44 (K2), BotCity_51 (DN), BrayBeast_32 (FB), Bridgette_38 (FA), Brocalys_36 (F1), Brookers_40 (F1), Brushbloom_50 (F1), Budski_49 (DN), Byougenkin_40 (F1), CREW_41 (K1), Capricorn_41 (K1), CaptainTrips_41 (F1),

CaseJules_42 (K1), Cashline_38 (CY), Cerasum_38 (F1), Chavito_44 (K1), CheeseTouch_54 (DN1), Cheesepuff_48 (F1), CheetoDust_40 (K1), Chris_43 (K1), ChuckDuck_39 (FA), Chymera_32 (singleton), Clark_39 (CZ4), Clifton_35 (F1), Clipper_45 (K1), Coco12_40 (F1), Constance_38 (FA), CookieBear_41 (AY), Corium_41 (F1), Cornucopia_45 (F1), Crater_49 (DN3), CrimD_41 (K1), DLane_41 (F1), DRBy19_43 (F1), Dalmuri_41 (K1), Dartin_43 (K1), DeadP_46 (F1), Deby_41 (K1), Denise_35 (CZ5), Devera_45 (K1), DismalFunk_43 (K2), DismalStressor_43 (K2), DoRead_44 (F1), DobbysSock_31 (CZ4), Dole_44 (K1), Dolores_40 (CZ4), Donkeykong_41 (F1), Dorito_34 (CZ4), DosHalletts_40 (F1), Doughnut_44 (K2), DrHayes_42 (K1), Durfee_41 (K1), EMsquaredA_37 (CY1), Ecliptus_49 (DN), Efra2_44 (K1), Eileen_34 (FA), EleanorGeorge_40 (F1), Emerson_42 (K1), Emma_44 (F1), Enby_42 (F1), Enkosi_39 (K1), Estave1_43 (F1), EvePickles_38 (AY), Faja_39 (AY), Filuzino_41 (F1), Findley_43 (K2), Flathead_44 (F1), Floral_36 (CY1), Footloose_31 (singleton), FosterFrank_40 (FA), Frickyeah_52 (DN1), Fruitloop_40 (F1), GMA1_30 (singleton), Galactic_43 (F1), Ganymede_42 (K1), Geraldini_43 (K1), Getalong_53 (DN1), Globfish_39 (AY), GlobiWarming_38 (FA), Gorge_43 (F1), Gorpy_41 (AY), Guanica15_44 (K1), Guppsters_43 (F1), Hades_43 (F1), HedwigODU_41 (K1), Hegedechwinu_41 (F1), Hillester_40 (AY), Hlubikazi_41 (F1), Holliday_48 (DN1), Homura_41 (K1), Hortense_40 (CZ4), Horus_48 (DN1), Howe_40 (CZ4), Hyperbowlee_41 (K1), IMpilo_40 (F1), Illumine_44 (K1), Inky_41 (K1), Invectra_40 (CZ4), IrishSherpFalk_41 (F1), Isolde_41 (AY), JAWS_41 (K1), James_43 (F1), Jarvi_41 (K1), Jayhawk_42 (K1), Jeckyll_41 (K1), JellyBread_36 (AY), Joy99_41 (K1), Judy_39 (FA), Juice456_44 (F1), Juniper1_40 (F1), Kamaru_44 (DN1), KayMoney_38 (FA), Kenna_49 (DN1), Kenuha5_39 (F1), KiSi_45 (K1), KingJulian_41 (F1), Kingsley_38 (F1), KristaRAM_43 (F1), LastJedi_34 (F1), LaterM_42 (K1), Lawnathon_40 (AY), LeMond_45 (K1), Leroy_50 (DN1), LilPharaoh_36 (K1), LilSpotty_38 (singleton), LindNT_41 (K1), LitninMcQueen_43 (DN1), Llorens_41 (K1), Lorde_42 (F1), Lton_34 (CZ), Lucky10_35 (DH), LunaBlu_46 (F1), LunaStella_42 (F4), Lunahalos_41 (K1), Lutum_50 (DN1), MUWow_39 (AY), MakCheese_48 (DW), Malec_36 (A2), Mandlovu_40 (F1), Marcoliusprime_43 (K2), MarkPhew_44 (K1), Marshawn_44 (K6), Marteena_36 (CY1), MaterMagnus_40 (AY), Mattes_43 (F1), Mbo4_31 (singleton), McMater_43 (K1), Mcklovin_36 (CZ4), MeaningOfLife_42 (K1), Megsy_42 (K1), Melissauren88_42 (F1), MichaelScott_40 (CZ4), MidnightRain_42 (AY), MilanaBonita_37 (F1), MilleniumForce_42 (F1), Milly_43 (K2), MinionDave_43 (F1), Minnie_43 (F1), MooMoo_41 (singleton), Moonbeam_41 (F1), Mova_42 (F1), Mozy_51 (F1), Ms6_36 (F1), Mufasa8_27 (FG), Mufasa_44 (K2), Murucutumbu_42 (K1), Mutaforma13_45 (F1), Mynx_42 (K1), NewHope4_45 (F1), Nibb_43 (K1), Nikao_39 (K1), Niklas_43 (K1), Nutello_36 (K1), ODay_52 (DN), Oregano_39 (CZ4), Oscar_45 (K1), Ovechkin_41 (F1), Padfoot_41 (K1), Padpat_42 (K1), Peanam_43 (K1), Peas_35 (FA), Peel_41 (K1), Periwinkle_57 (DN1), Persistence_35 (AY), Phabuloso_48 (DN1), Phalconet_41 (F1), Phanphagia_37 (F1), PhesterPhotato_44 (F1), Philus_43 (F1), Phistory_51 (DN1), Phrank15_39 (AY), Phrappuccino_38 (AA), Piatt_41 (K1), Pippy_38 (F1), Pokerus_40 (K1), Pollux_38 (CY1), Polo2Bam_48 (F1), Prithvi_42 (K1), QuincyRose_40 (K1), REQ3_01 (singleton), RadFad_40 (AY), Ramen_41 (K1), Raphaella_40 (AY), Rapunzel97_41 (K1), RavenCo17_41 (CZ8), Renaud18_46 (F4), Rialto_46 (F1), Richie_40 (AY), Richo_43 (K1), Rita_44 (F1), RootBeer_29 (FA), Rosmarinus_41 (K1), SG4_40 (F1), Saal_43 (F1), Sakai_40 (AY), Samman98_40 (CZ4), SamuelLPlaqson_42 (K1), Sarge_28 (FB), Sarma624_38 (F1), Sashimi_39 (AY), Scarlett_45 (K1), Seahorse_41 (AY), Sekhmet_40 (CZ4), Settecandela_38 (AA), SgtBeansprout_36 (K1), Shaobing_43 (K1), Shauna1_38 (F1), ShawBrad_51 (DN1), ShiaSurprise_42 (K1), Shlim410_38 (CZ4), Shoya_35 (FB), ShroomBoi_42 (F1), Shukran_42 (AY), SilverChicken_53 (F2), SimranZ1_43 (F1), Slimphazie_41 (K1),

Sonali_29 (FG), Soul22_46 (F2), Spartacus_41 (F1), SpicyFrank_39 (AY), Spock_41 (K1), Squirty_35 (F3), StAnnes_42 (F1), Stinson_42 (K1), Strobilo_43 (K2), Strokeseat_41 (F1), Sulley_41 (K1), SuperGrey_42 (F1), SwagPigglett_45 (F1), TChen_44 (F4), TClif_45 (K6), Tachez_41 (K1), TaiwanKao_43 (K1), Taj_45 (F1), ThayneTheZag_40 (AY), Thimann_36 (CZ4), Tiff81_35 (AY), TiniBug_42 (K1), Tiri_42 (K1), Topper_41 (K1), Tortellini_32 (P2), TreyKay_42 (K1), TruffulaTree_41 (K1), Twinkle_39 (CZ4), Twitch_41 (K1), Urkel_42 (K1), VRedHorse_42 (F1), Validus_45 (K1), Veliki_41 (K1), Velveteen_37 (F1), Violac_43 (F1), Vopal_43 (AY), Wachhund_44 (F1), Wee_46 (F1), Whatsapiecost_41 (F1), WillSterrel_41 (F1), Windest_40 (AY), WinkNick_41 (CZ4), XFactor_41 (F1), Xavia_34 (P3), YoungHarleezy_40 (AY), YoureAdopted_40 (K1), Yunkel11_44 (K1), Zavala_42 (K1), Zizzle_44 (F1), ZoeJ_43 (K2), Zucker_31 (FN),

Start 133:

- Found in 2 of 672 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_44 (AF), Sparky_45 (AF),

Start 135:

- Found in 56 of 672 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Sunshine23_31 (FG),

Start 139:

- Found in 18 of 672 (2.7%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 5.6% of time when present
- Phage (with cluster) where this start called: LittleE_82 (J),

Start 141:

- Found in 3 of 672 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PFR1_26 (BX), PFR2_28 (BX), Raqqa_32 (AY),

Start 144:

- Found in 62 of 672 (9.2%) of genes in pham
- Manual Annotations of this start: 10 of 578
- Called 17.7% of time when present
- Phage (with cluster) where this start called: Farber_36 (A3), Fernando_36 (A3), GingkoMaracino_36 (A3), JenCasNa_36 (A3), Lilith_36 (A3), Malinsilva_38 (A3), Microwolf_36 (A3), Ollie_36 (A3), Snickers_36 (A3), Taurus_36 (A3), Zetzy_35 (A3),

Start 147:

- Found in 1 of 672 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DillyDally_29 (singleton),

Start 149:

- Found in 12 of 672 (1.8%) of genes in pham
- Manual Annotations of this start: 12 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_37 (CU1), Catfish_37 (CU5), DinoDaryn_38 (CU1), Goib_39 (CU1), Huffy_38 (CU1), Neville_8 (DU2), Rabbitrun_10 (DU2), Splinter_37 (CU1), TZGordon_39 (CU1), TinaLin_36 (CU1), Trax_8 (DU2), Vendetta_37 (CU1),

Start 150:

- Found in 283 of 672 (42.1%) of genes in pham
- Manual Annotations of this start: 14 of 578
- Called 6.4% of time when present
- Phage (with cluster) where this start called: Acolyte_34 (A2), C3_31 (A2), Calvinny_36 (A3), Crucio_34 (A2), Drake55_36 (A2), Fameo_34 (A2), Flare16_34 (A2), Gratitude_34 (A2), Kerberos_37 (A2), Pomar16_37 (A2), Sknot_35 (A2), SnapTap_34 (A2), StarStuff_37 (A2), SweetiePie_34 (A2), Tomathan_37 (A2), Travvers_37 (A2), Trixie_35 (A2), Trooper_35 (A2),

Start 154:

- Found in 3 of 672 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_45 (singleton), Gspu1_28 (CU2), Schmidt_32 (CU4),

Start 156:

- Found in 42 of 672 (6.2%) of genes in pham
- Manual Annotations of this start: 8 of 578
- Called 19.0% of time when present
- Phage (with cluster) where this start called: Cerulean_34 (A4), ChampagnePapi_34 (A4), Kampy_33 (A4), LHTSCC_34 (A4), LeoAvram_33 (A4), NothingSpecial_35 (A2), Obama12_34 (A4), SheldonCooper_34 (A4),

Start 159:

- Found in 67 of 672 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Giroux_33 (A3), Kachowdy_33 (A3), Marchesa_33 (A3),

Start 162:

- Found in 1 of 672 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Octobien14_6 (DU1),

Start 170:

- Found in 305 of 672 (45.4%) of genes in pham
- Manual Annotations of this start: 6 of 578
- Called 2.0% of time when present
- Phage (with cluster) where this start called: Bactobuster_35 (A2), EvilGenius_36 (A2), Heffalump_35 (A2), Medusa_33 (A4), NaSiaTalie_34 (A2), Ph8s_35 (A2),

Start 175:

- Found in 7 of 672 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 578
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Spartoi_37 (singleton),

Start 199:

- Found in 8 of 672 (1.2%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Maruru_31 (FG),

Start 208:

- Found in 20 of 672 (3.0%) of genes in pham
- No Manual Annotations of this start.
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Jant_44 (F1),

Summary by clusters:

There are 47 clusters represented in this pham: DN, P2, singleton, DH, CZ2, CZ1, CZ6, CZ8, CZ4, CZ5, K2, K1, K6, FG, DW, BX, FN, CU5, CU4, CU2, CU1, A12, F, A19, A3, A2, DN1, A4, DN3, A9, DU1, DU2, AA, P3, CY1, AF, J, CZ, CY, AY, X, F1, F2, F3, F4, FA, FB,

Info for manual annotations of cluster A12:

- Start number 116 was manually annotated 1 time for cluster A12.
- Start number 127 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A19:

- Start number 124 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 85 was manually annotated 1 time for cluster A2.
- Start number 104 was manually annotated 7 times for cluster A2.
- Start number 116 was manually annotated 5 times for cluster A2.
- Start number 117 was manually annotated 1 time for cluster A2.
- Start number 118 was manually annotated 2 times for cluster A2.
- Start number 124 was manually annotated 32 times for cluster A2.
- Start number 125 was manually annotated 2 times for cluster A2.
- Start number 127 was manually annotated 9 times for cluster A2.
- Start number 128 was manually annotated 6 times for cluster A2.
- Start number 131 was manually annotated 1 time for cluster A2.
- Start number 150 was manually annotated 14 times for cluster A2.
- Start number 156 was manually annotated 1 time for cluster A2.
- Start number 170 was manually annotated 5 times for cluster A2.

Info for manual annotations of cluster A3:

- Start number 99 was manually annotated 1 time for cluster A3.
- Start number 112 was manually annotated 2 times for cluster A3.
- Start number 118 was manually annotated 1 time for cluster A3.
- Start number 124 was manually annotated 71 times for cluster A3.
- Start number 144 was manually annotated 10 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 96 was manually annotated 3 times for cluster A4.
- Start number 124 was manually annotated 13 times for cluster A4.
- Start number 156 was manually annotated 7 times for cluster A4.
- Start number 170 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A9:

- Start number 116 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AA:

- Start number 131 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AF:

- Start number 133 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AY:

- Start number 131 was manually annotated 18 times for cluster AY.

Info for manual annotations of cluster CU1:

- Start number 149 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU4:

- Start number 154 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 149 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CY:

- Start number 130 was manually annotated 5 times for cluster CY.
- Start number 131 was manually annotated 2 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 130 was manually annotated 5 times for cluster CY1.
- Start number 131 was manually annotated 4 times for cluster CY1.

Info for manual annotations of cluster CZ:

- Start number 130 was manually annotated 1 time for cluster CZ.
- Start number 131 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 74 was manually annotated 4 times for cluster CZ1.
- Start number 130 was manually annotated 20 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 72 was manually annotated 2 times for cluster CZ2.
- Start number 74 was manually annotated 2 times for cluster CZ2.
- Start number 130 was manually annotated 18 times for cluster CZ2.

Info for manual annotations of cluster CZ4:

- Start number 131 was manually annotated 18 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 131 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 89 was manually annotated 1 time for cluster CZ6.
- Start number 128 was manually annotated 1 time for cluster CZ6.
- Start number 130 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ8:

- Start number 131 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DH:

- Start number 130 was manually annotated 2 times for cluster DH.
- Start number 131 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:

- Start number 131 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 131 was manually annotated 14 times for cluster DN1.

Info for manual annotations of cluster DN3:

- Start number 131 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DU1:

- Start number 162 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 149 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster F1:

- Start number 131 was manually annotated 82 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 131 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster F3:

- Start number 131 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 131 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster FA:

- Start number 131 was manually annotated 8 times for cluster FA.

Info for manual annotations of cluster FB:

- Start number 131 was manually annotated 3 times for cluster FB.

Info for manual annotations of cluster FG:

- Start number 131 was manually annotated 2 times for cluster FG.

Info for manual annotations of cluster FN:

- Start number 131 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster J:

- Start number 84 was manually annotated 1 time for cluster J.
- Start number 93 was manually annotated 8 times for cluster J.
- Start number 115 was manually annotated 1 time for cluster J.
- Start number 139 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 131 was manually annotated 99 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 131 was manually annotated 9 times for cluster K2.

Info for manual annotations of cluster K6:

- Start number 131 was manually annotated 2 times for cluster K6.

Info for manual annotations of cluster P2:

- Start number 131 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 131 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster X:

- Start number 93 was manually annotated 2 times for cluster X.

Gene Information:

Gene: ACFishhook_35 Start: 26718, Stop: 25579, Start Num: 124

Candidate Starts for ACFishhook_35:

(Start: 85 @26781 has 1 MA's), (Start: 124 @26718 has 117 MA's), (Start: 150 @26664 has 14 MA's), (Start: 170 @26595 has 6 MA's), (240, 26376), (243, 26367), (252, 26331), (285, 26274), (307, 26196), (315, 26172), (318, 26163), (348, 26061), (359, 26043), (367, 26031), (390, 25956), (392, 25950), (399, 25929), (406, 25914), (412, 25896), (422, 25872), (486, 25713), (487, 25710), (493, 25680), (494, 25674), (496, 25662), (508, 25623),

Gene: AN3_33 Start: 26414, Stop: 25290, Start Num: 124

Candidate Starts for AN3_33:

(90, 26468), (Start: 124 @26414 has 117 MA's), (Start: 150 @26360 has 14 MA's), (Start: 170 @26291 has 6 MA's), (236, 26090), (243, 26063), (252, 26027), (284, 25973), (285, 25970), (292, 25943), (307, 25892), (318, 25859), (320, 25847), (325, 25829), (348, 25757), (359, 25739), (367, 25727), (382, 25688), (390, 25652), (392, 25646), (399, 25625), (406, 25610), (412, 25592), (423, 25565), (475, 25454), (487, 25406), (488, 25403), (493, 25376), (494, 25370), (496, 25358), (508, 25319),

Gene: AN9_36 Start: 26399, Stop: 25275, Start Num: 124

Candidate Starts for AN9_36:

(90, 26453), (Start: 124 @26399 has 117 MA's), (Start: 150 @26345 has 14 MA's), (Start: 170 @26276 has 6 MA's), (236, 26075), (243, 26048), (252, 26012), (284, 25958), (285, 25955), (292, 25928), (307, 25877), (318, 25844), (320, 25832), (325, 25814), (348, 25742), (359, 25724), (367, 25712), (382,

25673), (390, 25637), (392, 25631), (399, 25610), (406, 25595), (412, 25577), (423, 25550), (475, 25439), (487, 25391), (488, 25388), (493, 25361), (494, 25355), (496, 25343), (508, 25304),

Gene: ANI8_36 Start: 26399, Stop: 25275, Start Num: 124

Candidate Starts for ANI8_36:

(90, 26453), (Start: 124 @26399 has 117 MA's), (Start: 150 @26345 has 14 MA's), (Start: 170 @26276 has 6 MA's), (236, 26075), (243, 26048), (252, 26012), (284, 25958), (285, 25955), (292, 25928), (307, 25877), (318, 25844), (320, 25832), (325, 25814), (348, 25742), (359, 25724), (367, 25712), (382, 25673), (390, 25637), (392, 25631), (399, 25610), (406, 25595), (412, 25577), (423, 25550), (475, 25439), (487, 25391), (488, 25388), (493, 25361), (494, 25355), (496, 25343), (508, 25304),

Gene: AbbyDaisy_36 Start: 27417, Stop: 26233, Start Num: 131

Candidate Starts for AbbyDaisy_36:

(33, 27699), (35, 27690), (39, 27654), (56, 27579), (73, 27522), (86, 27483), (Start: 131 @27417 has 287 MA's), (Start: 150 @27366 has 14 MA's), (215, 27198), (220, 27180), (259, 27048), (285, 26970), (290, 26952), (298, 26919), (307, 26883), (310, 26874), (329, 26814), (351, 26739), (397, 26619), (444, 26505), (473, 26448), (478, 26427), (480, 26424), (482, 26409), (512, 26289),

Gene: AbbyPaige_35 Start: 26720, Stop: 25575, Start Num: 104

Candidate Starts for AbbyPaige_35:

(Start: 104 @26720 has 7 MA's), (Start: 116 @26702 has 7 MA's), (Start: 156 @26618 has 8 MA's), (Start: 170 @26570 has 6 MA's), (186, 26525), (243, 26342), (252, 26306), (285, 26249), (289, 26237), (318, 26138), (320, 26126), (325, 26108), (359, 26018), (367, 26006), (390, 25931), (392, 25925), (399, 25904), (406, 25889), (412, 25871), (423, 25844), (475, 25733), (487, 25685), (488, 25682), (493, 25655), (494, 25649), (496, 25637), (508, 25598),

Gene: Abdiel_32 Start: 26295, Stop: 25129, Start Num: 96

Candidate Starts for Abdiel_32:

(Start: 96 @26295 has 3 MA's), (Start: 115 @26268 has 1 MA's), (Start: 124 @26250 has 117 MA's), (Start: 156 @26181 has 8 MA's), (Start: 170 @26127 has 6 MA's), (240, 25908), (243, 25899), (252, 25863), (281, 25821), (284, 25809), (285, 25806), (307, 25728), (348, 25593), (359, 25575), (390, 25488), (392, 25482), (399, 25461), (406, 25446), (412, 25428), (475, 25290), (487, 25242), (493, 25212), (494, 25206), (496, 25194), (508, 25155),

Gene: Acolyte_34 Start: 27024, Stop: 25957, Start Num: 150

Candidate Starts for Acolyte_34:

(Start: 124 @27078 has 117 MA's), (Start: 150 @27024 has 14 MA's), (Start: 170 @26955 has 6 MA's), (243, 26727), (252, 26691), (285, 26634), (292, 26607), (307, 26556), (325, 26493), (359, 26403), (367, 26391), (375, 26370), (390, 26316), (392, 26310), (399, 26289), (406, 26274), (423, 26229), (475, 26118), (487, 26070), (493, 26040), (494, 26034), (496, 26022), (508, 25983),

Gene: ActinUp_41 Start: 32479, Stop: 33567, Start Num: 131

Candidate Starts for ActinUp_41:

(Start: 131 @32479 has 287 MA's), (Start: 150 @32530 has 14 MA's), (Start: 170 @32581 has 6 MA's), (181, 32605), (193, 32641), (236, 32779), (250, 32833), (289, 32917), (307, 32986), (308, 32989), (359, 33139), (389, 33217), (396, 33244), (438, 33331), (471, 33379),

Gene: AdaS_36 Start: 25676, Stop: 24537, Start Num: 131

Candidate Starts for AdaS_36:

(Start: 131 @25676 has 287 MA's), (Start: 150 @25625 has 14 MA's), (215, 25457), (220, 25439), (259, 25307), (285, 25229), (289, 25217), (307, 25142), (310, 25133), (329, 25073), (360, 24983), (397, 24878), (405, 24857), (416, 24830), (473, 24707), (480, 24683), (482, 24668), (498, 24593), (508, 24563),

Gene: Adephagia_41 Start: 32476, Stop: 33564, Start Num: 131

Candidate Starts for Adephagia_41:

(Start: 131 @32476 has 287 MA's), (Start: 150 @32527 has 14 MA's), (Start: 170 @32578 has 6 MA's), (181, 32602), (193, 32638), (236, 32776), (250, 32830), (289, 32914), (307, 32983), (308, 32986), (359, 33136), (389, 33214), (396, 33241), (438, 33328), (471, 33376),

Gene: Adonis_41 Start: 32777, Stop: 33865, Start Num: 131

Candidate Starts for Adonis_41:

(Start: 131 @32777 has 287 MA's), (Start: 170 @32879 has 6 MA's), (181, 32903), (193, 32939), (229, 33053), (250, 33131), (289, 33215), (307, 33284), (308, 33287), (359, 33437), (396, 33542), (438, 33629), (471, 33677),

Gene: Adora_37 Start: 31194, Stop: 32321, Start Num: 131

Candidate Starts for Adora_37:

(107, 31155), (Start: 131 @31194 has 287 MA's), (Start: 150 @31248 has 14 MA's), (191, 31371), (204, 31404), (230, 31494), (238, 31527), (307, 31722), (308, 31725), (320, 31767), (333, 31803), (449, 32100), (480, 32178), (485, 32205), (490, 32220), (494, 32247), (511, 32310),

Gene: Adzzy_35 Start: 25141, Stop: 24026, Start Num: 128

Candidate Starts for Adzzy_35:

(Start: 128 @25141 has 7 MA's), (Start: 170 @25024 has 6 MA's), (186, 24979), (243, 24796), (252, 24760), (281, 24718), (284, 24706), (285, 24703), (291, 24679), (348, 24490), (359, 24472), (367, 24460), (375, 24439), (390, 24385), (399, 24358), (406, 24343), (412, 24325), (423, 24298), (487, 24139), (493, 24109), (494, 24103), (496, 24091), (508, 24052), (510, 24043),

Gene: Agape74_35 Start: 26696, Stop: 25551, Start Num: 104

Candidate Starts for Agape74_35:

(Start: 104 @26696 has 7 MA's), (Start: 116 @26678 has 7 MA's), (Start: 156 @26594 has 8 MA's), (Start: 170 @26546 has 6 MA's), (186, 26501), (243, 26318), (252, 26282), (285, 26225), (289, 26213), (318, 26114), (320, 26102), (325, 26084), (359, 25994), (367, 25982), (390, 25907), (392, 25901), (399, 25880), (406, 25865), (412, 25847), (423, 25820), (475, 25709), (487, 25661), (488, 25658), (493, 25631), (494, 25625), (496, 25613), (508, 25574),

Gene: Ageofdapage_43 Start: 33453, Stop: 34541, Start Num: 131

Candidate Starts for Ageofdapage_43:

(Start: 131 @33453 has 287 MA's), (Start: 170 @33555 has 6 MA's), (181, 33579), (193, 33615), (215, 33666), (229, 33729), (236, 33753), (250, 33807), (251, 33810), (289, 33891), (307, 33960), (308, 33963), (318, 33993), (359, 34113), (389, 34191), (396, 34218), (471, 34353),

Gene: Aglet_36 Start: 26791, Stop: 25646, Start Num: 124

Candidate Starts for Aglet_36:

(Start: 124 @26791 has 117 MA's), (Start: 144 @26752 has 10 MA's), (Start: 170 @26668 has 6 MA's), (186, 26623), (236, 26467), (243, 26440), (252, 26404), (285, 26347), (307, 26269), (315, 26245), (325, 26206), (348, 26134), (354, 26122), (359, 26116), (367, 26104), (390, 26029), (392, 26023), (399, 26002), (406, 25987), (412, 25969), (422, 25945), (475, 25831), (486, 25786), (487, 25783), (490, 25774), (493, 25753), (494, 25747), (496, 25735), (508, 25696),

Gene: Agueybana_38 Start: 30381, Stop: 31463, Start Num: 130

Candidate Starts for Agueybana_38:

(Start: 74 @30270 has 6 MA's), (Start: 130 @30381 has 52 MA's), (Start: 150 @30435 has 14 MA's), (197, 30555), (284, 30810), (292, 30840), (308, 30900), (329, 30966), (336, 30990), (480, 31320), (511, 31452),

Gene: Aikyam_37 Start: 25607, Stop: 24468, Start Num: 131

Candidate Starts for Aikyam_37:

(Start: 131 @25607 has 287 MA's), (Start: 150 @25556 has 14 MA's), (215, 25388), (220, 25370), (259, 25238), (285, 25160), (289, 25148), (290, 25142), (307, 25073), (310, 25064), (329, 25004), (360, 24914), (397, 24809), (405, 24788), (416, 24761), (473, 24638), (480, 24614), (482, 24599), (498, 24524), (508, 24494),

Gene: Akhila_37 Start: 29110, Stop: 30237, Start Num: 131

Candidate Starts for Akhila_37:

(75, 29008), (103, 29065), (Start: 131 @29110 has 287 MA's), (135, 29119), (193, 29281), (208, 29332), (215, 29350), (224, 29395), (250, 29491), (252, 29500), (292, 29605), (309, 29674), (320, 29713), (327, 29734), (332, 29746), (333, 29749), (336, 29761), (346, 29800), (349, 29806), (363, 29827), (381, 29863), (382, 29866), (390, 29902), (392, 29908), (396, 29920), (397, 29923), (404, 29938), (438, 30007), (447, 30022), (463, 30040), (473, 30064), (483, 30109), (486, 30118), (490, 30130), (494, 30157), (497, 30175), (503, 30196), (509, 30211), (511, 30220), (512, 30223),

Gene: Alatato_29 Start: 23820, Stop: 22690, Start Num: 131

Candidate Starts for Alatato_29:

(38, 24084), (Start: 131 @23820 has 287 MA's), (Start: 150 @23769 has 14 MA's), (151, 23766), (215, 23604), (229, 23541), (240, 23496), (245, 23475), (291, 23337), (292, 23334), (298, 23310), (304, 23295), (316, 23250), (372, 23091), (390, 23037), (405, 22995), (416, 22968), (438, 22914), (446, 22899), (452, 22890), (482, 22806), (483, 22800), (486, 22791), (495, 22746),

Gene: Alexphander_45 Start: 32418, Stop: 33536, Start Num: 131

Candidate Starts for Alexphander_45:

(Start: 131 @32418 has 287 MA's), (182, 32556), (193, 32589), (209, 32637), (250, 32790), (252, 32799), (285, 32880), (309, 32973), (320, 33012), (327, 33033), (332, 33045), (333, 33048), (336, 33060), (346, 33099), (349, 33105), (363, 33126), (381, 33162), (382, 33165), (390, 33201), (392, 33207), (397, 33222), (404, 33237), (438, 33306), (447, 33321), (463, 33339), (483, 33408), (486, 33417), (494, 33456), (497, 33474), (503, 33495), (509, 33510), (511, 33519), (512, 33522),

Gene: AlishaPH_41 Start: 32751, Stop: 33839, Start Num: 131

Candidate Starts for AlishaPH_41:

(Start: 131 @32751 has 287 MA's), (Start: 170 @32853 has 6 MA's), (181, 32877), (193, 32913), (236, 33051), (250, 33105), (289, 33189), (307, 33258), (308, 33261), (359, 33411), (396, 33516), (438, 33603), (471, 33651), (504, 33795),

Gene: AlumE_39 Start: 31289, Stop: 32371, Start Num: 130

Candidate Starts for AlumE_39:

(Start: 74 @31178 has 6 MA's), (Start: 130 @31289 has 52 MA's), (Start: 150 @31343 has 14 MA's), (197, 31463), (292, 31748), (308, 31808), (329, 31874), (336, 31898), (480, 32228), (495, 32303), (511, 32360),

Gene: Amelie_36 Start: 31976, Stop: 33070, Start Num: 131

Candidate Starts for Amelie_36:

(25, 31625), (27, 31640), (39, 31733), (44, 31754), (70, 31847), (Start: 131 @31976 has 287 MA's), (Start: 150 @32027 has 14 MA's), (181, 32102), (193, 32138), (224, 32234), (229, 32252), (236, 32276), (248, 32324), (250, 32330), (300, 32462), (307, 32495), (320, 32540), (359, 32648), (396, 32753), (427, 32813), (471, 32888), (495, 32996), (504, 33032),

Gene: Anaya_43 Start: 33089, Stop: 34177, Start Num: 131

Candidate Starts for Anaya_43:

(Start: 131 @33089 has 287 MA's), (Start: 170 @33191 has 6 MA's), (181, 33215), (193, 33251), (229, 33365), (250, 33443), (289, 33527), (307, 33596), (308, 33599), (359, 33749), (396, 33854), (438, 33941), (471, 33989),

Gene: Anekin_37 Start: 26993, Stop: 25815, Start Num: 131

Candidate Starts for Anekin_37:

(119, 27011), (Start: 131 @26993 has 287 MA's), (Start: 150 @26942 has 14 MA's), (174, 26876), (220, 26756), (243, 26660), (259, 26624), (285, 26546), (307, 26459), (310, 26450), (329, 26390), (342, 26342), (360, 26300), (399, 26189), (416, 26147), (473, 26030), (478, 26009), (480, 26006), (482, 25991), (512, 25871),

Gene: Angelica_41 Start: 32708, Stop: 33796, Start Num: 131

Candidate Starts for Angelica_41:

(Start: 131 @32708 has 287 MA's), (Start: 170 @32810 has 6 MA's), (174, 32819), (181, 32834), (193, 32870), (250, 33062), (289, 33146), (307, 33215), (308, 33218), (359, 33368), (396, 33473), (438, 33560), (471, 33608), (504, 33752),

Gene: Angelique_39 Start: 30954, Stop: 32036, Start Num: 130

Candidate Starts for Angelique_39:

(Start: 74 @30843 has 6 MA's), (Start: 130 @30954 has 52 MA's), (Start: 150 @31008 has 14 MA's), (197, 31128), (284, 31383), (292, 31413), (308, 31473), (329, 31539), (336, 31563), (381, 31668), (480, 31893), (485, 31920), (495, 31968), (511, 32025),

Gene: Annalisa_36 Start: 28551, Stop: 29678, Start Num: 131

Candidate Starts for Annalisa_36:

(46, 28332), (52, 28368), (Start: 131 @28551 has 287 MA's), (Start: 150 @28605 has 14 MA's), (191, 28728), (204, 28761), (230, 28851), (238, 28884), (307, 29079), (308, 29082), (320, 29124), (333, 29160), (449, 29457), (490, 29577), (494, 29604), (511, 29667),

Gene: Anselm_35 Start: 26782, Stop: 25661, Start Num: 124

Candidate Starts for Anselm_35:

(Start: 85 @26845 has 1 MA's), (Start: 124 @26782 has 117 MA's), (Start: 150 @26728 has 14 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (252, 26395), (289, 26326), (303, 26284), (307, 26260), (325, 26197), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (423, 25933), (475, 25822), (486, 25777), (487, 25774), (488, 25771), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Antonio_39 Start: 30563, Stop: 31645, Start Num: 130

Candidate Starts for Antonio_39:

(Start: 74 @30452 has 6 MA's), (Start: 130 @30563 has 52 MA's), (Start: 150 @30617 has 14 MA's), (197, 30737), (284, 30992), (292, 31022), (308, 31082), (329, 31148), (336, 31172), (480, 31502), (485, 31529), (511, 31634),

Gene: Anubis_38 Start: 26676, Stop: 25531, Start Num: 124

Candidate Starts for Anubis_38:

(Start: 124 @26676 has 117 MA's), (Start: 144 @26637 has 10 MA's), (159, 26589), (Start: 170 @26553 has 6 MA's), (186, 26508), (236, 26352), (243, 26325), (252, 26289), (285, 26232), (307, 26154), (315, 26130), (325, 26091), (348, 26019), (354, 26007), (359, 26001), (367, 25989), (390, 25914), (392, 25908), (399, 25887), (406, 25872), (412, 25854), (422, 25830), (475, 25716), (486, 25671), (487, 25668), (490, 25659), (493, 25638), (494, 25632), (496, 25620), (508, 25581),

Gene: Apocalypse_44 Start: 33493, Stop: 34581, Start Num: 131

Candidate Starts for Apocalypse_44:

(Start: 131 @33493 has 287 MA's), (Start: 170 @33595 has 6 MA's), (181, 33619), (193, 33655), (236, 33793), (250, 33847), (289, 33931), (307, 34000), (308, 34003), (359, 34153), (396, 34258), (438, 34345), (471, 34393), (504, 34537),

Gene: Apricot_48 Start: 31405, Stop: 32475, Start Num: 131

Candidate Starts for Apricot_48:

(105, 31360), (Start: 131 @31405 has 287 MA's), (Start: 150 @31456 has 14 MA's), (169, 31504), (182, 31534), (191, 31561), (222, 31648), (238, 31714), (240, 31720), (250, 31756), (252, 31765), (282, 31816), (289, 31840), (293, 31858), (310, 31921), (320, 31957), (332, 31990), (333, 31993), (336, 32005), (342, 32029), (402, 32173), (413, 32200), (447, 32272), (480, 32332), (485, 32359), (491, 32389), (495, 32407), (511, 32464),

Gene: ArV2_29 Start: 22829, Stop: 21699, Start Num: 131

Candidate Starts for ArV2_29:

(Start: 131 @22829 has 287 MA's), (Start: 150 @22778 has 14 MA's), (209, 22625), (229, 22550), (246, 22481), (254, 22454), (292, 22343), (298, 22319), (316, 22259), (317, 22256), (320, 22241), (390, 22046), (402, 22016), (407, 21998), (409, 21995), (416, 21977), (438, 21923), (446, 21908), (461, 21881), (483, 21809), (486, 21800), (490, 21788),

Gene: Ardmore_36 Start: 30890, Stop: 32008, Start Num: 131

Candidate Starts for Ardmore_36:

(Start: 131 @30890 has 287 MA's), (135, 30899), (193, 31061), (240, 31226), (250, 31262), (252, 31271), (309, 31445), (325, 31502), (327, 31505), (332, 31517), (333, 31520), (336, 31532), (346, 31571), (363, 31598), (381, 31634), (382, 31637), (390, 31673), (392, 31679), (396, 31691), (397, 31694), (438, 31778), (447, 31793), (463, 31811), (483, 31880), (486, 31889), (494, 31928), (497, 31946), (503, 31967), (509, 31982), (511, 31991), (512, 31994),

Gene: Ariel_86 Start: 50063, Stop: 51337, Start Num: 93

Candidate Starts for Ariel_86:

(71, 50006), (Start: 84 @50048 has 1 MA's), (Start: 93 @50063 has 10 MA's), (95, 50066), (122, 50111), (Start: 139 @50150 has 1 MA's), (250, 50531), (281, 50615), (284, 50627), (285, 50630), (320, 50759), (376, 50879), (396, 50942), (404, 50960), (412, 50984), (438, 51056), (492, 51233), (493, 51236), (494, 51242), (497, 51260), (500, 51275), (504, 51284), (505, 51287), (519, 51332),

Gene: Asapag_47 Start: 32537, Stop: 33631, Start Num: 131

Candidate Starts for Asapag_47:

(81, 32450), (101, 32486), (Start: 131 @32537 has 287 MA's), (Start: 150 @32588 has 14 MA's), (180, 32660), (182, 32666), (191, 32693), (222, 32780), (240, 32852), (250, 32888), (252, 32897), (289, 32972), (293, 32990), (320, 33089), (332, 33122), (333, 33125), (336, 33137), (382, 33239), (402, 33305), (413, 33332), (447, 33404), (480, 33464), (485, 33491), (512, 33599),

Gene: Asayake_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for Asayake_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: Atiba_41 Start: 32439, Stop: 33527, Start Num: 131

Candidate Starts for Atiba_41:

(Start: 131 @32439 has 287 MA's), (Start: 150 @32490 has 14 MA's), (Start: 170 @32541 has 6 MA's), (181, 32565), (193, 32601), (236, 32739), (250, 32793), (289, 32877), (307, 32946), (308, 32949), (359, 33099), (389, 33177), (396, 33204), (438, 33291), (471, 33339),

Gene: Attis_34 Start: 27696, Stop: 28778, Start Num: 130

Candidate Starts for Attis_34:

(Start: 74 @27585 has 6 MA's), (Start: 130 @27696 has 52 MA's), (Start: 150 @27750 has 14 MA's), (197, 27870), (284, 28125), (292, 28155), (308, 28215), (329, 28281), (336, 28305), (480, 28635), (485, 28662), (511, 28767),

Gene: AugsMagnumOpus_38 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for AugsMagnumOpus_38:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (159, 26695), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Auxilium_38 Start: 25309, Stop: 24170, Start Num: 131

Candidate Starts for Auxilium_38:

(Start: 131 @25309 has 287 MA's), (Start: 150 @25258 has 14 MA's), (215, 25090), (220, 25072), (259, 24940), (285, 24862), (289, 24850), (307, 24775), (310, 24766), (329, 24706), (360, 24616), (397, 24511), (405, 24490), (416, 24463), (473, 24340), (480, 24316), (482, 24301), (498, 24226), (508, 24196),

Gene: B1_31 Start: 25858, Stop: 24692, Start Num: 99

Candidate Starts for B1_31:

(Start: 99 @25858 has 1 MA's), (Start: 124 @25816 has 117 MA's), (Start: 170 @25693 has 6 MA's), (186, 25648), (215, 25576), (226, 25528), (240, 25474), (243, 25465), (252, 25429), (285, 25372), (359, 25141), (367, 25129), (375, 25108), (390, 25054), (392, 25048), (399, 25027), (406, 25012), (412, 24994), (423, 24967), (475, 24856), (487, 24808), (488, 24805), (493, 24778), (494, 24772), (496, 24760), (500, 24739), (508, 24721),

Gene: BEEST_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for BEEST_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: BENtherdunthat_50 Start: 31782, Stop: 32852, Start Num: 131

Candidate Starts for BENtherdunthat_50:

(107, 31740), (Start: 131 @31782 has 287 MA's), (Start: 150 @31833 has 14 MA's), (180, 31905), (182, 31911), (191, 31938), (250, 32133), (252, 32142), (282, 32193), (284, 32202), (285, 32205), (289, 32217), (301, 32262), (310, 32298), (320, 32334), (332, 32367), (333, 32370), (336, 32382), (402, 32550), (447, 32649), (480, 32709), (485, 32736), (486, 32739), (491, 32766), (493, 32772), (495, 32784), (511, 32841),

Gene: BGlluviae_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for BGlluviae_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: BabyJohn_32 Start: 26607, Stop: 25474, Start Num: 118

Candidate Starts for BabyJohn_32:

(Start: 118 @26607 has 3 MA's), (Start: 156 @26526 has 8 MA's), (Start: 170 @26472 has 6 MA's), (186, 26427), (241, 26250), (243, 26244), (252, 26208), (285, 26151), (307, 26073), (359, 25920), (367, 25908), (390, 25833), (392, 25827), (399, 25806), (406, 25791), (412, 25773), (422, 25749), (487, 25587), (493, 25557), (494, 25551), (496, 25539), (508, 25500),

Gene: BabyRay_33 Start: 26385, Stop: 25249, Start Num: 118

Candidate Starts for BabyRay_33:

(Start: 118 @26385 has 3 MA's), (Start: 170 @26250 has 6 MA's), (241, 26028), (243, 26022), (246, 26007), (252, 25986), (285, 25929), (307, 25851), (359, 25698), (367, 25686), (390, 25611), (392, 25605), (399, 25584), (406, 25569), (412, 25551), (487, 25365), (493, 25335), (494, 25329), (496, 25317), (500, 25296), (508, 25278),

Gene: Bactobuster_35 Start: 27867, Stop: 26860, Start Num: 170

Candidate Starts for Bactobuster_35:

(Start: 124 @27987 has 117 MA's), (Start: 144 @27951 has 10 MA's), (Start: 170 @27867 has 6 MA's), (186, 27822), (238, 27654), (252, 27603), (303, 27492), (307, 27468), (318, 27435), (320, 27423), (336, 27375), (359, 27315), (361, 27312), (367, 27303), (390, 27228), (392, 27222), (399, 27201), (406, 27186), (412, 27168), (487, 26982), (493, 26952), (494, 26946), (496, 26934), (508, 26895), (515, 26871),

Gene: Baehexic_34 Start: 26830, Stop: 25697, Start Num: 124

Candidate Starts for Baehexic_34:

(Start: 124 @26830 has 117 MA's), (Start: 150 @26776 has 14 MA's), (Start: 170 @26707 has 6 MA's), (186, 26662), (236, 26506), (243, 26479), (252, 26443), (285, 26386), (320, 26263), (325, 26245), (359, 26155), (367, 26143), (390, 26068), (392, 26062), (399, 26041), (406, 26026), (412, 26008), (423, 25981), (427, 25972), (475, 25870), (487, 25822), (493, 25792), (494, 25786), (496, 25774), (508, 25735),

Gene: BaghaKamala_40 Start: 31917, Stop: 33005, Start Num: 131

Candidate Starts for BaghaKamala_40:

(44, 31695), (Start: 131 @31917 has 287 MA's), (Start: 150 @31968 has 14 MA's), (Start: 170 @32019 has 6 MA's), (181, 32043), (193, 32079), (236, 32217), (250, 32271), (289, 32355), (307, 32424), (308, 32427), (359, 32577), (396, 32682), (438, 32769), (471, 32817),

Gene: BangNhom_33 Start: 26587, Stop: 25466, Start Num: 124

Candidate Starts for BangNhom_33:

(Start: 96 @26632 has 3 MA's), (Start: 115 @26605 has 1 MA's), (Start: 124 @26587 has 117 MA's), (Start: 156 @26518 has 8 MA's), (Start: 170 @26464 has 6 MA's), (240, 26245), (243, 26236), (252, 26200), (281, 26158), (284, 26146), (285, 26143), (348, 25930), (359, 25912), (390, 25825), (392, 25819), (399, 25798), (406, 25783), (412, 25765), (475, 25627), (487, 25579), (493, 25549), (494, 25543), (496, 25531), (508, 25492),

Gene: Banquo_37 Start: 27140, Stop: 26034, Start Num: 149

Candidate Starts for Banquo_37:

(Start: 149 @27140 has 12 MA's), (248, 26819), (271, 26756), (274, 26744), (289, 26693), (335, 26531), (348, 26483), (401, 26354), (419, 26306), (465, 26210), (490, 26120), (494, 26093),

Gene: BarrelRoll_41 Start: 32462, Stop: 33550, Start Num: 131

Candidate Starts for BarrelRoll_41:

(Start: 131 @32462 has 287 MA's), (Start: 150 @32513 has 14 MA's), (Start: 170 @32564 has 6 MA's), (181, 32588), (193, 32624), (236, 32762), (250, 32816), (289, 32900), (307, 32969), (308, 32972), (359, 33122), (389, 33200), (396, 33227), (438, 33314), (471, 33362),

Gene: BatStarr_39 Start: 31901, Stop: 33094, Start Num: 74

Candidate Starts for BatStarr_39:

(Start: 74 @31901 has 6 MA's), (Start: 130 @32012 has 52 MA's), (Start: 150 @32066 has 14 MA's), (197, 32186), (282, 32432), (284, 32441), (292, 32471), (308, 32531), (329, 32597), (336, 32621),

(480, 32951), (485, 32978), (511, 33083),

Gene: Batiatus_43 Start: 33150, Stop: 34277, Start Num: 131

Candidate Starts for Batiatus_43:

(75, 33048), (103, 33105), (Start: 131 @33150 has 287 MA's), (135, 33159), (193, 33321), (208, 33372), (215, 33390), (224, 33435), (250, 33531), (252, 33540), (285, 33621), (292, 33645), (309, 33714), (320, 33753), (325, 33771), (327, 33774), (332, 33786), (333, 33789), (336, 33801), (339, 33816), (346, 33840), (349, 33846), (363, 33867), (381, 33903), (382, 33906), (390, 33942), (392, 33948), (397, 33963), (404, 33978), (438, 34047), (447, 34062), (473, 34104), (483, 34149), (486, 34158), (494, 34197), (497, 34215), (503, 34236), (509, 34251), (511, 34260), (512, 34263),

Gene: Bauer_39 Start: 26996, Stop: 28129, Start Num: 131

Candidate Starts for Bauer_39:

(45, 26783), (51, 26819), (66, 26861), (120, 26984), (Start: 131 @26996 has 287 MA's), (166, 27089), (202, 27182), (259, 27359), (285, 27422), (289, 27434), (308, 27512), (313, 27524), (328, 27575), (352, 27656), (360, 27668), (372, 27695), (390, 27749), (437, 27869), (446, 27890), (480, 27962), (482, 27977), (497, 28049), (498, 28052), (508, 28082), (509, 28085), (518, 28118),

Gene: Beakin_43 Start: 31583, Stop: 32701, Start Num: 131

Candidate Starts for Beakin_43:

(Start: 131 @31583 has 287 MA's), (135, 31592), (193, 31754), (240, 31919), (250, 31955), (252, 31964), (292, 32069), (309, 32138), (320, 32177), (325, 32195), (327, 32198), (332, 32210), (333, 32213), (336, 32225), (339, 32240), (346, 32264), (349, 32270), (363, 32291), (381, 32327), (382, 32330), (390, 32366), (392, 32372), (397, 32387), (404, 32402), (438, 32471), (447, 32486), (473, 32528), (483, 32573), (486, 32582), (494, 32621), (497, 32639), (503, 32660), (509, 32675), (511, 32684), (512, 32687),

Gene: Beauxregard13_36 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for Beauxregard13_36:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: BeeGee_42 Start: 31829, Stop: 32935, Start Num: 131

Candidate Starts for BeeGee_42:

(Start: 96 @31772 has 3 MA's), (Start: 131 @31829 has 287 MA's), (Start: 150 @31880 has 14 MA's), (191, 31985), (208, 32024), (287, 32258), (289, 32264), (307, 32333), (308, 32336), (318, 32366), (333, 32417), (336, 32429), (421, 32657), (447, 32717), (480, 32792), (486, 32822), (511, 32924),

Gene: Beenie_33 Start: 29179, Stop: 30306, Start Num: 131

Candidate Starts for Beenie_33:

(107, 29140), (Start: 131 @29179 has 287 MA's), (Start: 150 @29233 has 14 MA's), (191, 29356), (204, 29389), (230, 29479), (238, 29512), (307, 29707), (308, 29710), (320, 29752), (333, 29788), (449, 30085), (480, 30163), (485, 30190), (490, 30205), (494, 30232), (511, 30295),

Gene: Beezoo_43 Start: 33442, Stop: 34530, Start Num: 131

Candidate Starts for Beezoo_43:

(Start: 131 @33442 has 287 MA's), (Start: 170 @33544 has 6 MA's), (181, 33568), (193, 33604), (236, 33742), (250, 33796), (289, 33880), (307, 33949), (308, 33952), (359, 34102), (396, 34207), (438, 34294), (471, 34342), (504, 34486),

Gene: Bella96_42 Start: 33333, Stop: 34421, Start Num: 131

Candidate Starts for Bella96_42:

(Start: 131 @33333 has 287 MA's), (Start: 150 @33384 has 14 MA's), (Start: 170 @33435 has 6 MA's), (181, 33459), (193, 33495), (229, 33609), (236, 33633), (250, 33687), (289, 33771), (307, 33840), (359, 33993), (396, 34098), (438, 34185), (471, 34233), (504, 34377),

Gene: Belladonna_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Belladonna_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: BellusTerra_33 Start: 26249, Stop: 25128, Start Num: 124

Candidate Starts for BellusTerra_33:

(Start: 96 @26294 has 3 MA's), (Start: 115 @26267 has 1 MA's), (Start: 124 @26249 has 117 MA's), (Start: 156 @26180 has 8 MA's), (Start: 170 @26126 has 6 MA's), (240, 25907), (243, 25898), (252, 25862), (281, 25820), (284, 25808), (285, 25805), (307, 25727), (348, 25592), (359, 25574), (390, 25487), (399, 25460), (406, 25445), (412, 25427), (475, 25289), (487, 25241), (493, 25211), (494, 25205), (496, 25193), (508, 25154),

Gene: BenchScraper_39 Start: 27267, Stop: 26128, Start Num: 131

Candidate Starts for BenchScraper_39:

(Start: 131 @27267 has 287 MA's), (Start: 150 @27216 has 14 MA's), (215, 27048), (220, 27030), (259, 26898), (285, 26820), (289, 26808), (290, 26802), (307, 26733), (310, 26724), (329, 26664), (360, 26574), (397, 26469), (405, 26448), (416, 26421), (473, 26298), (480, 26274), (482, 26259), (498, 26184), (508, 26154),

Gene: Bhageatrice_40 Start: 29135, Stop: 27957, Start Num: 131

Candidate Starts for Bhageatrice_40:

(Start: 104 @29174 has 7 MA's), (Start: 131 @29135 has 287 MA's), (174, 29018), (220, 28898), (259, 28766), (285, 28688), (307, 28601), (310, 28592), (329, 28532), (360, 28442), (397, 28337), (399, 28331), (416, 28289), (473, 28172), (480, 28148), (482, 28133), (512, 28013),

Gene: Bialota_37 Start: 31315, Stop: 32397, Start Num: 130

Candidate Starts for Bialota_37:

(Start: 74 @31204 has 6 MA's), (Start: 130 @31315 has 52 MA's), (Start: 150 @31369 has 14 MA's), (197, 31489), (284, 31744), (292, 31774), (308, 31834), (329, 31900), (336, 31924), (480, 32254), (485, 32281), (511, 32386),

Gene: BiancaTri92_35 Start: 27662, Stop: 26547, Start Num: 127

Candidate Starts for BiancaTri92_35:

(110, 27692), (Start: 127 @27662 has 10 MA's), (Start: 150 @27611 has 14 MA's), (Start: 170 @27542 has 6 MA's), (186, 27497), (236, 27341), (237, 27338), (243, 27314), (252, 27278), (285, 27221), (307, 27143), (325, 27080), (359, 26990), (367, 26978), (390, 26903), (392, 26897), (399, 26876), (406, 26861), (412, 26843), (487, 26657), (493, 26627), (494, 26621), (496, 26609), (508, 26570),

Gene: BigPhil_38 Start: 27903, Stop: 29021, Start Num: 131

Candidate Starts for BigPhil_38:

(Start: 131 @27903 has 287 MA's), (193, 28074), (240, 28239), (250, 28275), (252, 28284), (285, 28365), (292, 28389), (309, 28458), (320, 28497), (325, 28515), (327, 28518), (332, 28530), (333, 28533), (336, 28545), (339, 28560), (346, 28584), (349, 28590), (363, 28611), (381, 28647), (382, 28650), (390, 28686), (392, 28692), (396, 28704), (397, 28707), (404, 28722), (438, 28791), (447, 28806), (473, 28848), (483, 28893), (486, 28902), (494, 28941), (497, 28959), (503, 28980), (509,

28995), (511, 29004), (512, 29007),

Gene: Bigflo_36 Start: 26789, Stop: 25644, Start Num: 124

Candidate Starts for Bigflo_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: Biglebops_36 Start: 31976, Stop: 33070, Start Num: 131

Candidate Starts for Biglebops_36:

(25, 31625), (27, 31640), (39, 31733), (44, 31754), (70, 31847), (Start: 131 @31976 has 287 MA's), (Start: 150 @32027 has 14 MA's), (181, 32102), (193, 32138), (224, 32234), (229, 32252), (236, 32276), (248, 32324), (250, 32330), (300, 32462), (307, 32495), (320, 32540), (359, 32648), (396, 32753), (427, 32813), (471, 32888), (495, 32996), (504, 33032),

Gene: BillyTP_42 Start: 29080, Stop: 27908, Start Num: 131

Candidate Starts for BillyTP_42:

(Start: 131 @29080 has 287 MA's), (174, 28963), (215, 28861), (220, 28843), (259, 28711), (285, 28633), (289, 28621), (307, 28546), (310, 28537), (329, 28477), (360, 28387), (397, 28282), (405, 28261), (413, 28237), (416, 28234), (445, 28165), (473, 28111), (480, 28087), (482, 28072), (512, 27952), (519, 27925),

Gene: Bipolar_39 Start: 31381, Stop: 32499, Start Num: 131

Candidate Starts for Bipolar_39:

(Start: 131 @31381 has 287 MA's), (182, 31519), (193, 31552), (209, 31600), (240, 31717), (250, 31753), (252, 31762), (292, 31867), (309, 31936), (320, 31975), (327, 31996), (332, 32008), (333, 32011), (336, 32023), (339, 32038), (346, 32062), (349, 32068), (363, 32089), (381, 32125), (382, 32128), (390, 32164), (392, 32170), (397, 32185), (438, 32269), (447, 32284), (463, 32302), (473, 32326), (483, 32371), (486, 32380), (494, 32419), (497, 32437), (503, 32458), (509, 32473), (511, 32482), (512, 32485),

Gene: Birdsong_47 Start: 32758, Stop: 33852, Start Num: 131

Candidate Starts for Birdsong_47:

(54, 32578), (68, 32617), (Start: 131 @32758 has 287 MA's), (Start: 150 @32809 has 14 MA's), (182, 32887), (191, 32914), (209, 32959), (222, 33001), (240, 33073), (250, 33109), (252, 33118), (284, 33178), (289, 33193), (293, 33211), (320, 33310), (327, 33331), (332, 33343), (333, 33346), (336, 33358), (342, 33382), (382, 33460), (413, 33553), (447, 33625), (480, 33685), (493, 33748), (495, 33760), (512, 33820),

Gene: Bjaner7_34 Start: 27585, Stop: 28778, Start Num: 74

Candidate Starts for Bjaner7_34:

(Start: 72 @27579 has 2 MA's), (Start: 74 @27585 has 6 MA's), (Start: 130 @27696 has 52 MA's), (Start: 150 @27750 has 14 MA's), (197, 27870), (284, 28125), (292, 28155), (308, 28215), (329, 28281), (336, 28305), (365, 28374), (381, 28410), (480, 28635), (485, 28662), (511, 28767),

Gene: BlackSpider_36 Start: 26664, Stop: 27788, Start Num: 131

Candidate Starts for BlackSpider_36:

(45, 26439), (51, 26475), (Start: 131 @26664 has 287 MA's), (202, 26850), (259, 27027), (285, 27090), (289, 27102), (308, 27180), (313, 27192), (328, 27243), (352, 27324), (360, 27336), (372, 27363), (390, 27417), (478, 27627), (480, 27630), (482, 27645), (492, 27690), (498, 27720), (508, 27750),

Gene: Blarby_54 Start: 32907, Stop: 34010, Start Num: 131

Candidate Starts for Blarby_54:

(Start: 131 @32907 has 287 MA's), (Start: 150 @32955 has 14 MA's), (182, 33036), (189, 33063), (250, 33276), (263, 33300), (285, 33348), (307, 33429), (329, 33498), (332, 33507), (346, 33561), (359, 33582), (389, 33660), (392, 33675), (421, 33735), (438, 33774), (447, 33789), (460, 33813), (473, 33840), (480, 33864), (483, 33885), (486, 33894), (495, 33939), (497, 33951),

Gene: Blizzard_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for Blizzard_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: BlueBird_34 Start: 26297, Stop: 25170, Start Num: 124

Candidate Starts for BlueBird_34:

(Start: 124 @26297 has 117 MA's), (159, 26210), (Start: 170 @26174 has 6 MA's), (186, 26129), (236, 25973), (238, 25961), (240, 25955), (252, 25910), (284, 25856), (285, 25853), (307, 25775), (359, 25622), (367, 25610), (382, 25571), (390, 25535), (392, 25529), (399, 25508), (406, 25493), (412, 25475), (423, 25448), (475, 25337), (487, 25289), (493, 25259), (494, 25253), (496, 25241), (508, 25202),

Gene: BlueShadow_40 Start: 27645, Stop: 26479, Start Num: 131

Candidate Starts for BlueShadow_40:

(Start: 131 @27645 has 287 MA's), (215, 27426), (220, 27408), (259, 27276), (285, 27198), (289, 27186), (307, 27111), (310, 27102), (329, 27042), (360, 26952), (397, 26847), (405, 26826), (413, 26802), (416, 26799), (473, 26676), (478, 26655), (480, 26652), (482, 26637), (519, 26490),

Gene: BobaPhett_43 Start: 33216, Stop: 34334, Start Num: 131

Candidate Starts for BobaPhett_43:

(Start: 131 @33216 has 287 MA's), (182, 33354), (193, 33387), (209, 33435), (240, 33552), (250, 33588), (252, 33597), (292, 33702), (309, 33771), (327, 33831), (332, 33843), (333, 33846), (336, 33858), (339, 33873), (346, 33897), (349, 33903), (363, 33924), (381, 33960), (382, 33963), (390, 33999), (392, 34005), (396, 34017), (397, 34020), (438, 34104), (447, 34119), (473, 34161), (483, 34206), (486, 34215), (494, 34254), (497, 34272), (503, 34293), (509, 34308), (511, 34317), (512, 34320),

Gene: Bobby_80 Start: 53134, Stop: 54363, Start Num: 115

Candidate Starts for Bobby_80:

(Start: 115 @53134 has 1 MA's), (122, 53152), (Start: 139 @53191 has 1 MA's), (213, 53428), (240, 53536), (281, 53656), (282, 53659), (284, 53668), (289, 53683), (320, 53800), (369, 53917), (376, 53920), (381, 53929), (394, 53980), (396, 53983), (404, 54001), (438, 54097), (492, 54274), (493, 54277), (497, 54301), (504, 54325), (505, 54328),

Gene: Bobi_46 Start: 33890, Stop: 35017, Start Num: 131

Candidate Starts for Bobi_46:

(75, 33788), (103, 33845), (Start: 131 @33890 has 287 MA's), (135, 33899), (193, 34061), (208, 34112), (215, 34130), (224, 34175), (250, 34271), (252, 34280), (292, 34385), (309, 34454), (327, 34514), (332, 34526), (333, 34529), (336, 34541), (339, 34556), (346, 34580), (349, 34586), (363, 34607), (381, 34643), (382, 34646), (390, 34682), (392, 34688), (396, 34700), (397, 34703), (438, 34787), (447, 34802), (473, 34844), (483, 34889), (486, 34898), (494, 34937), (497, 34955), (503, 34976), (509, 34991), (511, 35000), (512, 35003),

Gene: Boiiii_41 Start: 32794, Stop: 33882, Start Num: 131

Candidate Starts for Boiiii_41:

(Start: 131 @32794 has 287 MA's), (Start: 170 @32896 has 6 MA's), (181, 32920), (193, 32956), (236, 33094), (289, 33232), (307, 33301), (308, 33304), (359, 33454), (396, 33559), (471, 33694),

Gene: BoostSeason_44 Start: 34144, Stop: 35244, Start Num: 131

Candidate Starts for BoostSeason_44:

(Start: 131 @34144 has 287 MA's), (137, 34162), (Start: 150 @34195 has 14 MA's), (181, 34270), (193, 34306), (229, 34420), (236, 34444), (250, 34498), (302, 34639), (307, 34663), (308, 34666), (320, 34708), (359, 34816), (396, 34921), (418, 34966), (427, 34981), (495, 35173),

Gene: Bosnia_39 Start: 32012, Stop: 33094, Start Num: 130

Candidate Starts for Bosnia_39:

(Start: 74 @31901 has 6 MA's), (Start: 130 @32012 has 52 MA's), (Start: 150 @32066 has 14 MA's), (197, 32186), (230, 32297), (282, 32432), (308, 32531), (329, 32597), (336, 32621), (381, 32726), (480, 32951), (485, 32978), (495, 33026), (511, 33083),

Gene: BotCity_51 Start: 32558, Stop: 33655, Start Num: 131

Candidate Starts for BotCity_51:

(Start: 131 @32558 has 287 MA's), (Start: 150 @32609 has 14 MA's), (169, 32657), (182, 32687), (191, 32714), (222, 32801), (238, 32867), (240, 32873), (250, 32909), (252, 32918), (284, 32978), (289, 32993), (293, 33011), (301, 33038), (320, 33110), (332, 33143), (333, 33146), (336, 33158), (342, 33182), (402, 33326), (447, 33425), (480, 33485), (485, 33512), (495, 33560), (497, 33572), (512, 33620),

Gene: BoyNamedSue_39 Start: 31289, Stop: 32371, Start Num: 130

Candidate Starts for BoyNamedSue_39:

(Start: 74 @31178 has 6 MA's), (Start: 130 @31289 has 52 MA's), (Start: 150 @31343 has 14 MA's), (197, 31463), (292, 31748), (308, 31808), (329, 31874), (336, 31898), (480, 32228), (495, 32303), (511, 32360),

Gene: Bradissa_36 Start: 31469, Stop: 32551, Start Num: 130

Candidate Starts for Bradissa_36:

(Start: 130 @31469 has 52 MA's), (Start: 175 @31586 has 1 MA's), (209, 31679), (284, 31901), (294, 31937), (308, 31991), (330, 32060), (333, 32069), (480, 32408), (485, 32435), (511, 32540),

Gene: Bradman_34 Start: 25599, Stop: 24475, Start Num: 124

Candidate Starts for Bradman_34:

(Start: 124 @25599 has 117 MA's), (157, 25521), (Start: 170 @25476 has 6 MA's), (186, 25431), (209, 25371), (243, 25248), (252, 25212), (284, 25158), (285, 25155), (320, 25032), (321, 25029), (325, 25014), (354, 24930), (359, 24924), (375, 24891), (381, 24876), (390, 24837), (399, 24810), (406, 24795), (412, 24777), (423, 24750), (475, 24639), (487, 24591), (488, 24588), (490, 24582), (493, 24561), (494, 24555), (496, 24543), (508, 24504),

Gene: BrayBeast_32 Start: 24672, Stop: 23518, Start Num: 131

Candidate Starts for BrayBeast_32:

(Start: 131 @24672 has 287 MA's), (151, 24618), (229, 24369), (240, 24324), (245, 24303), (246, 24300), (253, 24276), (289, 24177), (292, 24162), (316, 24078), (372, 23919), (390, 23865), (398, 23841), (405, 23823), (416, 23796), (427, 23769), (438, 23742), (446, 23727), (452, 23718), (482, 23634), (483, 23628), (486, 23619), (495, 23574), (501, 23544),

Gene: BreSam8_36 Start: 26783, Stop: 25638, Start Num: 124

Candidate Starts for BreSam8_36:

(Start: 124 @26783 has 117 MA's), (Start: 144 @26744 has 10 MA's), (159, 26696), (Start: 170 @26660 has 6 MA's), (186, 26615), (236, 26459), (243, 26432), (252, 26396), (285, 26339), (307,

26261), (315, 26237), (325, 26198), (348, 26126), (354, 26114), (359, 26108), (367, 26096), (390, 26021), (392, 26015), (399, 25994), (406, 25979), (412, 25961), (422, 25937), (475, 25823), (486, 25778), (487, 25775), (490, 25766), (493, 25745), (494, 25739), (496, 25727), (508, 25688),

Gene: Bridgette_38 Start: 26661, Stop: 27803, Start Num: 131

Candidate Starts for Bridgette_38:

(123, 26646), (129, 26655), (Start: 131 @26661 has 287 MA's), (248, 27015), (250, 27021), (255, 27039), (292, 27147), (307, 27207), (336, 27300), (382, 27420), (393, 27468), (405, 27498), (446, 27594), (486, 27702), (501, 27777),

Gene: Brocalys_36 Start: 27204, Stop: 28322, Start Num: 131

Candidate Starts for Brocalys_36:

(Start: 131 @27204 has 287 MA's), (135, 27213), (193, 27375), (240, 27540), (250, 27576), (252, 27585), (285, 27666), (292, 27690), (309, 27759), (320, 27798), (325, 27816), (327, 27819), (332, 27831), (333, 27834), (336, 27846), (339, 27861), (346, 27885), (349, 27891), (363, 27912), (381, 27948), (382, 27951), (390, 27987), (392, 27993), (397, 28008), (404, 28023), (438, 28092), (447, 28107), (473, 28149), (483, 28194), (486, 28203), (494, 28242), (497, 28260), (503, 28281), (509, 28296), (511, 28305), (512, 28308),

Gene: Brookers_40 Start: 30854, Stop: 31972, Start Num: 131

Candidate Starts for Brookers_40:

(Start: 131 @30854 has 287 MA's), (193, 31025), (240, 31190), (250, 31226), (252, 31235), (285, 31316), (292, 31340), (309, 31409), (320, 31448), (325, 31466), (327, 31469), (332, 31481), (333, 31484), (336, 31496), (339, 31511), (346, 31535), (349, 31541), (363, 31562), (381, 31598), (382, 31601), (390, 31637), (392, 31643), (396, 31655), (397, 31658), (404, 31673), (438, 31742), (447, 31757), (473, 31799), (483, 31844), (486, 31853), (494, 31892), (497, 31910), (503, 31931), (509, 31946), (511, 31955), (512, 31958),

Gene: Brushbloom_50 Start: 32847, Stop: 33965, Start Num: 131

Candidate Starts for Brushbloom_50:

(Start: 131 @32847 has 287 MA's), (135, 32856), (182, 32985), (193, 33018), (209, 33066), (240, 33183), (250, 33219), (252, 33228), (292, 33333), (309, 33402), (327, 33462), (332, 33474), (333, 33477), (336, 33489), (339, 33504), (346, 33528), (349, 33534), (363, 33555), (381, 33591), (382, 33594), (390, 33630), (392, 33636), (396, 33648), (397, 33651), (438, 33735), (447, 33750), (473, 33792), (483, 33837), (486, 33846), (494, 33885), (497, 33903), (503, 33924), (509, 33939), (511, 33948), (512, 33951),

Gene: Budski_49 Start: 33439, Stop: 34533, Start Num: 131

Candidate Starts for Budski_49:

(103, 33394), (Start: 131 @33439 has 287 MA's), (Start: 150 @33490 has 14 MA's), (191, 33595), (209, 33640), (222, 33682), (250, 33790), (252, 33799), (282, 33850), (289, 33874), (293, 33892), (320, 33991), (332, 34024), (333, 34027), (336, 34039), (342, 34063), (399, 34204), (413, 34234), (447, 34306), (453, 34315), (480, 34366), (481, 34369), (486, 34396), (490, 34408), (512, 34501),

Gene: Bugatti_33 Start: 26297, Stop: 25170, Start Num: 124

Candidate Starts for Bugatti_33:

(Start: 124 @26297 has 117 MA's), (159, 26210), (Start: 170 @26174 has 6 MA's), (186, 26129), (236, 25973), (238, 25961), (240, 25955), (252, 25910), (284, 25856), (285, 25853), (307, 25775), (359, 25622), (367, 25610), (382, 25571), (390, 25535), (392, 25529), (399, 25508), (406, 25493), (412, 25475), (423, 25448), (475, 25337), (487, 25289), (493, 25259), (494, 25253), (496, 25241), (508, 25202),

Gene: Buggy_36 Start: 26995, Stop: 25874, Start Num: 124

Candidate Starts for Buggy_36:

(Start: 85 @27058 has 1 MA's), (Start: 124 @26995 has 117 MA's), (Start: 150 @26941 has 14 MA's), (Start: 170 @26872 has 6 MA's), (186, 26827), (227, 26701), (243, 26644), (252, 26608), (284, 26554), (285, 26551), (320, 26428), (325, 26410), (359, 26320), (367, 26308), (390, 26233), (392, 26227), (399, 26206), (406, 26191), (412, 26173), (487, 25987), (493, 25957), (494, 25951), (496, 25939), (508, 25900),

Gene: Bunnybear_33 Start: 29696, Stop: 30778, Start Num: 130

Candidate Starts for Bunnybear_33:

(Start: 74 @29585 has 6 MA's), (Start: 130 @29696 has 52 MA's), (Start: 150 @29750 has 14 MA's), (197, 29870), (292, 30155), (308, 30215), (329, 30281), (336, 30305), (381, 30410), (480, 30635), (485, 30662), (511, 30767),

Gene: Byougenkin_40 Start: 32001, Stop: 33119, Start Num: 131

Candidate Starts for Byougenkin_40:

(Start: 131 @32001 has 287 MA's), (182, 32139), (193, 32172), (209, 32220), (250, 32373), (252, 32382), (285, 32463), (309, 32556), (327, 32616), (332, 32628), (333, 32631), (346, 32682), (363, 32709), (381, 32745), (382, 32748), (390, 32784), (438, 32889), (447, 32904), (473, 32946), (483, 32991), (486, 33000), (494, 33039), (497, 33057), (503, 33078), (509, 33093), (511, 33102), (512, 33105),

Gene: C3_31 Start: 26345, Stop: 25275, Start Num: 150

Candidate Starts for C3_31:

(90, 26453), (Start: 124 @26399 has 117 MA's), (Start: 150 @26345 has 14 MA's), (Start: 170 @26276 has 6 MA's), (236, 26075), (243, 26048), (252, 26012), (284, 25958), (285, 25955), (292, 25928), (307, 25877), (318, 25844), (320, 25832), (325, 25814), (348, 25742), (359, 25724), (367, 25712), (382, 25673), (390, 25637), (392, 25631), (399, 25610), (406, 25595), (412, 25577), (423, 25550), (475, 25439), (487, 25391), (488, 25388), (493, 25361), (494, 25355), (496, 25343), (508, 25304),

Gene: CREW_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for CREW_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Calvinny_36 Start: 26589, Stop: 25498, Start Num: 150

Candidate Starts for Calvinny_36:

(Start: 85 @26706 has 1 MA's), (Start: 124 @26643 has 117 MA's), (Start: 150 @26589 has 14 MA's), (Start: 170 @26520 has 6 MA's), (240, 26301), (243, 26292), (252, 26256), (285, 26199), (307, 26121), (318, 26088), (348, 25986), (359, 25968), (367, 25956), (390, 25881), (392, 25875), (399, 25854), (406, 25839), (412, 25821), (422, 25797), (486, 25638), (487, 25635), (493, 25605), (494, 25599), (496, 25587), (508, 25548),

Gene: Capricorn_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Capricorn_41:

(12, 31974), (13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: CaptainTrips_41 Start: 32330, Stop: 33448, Start Num: 131

Candidate Starts for CaptainTrips_41:

(Start: 131 @32330 has 287 MA's), (135, 32339), (193, 32501), (209, 32549), (240, 32666), (250, 32702), (252, 32711), (292, 32816), (309, 32885), (320, 32924), (325, 32942), (327, 32945), (332,

32957), (333, 32960), (336, 32972), (346, 33011), (349, 33017), (363, 33038), (381, 33074), (382, 33077), (390, 33113), (392, 33119), (396, 33131), (397, 33134), (404, 33149), (438, 33218), (447, 33233), (463, 33251), (473, 33275), (483, 33320), (486, 33329), (494, 33368), (497, 33386), (503, 33407), (509, 33422), (511, 33431), (512, 33434),

Gene: Caraxes_33 Start: 24997, Stop: 23882, Start Num: 128

Candidate Starts for Caraxes_33:

(Start: 128 @24997 has 7 MA's), (Start: 150 @24949 has 14 MA's), (159, 24916), (Start: 170 @24880 has 6 MA's), (186, 24835), (238, 24667), (243, 24652), (252, 24616), (281, 24574), (284, 24562), (285, 24559), (310, 24472), (315, 24457), (359, 24328), (367, 24316), (375, 24295), (382, 24277), (390, 24241), (399, 24214), (406, 24199), (412, 24181), (423, 24154), (475, 24043), (487, 23995), (493, 23965), (494, 23959), (496, 23947), (508, 23908),

Gene: CaseJules_42 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for CaseJules_42:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: Cashline_38 Start: 32110, Stop: 33216, Start Num: 131

Candidate Starts for Cashline_38:

(Start: 96 @32053 has 3 MA's), (Start: 131 @32110 has 287 MA's), (Start: 150 @32161 has 14 MA's), (191, 32266), (208, 32305), (289, 32545), (307, 32614), (308, 32617), (310, 32623), (318, 32647), (333, 32698), (336, 32710), (421, 32938), (447, 32998), (480, 33073), (486, 33103), (511, 33205),

Gene: Catfish_37 Start: 28481, Stop: 27369, Start Num: 149

Candidate Starts for Catfish_37:

(Start: 149 @28481 has 12 MA's), (160, 28439), (205, 28313), (262, 28112), (280, 28055), (289, 28028), (314, 27932), (323, 27899), (326, 27890), (368, 27782), (416, 27653), (486, 27467), (494, 27428), (502, 27389),

Gene: Centaur_35 Start: 26808, Stop: 25675, Start Num: 124

Candidate Starts for Centaur_35:

(Start: 124 @26808 has 117 MA's), (Start: 150 @26754 has 14 MA's), (Start: 170 @26685 has 6 MA's), (186, 26640), (236, 26484), (243, 26457), (252, 26421), (285, 26364), (320, 26241), (325, 26223), (359, 26133), (367, 26121), (390, 26046), (392, 26040), (399, 26019), (406, 26004), (412, 25986), (423, 25959), (427, 25950), (475, 25848), (487, 25800), (493, 25770), (494, 25764), (496, 25752), (508, 25713),

Gene: Cerasum_38 Start: 27921, Stop: 29039, Start Num: 131

Candidate Starts for Cerasum_38:

(Start: 131 @27921 has 287 MA's), (193, 28092), (240, 28257), (250, 28293), (252, 28302), (285, 28383), (292, 28407), (309, 28476), (320, 28515), (325, 28533), (327, 28536), (332, 28548), (333, 28551), (336, 28563), (339, 28578), (346, 28602), (349, 28608), (363, 28629), (381, 28665), (382, 28668), (390, 28704), (392, 28710), (396, 28722), (397, 28725), (404, 28740), (438, 28809), (447, 28824), (473, 28866), (483, 28911), (486, 28920), (494, 28959), (497, 28977), (503, 28998), (509, 29013), (511, 29022), (512, 29025),

Gene: Cerulean_34 Start: 26519, Stop: 25467, Start Num: 156

Candidate Starts for Cerulean_34:

(Start: 96 @26633 has 3 MA's), (Start: 115 @26606 has 1 MA's), (Start: 124 @26588 has 117 MA's), (Start: 156 @26519 has 8 MA's), (Start: 170 @26465 has 6 MA's), (240, 26246), (243, 26237), (252, 26201), (281, 26159), (284, 26147), (285, 26144), (348, 25931), (359, 25913), (390, 25826), (392, 25820), (399, 25799), (406, 25784), (412, 25766), (475, 25628), (487, 25580), (493, 25550), (494,

25544), (496, 25532), (508, 25493),

Gene: ChampagnePapi_34 Start: 26518, Stop: 25466, Start Num: 156

Candidate Starts for ChampagnePapi_34:

(Start: 115 @26605 has 1 MA's), (Start: 124 @26587 has 117 MA's), (Start: 156 @26518 has 8 MA's), (Start: 170 @26464 has 6 MA's), (240, 26245), (243, 26236), (252, 26200), (281, 26158), (284, 26146), (285, 26143), (348, 25930), (359, 25912), (390, 25825), (392, 25819), (399, 25798), (406, 25783), (412, 25765), (475, 25627), (487, 25579), (493, 25549), (494, 25543), (496, 25531), (508, 25492),

Gene: Chavito_44 Start: 33649, Stop: 34740, Start Num: 131

Candidate Starts for Chavito_44:

(29, 33316), (42, 33415), (43, 33424), (48, 33451), (62, 33499), (Start: 131 @33649 has 287 MA's), (Start: 150 @33700 has 14 MA's), (181, 33775), (193, 33811), (229, 33925), (236, 33949), (250, 34003), (289, 34087), (296, 34120), (307, 34156), (308, 34159), (320, 34201), (346, 34288), (359, 34309), (396, 34417), (427, 34477), (464, 34540), (471, 34552), (495, 34660), (504, 34696),

Gene: Che12_36 Start: 25378, Stop: 24263, Start Num: 128

Candidate Starts for Che12_36:

(Start: 128 @25378 has 7 MA's), (159, 25297), (Start: 170 @25261 has 6 MA's), (186, 25216), (219, 25129), (238, 25048), (252, 24997), (281, 24955), (284, 24943), (285, 24940), (307, 24862), (339, 24754), (348, 24727), (359, 24709), (367, 24697), (375, 24676), (390, 24622), (399, 24595), (406, 24580), (412, 24562), (423, 24535), (475, 24424), (487, 24376), (493, 24346), (494, 24340), (496, 24328), (508, 24289),

Gene: CheeseTouch_54 Start: 30887, Stop: 31984, Start Num: 131

Candidate Starts for CheeseTouch_54:

(53, 30722), (55, 30731), (114, 30857), (Start: 131 @30887 has 287 MA's), (Start: 150 @30938 has 14 MA's), (182, 31016), (191, 31043), (222, 31130), (238, 31196), (240, 31202), (284, 31307), (285, 31310), (289, 31322), (320, 31439), (327, 31460), (330, 31466), (336, 31487), (363, 31559), (392, 31643), (447, 31766), (477, 31817), (480, 31826), (485, 31853), (512, 31961), (517, 31976),

Gene: Cheesepuff_48 Start: 33297, Stop: 34415, Start Num: 131

Candidate Starts for Cheesepuff_48:

(Start: 131 @33297 has 287 MA's), (193, 33468), (240, 33633), (250, 33669), (252, 33678), (292, 33783), (309, 33852), (320, 33891), (327, 33912), (332, 33924), (333, 33927), (336, 33939), (346, 33978), (349, 33984), (363, 34005), (381, 34041), (382, 34044), (390, 34080), (392, 34086), (397, 34101), (404, 34116), (438, 34185), (447, 34200), (463, 34218), (473, 34242), (483, 34287), (486, 34296), (494, 34335), (497, 34353), (503, 34374), (509, 34389), (511, 34398), (512, 34401),

Gene: CheetoDust_40 Start: 31967, Stop: 33055, Start Num: 131

Candidate Starts for CheetoDust_40:

(44, 31745), (Start: 131 @31967 has 287 MA's), (Start: 150 @32018 has 14 MA's), (Start: 170 @32069 has 6 MA's), (181, 32093), (193, 32129), (236, 32267), (250, 32321), (289, 32405), (307, 32474), (308, 32477), (359, 32627), (396, 32732), (438, 32819), (471, 32867),

Gene: ChipMunk_36 Start: 28148, Stop: 27003, Start Num: 104

Candidate Starts for ChipMunk_36:

(Start: 104 @28148 has 7 MA's), (Start: 116 @28130 has 7 MA's), (Start: 156 @28049 has 8 MA's), (Start: 170 @28001 has 6 MA's), (186, 27956), (236, 27800), (240, 27782), (243, 27773), (252, 27737), (281, 27695), (285, 27680), (289, 27668), (307, 27602), (318, 27569), (320, 27557), (325, 27539), (359, 27449), (367, 27437), (390, 27362), (392, 27356), (399, 27335), (406, 27320), (412, 27302), (423, 27275), (427, 27266), (475, 27164), (487, 27116), (488, 27113), (493, 27086), (494, 27080), (496, 27068), (508, 27029),

Gene: Chiqui_32 Start: 26616, Stop: 25483, Start Num: 118

Candidate Starts for Chiqui_32:

(Start: 118 @26616 has 3 MA's), (Start: 156 @26535 has 8 MA's), (Start: 170 @26481 has 6 MA's), (186, 26436), (241, 26259), (243, 26253), (252, 26217), (285, 26160), (307, 26082), (359, 25929), (367, 25917), (390, 25842), (392, 25836), (399, 25815), (406, 25800), (412, 25782), (422, 25758), (487, 25596), (493, 25566), (494, 25560), (496, 25548), (508, 25509),

Gene: Chris_43 Start: 33288, Stop: 34373, Start Num: 131

Candidate Starts for Chris_43:

(Start: 131 @33288 has 287 MA's), (193, 33450), (211, 33495), (236, 33588), (246, 33630), (289, 33726), (292, 33741), (307, 33795), (308, 33798), (310, 33804), (320, 33840), (359, 33948), (396, 34053), (438, 34140), (464, 34176), (471, 34188), (495, 34296), (509, 34344),

Gene: ChuckDuck_39 Start: 26485, Stop: 27627, Start Num: 131

Candidate Starts for ChuckDuck_39:

(22, 26068), (24, 26098), (30, 26158), (32, 26188), (47, 26278), (57, 26314), (78, 26386), (80, 26395), (Start: 131 @26485 has 287 MA's), (248, 26839), (250, 26845), (255, 26863), (292, 26971), (307, 27031), (336, 27124), (382, 27244), (393, 27292), (405, 27322), (446, 27418), (486, 27526), (501, 27601),

Gene: Chymera_32 Start: 24210, Stop: 22924, Start Num: 131

Candidate Starts for Chymera_32:

(Start: 131 @24210 has 287 MA's), (135, 24201), (Start: 150 @24156 has 14 MA's), (233, 23862), (260, 23760), (270, 23730), (272, 23727), (315, 23547), (327, 23502), (329, 23499), (382, 23358), (384, 23352), (396, 23304), (486, 23067), (498, 23007), (505, 22983),

Gene: Clap_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for Clap_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (365, 28553), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Clark_39 Start: 28996, Stop: 30123, Start Num: 131

Candidate Starts for Clark_39:

(107, 28957), (Start: 131 @28996 has 287 MA's), (Start: 150 @29050 has 14 MA's), (191, 29173), (204, 29206), (230, 29296), (238, 29329), (307, 29524), (308, 29527), (320, 29569), (333, 29605), (449, 29902), (480, 29980), (485, 30007), (490, 30022), (494, 30049), (511, 30112),

Gene: Clifton_35 Start: 27555, Stop: 28673, Start Num: 131

Candidate Starts for Clifton_35:

(Start: 131 @27555 has 287 MA's), (135, 27564), (193, 27726), (240, 27891), (250, 27927), (252, 27936), (285, 28017), (292, 28041), (309, 28110), (320, 28149), (325, 28167), (327, 28170), (332, 28182), (333, 28185), (336, 28197), (339, 28212), (346, 28236), (349, 28242), (363, 28263), (381, 28299), (382, 28302), (390, 28338), (392, 28344), (397, 28359), (404, 28374), (438, 28443), (447, 28458), (473, 28500), (483, 28545), (486, 28554), (494, 28593), (497, 28611), (503, 28632), (509, 28647), (511, 28656), (512, 28659),

Gene: Clipper_45 Start: 33113, Stop: 34201, Start Num: 131

Candidate Starts for Clipper_45:

(Start: 131 @33113 has 287 MA's), (Start: 150 @33164 has 14 MA's), (Start: 170 @33215 has 6 MA's), (181, 33239), (193, 33275), (236, 33413), (289, 33551), (307, 33620), (308, 33623), (359, 33773), (396, 33878), (471, 34013),

Gene: Coco12_40 Start: 31978, Stop: 33096, Start Num: 131

Candidate Starts for Coco12_40:

(Start: 131 @31978 has 287 MA's), (193, 32149), (240, 32314), (250, 32350), (252, 32359), (285, 32440), (292, 32464), (309, 32533), (320, 32572), (325, 32590), (327, 32593), (332, 32605), (333, 32608), (336, 32620), (339, 32635), (346, 32659), (349, 32665), (363, 32686), (381, 32722), (382, 32725), (390, 32761), (392, 32767), (396, 32779), (397, 32782), (404, 32797), (438, 32866), (447, 32881), (473, 32923), (483, 32968), (486, 32977), (494, 33016), (497, 33034), (503, 33055), (509, 33070), (511, 33079), (512, 33082),

Gene: Colbster_36 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for Colbster_36:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: Colin_37 Start: 27841, Stop: 26711, Start Num: 127

Candidate Starts for Colin_37:

(Start: 127 @27841 has 10 MA's), (Start: 170 @27721 has 6 MA's), (186, 27676), (240, 27502), (243, 27493), (252, 27457), (284, 27403), (285, 27400), (307, 27322), (318, 27289), (320, 27277), (359, 27169), (367, 27157), (390, 27082), (399, 27055), (406, 27040), (412, 27022), (423, 26995), (487, 26836), (493, 26806), (494, 26800), (496, 26788), (508, 26749),

Gene: Commander_33 Start: 26250, Stop: 25129, Start Num: 124

Candidate Starts for Commander_33:

(Start: 96 @26295 has 3 MA's), (Start: 115 @26268 has 1 MA's), (Start: 124 @26250 has 117 MA's), (Start: 156 @26181 has 8 MA's), (Start: 170 @26127 has 6 MA's), (240, 25908), (243, 25899), (252, 25863), (281, 25821), (284, 25809), (285, 25806), (307, 25728), (348, 25593), (359, 25575), (390, 25488), (399, 25461), (406, 25446), (412, 25428), (475, 25290), (487, 25242), (493, 25212), (494, 25206), (496, 25194), (508, 25155),

Gene: Confidence_37 Start: 29321, Stop: 30403, Start Num: 130

Candidate Starts for Confidence_37:

(Start: 130 @29321 has 52 MA's), (Start: 175 @29438 has 1 MA's), (209, 29531), (284, 29753), (294, 29789), (308, 29843), (330, 29912), (480, 30260), (485, 30287), (493, 30323), (511, 30392),

Gene: Constance_38 Start: 26814, Stop: 27956, Start Num: 131

Candidate Starts for Constance_38:

(65, 26667), (69, 26679), (71, 26688), (79, 26721), (106, 26769), (Start: 116 @26784 has 7 MA's), (Start: 131 @26814 has 287 MA's), (250, 27174), (255, 27192), (292, 27300), (307, 27360), (336, 27453), (382, 27573), (393, 27621), (405, 27651), (446, 27747), (486, 27855), (501, 27930),

Gene: CookieBear_41 Start: 27769, Stop: 26630, Start Num: 131

Candidate Starts for CookieBear_41:

(Start: 131 @27769 has 287 MA's), (Start: 150 @27718 has 14 MA's), (215, 27550), (220, 27532), (259, 27400), (281, 27337), (285, 27322), (289, 27310), (290, 27304), (307, 27235), (310, 27226), (329, 27166), (360, 27076), (397, 26971), (405, 26950), (416, 26923), (473, 26800), (480, 26776), (482, 26761), (498, 26686), (508, 26656),

Gene: Corium_41 Start: 32428, Stop: 33546, Start Num: 131

Candidate Starts for Corium_41:

(Start: 131 @32428 has 287 MA's), (135, 32437), (193, 32599), (240, 32764), (250, 32800), (252, 32809), (292, 32914), (309, 32983), (320, 33022), (325, 33040), (327, 33043), (332, 33055), (333, 33058), (336, 33070), (339, 33085), (346, 33109), (349, 33115), (363, 33136), (381, 33172), (382, 33175), (390, 33211), (392, 33217), (397, 33232), (404, 33247), (438, 33316), (447, 33331), (473, 33373), (483, 33418), (486, 33427), (490, 33439), (494, 33466), (497, 33484), (503, 33505), (509, 33520), (511, 33529), (512, 33532),

Gene: Cornucopia_45 Start: 32843, Stop: 33970, Start Num: 131

Candidate Starts for Cornucopia_45:

(75, 32741), (103, 32798), (Start: 131 @32843 has 287 MA's), (135, 32852), (193, 33014), (208, 33065), (215, 33083), (224, 33128), (250, 33224), (252, 33233), (285, 33314), (292, 33338), (309, 33407), (320, 33446), (327, 33467), (332, 33479), (333, 33482), (336, 33494), (339, 33509), (346, 33533), (363, 33560), (381, 33596), (382, 33599), (390, 33635), (404, 33671), (438, 33740), (447, 33755), (463, 33773), (473, 33797), (483, 33842), (486, 33851), (490, 33863), (494, 33890), (497, 33908), (503, 33929), (509, 33944), (511, 33953), (512, 33956),

Gene: Courthouse_82 Start: 49663, Stop: 50937, Start Num: 93

Candidate Starts for Courthouse_82:

(71, 49606), (Start: 84 @49648 has 1 MA's), (Start: 93 @49663 has 10 MA's), (95, 49666), (122, 49711), (Start: 139 @49750 has 1 MA's), (250, 50131), (281, 50215), (284, 50227), (285, 50230), (320, 50359), (376, 50479), (396, 50542), (404, 50560), (412, 50584), (438, 50656), (492, 50833), (493, 50836), (494, 50842), (497, 50860), (500, 50875), (504, 50884), (505, 50887), (519, 50932),

Gene: Crater_49 Start: 32565, Stop: 33662, Start Num: 131

Candidate Starts for Crater_49:

(54, 32385), (68, 32424), (Start: 131 @32565 has 287 MA's), (Start: 150 @32616 has 14 MA's), (182, 32694), (191, 32721), (209, 32766), (221, 32799), (222, 32808), (284, 32985), (285, 32988), (310, 33081), (320, 33117), (332, 33150), (333, 33153), (336, 33165), (399, 33330), (413, 33360), (447, 33432), (473, 33468), (480, 33492), (485, 33519), (495, 33567), (497, 33579), (512, 33627),

Gene: CrimD_41 Start: 32723, Stop: 33811, Start Num: 131

Candidate Starts for CrimD_41:

(Start: 131 @32723 has 287 MA's), (Start: 170 @32825 has 6 MA's), (181, 32849), (193, 32885), (236, 33023), (250, 33077), (289, 33161), (307, 33230), (308, 33233), (359, 33383), (389, 33461), (396, 33488), (471, 33623), (504, 33767),

Gene: Crucio_34 Start: 26336, Stop: 25269, Start Num: 150

Candidate Starts for Crucio_34:

(Start: 85 @26453 has 1 MA's), (Start: 124 @26390 has 117 MA's), (Start: 150 @26336 has 14 MA's), (Start: 170 @26267 has 6 MA's), (186, 26222), (227, 26096), (240, 26048), (243, 26039), (252, 26003), (284, 25949), (285, 25946), (320, 25823), (325, 25805), (336, 25775), (354, 25721), (359, 25715), (367, 25703), (390, 25628), (392, 25622), (399, 25601), (406, 25586), (412, 25568), (423, 25541), (475, 25430), (487, 25382), (493, 25352), (494, 25346), (496, 25334), (508, 25295),

Gene: Cullens_36 Start: 26789, Stop: 25644, Start Num: 124

Candidate Starts for Cullens_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: Cynthia_37 Start: 27764, Stop: 28957, Start Num: 74

Candidate Starts for Cynthia_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: D29_33 Start: 26474, Stop: 25350, Start Num: 124

Candidate Starts for D29_33:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (237, 26147), (243, 26123), (252, 26087), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (348, 25817), (359, 25799), (367, 25787), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: D32_37 Start: 26474, Stop: 25350, Start Num: 124

Candidate Starts for D32_37:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (237, 26147), (243, 26123), (252, 26087), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (348, 25817), (359, 25799), (367, 25787), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: DBQu4n_37 Start: 26474, Stop: 25350, Start Num: 124

Candidate Starts for DBQu4n_37:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (243, 26123), (252, 26087), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (348, 25817), (359, 25799), (367, 25787), (382, 25748), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: DLane_41 Start: 32255, Stop: 33373, Start Num: 131

Candidate Starts for DLane_41:

(Start: 131 @32255 has 287 MA's), (193, 32426), (240, 32591), (250, 32627), (252, 32636), (309, 32810), (320, 32849), (327, 32870), (332, 32882), (333, 32885), (336, 32897), (346, 32936), (349, 32942), (363, 32963), (381, 32999), (382, 33002), (390, 33038), (392, 33044), (397, 33059), (438, 33143), (447, 33158), (473, 33200), (483, 33245), (486, 33254), (494, 33293), (497, 33311), (503, 33332), (509, 33347), (511, 33356), (512, 33359),

Gene: DRBy19_43 Start: 32003, Stop: 33121, Start Num: 131

Candidate Starts for DRBy19_43:

(Start: 131 @32003 has 287 MA's), (182, 32141), (193, 32174), (209, 32222), (240, 32339), (250, 32375), (252, 32384), (292, 32489), (309, 32558), (327, 32618), (332, 32630), (333, 32633), (336, 32645), (339, 32660), (346, 32684), (349, 32690), (363, 32711), (381, 32747), (382, 32750), (390, 32786), (392, 32792), (396, 32804), (397, 32807), (438, 32891), (447, 32906), (473, 32948), (483, 32993), (486, 33002), (494, 33041), (497, 33059), (503, 33080), (509, 33095), (511, 33104), (512, 33107),

Gene: DaHudson_36 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for DaHudson_36:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Dalmatian_35 Start: 26758, Stop: 25637, Start Num: 124

Candidate Starts for Dalmatian_35:

(Start: 85 @26821 has 1 MA's), (Start: 124 @26758 has 117 MA's), (Start: 150 @26704 has 14 MA's), (Start: 170 @26635 has 6 MA's), (186, 26590), (236, 26434), (252, 26371), (289, 26302), (303, 26260), (307, 26236), (325, 26173), (359, 26083), (367, 26071), (390, 25996), (392, 25990), (399, 25969), (406, 25954), (412, 25936), (423, 25909), (475, 25798), (486, 25753), (487, 25750), (488, 25747), (493, 25720), (494, 25714), (496, 25702), (508, 25663),

Gene: Dalmuri_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Dalmuri_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Dartin_43 Start: 33014, Stop: 34105, Start Num: 131

Candidate Starts for Dartin_43:

(11, 32333), (18, 32477), (29, 32681), (42, 32780), (43, 32789), (48, 32816), (62, 32864), (Start: 131 @33014 has 287 MA's), (Start: 150 @33065 has 14 MA's), (181, 33140), (193, 33176), (229, 33290), (236, 33314), (250, 33368), (289, 33452), (296, 33485), (307, 33521), (308, 33524), (320, 33566), (346, 33653), (359, 33674), (396, 33782), (427, 33842), (464, 33905), (471, 33917), (495, 34025), (504, 34061),

Gene: DeadP_46 Start: 32604, Stop: 33707, Start Num: 131

Candidate Starts for DeadP_46:

(Start: 131 @32604 has 287 MA's), (Start: 150 @32652 has 14 MA's), (182, 32733), (189, 32760), (250, 32973), (263, 32997), (285, 33045), (307, 33126), (329, 33195), (332, 33204), (339, 33234), (346, 33258), (359, 33279), (389, 33357), (392, 33372), (421, 33432), (438, 33471), (447, 33486), (460, 33510), (473, 33537), (480, 33561), (483, 33582), (486, 33591), (495, 33636), (497, 33648),

Gene: Deby_41 Start: 32726, Stop: 33811, Start Num: 131

Candidate Starts for Deby_41:

(Start: 131 @32726 has 287 MA's), (Start: 170 @32828 has 6 MA's), (174, 32837), (181, 32852), (193, 32888), (236, 33026), (250, 33080), (289, 33164), (307, 33233), (308, 33236), (359, 33386), (396, 33491), (438, 33578), (471, 33626), (504, 33770),

Gene: Denise_35 Start: 27272, Stop: 28351, Start Num: 131

Candidate Starts for Denise_35:

(Start: 131 @27272 has 287 MA's), (191, 27428), (245, 27608), (320, 27821), (334, 27860), (336, 27869), (392, 28025), (447, 28148), (480, 28208), (511, 28340),

Gene: Devera_45 Start: 33261, Stop: 34349, Start Num: 131

Candidate Starts for Devera_45:

(Start: 131 @33261 has 287 MA's), (Start: 170 @33363 has 6 MA's), (181, 33387), (193, 33423), (215, 33474), (229, 33537), (236, 33561), (250, 33615), (251, 33618), (289, 33699), (307, 33768), (308, 33771), (359, 33921), (389, 33999), (396, 34026), (471, 34161),

Gene: Dieselweasel_36 Start: 26792, Stop: 25647, Start Num: 124

Candidate Starts for Dieselweasel_36:

(Start: 124 @26792 has 117 MA's), (Start: 144 @26753 has 10 MA's), (159, 26705), (Start: 170 @26669 has 6 MA's), (186, 26624), (236, 26468), (243, 26441), (252, 26405), (285, 26348), (307, 26270), (315, 26246), (325, 26207), (348, 26135), (354, 26123), (359, 26117), (367, 26105), (390, 26030), (392, 26024), (399, 26003), (406, 25988), (412, 25970), (422, 25946), (475, 25832), (486,

25787), (487, 25784), (490, 25775), (493, 25754), (494, 25748), (496, 25736), (508, 25697),

Gene: Dignity_35 Start: 26759, Stop: 25632, Start Num: 116

Candidate Starts for Dignity_35:

(Start: 104 @26777 has 7 MA's), (Start: 116 @26759 has 7 MA's), (Start: 156 @26675 has 8 MA's), (Start: 170 @26627 has 6 MA's), (186, 26582), (243, 26399), (252, 26363), (285, 26306), (289, 26294), (318, 26195), (320, 26183), (325, 26165), (359, 26075), (390, 25988), (392, 25982), (399, 25961), (406, 25946), (412, 25928), (423, 25901), (475, 25790), (487, 25742), (488, 25739), (493, 25712), (494, 25706), (496, 25694), (508, 25655),

Gene: DillyDally_29 Start: 24117, Stop: 22978, Start Num: 147

Candidate Starts for DillyDally_29:

(60, 24321), (147, 24117), (173, 24021), (208, 23913), (209, 23907), (217, 23883), (231, 23829), (246, 23766), (250, 23754), (252, 23745), (265, 23724), (289, 23679), (298, 23640), (313, 23595), (315, 23586), (319, 23571), (364, 23451), (369, 23439), (396, 23361), (441, 23247), (483, 23160), (489, 23142), (509, 23058), (523, 22986),

Gene: DinoDaryn_38 Start: 27370, Stop: 26255, Start Num: 149

Candidate Starts for DinoDaryn_38:

(Start: 149 @27370 has 12 MA's), (251, 27031), (262, 26998), (348, 26704), (352, 26692), (428, 26512), (490, 26341), (494, 26314),

Gene: DismalFunk_43 Start: 34317, Stop: 35417, Start Num: 131

Candidate Starts for DismalFunk_43:

(Start: 131 @34317 has 287 MA's), (137, 34335), (181, 34443), (193, 34479), (229, 34593), (236, 34617), (250, 34671), (302, 34812), (307, 34836), (308, 34839), (320, 34881), (359, 34989), (396, 35094), (418, 35139), (427, 35154), (495, 35346),

Gene: DismalStressor_43 Start: 34317, Stop: 35417, Start Num: 131

Candidate Starts for DismalStressor_43:

(Start: 131 @34317 has 287 MA's), (137, 34335), (181, 34443), (193, 34479), (229, 34593), (236, 34617), (250, 34671), (302, 34812), (307, 34836), (308, 34839), (320, 34881), (359, 34989), (396, 35094), (418, 35139), (427, 35154), (495, 35346),

Gene: DoRead_44 Start: 32140, Stop: 33258, Start Num: 131

Candidate Starts for DoRead_44:

(Start: 131 @32140 has 287 MA's), (182, 32278), (193, 32311), (209, 32359), (250, 32512), (252, 32521), (285, 32602), (309, 32695), (327, 32755), (332, 32767), (333, 32770), (339, 32797), (346, 32821), (363, 32848), (381, 32884), (382, 32887), (390, 32923), (404, 32959), (438, 33028), (447, 33043), (483, 33130), (486, 33139), (490, 33151), (494, 33178), (497, 33196), (503, 33217), (509, 33232), (511, 33241), (512, 33244),

Gene: DobbysSock_31 Start: 27501, Stop: 28628, Start Num: 131

Candidate Starts for DobbysSock_31:

(46, 27282), (52, 27318), (Start: 131 @27501 has 287 MA's), (Start: 150 @27555 has 14 MA's), (204, 27711), (230, 27801), (238, 27834), (307, 28029), (308, 28032), (320, 28074), (333, 28110), (449, 28407), (480, 28485), (490, 28527), (494, 28554), (511, 28617),

Gene: Dole_44 Start: 33263, Stop: 34351, Start Num: 131

Candidate Starts for Dole_44:

(Start: 131 @33263 has 287 MA's), (Start: 170 @33365 has 6 MA's), (181, 33389), (193, 33425), (215, 33476), (229, 33539), (236, 33563), (250, 33617), (251, 33620), (289, 33701), (307, 33770), (308, 33773), (359, 33923), (389, 34001), (396, 34028), (471, 34163),

Gene: Dolores_40 Start: 29868, Stop: 30995, Start Num: 131

Candidate Starts for Dolores_40:

(107, 29829), (Start: 131 @29868 has 287 MA's), (Start: 150 @29922 has 14 MA's), (191, 30045), (204, 30078), (230, 30168), (238, 30201), (307, 30396), (308, 30399), (320, 30441), (333, 30477), (449, 30774), (480, 30852), (485, 30879), (490, 30894), (494, 30921), (511, 30984),

Gene: Donkeykong_41 Start: 32106, Stop: 33224, Start Num: 131

Candidate Starts for Donkeykong_41:

(Start: 131 @32106 has 287 MA's), (135, 32115), (182, 32244), (193, 32277), (209, 32325), (240, 32442), (250, 32478), (252, 32487), (285, 32568), (292, 32592), (309, 32661), (320, 32700), (327, 32721), (332, 32733), (333, 32736), (336, 32748), (346, 32787), (349, 32793), (363, 32814), (381, 32850), (382, 32853), (390, 32889), (392, 32895), (396, 32907), (397, 32910), (438, 32994), (447, 33009), (463, 33027), (483, 33096), (486, 33105), (494, 33144), (497, 33162), (503, 33183), (509, 33198), (511, 33207), (512, 33210),

Gene: Dorito_34 Start: 27145, Stop: 28272, Start Num: 131

Candidate Starts for Dorito_34:

(46, 26926), (52, 26962), (Start: 131 @27145 has 287 MA's), (Start: 150 @27199 has 14 MA's), (191, 27322), (204, 27355), (230, 27445), (238, 27478), (307, 27673), (308, 27676), (320, 27718), (333, 27754), (449, 28051), (480, 28129), (490, 28171), (494, 28198), (511, 28261),

Gene: DosHalletts_40 Start: 31274, Stop: 32392, Start Num: 131

Candidate Starts for DosHalletts_40:

(Start: 131 @31274 has 287 MA's), (193, 31445), (209, 31493), (250, 31646), (252, 31655), (285, 31736), (292, 31760), (309, 31829), (327, 31889), (332, 31901), (333, 31904), (336, 31916), (339, 31931), (346, 31955), (349, 31961), (363, 31982), (381, 32018), (382, 32021), (390, 32057), (392, 32063), (396, 32075), (397, 32078), (404, 32093), (438, 32162), (447, 32177), (473, 32219), (483, 32264), (486, 32273), (494, 32312), (497, 32330), (503, 32351), (509, 32366), (511, 32375), (512, 32378),

Gene: Doughnut_44 Start: 34142, Stop: 35242, Start Num: 131

Candidate Starts for Doughnut_44:

(Start: 131 @34142 has 287 MA's), (137, 34160), (Start: 150 @34193 has 14 MA's), (181, 34268), (193, 34304), (229, 34418), (236, 34442), (250, 34496), (302, 34637), (307, 34661), (308, 34664), (320, 34706), (359, 34814), (396, 34919), (418, 34964), (427, 34979), (495, 35171),

Gene: DrHayes_42 Start: 33376, Stop: 34464, Start Num: 131

Candidate Starts for DrHayes_42:

(44, 33154), (Start: 131 @33376 has 287 MA's), (Start: 150 @33427 has 14 MA's), (Start: 170 @33478 has 6 MA's), (181, 33502), (193, 33538), (229, 33652), (250, 33730), (289, 33814), (307, 33883), (308, 33886), (359, 34036), (396, 34141), (471, 34276), (504, 34420),

Gene: Drake55_36 Start: 26836, Stop: 25769, Start Num: 150

Candidate Starts for Drake55_36:

(Start: 85 @26953 has 1 MA's), (Start: 124 @26890 has 117 MA's), (Start: 150 @26836 has 14 MA's), (Start: 170 @26767 has 6 MA's), (186, 26722), (188, 26716), (215, 26650), (228, 26593), (252, 26503), (303, 26392), (307, 26368), (318, 26335), (320, 26323), (359, 26215), (361, 26212), (390, 26128), (392, 26122), (399, 26101), (406, 26086), (412, 26068), (487, 25882), (493, 25852), (494, 25846), (496, 25834), (508, 25795),

Gene: DropBear_33 Start: 26364, Stop: 25237, Start Num: 124

Candidate Starts for DropBear_33:

(Start: 124 @26364 has 117 MA's), (159, 26277), (Start: 170 @26241 has 6 MA's), (186, 26196), (209, 26136), (236, 26040), (238, 26028), (240, 26022), (252, 25977), (284, 25923), (285, 25920), (291, 25896), (348, 25707), (359, 25689), (367, 25677), (382, 25638), (390, 25602), (392, 25596), (399, 25575), (406, 25560), (412, 25542), (475, 25404), (487, 25356), (493, 25326), (494, 25320), (496, 25308), (508, 25269),

Gene: DudeLittle_33 Start: 26423, Stop: 25302, Start Num: 127

Candidate Starts for DudeLittle_33:

(110, 26453), (Start: 127 @26423 has 10 MA's), (Start: 150 @26372 has 14 MA's), (Start: 170 @26303 has 6 MA's), (186, 26258), (236, 26102), (243, 26075), (252, 26039), (281, 25997), (285, 25982), (307, 25904), (318, 25871), (320, 25859), (325, 25841), (359, 25751), (367, 25739), (390, 25664), (392, 25658), (399, 25637), (406, 25622), (412, 25604), (423, 25577), (427, 25568), (487, 25418), (488, 25415), (493, 25388), (494, 25382), (496, 25370), (508, 25331),

Gene: Duplo_37 Start: 26512, Stop: 25388, Start Num: 124

Candidate Starts for Duplo_37:

(Start: 124 @26512 has 117 MA's), (Start: 150 @26458 has 14 MA's), (Start: 170 @26389 has 6 MA's), (236, 26188), (243, 26161), (252, 26125), (284, 26071), (285, 26068), (292, 26041), (307, 25990), (318, 25957), (320, 25945), (325, 25927), (348, 25855), (359, 25837), (367, 25825), (382, 25786), (390, 25750), (392, 25744), (399, 25723), (406, 25708), (412, 25690), (423, 25663), (475, 25552), (487, 25504), (488, 25501), (493, 25474), (494, 25468), (496, 25456), (508, 25417),

Gene: Durfee_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for Durfee_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: EMSquaredA_37 Start: 30030, Stop: 31136, Start Num: 131

Candidate Starts for EMSquaredA_37:

(Start: 96 @29973 has 3 MA's), (Start: 131 @30030 has 287 MA's), (Start: 150 @30081 has 14 MA's), (191, 30186), (194, 30195), (208, 30225), (287, 30459), (289, 30465), (307, 30534), (308, 30537), (318, 30567), (333, 30618), (336, 30630), (421, 30858), (447, 30918), (480, 30993), (486, 31023), (511, 31125),

Gene: Eagle_32 Start: 26273, Stop: 25152, Start Num: 124

Candidate Starts for Eagle_32:

(Start: 96 @26318 has 3 MA's), (Start: 115 @26291 has 1 MA's), (Start: 124 @26273 has 117 MA's), (Start: 156 @26204 has 8 MA's), (Start: 170 @26150 has 6 MA's), (240, 25931), (243, 25922), (252, 25886), (281, 25844), (284, 25832), (285, 25829), (307, 25751), (348, 25616), (359, 25598), (390, 25511), (392, 25505), (399, 25484), (406, 25469), (412, 25451), (475, 25313), (487, 25265), (493, 25235), (494, 25229), (496, 25217), (508, 25178),

Gene: Ebert_39 Start: 27799, Stop: 28881, Start Num: 130

Candidate Starts for Ebert_39:

(Start: 72 @27682 has 2 MA's), (Start: 74 @27688 has 6 MA's), (Start: 130 @27799 has 52 MA's), (Start: 150 @27853 has 14 MA's), (197, 27973), (284, 28228), (292, 28258), (308, 28318), (329, 28384), (336, 28408), (365, 28477), (381, 28513), (480, 28738), (485, 28765), (511, 28870),

Gene: Ecliptus_49 Start: 33668, Stop: 34762, Start Num: 131

Candidate Starts for Ecliptus_49:

(100, 33623), (Start: 131 @33668 has 287 MA's), (Start: 150 @33719 has 14 MA's), (182, 33797), (191, 33824), (240, 33983), (250, 34019), (282, 34079), (284, 34088), (285, 34091), (289, 34103), (292, 34118), (293, 34121), (310, 34184), (320, 34220), (332, 34253), (333, 34256), (336, 34268),

(346, 34307), (413, 34463), (447, 34535), (480, 34595), (493, 34658), (495, 34670), (512, 34730),

Gene: EdnaMode_33 Start: 26384, Stop: 27466, Start Num: 130

Candidate Starts for EdnaMode_33:

(Start: 74 @26273 has 6 MA's), (Start: 130 @26384 has 52 MA's), (Start: 150 @26438 has 14 MA's), (197, 26558), (284, 26813), (292, 26843), (308, 26903), (329, 26969), (336, 26993), (480, 27323), (485, 27350), (511, 27455),

Gene: Efra2_44 Start: 32569, Stop: 33669, Start Num: 131

Candidate Starts for Efra2_44:

(Start: 131 @32569 has 287 MA's), (Start: 150 @32620 has 14 MA's), (181, 32695), (193, 32731), (194, 32734), (229, 32845), (302, 33064), (307, 33088), (308, 33091), (346, 33220), (359, 33241), (396, 33346), (438, 33433), (471, 33481), (482, 33529),

Gene: Eileen_34 Start: 24892, Stop: 26034, Start Num: 131

Candidate Starts for Eileen_34:

(Start: 131 @24892 has 287 MA's), (248, 25246), (250, 25252), (254, 25267), (278, 25321), (292, 25378), (307, 25438), (308, 25441), (317, 25468), (336, 25531), (382, 25651), (393, 25699), (446, 25825), (454, 25837), (486, 25933), (501, 26008),

Gene: EleanorGeorge_40 Start: 31639, Stop: 32757, Start Num: 131

Candidate Starts for EleanorGeorge_40:

(Start: 131 @31639 has 287 MA's), (135, 31648), (193, 31810), (240, 31975), (250, 32011), (252, 32020), (292, 32125), (309, 32194), (320, 32233), (325, 32251), (327, 32254), (332, 32266), (333, 32269), (336, 32281), (339, 32296), (346, 32320), (349, 32326), (363, 32347), (381, 32383), (382, 32386), (390, 32422), (392, 32428), (397, 32443), (404, 32458), (438, 32527), (447, 32542), (473, 32584), (483, 32629), (486, 32638), (494, 32677), (497, 32695), (503, 32716), (509, 32731), (511, 32740), (512, 32743),

Gene: Emerson_42 Start: 32470, Stop: 33558, Start Num: 131

Candidate Starts for Emerson_42:

(Start: 131 @32470 has 287 MA's), (Start: 150 @32521 has 14 MA's), (Start: 170 @32572 has 6 MA's), (181, 32596), (193, 32632), (236, 32770), (250, 32824), (289, 32908), (307, 32977), (308, 32980), (359, 33130), (389, 33208), (396, 33235), (438, 33322), (471, 33370),

Gene: Emma_44 Start: 32666, Stop: 33784, Start Num: 131

Candidate Starts for Emma_44:

(Start: 131 @32666 has 287 MA's), (135, 32675), (193, 32837), (209, 32885), (240, 33002), (250, 33038), (252, 33047), (292, 33152), (309, 33221), (320, 33260), (325, 33278), (327, 33281), (332, 33293), (333, 33296), (336, 33308), (339, 33323), (346, 33347), (349, 33353), (363, 33374), (381, 33410), (382, 33413), (390, 33449), (392, 33455), (396, 33467), (397, 33470), (404, 33485), (438, 33554), (447, 33569), (463, 33587), (473, 33611), (483, 33656), (486, 33665), (494, 33704), (497, 33722), (503, 33743), (509, 33758), (511, 33767), (512, 33770),

Gene: EnalisNailo_35 Start: 31003, Stop: 32085, Start Num: 130

Candidate Starts for EnalisNailo_35:

(Start: 130 @31003 has 52 MA's), (Start: 175 @31120 has 1 MA's), (209, 31213), (284, 31435), (294, 31471), (308, 31525), (330, 31594), (333, 31603), (480, 31942), (485, 31969), (511, 32074),

Gene: Enby_42 Start: 31168, Stop: 32286, Start Num: 131

Candidate Starts for Enby_42:

(Start: 131 @31168 has 287 MA's), (135, 31177), (193, 31339), (240, 31504), (250, 31540), (252, 31549), (285, 31630), (292, 31654), (309, 31723), (320, 31762), (325, 31780), (327, 31783), (332,

31795), (333, 31798), (336, 31810), (346, 31849), (349, 31855), (363, 31876), (381, 31912), (382, 31915), (390, 31951), (392, 31957), (397, 31972), (438, 32056), (447, 32071), (463, 32089), (483, 32158), (486, 32167), (494, 32206), (497, 32224), (503, 32245), (509, 32260), (511, 32269), (512, 32272),

Gene: Enkosi_39 Start: 34589, Stop: 35683, Start Num: 131

Candidate Starts for Enkosi_39:

(25, 34238), (27, 34253), (39, 34346), (44, 34367), (70, 34460), (Start: 131 @34589 has 287 MA's), (Start: 150 @34640 has 14 MA's), (181, 34715), (193, 34751), (224, 34847), (229, 34865), (236, 34889), (248, 34937), (250, 34943), (300, 35075), (307, 35108), (320, 35153), (359, 35261), (396, 35366), (427, 35426), (471, 35501), (495, 35609), (504, 35645),

Gene: EpicPhail_36 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for EpicPhail_36:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: Equemioh13_35 Start: 26811, Stop: 25678, Start Num: 124

Candidate Starts for Equemioh13_35:

(Start: 124 @26811 has 117 MA's), (Start: 150 @26757 has 14 MA's), (Start: 170 @26688 has 6 MA's), (186, 26643), (236, 26487), (243, 26460), (252, 26424), (285, 26367), (320, 26244), (325, 26226), (359, 26136), (367, 26124), (390, 26049), (392, 26043), (399, 26022), (406, 26007), (412, 25989), (423, 25962), (427, 25953), (475, 25851), (487, 25803), (493, 25773), (494, 25767), (496, 25755), (508, 25716),

Gene: Estave1_43 Start: 31907, Stop: 33010, Start Num: 131

Candidate Starts for Estave1_43:

(Start: 131 @31907 has 287 MA's), (Start: 150 @31955 has 14 MA's), (182, 32036), (189, 32063), (250, 32276), (263, 32300), (285, 32348), (307, 32429), (329, 32498), (332, 32507), (339, 32537), (346, 32561), (359, 32582), (389, 32660), (392, 32675), (421, 32735), (438, 32774), (447, 32789), (460, 32813), (473, 32840), (480, 32864), (483, 32885), (486, 32894), (495, 32939), (497, 32951),

Gene: Eudoria_39 Start: 30563, Stop: 31645, Start Num: 130

Candidate Starts for Eudoria_39:

(Start: 74 @30452 has 6 MA's), (Start: 130 @30563 has 52 MA's), (Start: 150 @30617 has 14 MA's), (197, 30737), (284, 30992), (292, 31022), (308, 31082), (329, 31148), (336, 31172), (480, 31502), (485, 31529), (511, 31634),

Gene: Eurydice_33 Start: 26248, Stop: 25127, Start Num: 124

Candidate Starts for Eurydice_33:

(Start: 96 @26293 has 3 MA's), (Start: 115 @26266 has 1 MA's), (Start: 124 @26248 has 117 MA's), (Start: 156 @26179 has 8 MA's), (Start: 170 @26125 has 6 MA's), (240, 25906), (243, 25897), (252, 25861), (281, 25819), (284, 25807), (285, 25804), (307, 25726), (348, 25591), (359, 25573), (390, 25486), (392, 25480), (399, 25459), (406, 25444), (412, 25426), (475, 25288), (487, 25240), (493, 25210), (494, 25204), (496, 25192), (508, 25153),

Gene: EvePickles_38 Start: 28599, Stop: 27466, Start Num: 131

Candidate Starts for EvePickles_38:

(50, 28782), (59, 28752), (Start: 131 @28599 has 287 MA's), (Start: 150 @28548 has 14 MA's), (192, 28434), (209, 28392), (215, 28380), (220, 28362), (247, 28248), (259, 28230), (281, 28167), (285,

28152), (289, 28140), (307, 28065), (310, 28056), (329, 27996), (351, 27921), (360, 27906), (413, 27756), (416, 27753), (473, 27636), (480, 27612), (482, 27597), (494, 27543), (498, 27522), (508, 27492),

Gene: Eviarto_39 Start: 31988, Stop: 33070, Start Num: 130

Candidate Starts for Eviarto_39:

(Start: 74 @31877 has 6 MA's), (Start: 130 @31988 has 52 MA's), (Start: 150 @32042 has 14 MA's), (197, 32162), (282, 32408), (284, 32417), (292, 32447), (308, 32507), (329, 32573), (336, 32597), (480, 32927), (485, 32954), (511, 33059),

Gene: EvilGenius_36 Start: 28005, Stop: 27007, Start Num: 170

Candidate Starts for EvilGenius_36:

(Start: 104 @28152 has 7 MA's), (Start: 116 @28134 has 7 MA's), (Start: 156 @28053 has 8 MA's), (Start: 170 @28005 has 6 MA's), (186, 27960), (236, 27804), (243, 27777), (252, 27741), (285, 27684), (307, 27606), (318, 27573), (320, 27561), (325, 27543), (359, 27453), (367, 27441), (390, 27366), (392, 27360), (399, 27339), (406, 27324), (412, 27306), (423, 27279), (427, 27270), (475, 27168), (487, 27120), (488, 27117), (493, 27090), (494, 27084), (496, 27072), (508, 27033),

Gene: Faith5x5_30 Start: 24997, Stop: 26145, Start Num: 89

Candidate Starts for Faith5x5_30:

(Start: 89 @24997 has 1 MA's), (109, 25027), (Start: 128 @25060 has 7 MA's), (163, 25147), (191, 25219), (320, 25615), (333, 25651), (334, 25654), (336, 25663), (382, 25777), (447, 25942), (480, 26002), (495, 26077), (511, 26134),

Gene: Faja_39 Start: 29043, Stop: 27904, Start Num: 131

Candidate Starts for Faja_39:

(Start: 131 @29043 has 287 MA's), (Start: 150 @28992 has 14 MA's), (215, 28824), (220, 28806), (259, 28674), (285, 28596), (289, 28584), (290, 28578), (307, 28509), (310, 28500), (329, 28440), (360, 28350), (397, 28245), (405, 28224), (416, 28197), (473, 28074), (480, 28050), (482, 28035), (508, 27930),

Gene: Fameo_34 Start: 26494, Stop: 25430, Start Num: 150

Candidate Starts for Fameo_34:

(110, 26575), (Start: 127 @26545 has 10 MA's), (Start: 150 @26494 has 14 MA's), (Start: 170 @26425 has 6 MA's), (186, 26380), (236, 26224), (243, 26197), (252, 26161), (285, 26104), (307, 26026), (318, 25993), (320, 25981), (325, 25963), (359, 25873), (367, 25861), (392, 25780), (399, 25759), (406, 25744), (412, 25726), (423, 25699), (475, 25588), (486, 25543), (487, 25540), (488, 25537), (493, 25510), (494, 25504), (496, 25492), (508, 25453),

Gene: Farber_36 Start: 26744, Stop: 25638, Start Num: 144

Candidate Starts for Farber_36:

(Start: 124 @26783 has 117 MA's), (Start: 144 @26744 has 10 MA's), (Start: 170 @26660 has 6 MA's), (186, 26615), (236, 26459), (243, 26432), (252, 26396), (285, 26339), (307, 26261), (315, 26237), (325, 26198), (348, 26126), (354, 26114), (359, 26108), (367, 26096), (390, 26021), (392, 26015), (399, 25994), (406, 25979), (412, 25961), (422, 25937), (475, 25823), (486, 25778), (487, 25775), (490, 25766), (493, 25745), (494, 25739), (496, 25727), (508, 25688),

Gene: Farewell_44 Start: 33396, Stop: 34574, Start Num: 133

Candidate Starts for Farewell_44:

(Start: 133 @33396 has 2 MA's), (Start: 150 @33444 has 14 MA's), (177, 33510), (193, 33555), (238, 33705), (250, 33747), (289, 33861), (294, 33888), (307, 33936), (308, 33939), (333, 34020), (336, 34032), (379, 34137), (390, 34179), (394, 34194), (402, 34209), (416, 34233), (471, 34344), (485, 34404), (503, 34485), (508, 34497), (518, 34536),

Gene: Fernando_36 Start: 26750, Stop: 25644, Start Num: 144

Candidate Starts for Fernando_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: Filuzino_41 Start: 31324, Stop: 32442, Start Num: 131

Candidate Starts for Filuzino_41:

(Start: 131 @31324 has 287 MA's), (193, 31495), (240, 31660), (250, 31696), (252, 31705), (292, 31810), (309, 31879), (320, 31918), (327, 31939), (332, 31951), (333, 31954), (336, 31966), (339, 31981), (346, 32005), (349, 32011), (363, 32032), (381, 32068), (382, 32071), (390, 32107), (392, 32113), (397, 32128), (404, 32143), (438, 32212), (447, 32227), (463, 32245), (473, 32269), (483, 32314), (486, 32323), (494, 32362), (497, 32380), (503, 32401), (509, 32416), (511, 32425), (512, 32428),

Gene: Findley_43 Start: 34310, Stop: 35410, Start Num: 131

Candidate Starts for Findley_43:

(Start: 131 @34310 has 287 MA's), (137, 34328), (Start: 150 @34361 has 14 MA's), (181, 34436), (193, 34472), (229, 34586), (236, 34610), (250, 34664), (302, 34805), (307, 34829), (308, 34832), (320, 34874), (359, 34982), (396, 35087), (418, 35132), (427, 35147), (495, 35339),

Gene: Finkle_45 Start: 32773, Stop: 31643, Start Num: 154

Candidate Starts for Finkle_45:

(132, 32830), (Start: 154 @32773 has 2 MA's), (159, 32749), (167, 32716), (219, 32554), (252, 32419), (253, 32416), (277, 32350), (298, 32266), (303, 32257), (308, 32230), (320, 32188), (329, 32161), (370, 32056), (399, 31972), (435, 31870), (459, 31846), (481, 31795), (483, 31777), (489, 31759), (493, 31735), (495, 31723),

Gene: FiringLine_34 Start: 26370, Stop: 25255, Start Num: 127

Candidate Starts for FiringLine_34:

(110, 26400), (Start: 127 @26370 has 10 MA's), (Start: 170 @26250 has 6 MA's), (186, 26205), (236, 26049), (243, 26022), (252, 25986), (281, 25944), (285, 25929), (318, 25818), (320, 25806), (325, 25788), (359, 25698), (367, 25686), (390, 25611), (392, 25605), (399, 25584), (406, 25569), (412, 25551), (423, 25524), (427, 25515), (475, 25413), (486, 25368), (487, 25365), (488, 25362), (493, 25335), (494, 25329), (496, 25317), (508, 25278),

Gene: Flare16_34 Start: 26449, Stop: 25382, Start Num: 150

Candidate Starts for Flare16_34:

(Start: 85 @26566 has 1 MA's), (Start: 124 @26503 has 117 MA's), (Start: 150 @26449 has 14 MA's), (Start: 170 @26380 has 6 MA's), (186, 26335), (227, 26209), (243, 26152), (252, 26116), (284, 26062), (285, 26059), (320, 25936), (325, 25918), (359, 25828), (367, 25816), (390, 25741), (392, 25735), (399, 25714), (406, 25699), (412, 25681), (423, 25654), (487, 25495), (493, 25465), (494, 25459), (496, 25447), (508, 25408),

Gene: Flathead_44 Start: 33580, Stop: 34698, Start Num: 131

Candidate Starts for Flathead_44:

(Start: 131 @33580 has 287 MA's), (135, 33589), (193, 33751), (240, 33916), (250, 33952), (252, 33961), (292, 34066), (309, 34135), (320, 34174), (325, 34192), (327, 34195), (332, 34207), (333, 34210), (336, 34222), (339, 34237), (346, 34261), (349, 34267), (363, 34288), (381, 34324), (382, 34327), (390, 34363), (392, 34369), (396, 34381), (397, 34384), (438, 34468), (447, 34483), (463,

34501), (473, 34525), (483, 34570), (486, 34579), (494, 34618), (497, 34636), (503, 34657), (509, 34672), (511, 34681), (512, 34684),

Gene: Floral_36 Start: 32103, Stop: 33209, Start Num: 131

Candidate Starts for Floral_36:

(Start: 96 @32046 has 3 MA's), (Start: 131 @32103 has 287 MA's), (Start: 150 @32154 has 14 MA's), (191, 32259), (208, 32298), (289, 32538), (307, 32607), (308, 32610), (318, 32640), (333, 32691), (336, 32703), (421, 32931), (447, 32991), (480, 33066), (486, 33096), (511, 33198),

Gene: Footloose_31 Start: 22512, Stop: 21292, Start Num: 131

Candidate Starts for Footloose_31:

(Start: 131 @22512 has 287 MA's), (146, 22473), (153, 22455), (157, 22437), (180, 22386), (190, 22350), (222, 22254), (243, 22170), (250, 22143), (259, 22119), (272, 22077), (277, 22062), (289, 22017), (298, 21978), (307, 21945), (329, 21879), (330, 21876), (336, 21855), (360, 21789), (397, 21687), (402, 21678), (411, 21648), (420, 21621), (432, 21594), (443, 21567), (449, 21555), (459, 21537), (473, 21501), (480, 21477), (494, 21408), (497, 21390), (504, 21366), (512, 21342),

Gene: FosterFrank_40 Start: 26544, Stop: 27686, Start Num: 131

Candidate Starts for FosterFrank_40:

(65, 26397), (69, 26409), (71, 26418), (79, 26451), (106, 26499), (Start: 116 @26514 has 7 MA's), (Start: 131 @26544 has 287 MA's), (248, 26898), (250, 26904), (255, 26922), (292, 27030), (307, 27090), (336, 27183), (382, 27303), (393, 27351), (405, 27381), (446, 27477), (486, 27585), (501, 27660),

Gene: Fred313_33 Start: 26049, Stop: 24922, Start Num: 124

Candidate Starts for Fred313_33:

(Start: 124 @26049 has 117 MA's), (159, 25962), (Start: 170 @25926 has 6 MA's), (186, 25881), (209, 25821), (236, 25725), (238, 25713), (240, 25707), (252, 25662), (284, 25608), (285, 25605), (291, 25581), (348, 25392), (359, 25374), (367, 25362), (382, 25323), (390, 25287), (392, 25281), (399, 25260), (406, 25245), (412, 25227), (475, 25089), (487, 25041), (493, 25011), (494, 25005), (496, 24993), (508, 24954),

Gene: Frickyeah_52 Start: 32012, Stop: 33106, Start Num: 131

Candidate Starts for Frickyeah_52:

(81, 31925), (101, 31961), (Start: 131 @32012 has 287 MA's), (Start: 150 @32063 has 14 MA's), (180, 32135), (182, 32141), (191, 32168), (222, 32255), (240, 32327), (250, 32363), (252, 32372), (289, 32447), (293, 32465), (320, 32564), (332, 32597), (333, 32600), (336, 32612), (382, 32714), (402, 32780), (413, 32807), (447, 32879), (480, 32939), (485, 32966), (512, 33074),

Gene: Fruitloop_40 Start: 32560, Stop: 33678, Start Num: 131

Candidate Starts for Fruitloop_40:

(Start: 131 @32560 has 287 MA's), (193, 32731), (240, 32896), (250, 32932), (252, 32941), (285, 33022), (292, 33046), (309, 33115), (320, 33154), (327, 33175), (332, 33187), (333, 33190), (336, 33202), (339, 33217), (346, 33241), (349, 33247), (363, 33268), (381, 33304), (382, 33307), (390, 33343), (392, 33349), (397, 33364), (404, 33379), (438, 33448), (447, 33463), (473, 33505), (483, 33550), (486, 33559), (494, 33598), (497, 33616), (503, 33637), (509, 33652), (511, 33661), (512, 33664),

Gene: GMA1_30 Start: 24152, Stop: 23064, Start Num: 131

Candidate Starts for GMA1_30:

(Start: 131 @24152 has 287 MA's), (237, 23858), (252, 23798), (285, 23723), (289, 23711), (303, 23663), (307, 23642), (309, 23636), (330, 23567), (333, 23558), (336, 23546), (350, 23498), (389, 23414), (405, 23363), (417, 23336), (427, 23315), (447, 23267), (468, 23249), (480, 23207), (482,

23192), (484, 23183), (485, 23180), (486, 23177), (497, 23120), (511, 23075),

Gene: Gaia_52 Start: 37562, Stop: 38833, Start Num: 93

Candidate Starts for Gaia_52:

(Start: 93 @37562 has 10 MA's), (122, 37610), (Start: 139 @37649 has 1 MA's), (223, 37928), (258, 38045), (281, 38114), (282, 38117), (284, 38126), (292, 38156), (310, 38222), (320, 38258), (331, 38285), (332, 38288), (336, 38303), (337, 38309), (349, 38342), (358, 38357), (360, 38360), (364, 38363), (369, 38375), (376, 38393), (381, 38402), (392, 38444), (393, 38450), (394, 38453), (412, 38498), (438, 38570), (466, 38636), (473, 38663), (492, 38747), (493, 38750), (498, 38777), (504, 38798),

Gene: Galactic_43 Start: 32779, Stop: 33897, Start Num: 131

Candidate Starts for Galactic_43:

(Start: 131 @32779 has 287 MA's), (135, 32788), (193, 32950), (240, 33115), (250, 33151), (252, 33160), (292, 33265), (309, 33334), (320, 33373), (325, 33391), (327, 33394), (332, 33406), (333, 33409), (336, 33421), (339, 33436), (346, 33460), (349, 33466), (363, 33487), (381, 33523), (382, 33526), (390, 33562), (392, 33568), (397, 33583), (404, 33598), (438, 33667), (447, 33682), (473, 33724), (483, 33769), (486, 33778), (494, 33817), (497, 33835), (503, 33856), (509, 33871), (511, 33880), (512, 33883),

Gene: Ganymede_42 Start: 32781, Stop: 33869, Start Num: 131

Candidate Starts for Ganymede_42:

(Start: 131 @32781 has 287 MA's), (Start: 170 @32883 has 6 MA's), (181, 32907), (193, 32943), (236, 33081), (250, 33135), (289, 33219), (307, 33288), (308, 33291), (359, 33441), (396, 33546), (438, 33633), (457, 33663), (471, 33681), (504, 33825),

Gene: GaugeLDP_35 Start: 27254, Stop: 26070, Start Num: 85

Candidate Starts for GaugeLDP_35:

(Start: 85 @27254 has 1 MA's), (Start: 124 @27191 has 117 MA's), (Start: 150 @27137 has 14 MA's), (Start: 170 @27068 has 6 MA's), (186, 27023), (228, 26894), (252, 26804), (303, 26693), (359, 26516), (367, 26504), (390, 26429), (392, 26423), (399, 26402), (406, 26387), (412, 26369), (475, 26231), (487, 26183), (488, 26180), (493, 26153), (494, 26147), (496, 26135), (508, 26096),

Gene: GemG_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for GemG_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (365, 28553), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Gemma_35 Start: 26639, Stop: 25494, Start Num: 124

Candidate Starts for Gemma_35:

(Start: 85 @26702 has 1 MA's), (Start: 124 @26639 has 117 MA's), (Start: 150 @26585 has 14 MA's), (Start: 170 @26516 has 6 MA's), (240, 26297), (243, 26288), (252, 26252), (285, 26195), (307, 26117), (318, 26084), (348, 25982), (359, 25964), (367, 25952), (390, 25877), (392, 25871), (399, 25850), (406, 25835), (412, 25817), (422, 25793), (486, 25634), (487, 25631), (493, 25601), (494, 25595), (496, 25583), (508, 25544),

Gene: Georgie2_35 Start: 26415, Stop: 25300, Start Num: 127

Candidate Starts for Georgie2_35:

(110, 26445), (Start: 127 @26415 has 10 MA's), (Start: 170 @26295 has 6 MA's), (186, 26250), (236, 26094), (243, 26067), (252, 26031), (281, 25989), (285, 25974), (307, 25896), (318, 25863), (320, 25851), (325, 25833), (359, 25743), (367, 25731), (390, 25656), (392, 25650), (399, 25629), (406, 25614), (412, 25596), (423, 25569), (475, 25458), (486, 25413), (487, 25410), (488, 25407), (493,

25380), (494, 25374), (496, 25362), (508, 25323),

Gene: Geraldini_43 Start: 33527, Stop: 34615, Start Num: 131

Candidate Starts for Geraldini_43:

(Start: 131 @33527 has 287 MA's), (Start: 170 @33629 has 6 MA's), (181, 33653), (193, 33689), (236, 33827), (250, 33881), (289, 33965), (307, 34034), (308, 34037), (359, 34187), (396, 34292), (438, 34379), (471, 34427), (504, 34571),

Gene: Getalong_53 Start: 34783, Stop: 35853, Start Num: 131

Candidate Starts for Getalong_53:

(Start: 131 @34783 has 287 MA's), (Start: 150 @34834 has 14 MA's), (182, 34912), (191, 34939), (250, 35134), (252, 35143), (282, 35194), (284, 35203), (285, 35206), (289, 35218), (301, 35263), (310, 35299), (320, 35335), (332, 35368), (333, 35371), (336, 35383), (402, 35551), (447, 35650), (480, 35710), (485, 35737), (486, 35740), (491, 35767), (493, 35773), (495, 35785), (511, 35842),

Gene: GingkoMaracino_36 Start: 26637, Stop: 25531, Start Num: 144

Candidate Starts for GingkoMaracino_36:

(Start: 124 @26676 has 117 MA's), (Start: 144 @26637 has 10 MA's), (159, 26589), (Start: 170 @26553 has 6 MA's), (186, 26508), (236, 26352), (243, 26325), (252, 26289), (285, 26232), (307, 26154), (315, 26130), (325, 26091), (348, 26019), (354, 26007), (359, 26001), (367, 25989), (390, 25914), (392, 25908), (399, 25887), (406, 25872), (412, 25854), (422, 25830), (475, 25716), (486, 25671), (487, 25668), (490, 25659), (493, 25638), (494, 25632), (496, 25620), (508, 25581),

Gene: Giroux_33 Start: 26209, Stop: 25169, Start Num: 159

Candidate Starts for Giroux_33:

(Start: 124 @26296 has 117 MA's), (159, 26209), (Start: 170 @26173 has 6 MA's), (186, 26128), (236, 25972), (238, 25960), (240, 25954), (252, 25909), (284, 25855), (285, 25852), (291, 25828), (359, 25621), (367, 25609), (382, 25570), (390, 25534), (392, 25528), (399, 25507), (406, 25492), (412, 25474), (475, 25336), (487, 25288), (493, 25258), (494, 25252), (496, 25240), (508, 25201),

Gene: Gizermo_37 Start: 27758, Stop: 28957, Start Num: 72

Candidate Starts for Gizermo_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (365, 28553), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Globfish_39 Start: 27492, Stop: 26353, Start Num: 131

Candidate Starts for Globfish_39:

(Start: 131 @27492 has 287 MA's), (Start: 150 @27441 has 14 MA's), (192, 27327), (215, 27273), (220, 27255), (247, 27141), (259, 27123), (285, 27045), (289, 27033), (307, 26958), (310, 26949), (329, 26889), (360, 26799), (396, 26697), (399, 26688), (405, 26673), (413, 26649), (416, 26646), (473, 26529), (480, 26505), (482, 26490), (497, 26418), (498, 26415), (512, 26370),

Gene: GlobiWarming_38 Start: 26068, Stop: 27210, Start Num: 131

Candidate Starts for GlobiWarming_38:

(Start: 131 @26068 has 287 MA's), (248, 26422), (250, 26428), (255, 26446), (292, 26554), (307, 26614), (336, 26707), (382, 26827), (393, 26875), (405, 26905), (446, 27001), (486, 27109), (501, 27184),

Gene: Goib_39 Start: 28036, Stop: 26921, Start Num: 149

Candidate Starts for Goib_39:

(121, 28105), (Start: 149 @28036 has 12 MA's), (251, 27697), (262, 27664), (348, 27370), (352, 27358), (428, 27178), (494, 26980),

Gene: Gonephishing_76 Start: 48662, Stop: 49951, Start Num: 84

Candidate Starts for Gonephishing_76:

(71, 48620), (Start: 84 @48662 has 1 MA's), (Start: 93 @48677 has 10 MA's), (95, 48680), (122, 48725), (Start: 139 @48764 has 1 MA's), (250, 49145), (281, 49229), (285, 49244), (320, 49373), (376, 49493), (396, 49556), (404, 49574), (412, 49598), (438, 49670), (492, 49847), (493, 49850), (494, 49856), (497, 49874), (500, 49889), (504, 49898), (505, 49901), (519, 49946),

Gene: Gorge_43 Start: 32137, Stop: 33255, Start Num: 131

Candidate Starts for Gorge_43:

(Start: 131 @32137 has 287 MA's), (182, 32275), (193, 32308), (209, 32356), (240, 32473), (250, 32509), (252, 32518), (292, 32623), (309, 32692), (327, 32752), (332, 32764), (333, 32767), (336, 32779), (339, 32794), (346, 32818), (349, 32824), (363, 32845), (381, 32881), (382, 32884), (390, 32920), (392, 32926), (396, 32938), (397, 32941), (438, 33025), (447, 33040), (473, 33082), (483, 33127), (486, 33136), (494, 33175), (497, 33193), (503, 33214), (509, 33229), (511, 33238), (512, 33241),

Gene: Gorpy_41 Start: 29001, Stop: 27862, Start Num: 131

Candidate Starts for Gorpy_41:

(Start: 131 @29001 has 287 MA's), (Start: 150 @28950 has 14 MA's), (215, 28782), (220, 28764), (259, 28632), (285, 28554), (289, 28542), (290, 28536), (307, 28467), (310, 28458), (329, 28398), (360, 28308), (397, 28203), (405, 28182), (416, 28155), (473, 28032), (480, 28008), (482, 27993), (498, 27918), (508, 27888),

Gene: Gratitude_34 Start: 26757, Stop: 25678, Start Num: 150

Candidate Starts for Gratitude_34:

(Start: 124 @26811 has 117 MA's), (Start: 150 @26757 has 14 MA's), (Start: 170 @26688 has 6 MA's), (186, 26643), (236, 26487), (243, 26460), (252, 26424), (285, 26367), (320, 26244), (325, 26226), (359, 26136), (367, 26124), (390, 26049), (392, 26043), (399, 26022), (406, 26007), (412, 25989), (423, 25962), (427, 25953), (475, 25851), (487, 25803), (493, 25773), (494, 25767), (496, 25755), (508, 25716),

Gene: Grif_36 Start: 26864, Stop: 25719, Start Num: 124

Candidate Starts for Grif_36:

(Start: 124 @26864 has 117 MA's), (Start: 144 @26825 has 10 MA's), (159, 26777), (Start: 170 @26741 has 6 MA's), (186, 26696), (236, 26540), (243, 26513), (252, 26477), (285, 26420), (307, 26342), (315, 26318), (325, 26279), (348, 26207), (354, 26195), (359, 26189), (367, 26177), (390, 26102), (392, 26096), (399, 26075), (406, 26060), (412, 26042), (422, 26018), (475, 25904), (486, 25859), (487, 25856), (490, 25847), (493, 25826), (494, 25820), (496, 25808), (508, 25769),

Gene: Groupthink_36 Start: 26643, Stop: 25498, Start Num: 124

Candidate Starts for Groupthink_36:

(Start: 85 @26706 has 1 MA's), (Start: 124 @26643 has 117 MA's), (Start: 150 @26589 has 14 MA's), (Start: 170 @26520 has 6 MA's), (240, 26301), (243, 26292), (252, 26256), (285, 26199), (307, 26121), (318, 26088), (348, 25986), (359, 25968), (367, 25956), (390, 25881), (392, 25875), (399, 25854), (406, 25839), (412, 25821), (422, 25797), (486, 25638), (487, 25635), (493, 25605), (494, 25599), (496, 25587), (508, 25548),

Gene: Grub_36 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for Grub_36:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392,

26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Grum1_36 Start: 26789, Stop: 25644, Start Num: 124

Candidate Starts for Grum1_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: Gspu1_28 Start: 24542, Stop: 23361, Start Num: 154

Candidate Starts for Gspu1_28:

(Start: 128 @24608 has 7 MA's), (134, 24593), (142, 24572), (Start: 154 @24542 has 2 MA's), (161, 24506), (164, 24497), (165, 24494), (171, 24470), (208, 24359), (289, 24110), (298, 24071), (331, 23969), (358, 23891), (373, 23867), (377, 23852), (390, 23813), (396, 23795), (399, 23786), (414, 23744), (424, 23717), (438, 23675), (473, 23570), (483, 23525), (486, 23516), (489, 23507), (493, 23483), (520, 23387),

Gene: GtownJaz_36 Start: 26791, Stop: 25646, Start Num: 124

Candidate Starts for GtownJaz_36:

(Start: 124 @26791 has 117 MA's), (Start: 144 @26752 has 10 MA's), (Start: 170 @26668 has 6 MA's), (186, 26623), (236, 26467), (243, 26440), (252, 26404), (285, 26347), (307, 26269), (315, 26245), (325, 26206), (348, 26134), (354, 26122), (359, 26116), (367, 26104), (390, 26029), (392, 26023), (399, 26002), (406, 25987), (412, 25969), (422, 25945), (475, 25831), (486, 25786), (487, 25783), (490, 25774), (493, 25753), (494, 25747), (496, 25735), (508, 25696),

Gene: Guanica15_44 Start: 32526, Stop: 33626, Start Num: 131

Candidate Starts for Guanica15_44:

(61, 32376), (Start: 131 @32526 has 287 MA's), (Start: 150 @32577 has 14 MA's), (181, 32652), (193, 32688), (194, 32691), (229, 32802), (302, 33021), (307, 33045), (308, 33048), (346, 33177), (359, 33198), (396, 33303), (438, 33390), (471, 33438),

Gene: Guppsters_43 Start: 32537, Stop: 33664, Start Num: 131

Candidate Starts for Guppsters_43:

(75, 32435), (103, 32492), (Start: 131 @32537 has 287 MA's), (135, 32546), (193, 32708), (208, 32759), (215, 32777), (224, 32822), (250, 32918), (252, 32927), (285, 33008), (292, 33032), (309, 33101), (327, 33161), (332, 33173), (333, 33176), (336, 33188), (339, 33203), (346, 33227), (349, 33233), (363, 33254), (381, 33290), (382, 33293), (390, 33329), (392, 33335), (397, 33350), (438, 33434), (447, 33449), (473, 33491), (483, 33536), (486, 33545), (494, 33584), (497, 33602), (503, 33623), (509, 33638), (511, 33647), (512, 33650),

Gene: Hades_43 Start: 31946, Stop: 33073, Start Num: 131

Candidate Starts for Hades_43:

(75, 31844), (103, 31901), (Start: 131 @31946 has 287 MA's), (135, 31955), (193, 32117), (208, 32168), (215, 32186), (224, 32231), (250, 32327), (252, 32336), (285, 32417), (292, 32441), (309, 32510), (320, 32549), (327, 32570), (332, 32582), (333, 32585), (336, 32597), (339, 32612), (346, 32636), (349, 32642), (363, 32663), (381, 32699), (382, 32702), (390, 32738), (392, 32744), (396, 32756), (397, 32759), (404, 32774), (438, 32843), (447, 32858), (473, 32900), (483, 32945), (486, 32954), (490, 32966), (494, 32993), (497, 33011), (503, 33032), (509, 33047), (511, 33056), (512, 33059),

Gene: Haley23_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for Haley23_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (365, 28553), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Hannaconda_75 Start: 47285, Stop: 48559, Start Num: 93

Candidate Starts for Hannaconda_75:

(71, 47228), (Start: 84 @47270 has 1 MA's), (Start: 93 @47285 has 10 MA's), (95, 47288), (122, 47333), (Start: 139 @47372 has 1 MA's), (250, 47753), (281, 47837), (284, 47849), (285, 47852), (320, 47981), (376, 48101), (396, 48164), (404, 48182), (412, 48206), (438, 48278), (492, 48455), (493, 48458), (494, 48464), (497, 48482), (500, 48497), (504, 48506), (505, 48509), (519, 48554),

Gene: HarryHoudini_36 Start: 26909, Stop: 25782, Start Num: 128

Candidate Starts for HarryHoudini_36:

(94, 26963), (Start: 128 @26909 has 7 MA's), (Start: 144 @26876 has 10 MA's), (Start: 156 @26846 has 8 MA's), (Start: 170 @26792 has 6 MA's), (186, 26747), (243, 26564), (252, 26528), (285, 26471), (307, 26393), (320, 26348), (325, 26330), (359, 26240), (367, 26228), (375, 26207), (390, 26153), (392, 26147), (399, 26126), (406, 26111), (412, 26093), (423, 26066), (475, 25955), (486, 25910), (487, 25907), (488, 25904), (493, 25877), (494, 25871), (496, 25859), (508, 25820),

Gene: HaveUMetTed_36 Start: 26636, Stop: 25491, Start Num: 124

Candidate Starts for HaveUMetTed_36:

(Start: 85 @26699 has 1 MA's), (Start: 124 @26636 has 117 MA's), (Start: 150 @26582 has 14 MA's), (Start: 170 @26513 has 6 MA's), (240, 26294), (243, 26285), (252, 26249), (285, 26192), (307, 26114), (318, 26081), (348, 25979), (359, 25961), (367, 25949), (390, 25874), (392, 25868), (399, 25847), (406, 25832), (412, 25814), (486, 25631), (487, 25628), (493, 25598), (494, 25592), (496, 25580), (508, 25541),

Gene: Heathen_33 Start: 26105, Stop: 24978, Start Num: 124

Candidate Starts for Heathen_33:

(Start: 124 @26105 has 117 MA's), (159, 26018), (Start: 170 @25982 has 6 MA's), (186, 25937), (236, 25781), (238, 25769), (240, 25763), (252, 25718), (284, 25664), (285, 25661), (291, 25637), (348, 25448), (359, 25430), (367, 25418), (382, 25379), (390, 25343), (392, 25337), (399, 25316), (406, 25301), (412, 25283), (475, 25145), (487, 25097), (493, 25067), (494, 25061), (496, 25049), (508, 25010),

Gene: HedwigODU_41 Start: 32479, Stop: 33567, Start Num: 131

Candidate Starts for HedwigODU_41:

(Start: 131 @32479 has 287 MA's), (Start: 150 @32530 has 14 MA's), (Start: 170 @32581 has 6 MA's), (181, 32605), (193, 32641), (236, 32779), (250, 32833), (289, 32917), (307, 32986), (308, 32989), (359, 33139), (389, 33217), (396, 33244), (438, 33331), (471, 33379),

Gene: Heffalump_35 Start: 27571, Stop: 26564, Start Num: 170

Candidate Starts for Heffalump_35:

(Start: 117 @27706 has 1 MA's), (Start: 170 @27571 has 6 MA's), (184, 27535), (186, 27526), (228, 27397), (252, 27307), (303, 27196), (307, 27172), (318, 27139), (320, 27127), (359, 27019), (361, 27016), (390, 26932), (392, 26926), (399, 26905), (406, 26890), (412, 26872), (487, 26686), (493, 26656), (494, 26650), (496, 26638), (508, 26599), (515, 26575),

Gene: Hegedechwinu_41 Start: 30918, Stop: 32036, Start Num: 131

Candidate Starts for Hegedechwinu_41:

(Start: 131 @30918 has 287 MA's), (182, 31056), (193, 31089), (209, 31137), (240, 31254), (250, 31290), (252, 31299), (292, 31404), (309, 31473), (320, 31512), (325, 31530), (327, 31533), (332,

31545), (333, 31548), (336, 31560), (339, 31575), (346, 31599), (349, 31605), (363, 31626), (381, 31662), (382, 31665), (390, 31701), (392, 31707), (396, 31719), (397, 31722), (404, 31737), (438, 31806), (447, 31821), (473, 31863), (483, 31908), (486, 31917), (494, 31956), (497, 31974), (503, 31995), (509, 32010), (511, 32019), (512, 32022),

Gene: HelDan_33 Start: 26357, Stop: 25230, Start Num: 124

Candidate Starts for HelDan_33:

(Start: 124 @26357 has 117 MA's), (159, 26270), (Start: 170 @26234 has 6 MA's), (186, 26189), (236, 26033), (238, 26021), (240, 26015), (252, 25970), (284, 25916), (285, 25913), (291, 25889), (348, 25700), (359, 25682), (367, 25670), (382, 25631), (390, 25595), (392, 25589), (399, 25568), (406, 25553), (412, 25535), (475, 25397), (487, 25349), (493, 25319), (494, 25313), (496, 25301), (508, 25262),

Gene: Heliosoles_35 Start: 26643, Stop: 25498, Start Num: 124

Candidate Starts for Heliosoles_35:

(Start: 85 @26706 has 1 MA's), (Start: 124 @26643 has 117 MA's), (Start: 150 @26589 has 14 MA's), (Start: 170 @26520 has 6 MA's), (240, 26301), (243, 26292), (252, 26256), (285, 26199), (307, 26121), (318, 26088), (348, 25986), (359, 25968), (367, 25956), (390, 25881), (392, 25875), (399, 25854), (406, 25839), (412, 25821), (422, 25797), (486, 25638), (487, 25635), (493, 25605), (494, 25599), (496, 25587), (508, 25548),

Gene: Hercules11_36 Start: 26798, Stop: 25653, Start Num: 124

Candidate Starts for Hercules11_36:

(Start: 124 @26798 has 117 MA's), (Start: 144 @26759 has 10 MA's), (159, 26711), (Start: 170 @26675 has 6 MA's), (186, 26630), (236, 26474), (243, 26447), (252, 26411), (285, 26354), (307, 26276), (315, 26252), (325, 26213), (348, 26141), (354, 26129), (359, 26123), (367, 26111), (390, 26036), (392, 26030), (399, 26009), (406, 25994), (412, 25976), (422, 25952), (475, 25838), (486, 25793), (487, 25790), (490, 25781), (493, 25760), (494, 25754), (496, 25742), (508, 25703),

Gene: Herod_39 Start: 31901, Stop: 33094, Start Num: 74

Candidate Starts for Herod_39:

(Start: 74 @31901 has 6 MA's), (Start: 130 @32012 has 52 MA's), (Start: 150 @32066 has 14 MA's), (197, 32186), (282, 32432), (284, 32441), (292, 32471), (308, 32531), (329, 32597), (336, 32621), (480, 32951), (485, 32978), (511, 33083),

Gene: Hillester_40 Start: 27831, Stop: 26659, Start Num: 131

Candidate Starts for Hillester_40:

(Start: 131 @27831 has 287 MA's), (Start: 150 @27780 has 14 MA's), (192, 27666), (215, 27612), (220, 27594), (237, 27522), (247, 27480), (259, 27462), (285, 27384), (289, 27372), (307, 27297), (310, 27288), (329, 27228), (360, 27138), (397, 27033), (405, 27012), (413, 26988), (416, 26985), (445, 26916), (473, 26862), (480, 26838), (482, 26823), (512, 26703), (519, 26676),

Gene: Hlubikazi_41 Start: 31787, Stop: 32905, Start Num: 131

Candidate Starts for Hlubikazi_41:

(Start: 131 @31787 has 287 MA's), (193, 31958), (240, 32123), (250, 32159), (252, 32168), (292, 32273), (309, 32342), (320, 32381), (327, 32402), (332, 32414), (333, 32417), (336, 32429), (346, 32468), (349, 32474), (363, 32495), (381, 32531), (382, 32534), (390, 32570), (392, 32576), (396, 32588), (397, 32591), (404, 32606), (438, 32675), (447, 32690), (463, 32708), (483, 32777), (486, 32786), (494, 32825), (497, 32843), (503, 32864), (509, 32879), (511, 32888), (512, 32891),

Gene: Holliday_48 Start: 32014, Stop: 33084, Start Num: 131

Candidate Starts for Holliday_48:

(121, 31993), (Start: 131 @32014 has 287 MA's), (Start: 150 @32065 has 14 MA's), (169, 32113), (191, 32170), (209, 32215), (289, 32449), (293, 32467), (320, 32566), (332, 32599), (333, 32602), (336, 32614), (402, 32782), (447, 32881), (453, 32890), (480, 32941), (485, 32968), (491, 32998), (493, 33004), (495, 33016), (511, 33073),

Gene: Homura_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Homura_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Hortense_40 Start: 32549, Stop: 33676, Start Num: 131

Candidate Starts for Hortense_40:

(107, 32510), (Start: 131 @32549 has 287 MA's), (Start: 150 @32603 has 14 MA's), (191, 32726), (204, 32759), (230, 32849), (238, 32882), (307, 33077), (308, 33080), (320, 33122), (333, 33158), (449, 33455), (480, 33533), (485, 33560), (490, 33575), (494, 33602), (511, 33665),

Gene: Horus_48 Start: 33163, Stop: 34260, Start Num: 131

Candidate Starts for Horus_48:

(54, 32983), (68, 33022), (Start: 131 @33163 has 287 MA's), (Start: 150 @33214 has 14 MA's), (182, 33292), (191, 33319), (209, 33364), (221, 33397), (222, 33406), (284, 33583), (285, 33586), (310, 33679), (320, 33715), (332, 33748), (333, 33751), (336, 33763), (399, 33928), (413, 33958), (447, 34030), (473, 34066), (480, 34090), (485, 34117), (495, 34165), (497, 34177), (512, 34225),

Gene: Howe_40 Start: 32549, Stop: 33676, Start Num: 131

Candidate Starts for Howe_40:

(107, 32510), (Start: 131 @32549 has 287 MA's), (Start: 150 @32603 has 14 MA's), (191, 32726), (204, 32759), (230, 32849), (238, 32882), (307, 33077), (308, 33080), (320, 33122), (333, 33158), (449, 33455), (480, 33533), (485, 33560), (490, 33575), (494, 33602), (511, 33665),

Gene: Huffy_38 Start: 27370, Stop: 26255, Start Num: 149

Candidate Starts for Huffy_38:

(Start: 149 @27370 has 12 MA's), (251, 27031), (262, 26998), (348, 26704), (352, 26692), (428, 26512), (490, 26341), (494, 26314),

Gene: Hugley_36 Start: 32011, Stop: 33093, Start Num: 130

Candidate Starts for Hugley_36:

(Start: 74 @31900 has 6 MA's), (Start: 130 @32011 has 52 MA's), (Start: 150 @32065 has 14 MA's), (197, 32185), (282, 32431), (284, 32440), (292, 32470), (308, 32530), (329, 32596), (336, 32620), (480, 32950), (485, 32977), (511, 33082),

Gene: Hyperbowlee_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for Hyperbowlee_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: Hyzer_43 Start: 33426, Stop: 34508, Start Num: 130

Candidate Starts for Hyzer_43:

(Start: 130 @33426 has 52 MA's), (Start: 150 @33480 has 14 MA's), (197, 33600), (284, 33855), (292, 33885), (308, 33945), (329, 34011), (336, 34035), (480, 34365), (495, 34440), (511, 34497),

Gene: IMpilo_40 Start: 31720, Stop: 32838, Start Num: 131

Candidate Starts for IMpilo_40:

(Start: 131 @31720 has 287 MA's), (135, 31729), (193, 31891), (240, 32056), (250, 32092), (252, 32101), (292, 32206), (309, 32275), (320, 32314), (327, 32335), (332, 32347), (333, 32350), (336, 32362), (339, 32377), (346, 32401), (349, 32407), (363, 32428), (381, 32464), (382, 32467), (390, 32503), (392, 32509), (396, 32521), (397, 32524), (404, 32539), (438, 32608), (447, 32623), (483, 32710), (486, 32719), (494, 32758), (497, 32776), (503, 32797), (509, 32812), (511, 32821), (512, 32824),

Gene: Idleandcovert_33 Start: 26297, Stop: 25170, Start Num: 124

Candidate Starts for Idleandcovert_33:

(Start: 124 @26297 has 117 MA's), (159, 26210), (Start: 170 @26174 has 6 MA's), (186, 26129), (236, 25973), (238, 25961), (240, 25955), (252, 25910), (284, 25856), (285, 25853), (307, 25775), (359, 25622), (367, 25610), (382, 25571), (390, 25535), (392, 25529), (399, 25508), (406, 25493), (412, 25475), (423, 25448), (475, 25337), (487, 25289), (493, 25259), (494, 25253), (496, 25241), (508, 25202),

Gene: Illumine_44 Start: 33263, Stop: 34351, Start Num: 131

Candidate Starts for Illumine_44:

(Start: 131 @33263 has 287 MA's), (Start: 170 @33365 has 6 MA's), (181, 33389), (193, 33425), (215, 33476), (229, 33539), (236, 33563), (250, 33617), (251, 33620), (289, 33701), (307, 33770), (308, 33773), (359, 33923), (389, 34001), (396, 34028), (471, 34163),

Gene: Inky_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Inky_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Invectra_40 Start: 30570, Stop: 31697, Start Num: 131

Candidate Starts for Invectra_40:

(77, 30474), (Start: 112 @30537 has 2 MA's), (Start: 131 @30570 has 287 MA's), (Start: 150 @30624 has 14 MA's), (230, 30870), (238, 30903), (307, 31098), (308, 31101), (320, 31143), (333, 31179), (449, 31476), (480, 31554), (485, 31581), (490, 31596), (494, 31623), (511, 31686),

Gene: IrishSherpFalk_41 Start: 32488, Stop: 33606, Start Num: 131

Candidate Starts for IrishSherpFalk_41:

(Start: 131 @32488 has 287 MA's), (135, 32497), (193, 32659), (252, 32869), (285, 32950), (292, 32974), (309, 33043), (327, 33103), (332, 33115), (333, 33118), (336, 33130), (339, 33145), (346, 33169), (349, 33175), (363, 33196), (381, 33232), (382, 33235), (390, 33271), (392, 33277), (397, 33292), (438, 33376), (447, 33391), (473, 33433), (483, 33478), (486, 33487), (494, 33526), (497, 33544), (503, 33565), (509, 33580), (511, 33589), (512, 33592),

Gene: IronMan_36 Start: 28052, Stop: 26925, Start Num: 116

Candidate Starts for IronMan_36:

(Start: 104 @28070 has 7 MA's), (Start: 116 @28052 has 7 MA's), (Start: 170 @27923 has 6 MA's), (186, 27878), (243, 27695), (252, 27659), (285, 27602), (289, 27590), (325, 27461), (359, 27371), (367, 27359), (390, 27284), (399, 27257), (406, 27242), (412, 27224), (419, 27203), (475, 27086), (486, 27041), (487, 27038), (488, 27035), (493, 27008), (494, 27002), (496, 26990), (508, 26951),

Gene: Isca_33 Start: 26066, Stop: 24942, Start Num: 124

Candidate Starts for Isca_33:

(Start: 99 @26108 has 1 MA's), (Start: 124 @26066 has 117 MA's), (Start: 144 @26027 has 10 MA's), (159, 25979), (Start: 170 @25943 has 6 MA's), (186, 25898), (197, 25868), (228, 25769), (252, 25679), (303, 25568), (307, 25544), (320, 25499), (359, 25391), (367, 25379), (375, 25358), (390, 25304),

(392, 25298), (399, 25277), (406, 25262), (412, 25244), (423, 25217), (475, 25106), (487, 25058), (488, 25055), (493, 25028), (494, 25022), (496, 25010), (500, 24989), (508, 24971),

Gene: Isolde_41 Start: 27878, Stop: 26739, Start Num: 131

Candidate Starts for Isolde_41:

(Start: 131 @27878 has 287 MA's), (Start: 150 @27827 has 14 MA's), (215, 27659), (220, 27641), (259, 27509), (285, 27431), (289, 27419), (307, 27344), (310, 27335), (329, 27275), (360, 27185), (397, 27080), (405, 27059), (416, 27032), (473, 26909), (480, 26885), (482, 26870), (508, 26765),

Gene: Iwokeuplikedis_34 Start: 26178, Stop: 25060, Start Num: 124

Candidate Starts for Iwokeuplikedis_34:

(Start: 124 @26178 has 117 MA's), (Start: 170 @26055 has 6 MA's), (186, 26010), (237, 25851), (243, 25827), (252, 25791), (285, 25734), (307, 25656), (320, 25611), (325, 25593), (359, 25503), (367, 25491), (390, 25416), (399, 25389), (406, 25374), (412, 25356), (423, 25329), (475, 25218), (486, 25173), (487, 25170), (488, 25167), (493, 25140), (494, 25134), (496, 25122), (508, 25083),

Gene: JAWS_41 Start: 32469, Stop: 33557, Start Num: 131

Candidate Starts for JAWS_41:

(Start: 131 @32469 has 287 MA's), (Start: 170 @32571 has 6 MA's), (181, 32595), (193, 32631), (236, 32769), (289, 32907), (307, 32976), (308, 32979), (359, 33129), (396, 33234), (438, 33321), (471, 33369),

Gene: JF2_33 Start: 25816, Stop: 24692, Start Num: 124

Candidate Starts for JF2_33:

(Start: 99 @25858 has 1 MA's), (Start: 124 @25816 has 117 MA's), (Start: 170 @25693 has 6 MA's), (186, 25648), (215, 25576), (226, 25528), (240, 25474), (243, 25465), (252, 25429), (285, 25372), (359, 25141), (367, 25129), (375, 25108), (390, 25054), (392, 25048), (399, 25027), (406, 25012), (412, 24994), (423, 24967), (475, 24856), (487, 24808), (488, 24805), (493, 24778), (494, 24772), (496, 24760), (500, 24739), (508, 24721),

Gene: JF4_33 Start: 25816, Stop: 24692, Start Num: 124

Candidate Starts for JF4_33:

(Start: 99 @25858 has 1 MA's), (Start: 124 @25816 has 117 MA's), (Start: 170 @25693 has 6 MA's), (186, 25648), (215, 25576), (226, 25528), (240, 25474), (243, 25465), (252, 25429), (285, 25372), (359, 25141), (367, 25129), (375, 25108), (390, 25054), (392, 25048), (399, 25027), (406, 25012), (412, 24994), (423, 24967), (475, 24856), (487, 24808), (488, 24805), (493, 24778), (494, 24772), (496, 24760), (500, 24739), (508, 24721),

Gene: JHC117_36 Start: 26788, Stop: 25643, Start Num: 124

Candidate Starts for JHC117_36:

(Start: 124 @26788 has 117 MA's), (Start: 144 @26749 has 10 MA's), (159, 26701), (Start: 170 @26665 has 6 MA's), (186, 26620), (236, 26464), (243, 26437), (252, 26401), (285, 26344), (307, 26266), (315, 26242), (325, 26203), (348, 26131), (354, 26119), (359, 26113), (367, 26101), (390, 26026), (392, 26020), (399, 25999), (406, 25984), (412, 25966), (422, 25942), (475, 25828), (486, 25783), (487, 25780), (490, 25771), (493, 25750), (494, 25744), (496, 25732), (508, 25693),

Gene: Jaan_37 Start: 28459, Stop: 27326, Start Num: 118

Candidate Starts for Jaan_37:

(Start: 118 @28459 has 3 MA's), (Start: 170 @28324 has 6 MA's), (186, 28279), (188, 28273), (203, 28234), (236, 28123), (243, 28096), (252, 28060), (281, 28018), (284, 28006), (285, 28003), (315, 27901), (359, 27772), (367, 27760), (390, 27685), (392, 27679), (399, 27658), (406, 27643), (412, 27625), (433, 27574), (475, 27487), (487, 27439), (493, 27409), (494, 27403), (496, 27391), (508, 27352),

Gene: Jablanski_39 Start: 31311, Stop: 32393, Start Num: 130

Candidate Starts for Jablanski_39:

(Start: 74 @31200 has 6 MA's), (Start: 130 @31311 has 52 MA's), (Start: 150 @31365 has 14 MA's), (197, 31485), (292, 31770), (308, 31830), (329, 31896), (336, 31920), (480, 32250), (485, 32277), (511, 32382),

Gene: James_43 Start: 32094, Stop: 33212, Start Num: 131

Candidate Starts for James_43:

(Start: 131 @32094 has 287 MA's), (182, 32232), (193, 32265), (209, 32313), (240, 32430), (250, 32466), (252, 32475), (292, 32580), (309, 32649), (327, 32709), (332, 32721), (333, 32724), (336, 32736), (339, 32751), (346, 32775), (349, 32781), (363, 32802), (381, 32838), (382, 32841), (390, 32877), (392, 32883), (396, 32895), (397, 32898), (438, 32982), (447, 32997), (473, 33039), (483, 33084), (486, 33093), (494, 33132), (497, 33150), (503, 33171), (509, 33186), (511, 33195), (512, 33198),

Gene: Jant_44 Start: 33079, Stop: 33984, Start Num: 208

Candidate Starts for Jant_44:

(75, 32755), (103, 32812), (Start: 131 @32857 has 287 MA's), (135, 32866), (193, 33028), (208, 33079), (215, 33097), (224, 33142), (250, 33238), (252, 33247), (292, 33352), (309, 33421), (327, 33481), (332, 33493), (333, 33496), (336, 33508), (339, 33523), (346, 33547), (349, 33553), (363, 33574), (381, 33610), (382, 33613), (390, 33649), (392, 33655), (397, 33670), (438, 33754), (447, 33769), (463, 33787), (473, 33811), (483, 33856), (486, 33865), (494, 33904), (497, 33922), (503, 33943), (509, 33958), (511, 33967), (512, 33970),

Gene: Jarvi_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Jarvi_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Jayhawk_42 Start: 32477, Stop: 33565, Start Num: 131

Candidate Starts for Jayhawk_42:

(Start: 131 @32477 has 287 MA's), (Start: 150 @32528 has 14 MA's), (Start: 170 @32579 has 6 MA's), (181, 32603), (193, 32639), (236, 32777), (250, 32831), (289, 32915), (307, 32984), (308, 32987), (359, 33137), (389, 33215), (396, 33242), (438, 33329), (471, 33377),

Gene: Jeckyll_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Jeckyll_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: JellyBread_36 Start: 26251, Stop: 25067, Start Num: 131

Candidate Starts for JellyBread_36:

(76, 26341), (83, 26320), (Start: 131 @26251 has 287 MA's), (Start: 150 @26200 has 14 MA's), (215, 26032), (220, 26014), (259, 25882), (282, 25816), (285, 25804), (289, 25792), (307, 25717), (310, 25708), (329, 25648), (360, 25558), (405, 25432), (413, 25408), (416, 25405), (473, 25282), (480, 25258), (482, 25243), (512, 25123),

Gene: JenCasNa_36 Start: 26750, Stop: 25644, Start Num: 144

Candidate Starts for JenCasNa_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: JeppNRM_36 Start: 26642, Stop: 25497, Start Num: 124

Candidate Starts for JeppNRM_36:

(Start: 85 @26705 has 1 MA's), (Start: 124 @26642 has 117 MA's), (Start: 150 @26588 has 14 MA's), (Start: 170 @26519 has 6 MA's), (240, 26300), (243, 26291), (252, 26255), (285, 26198), (307, 26120), (315, 26096), (318, 26087), (348, 25985), (359, 25967), (367, 25955), (390, 25880), (392, 25874), (399, 25853), (406, 25838), (412, 25820), (422, 25796), (486, 25637), (487, 25634), (493, 25604), (494, 25598), (496, 25586), (508, 25547),

Gene: Jerm_35 Start: 26752, Stop: 25625, Start Num: 116

Candidate Starts for Jerm_35:

(Start: 104 @26770 has 7 MA's), (Start: 116 @26752 has 7 MA's), (Start: 156 @26668 has 8 MA's), (Start: 170 @26620 has 6 MA's), (186, 26575), (243, 26392), (252, 26356), (285, 26299), (289, 26287), (318, 26188), (320, 26176), (325, 26158), (359, 26068), (390, 25981), (392, 25975), (399, 25954), (406, 25939), (412, 25921), (423, 25894), (475, 25783), (487, 25735), (488, 25732), (493, 25705), (494, 25699), (496, 25687), (508, 25648),

Gene: Jobu08_35 Start: 26620, Stop: 25475, Start Num: 124

Candidate Starts for Jobu08_35:

(Start: 124 @26620 has 117 MA's), (Start: 144 @26581 has 10 MA's), (159, 26533), (Start: 170 @26497 has 6 MA's), (186, 26452), (236, 26296), (243, 26269), (252, 26233), (285, 26176), (307, 26098), (315, 26074), (325, 26035), (348, 25963), (354, 25951), (359, 25945), (367, 25933), (390, 25858), (392, 25852), (399, 25831), (406, 25816), (412, 25798), (475, 25660), (486, 25615), (487, 25612), (490, 25603), (493, 25582), (494, 25576), (496, 25564), (508, 25525),

Gene: JoshKayV_35 Start: 26714, Stop: 25599, Start Num: 127

Candidate Starts for JoshKayV_35:

(Start: 127 @26714 has 10 MA's), (Start: 170 @26594 has 6 MA's), (186, 26549), (236, 26393), (243, 26366), (252, 26330), (285, 26273), (289, 26261), (307, 26195), (325, 26132), (359, 26042), (390, 25955), (392, 25949), (399, 25928), (406, 25913), (412, 25895), (433, 25844), (475, 25757), (487, 25709), (493, 25679), (494, 25673), (496, 25661), (508, 25622),

Gene: Journey13_31 Start: 25582, Stop: 24464, Start Num: 124

Candidate Starts for Journey13_31:

(58, 25732), (86, 25642), (Start: 124 @25582 has 117 MA's), (Start: 150 @25528 has 14 MA's), (Start: 170 @25459 has 6 MA's), (178, 25441), (204, 25366), (206, 25360), (236, 25258), (238, 25246), (252, 25195), (285, 25138), (292, 25111), (339, 24952), (359, 24907), (367, 24895), (390, 24820), (392, 24814), (399, 24793), (406, 24778), (412, 24760), (423, 24733), (475, 24622), (487, 24574), (488, 24571), (493, 24544), (494, 24538), (496, 24526), (508, 24487),

Gene: Joy99_41 Start: 32524, Stop: 33612, Start Num: 131

Candidate Starts for Joy99_41:

(13, 31921), (21, 32098), (36, 32263), (44, 32302), (Start: 131 @32524 has 287 MA's), (Start: 150 @32575 has 14 MA's), (Start: 170 @32626 has 6 MA's), (181, 32650), (193, 32686), (197, 32695), (236, 32824), (289, 32962), (307, 33031), (308, 33034), (359, 33184), (396, 33289), (471, 33424),

Gene: Jsquared_34 Start: 25672, Stop: 24548, Start Num: 124

Candidate Starts for Jsquared_34:

(Start: 124 @25672 has 117 MA's), (157, 25594), (Start: 170 @25549 has 6 MA's), (186, 25504), (209, 25444), (243, 25321), (252, 25285), (284, 25231), (285, 25228), (307, 25150), (320, 25105), (321, 25102), (325, 25087), (336, 25057), (354, 25003), (359, 24997), (375, 24964), (390, 24910), (399, 24883), (406, 24868), (412, 24850), (423, 24823), (475, 24712), (487, 24664), (488, 24661), (490, 24655), (493, 24634), (494, 24628), (496, 24616), (508, 24577),

Gene: Judy_39 Start: 26980, Stop: 28122, Start Num: 131

Candidate Starts for Judy_39:

(Start: 131 @26980 has 287 MA's), (248, 27334), (250, 27340), (254, 27355), (278, 27409), (292, 27466), (307, 27526), (308, 27529), (317, 27556), (336, 27619), (382, 27739), (393, 27787), (446, 27913), (454, 27925), (486, 28021), (501, 28096),

Gene: Juice456_44 Start: 33520, Stop: 34638, Start Num: 131

Candidate Starts for Juice456_44:

(Start: 131 @33520 has 287 MA's), (182, 33658), (193, 33691), (209, 33739), (240, 33856), (250, 33892), (252, 33901), (292, 34006), (309, 34075), (320, 34114), (325, 34132), (327, 34135), (332, 34147), (333, 34150), (336, 34162), (339, 34177), (346, 34201), (349, 34207), (363, 34228), (381, 34264), (382, 34267), (390, 34303), (392, 34309), (396, 34321), (397, 34324), (404, 34339), (438, 34408), (447, 34423), (473, 34465), (483, 34510), (486, 34519), (494, 34558), (497, 34576), (503, 34597), (509, 34612), (511, 34621), (512, 34624),

Gene: Juniper1_40 Start: 31679, Stop: 32797, Start Num: 131

Candidate Starts for Juniper1_40:

(Start: 131 @31679 has 287 MA's), (193, 31850), (209, 31898), (250, 32051), (252, 32060), (285, 32141), (309, 32234), (327, 32294), (332, 32306), (333, 32309), (339, 32336), (346, 32360), (363, 32387), (381, 32423), (382, 32426), (390, 32462), (404, 32498), (438, 32567), (447, 32582), (463, 32600), (483, 32669), (486, 32678), (494, 32717), (497, 32735), (509, 32771), (511, 32780), (512, 32783),

Gene: Kachowdy_33 Start: 26270, Stop: 25230, Start Num: 159

Candidate Starts for Kachowdy_33:

(Start: 124 @26357 has 117 MA's), (159, 26270), (Start: 170 @26234 has 6 MA's), (186, 26189), (236, 26033), (238, 26021), (240, 26015), (252, 25970), (284, 25916), (285, 25913), (291, 25889), (348, 25700), (359, 25682), (367, 25670), (382, 25631), (390, 25595), (392, 25589), (399, 25568), (406, 25553), (412, 25535), (475, 25397), (487, 25349), (493, 25319), (494, 25313), (496, 25301), (508, 25262),

Gene: Kalb97_36 Start: 26642, Stop: 25497, Start Num: 124

Candidate Starts for Kalb97_36:

(Start: 85 @26705 has 1 MA's), (Start: 124 @26642 has 117 MA's), (Start: 150 @26588 has 14 MA's), (Start: 170 @26519 has 6 MA's), (240, 26300), (243, 26291), (252, 26255), (285, 26198), (307, 26120), (318, 26087), (348, 25985), (359, 25967), (367, 25955), (390, 25880), (392, 25874), (399, 25853), (406, 25838), (412, 25820), (422, 25796), (486, 25637), (487, 25634), (493, 25604), (494, 25598), (496, 25586), (508, 25547),

Gene: Kalnoky_36 Start: 26643, Stop: 25498, Start Num: 124

Candidate Starts for Kalnoky_36:

(Start: 85 @26706 has 1 MA's), (Start: 124 @26643 has 117 MA's), (Start: 150 @26589 has 14 MA's), (Start: 170 @26520 has 6 MA's), (240, 26301), (243, 26292), (252, 26256), (285, 26199), (307, 26121), (318, 26088), (348, 25986), (359, 25968), (367, 25956), (390, 25881), (392, 25875), (399, 25854), (406, 25839), (412, 25821), (422, 25797), (486, 25638), (487, 25635), (493, 25605), (494, 25599), (496, 25587), (508, 25548),

Gene: Kalpine_35 Start: 27525, Stop: 26410, Start Num: 127

Candidate Starts for Kalpine_35:

(Start: 127 @27525 has 10 MA's), (Start: 170 @27405 has 6 MA's), (186, 27360), (215, 27288), (240, 27186), (243, 27177), (252, 27141), (282, 27096), (284, 27087), (285, 27084), (318, 26973), (320, 26961), (359, 26853), (367, 26841), (386, 26784), (390, 26766), (392, 26760), (399, 26739), (406, 26724), (412, 26706), (423, 26679), (475, 26568), (487, 26520), (493, 26490), (494, 26484), (496, 26472), (508, 26433),

Gene: Kamaru_44 Start: 31555, Stop: 32652, Start Num: 131

Candidate Starts for Kamaru_44:

(28, 31219), (41, 31315), (97, 31498), (Start: 131 @31555 has 287 MA's), (Start: 150 @31606 has 14 MA's), (180, 31678), (182, 31684), (191, 31711), (209, 31756), (222, 31798), (250, 31906), (284, 31975), (289, 31990), (308, 32065), (320, 32107), (332, 32140), (333, 32143), (336, 32155), (382, 32257), (413, 32350), (447, 32422), (473, 32458), (480, 32482), (485, 32509), (495, 32557), (512, 32617),

Gene: Kamy_33 Start: 26181, Stop: 25129, Start Num: 156

Candidate Starts for Kamy_33:

(Start: 96 @26295 has 3 MA's), (Start: 115 @26268 has 1 MA's), (Start: 124 @26250 has 117 MA's), (Start: 156 @26181 has 8 MA's), (Start: 170 @26127 has 6 MA's), (240, 25908), (243, 25899), (252, 25863), (281, 25821), (284, 25809), (285, 25806), (307, 25728), (348, 25593), (359, 25575), (390, 25488), (392, 25482), (399, 25461), (406, 25446), (412, 25428), (475, 25290), (487, 25242), (493, 25212), (494, 25206), (496, 25194), (508, 25155),

Gene: KayMoney_38 Start: 26157, Stop: 27299, Start Num: 131

Candidate Starts for KayMoney_38:

(126, 26148), (Start: 131 @26157 has 287 MA's), (250, 26517), (255, 26535), (292, 26643), (307, 26703), (336, 26796), (382, 26916), (393, 26964), (405, 26994), (446, 27090), (486, 27198), (501, 27273),

Gene: Kenna_49 Start: 32526, Stop: 33596, Start Num: 131

Candidate Starts for Kenna_49:

(Start: 131 @32526 has 287 MA's), (Start: 150 @32577 has 14 MA's), (182, 32655), (191, 32682), (250, 32877), (252, 32886), (282, 32937), (284, 32946), (285, 32949), (289, 32961), (301, 33006), (310, 33042), (320, 33078), (332, 33111), (333, 33114), (336, 33126), (402, 33294), (447, 33393), (480, 33453), (485, 33480), (486, 33483), (491, 33510), (493, 33516), (495, 33528), (511, 33585),

Gene: Kenuha5_39 Start: 31177, Stop: 32295, Start Num: 131

Candidate Starts for Kenuha5_39:

(Start: 131 @31177 has 287 MA's), (193, 31348), (240, 31513), (250, 31549), (252, 31558), (292, 31663), (309, 31732), (320, 31771), (327, 31792), (332, 31804), (333, 31807), (336, 31819), (339, 31834), (346, 31858), (349, 31864), (363, 31885), (381, 31921), (382, 31924), (390, 31960), (392, 31966), (397, 31981), (404, 31996), (438, 32065), (447, 32080), (473, 32122), (483, 32167), (486, 32176), (494, 32215), (497, 32233), (503, 32254), (509, 32269), (511, 32278), (512, 32281),

Gene: Kerberos_37 Start: 26420, Stop: 25350, Start Num: 150

Candidate Starts for Kerberos_37:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (243, 26123), (252, 26087), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (348, 25817), (359, 25799), (367, 25787), (382, 25748), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: KiSi_45 Start: 33691, Stop: 34776, Start Num: 131

Candidate Starts for KiSi_45:

(1, 32323), (2, 32353), (3, 32512), (4, 32560), (5, 32629), (6, 32653), (7, 32734), (8, 32743), (9, 32767), (10, 32887), (14, 33088), (16, 33106), (19, 33184), (26, 33355), (37, 33430), (44, 33469), (56, 33523), (Start: 131 @33691 has 287 MA's), (183, 33826), (193, 33853), (236, 33991), (246, 34033), (250, 34045), (289, 34129), (307, 34198), (308, 34201), (320, 34243), (359, 34351), (396, 34456), (438, 34543), (471, 34591), (495, 34699), (509, 34747),

Gene: Kimona_30 Start: 24408, Stop: 23293, Start Num: 124

Candidate Starts for Kimona_30:

(109, 24435), (Start: 115 @24426 has 1 MA's), (Start: 124 @24408 has 117 MA's), (157, 24330), (Start: 170 @24285 has 6 MA's), (240, 24066), (243, 24057), (252, 24021), (284, 23967), (285, 23964), (307, 23886), (359, 23733), (361, 23730), (390, 23646), (399, 23619), (406, 23604), (412, 23586), (423, 23559), (475, 23448), (487, 23400), (493, 23370), (494, 23364), (496, 23352), (500, 23331), (508, 23313),

Gene: KingCyrus_36 Start: 28129, Stop: 27002, Start Num: 116

Candidate Starts for KingCyrus_36:

(Start: 104 @28147 has 7 MA's), (Start: 116 @28129 has 7 MA's), (Start: 156 @28048 has 8 MA's), (Start: 170 @28000 has 6 MA's), (186, 27955), (236, 27799), (243, 27772), (252, 27736), (285, 27679), (289, 27667), (307, 27601), (318, 27568), (320, 27556), (325, 27538), (359, 27448), (367, 27436), (390, 27361), (392, 27355), (399, 27334), (406, 27319), (412, 27301), (422, 27277), (423, 27274), (427, 27265), (475, 27163), (487, 27115), (488, 27112), (493, 27085), (494, 27079), (496, 27067), (508, 27028),

Gene: KingJulian_41 Start: 32428, Stop: 33546, Start Num: 131

Candidate Starts for KingJulian_41:

(Start: 131 @32428 has 287 MA's), (135, 32437), (193, 32599), (240, 32764), (250, 32800), (252, 32809), (292, 32914), (309, 32983), (320, 33022), (325, 33040), (327, 33043), (332, 33055), (333, 33058), (336, 33070), (339, 33085), (346, 33109), (349, 33115), (363, 33136), (381, 33172), (382, 33175), (390, 33211), (392, 33217), (397, 33232), (404, 33247), (438, 33316), (447, 33331), (473, 33373), (483, 33418), (486, 33427), (490, 33439), (494, 33466), (497, 33484), (503, 33505), (509, 33520), (511, 33529), (512, 33532),

Gene: Kingsley_38 Start: 30711, Stop: 31829, Start Num: 131

Candidate Starts for Kingsley_38:

(Start: 131 @30711 has 287 MA's), (193, 30882), (240, 31047), (250, 31083), (252, 31092), (285, 31173), (292, 31197), (309, 31266), (320, 31305), (325, 31323), (327, 31326), (332, 31338), (333, 31341), (336, 31353), (339, 31368), (346, 31392), (349, 31398), (363, 31419), (381, 31455), (382, 31458), (390, 31494), (392, 31500), (396, 31512), (397, 31515), (404, 31530), (438, 31599), (447, 31614), (473, 31656), (483, 31701), (486, 31710), (494, 31749), (497, 31767), (503, 31788), (509, 31803), (511, 31812), (512, 31815),

Gene: Kita_40 Start: 30461, Stop: 31654, Start Num: 74

Candidate Starts for Kita_40:

(Start: 74 @30461 has 6 MA's), (Start: 130 @30572 has 52 MA's), (Start: 150 @30626 has 14 MA's), (197, 30746), (284, 31001), (292, 31031), (308, 31091), (329, 31157), (336, 31181), (480, 31511), (485, 31538), (511, 31643),

Gene: Koduck_33 Start: 25409, Stop: 24294, Start Num: 128

Candidate Starts for Koduck_33:

(Start: 128 @25409 has 7 MA's), (159, 25328), (Start: 170 @25292 has 6 MA's), (186, 25247), (219, 25160), (236, 25091), (238, 25079), (243, 25064), (246, 25049), (252, 25028), (284, 24974), (285,

24971), (348, 24758), (354, 24746), (359, 24740), (367, 24728), (375, 24707), (390, 24653), (399, 24626), (406, 24611), (412, 24593), (423, 24566), (487, 24407), (493, 24377), (494, 24371), (496, 24359), (508, 24320),

Gene: KristaRAM_43 Start: 33503, Stop: 34630, Start Num: 131

Candidate Starts for KristaRAM_43:

(75, 33401), (103, 33458), (Start: 131 @33503 has 287 MA's), (135, 33512), (193, 33674), (208, 33725), (215, 33743), (224, 33788), (250, 33884), (252, 33893), (285, 33974), (292, 33998), (309, 34067), (320, 34106), (327, 34127), (332, 34139), (333, 34142), (336, 34154), (339, 34169), (346, 34193), (349, 34199), (363, 34220), (381, 34256), (382, 34259), (390, 34295), (392, 34301), (396, 34313), (397, 34316), (404, 34331), (438, 34400), (447, 34415), (473, 34457), (483, 34502), (486, 34511), (494, 34550), (497, 34568), (503, 34589), (509, 34604), (511, 34613), (512, 34616),

Gene: L5_33 Start: 25369, Stop: 24254, Start Num: 128

Candidate Starts for L5_33:

(Start: 128 @25369 has 7 MA's), (159, 25288), (Start: 170 @25252 has 6 MA's), (186, 25207), (219, 25120), (236, 25051), (238, 25039), (243, 25024), (246, 25009), (252, 24988), (284, 24934), (285, 24931), (348, 24718), (354, 24706), (359, 24700), (367, 24688), (375, 24667), (390, 24613), (399, 24586), (406, 24571), (412, 24553), (423, 24526), (487, 24367), (493, 24337), (494, 24331), (496, 24319), (508, 24280),

Gene: LBerry_36 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for LBerry_36:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: LHTSCC_34 Start: 26518, Stop: 25466, Start Num: 156

Candidate Starts for LHTSCC_34:

(Start: 115 @26605 has 1 MA's), (Start: 124 @26587 has 117 MA's), (Start: 156 @26518 has 8 MA's), (Start: 170 @26464 has 6 MA's), (240, 26245), (243, 26236), (252, 26200), (281, 26158), (284, 26146), (285, 26143), (348, 25930), (359, 25912), (390, 25825), (392, 25819), (399, 25798), (406, 25783), (412, 25765), (475, 25627), (487, 25579), (493, 25549), (494, 25543), (496, 25531), (508, 25492),

Gene: Lamberg_33 Start: 26384, Stop: 27466, Start Num: 130

Candidate Starts for Lamberg_33:

(Start: 72 @26267 has 2 MA's), (Start: 74 @26273 has 6 MA's), (Start: 130 @26384 has 52 MA's), (Start: 150 @26438 has 14 MA's), (197, 26558), (284, 26813), (292, 26843), (308, 26903), (329, 26969), (336, 26993), (365, 27062), (381, 27098), (480, 27323), (485, 27350), (511, 27455),

Gene: Landor_35 Start: 28009, Stop: 26867, Start Num: 117

Candidate Starts for Landor_35:

(Start: 117 @28009 has 1 MA's), (Start: 170 @27874 has 6 MA's), (186, 27829), (188, 27823), (203, 27784), (228, 27700), (238, 27661), (252, 27610), (303, 27499), (318, 27442), (320, 27430), (336, 27382), (359, 27322), (361, 27319), (390, 27235), (392, 27229), (399, 27208), (406, 27193), (412, 27175), (487, 26989), (493, 26959), (494, 26953), (496, 26941), (508, 26902), (515, 26878),

Gene: Larenn_35 Start: 26836, Stop: 25694, Start Num: 104

Candidate Starts for Larenn_35:

(Start: 104 @26836 has 7 MA's), (Start: 116 @26818 has 7 MA's), (Start: 170 @26689 has 6 MA's), (186, 26644), (240, 26470), (243, 26461), (252, 26425), (285, 26368), (307, 26290), (318, 26257),

(320, 26245), (325, 26227), (359, 26137), (367, 26125), (390, 26050), (392, 26044), (399, 26023), (406, 26008), (412, 25990), (423, 25963), (475, 25852), (487, 25804), (488, 25801), (493, 25774), (494, 25768), (496, 25756), (508, 25717),

Gene: LastJedi_34 Start: 27598, Stop: 28716, Start Num: 131

Candidate Starts for LastJedi_34:

(Start: 131 @27598 has 287 MA's), (135, 27607), (193, 27769), (240, 27934), (250, 27970), (252, 27979), (285, 28060), (292, 28084), (309, 28153), (320, 28192), (325, 28210), (327, 28213), (332, 28225), (333, 28228), (336, 28240), (339, 28255), (346, 28279), (349, 28285), (363, 28306), (381, 28342), (382, 28345), (390, 28381), (392, 28387), (397, 28402), (404, 28417), (438, 28486), (447, 28501), (473, 28543), (483, 28588), (486, 28597), (494, 28636), (497, 28654), (503, 28675), (509, 28690), (511, 28699), (512, 28702),

Gene: LaterM_42 Start: 33376, Stop: 34464, Start Num: 131

Candidate Starts for LaterM_42:

(Start: 131 @33376 has 287 MA's), (Start: 170 @33478 has 6 MA's), (181, 33502), (193, 33538), (215, 33589), (229, 33652), (236, 33676), (250, 33730), (251, 33733), (289, 33814), (307, 33883), (308, 33886), (318, 33916), (359, 34036), (389, 34114), (396, 34141), (471, 34276),

Gene: Lawnathon_40 Start: 27623, Stop: 26484, Start Num: 131

Candidate Starts for Lawnathon_40:

(Start: 131 @27623 has 287 MA's), (Start: 150 @27572 has 14 MA's), (215, 27404), (220, 27386), (259, 27254), (285, 27176), (289, 27164), (290, 27158), (307, 27089), (310, 27080), (329, 27020), (360, 26930), (397, 26825), (405, 26804), (416, 26777), (473, 26654), (480, 26630), (482, 26615), (498, 26540), (508, 26510),

Gene: LeMond_45 Start: 33694, Stop: 34779, Start Num: 131

Candidate Starts for LeMond_45:

(56, 33526), (Start: 131 @33694 has 287 MA's), (183, 33829), (193, 33856), (236, 33994), (246, 34036), (250, 34048), (289, 34132), (307, 34201), (308, 34204), (320, 34246), (359, 34354), (396, 34459), (438, 34546), (471, 34594), (495, 34702), (509, 34750),

Gene: LeoAvram_33 Start: 26179, Stop: 25127, Start Num: 156

Candidate Starts for LeoAvram_33:

(Start: 96 @26293 has 3 MA's), (Start: 115 @26266 has 1 MA's), (Start: 124 @26248 has 117 MA's), (Start: 156 @26179 has 8 MA's), (Start: 170 @26125 has 6 MA's), (240, 25906), (243, 25897), (252, 25861), (281, 25819), (284, 25807), (285, 25804), (307, 25726), (348, 25591), (359, 25573), (390, 25486), (392, 25480), (399, 25459), (406, 25444), (412, 25426), (475, 25288), (487, 25240), (493, 25210), (494, 25204), (496, 25192), (508, 25153),

Gene: Leogania_35 Start: 28027, Stop: 26906, Start Num: 124

Candidate Starts for Leogania_35:

(Start: 85 @28090 has 1 MA's), (Start: 124 @28027 has 117 MA's), (Start: 150 @27973 has 14 MA's), (Start: 170 @27904 has 6 MA's), (186, 27859), (252, 27640), (303, 27529), (320, 27460), (359, 27352), (361, 27349), (367, 27340), (390, 27265), (392, 27259), (399, 27238), (406, 27223), (412, 27205), (475, 27067), (487, 27019), (488, 27016), (493, 26989), (494, 26983), (496, 26971), (508, 26932),

Gene: Leroy_50 Start: 33450, Stop: 34544, Start Num: 131

Candidate Starts for Leroy_50:

(Start: 131 @33450 has 287 MA's), (Start: 150 @33501 has 14 MA's), (180, 33573), (182, 33579), (191, 33606), (209, 33651), (222, 33693), (240, 33765), (284, 33870), (289, 33885), (301, 33930), (320, 34002), (332, 34035), (333, 34038), (336, 34050), (399, 34215), (480, 34377), (481, 34380), (486, 34407), (490, 34419), (512, 34512),

Gene: Leviathan_35 Start: 26826, Stop: 25681, Start Num: 104

Candidate Starts for Leviathan_35:

(Start: 104 @26826 has 7 MA's), (Start: 116 @26808 has 7 MA's), (Start: 156 @26724 has 8 MA's), (Start: 170 @26676 has 6 MA's), (186, 26631), (243, 26448), (252, 26412), (285, 26355), (289, 26343), (318, 26244), (325, 26214), (359, 26124), (367, 26112), (390, 26037), (392, 26031), (399, 26010), (406, 25995), (412, 25977), (423, 25950), (475, 25839), (487, 25791), (488, 25788), (493, 25761), (494, 25755), (496, 25743), (508, 25704),

Gene: LilPharaoh_36 Start: 31976, Stop: 33070, Start Num: 131

Candidate Starts for LilPharaoh_36:

(25, 31625), (27, 31640), (39, 31733), (44, 31754), (70, 31847), (Start: 131 @31976 has 287 MA's), (Start: 150 @32027 has 14 MA's), (181, 32102), (193, 32138), (224, 32234), (229, 32252), (236, 32276), (248, 32324), (250, 32330), (300, 32462), (307, 32495), (320, 32540), (359, 32648), (396, 32753), (427, 32813), (471, 32888), (495, 32996), (504, 33032),

Gene: LilSpotty_38 Start: 27607, Stop: 28713, Start Num: 131

Candidate Starts for LilSpotty_38:

(Start: 131 @27607 has 287 MA's), (189, 27766), (199, 27802), (250, 27979), (289, 28063), (301, 28108), (307, 28132), (317, 28162), (318, 28165), (329, 28201), (332, 28210), (333, 28213), (346, 28264), (359, 28285), (389, 28363), (392, 28378), (421, 28438), (438, 28477), (447, 28492), (473, 28543), (480, 28567), (483, 28588),

Gene: LilTurb_34 Start: 26659, Stop: 25508, Start Num: 104

Candidate Starts for LilTurb_34:

(Start: 104 @26659 has 7 MA's), (Start: 116 @26641 has 7 MA's), (Start: 156 @26557 has 8 MA's), (Start: 170 @26509 has 6 MA's), (186, 26464), (243, 26281), (252, 26245), (285, 26188), (289, 26176), (292, 26161), (318, 26077), (320, 26065), (325, 26047), (359, 25957), (367, 25945), (390, 25870), (392, 25864), (399, 25843), (406, 25828), (412, 25810), (423, 25783), (475, 25672), (487, 25624), (488, 25621), (493, 25594), (494, 25588), (496, 25576), (508, 25537),

Gene: Lilas_38 Start: 32714, Stop: 33796, Start Num: 130

Candidate Starts for Lilas_38:

(Start: 130 @32714 has 52 MA's), (Start: 175 @32831 has 1 MA's), (209, 32924), (284, 33146), (294, 33182), (308, 33236), (330, 33305), (333, 33314), (480, 33653), (485, 33680), (511, 33785),

Gene: Lilith_36 Start: 26744, Stop: 25638, Start Num: 144

Candidate Starts for Lilith_36:

(Start: 124 @26783 has 117 MA's), (Start: 144 @26744 has 10 MA's), (Start: 170 @26660 has 6 MA's), (186, 26615), (236, 26459), (243, 26432), (252, 26396), (285, 26339), (307, 26261), (315, 26237), (325, 26198), (348, 26126), (354, 26114), (359, 26108), (367, 26096), (390, 26021), (392, 26015), (399, 25994), (406, 25979), (412, 25961), (422, 25937), (475, 25823), (486, 25778), (487, 25775), (490, 25766), (493, 25745), (494, 25739), (496, 25727), (508, 25688),

Gene: LindNT_41 Start: 32665, Stop: 33753, Start Num: 131

Candidate Starts for LindNT_41:

(63, 32518), (Start: 131 @32665 has 287 MA's), (Start: 170 @32767 has 6 MA's), (181, 32791), (193, 32827), (236, 32965), (250, 33019), (289, 33103), (307, 33172), (308, 33175), (359, 33325), (396, 33430), (438, 33517), (471, 33565), (504, 33709),

Gene: LionsBait_35 Start: 27714, Stop: 26557, Start Num: 124

Candidate Starts for LionsBait_35:

(Start: 124 @27714 has 117 MA's), (Start: 170 @27591 has 6 MA's), (178, 27573), (186, 27546), (243, 27363), (252, 27327), (285, 27270), (307, 27192), (359, 27039), (367, 27027), (390, 26952), (392, 26946), (399, 26925), (406, 26910), (412, 26892), (419, 26871), (475, 26754), (487, 26706), (488, 26703), (493, 26676), (494, 26670), (496, 26658), (508, 26619), (517, 26589),

Gene: LitninMcQueen_43 Start: 31304, Stop: 32401, Start Num: 131

Candidate Starts for LitninMcQueen_43:

(28, 30968), (41, 31064), (97, 31247), (Start: 131 @31304 has 287 MA's), (Start: 150 @31355 has 14 MA's), (180, 31427), (182, 31433), (191, 31460), (209, 31505), (222, 31547), (250, 31655), (284, 31724), (289, 31739), (308, 31814), (320, 31856), (332, 31889), (333, 31892), (336, 31904), (382, 32006), (413, 32099), (447, 32171), (473, 32207), (480, 32231), (485, 32258), (495, 32306), (512, 32366),

Gene: LittleE_82 Start: 51604, Stop: 52791, Start Num: 139

Candidate Starts for LittleE_82:

(71, 51460), (Start: 84 @51502 has 1 MA's), (Start: 93 @51517 has 10 MA's), (95, 51520), (122, 51565), (Start: 139 @51604 has 1 MA's), (250, 51985), (281, 52069), (284, 52081), (285, 52084), (320, 52213), (376, 52333), (396, 52396), (404, 52414), (412, 52438), (438, 52510), (492, 52687), (493, 52690), (494, 52696), (497, 52714), (500, 52729), (504, 52738), (505, 52741), (519, 52786),

Gene: Llorens_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Llorens_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: LonelyBoi_38 Start: 32508, Stop: 33590, Start Num: 130

Candidate Starts for LonelyBoi_38:

(Start: 130 @32508 has 52 MA's), (Start: 150 @32562 has 14 MA's), (197, 32682), (292, 32967), (308, 33027), (336, 33117), (381, 33222), (480, 33447), (485, 33474), (511, 33579),

Gene: LordFarquaad_35 Start: 27696, Stop: 28778, Start Num: 130

Candidate Starts for LordFarquaad_35:

(Start: 74 @27585 has 6 MA's), (Start: 130 @27696 has 52 MA's), (Start: 150 @27750 has 14 MA's), (197, 27870), (284, 28125), (292, 28155), (308, 28215), (329, 28281), (336, 28305), (480, 28635), (485, 28662), (511, 28767),

Gene: Lorde_42 Start: 31143, Stop: 32261, Start Num: 131

Candidate Starts for Lorde_42:

(Start: 131 @31143 has 287 MA's), (135, 31152), (193, 31314), (240, 31479), (250, 31515), (252, 31524), (285, 31605), (292, 31629), (309, 31698), (320, 31737), (325, 31755), (327, 31758), (332, 31770), (333, 31773), (336, 31785), (346, 31824), (349, 31830), (363, 31851), (381, 31887), (382, 31890), (390, 31926), (392, 31932), (397, 31947), (438, 32031), (447, 32046), (463, 32064), (483, 32133), (486, 32142), (494, 32181), (497, 32199), (503, 32220), (509, 32235), (511, 32244), (512, 32247),

Gene: Lowa_36 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for Lowa_36:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Lton_34 Start: 25220, Stop: 26299, Start Num: 131

Candidate Starts for Lton_34:

(Start: 131 @25220 has 287 MA's), (191, 25376), (245, 25556), (308, 25727), (320, 25769), (334, 25808), (336, 25817), (392, 25973), (447, 26096), (480, 26156), (485, 26183), (493, 26219), (495, 26231), (511, 26288),

Gene: Lucky10_35 Start: 28235, Stop: 29314, Start Num: 131

Candidate Starts for Lucky10_35:

(20, 27794), (34, 27947), (40, 27989), (80, 28145), (113, 28199), (Start: 131 @28235 has 287 MA's), (191, 28391), (308, 28742), (320, 28784), (334, 28823), (336, 28832), (392, 28988), (447, 29111), (480, 29171), (495, 29246), (511, 29303),

Gene: Lucky2013_84 Start: 50079, Stop: 51353, Start Num: 93

Candidate Starts for Lucky2013_84:

(71, 50022), (Start: 84 @50064 has 1 MA's), (Start: 93 @50079 has 10 MA's), (95, 50082), (122, 50127), (Start: 139 @50166 has 1 MA's), (250, 50547), (281, 50631), (284, 50643), (285, 50646), (320, 50775), (376, 50895), (396, 50958), (404, 50976), (412, 51000), (438, 51072), (492, 51249), (493, 51252), (494, 51258), (497, 51276), (500, 51291), (504, 51300), (505, 51303), (519, 51348),

Gene: LugYA_38 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for LugYA_38:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: LunaBlu_46 Start: 33438, Stop: 34556, Start Num: 131

Candidate Starts for LunaBlu_46:

(Start: 131 @33438 has 287 MA's), (135, 33447), (193, 33609), (240, 33774), (250, 33810), (252, 33819), (292, 33924), (309, 33993), (320, 34032), (325, 34050), (327, 34053), (332, 34065), (333, 34068), (336, 34080), (339, 34095), (346, 34119), (349, 34125), (363, 34146), (381, 34182), (382, 34185), (390, 34221), (392, 34227), (397, 34242), (404, 34257), (438, 34326), (447, 34341), (473, 34383), (483, 34428), (486, 34437), (494, 34476), (497, 34494), (503, 34515), (509, 34530), (511, 34539), (512, 34542),

Gene: LunaStella_42 Start: 31631, Stop: 32749, Start Num: 131

Candidate Starts for LunaStella_42:

(Start: 131 @31631 has 287 MA's), (135, 31640), (182, 31769), (193, 31802), (209, 31850), (250, 32003), (252, 32012), (285, 32093), (309, 32186), (327, 32246), (332, 32258), (333, 32261), (339, 32288), (346, 32312), (363, 32339), (381, 32375), (382, 32378), (390, 32414), (404, 32450), (438, 32519), (447, 32534), (463, 32552), (483, 32621), (486, 32630), (494, 32669), (497, 32687), (503, 32708), (509, 32723),

Gene: Lunahalos_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Lunahalos_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Lutum_50 Start: 32526, Stop: 33596, Start Num: 131

Candidate Starts for Lutum_50:

(Start: 131 @32526 has 287 MA's), (Start: 150 @32577 has 14 MA's), (182, 32655), (191, 32682), (250, 32877), (252, 32886), (282, 32937), (284, 32946), (285, 32949), (289, 32961), (301, 33006), (310, 33042), (320, 33078), (332, 33111), (333, 33114), (336, 33126), (402, 33294), (447, 33393), (480, 33453), (485, 33480), (486, 33483), (491, 33510), (493, 33516), (495, 33528), (511, 33585),

Gene: MA5_33 Start: 25943, Stop: 24819, Start Num: 124

Candidate Starts for MA5_33:

(Start: 124 @25943 has 117 MA's), (Start: 170 @25820 has 6 MA's), (186, 25775), (215, 25703), (240, 25601), (243, 25592), (252, 25556), (285, 25499), (307, 25421), (359, 25268), (367, 25256), (386, 25199), (390, 25181), (392, 25175), (399, 25154), (406, 25139), (412, 25121), (487, 24935), (493, 24905), (494, 24899), (496, 24887), (508, 24848),

Gene: MK4_33 Start: 26050, Stop: 24926, Start Num: 124

Candidate Starts for MK4_33:

(Start: 99 @26092 has 1 MA's), (Start: 124 @26050 has 117 MA's), (Start: 170 @25927 has 6 MA's), (186, 25882), (215, 25810), (226, 25762), (240, 25708), (243, 25699), (252, 25663), (285, 25606), (359, 25375), (367, 25363), (375, 25342), (390, 25288), (392, 25282), (399, 25261), (406, 25246), (412, 25228), (423, 25201), (475, 25090), (487, 25042), (488, 25039), (493, 25012), (494, 25006), (496, 24994), (500, 24973), (508, 24955),

Gene: MUWow_39 Start: 27853, Stop: 26681, Start Num: 131

Candidate Starts for MUWow_39:

(Start: 131 @27853 has 287 MA's), (174, 27736), (181, 27721), (220, 27616), (243, 27520), (259, 27484), (285, 27406), (307, 27319), (310, 27310), (329, 27250), (405, 27034), (413, 27010), (416, 27007), (473, 26884), (480, 26860), (482, 26845), (512, 26725), (519, 26698),

Gene: MadMarie_36 Start: 26792, Stop: 25647, Start Num: 124

Candidate Starts for MadMarie_36:

(Start: 124 @26792 has 117 MA's), (Start: 144 @26753 has 10 MA's), (159, 26705), (Start: 170 @26669 has 6 MA's), (186, 26624), (236, 26468), (243, 26441), (252, 26405), (285, 26348), (307, 26270), (315, 26246), (325, 26207), (348, 26135), (354, 26123), (359, 26117), (367, 26105), (390, 26030), (392, 26024), (399, 26003), (406, 25988), (412, 25970), (422, 25946), (475, 25832), (486, 25787), (487, 25784), (490, 25775), (493, 25754), (494, 25748), (496, 25736), (508, 25697),

Gene: Mainiac_36 Start: 26783, Stop: 25638, Start Num: 124

Candidate Starts for Mainiac_36:

(Start: 124 @26783 has 117 MA's), (Start: 144 @26744 has 10 MA's), (159, 26696), (Start: 170 @26660 has 6 MA's), (186, 26615), (236, 26459), (243, 26432), (252, 26396), (285, 26339), (307, 26261), (315, 26237), (325, 26198), (348, 26126), (354, 26114), (359, 26108), (367, 26096), (390, 26021), (392, 26015), (399, 25994), (406, 25979), (412, 25961), (422, 25937), (475, 25823), (486, 25778), (487, 25775), (490, 25766), (493, 25745), (494, 25739), (496, 25727), (508, 25688),

Gene: MajorMajor_34 Start: 25599, Stop: 24475, Start Num: 124

Candidate Starts for MajorMajor_34:

(Start: 124 @25599 has 117 MA's), (157, 25521), (Start: 170 @25476 has 6 MA's), (186, 25431), (209, 25371), (243, 25248), (252, 25212), (284, 25158), (285, 25155), (320, 25032), (321, 25029), (325, 25014), (354, 24930), (359, 24924), (375, 24891), (381, 24876), (390, 24837), (399, 24810), (406, 24795), (412, 24777), (423, 24750), (475, 24639), (487, 24591), (488, 24588), (490, 24582), (493, 24561), (494, 24555), (496, 24543), (508, 24504),

Gene: MakCheese_48 Start: 36086, Stop: 34929, Start Num: 131

Candidate Starts for MakCheese_48:

(Start: 131 @36086 has 287 MA's), (225, 35825), (243, 35759), (246, 35744), (250, 35732), (257, 35702), (284, 35588), (292, 35558), (308, 35498), (336, 35408), (346, 35369), (397, 35243), (399, 35237), (402, 35234), (416, 35204), (417, 35198), (427, 35174), (480, 35072), (495, 34997), (511, 34940),

Gene: Malec_36 Start: 27350, Stop: 26235, Start Num: 131

Candidate Starts for Malec_36:

(58, 27515), (111, 27389), (Start: 131 @27350 has 287 MA's), (Start: 144 @27317 has 10 MA's), (159, 27269), (Start: 170 @27233 has 6 MA's), (186, 27188), (201, 27146), (203, 27143), (236, 27032), (243, 27005), (252, 26969), (289, 26900), (303, 26858), (320, 26789), (325, 26771), (359, 26681), (390, 26594), (392, 26588), (399, 26567), (406, 26552), (412, 26534), (423, 26507), (475, 26396), (486, 26351), (487, 26348), (488, 26345), (490, 26339), (493, 26318), (494, 26312), (496, 26300), (508, 26261),

Gene: Malinsilva_38 Start: 26743, Stop: 25637, Start Num: 144

Candidate Starts for Malinsilva_38:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Manasvini_39 Start: 30564, Stop: 31646, Start Num: 130

Candidate Starts for Manasvini_39:

(Start: 74 @30453 has 6 MA's), (Start: 130 @30564 has 52 MA's), (Start: 150 @30618 has 14 MA's), (197, 30738), (284, 30993), (292, 31023), (308, 31083), (329, 31149), (336, 31173), (480, 31503), (485, 31530), (511, 31635),

Gene: Mandlovu_40 Start: 31729, Stop: 32847, Start Num: 131

Candidate Starts for Mandlovu_40:

(Start: 131 @31729 has 287 MA's), (193, 31900), (240, 32065), (250, 32101), (252, 32110), (292, 32215), (309, 32284), (320, 32323), (327, 32344), (332, 32356), (333, 32359), (336, 32371), (346, 32410), (349, 32416), (363, 32437), (381, 32473), (382, 32476), (390, 32512), (392, 32518), (396, 32530), (397, 32533), (404, 32548), (438, 32617), (447, 32632), (463, 32650), (483, 32719), (486, 32728), (494, 32767), (497, 32785), (503, 32806), (509, 32821), (511, 32830), (512, 32833),

Gene: Manu_36 Start: 26643, Stop: 25498, Start Num: 124

Candidate Starts for Manu_36:

(Start: 85 @26706 has 1 MA's), (Start: 124 @26643 has 117 MA's), (Start: 150 @26589 has 14 MA's), (Start: 170 @26520 has 6 MA's), (240, 26301), (243, 26292), (252, 26256), (285, 26199), (307, 26121), (318, 26088), (348, 25986), (359, 25968), (367, 25956), (390, 25881), (392, 25875), (399, 25854), (406, 25839), (412, 25821), (422, 25797), (486, 25638), (487, 25635), (493, 25605), (494, 25599), (496, 25587), (508, 25548),

Gene: MarQuardt_36 Start: 26791, Stop: 25646, Start Num: 124

Candidate Starts for MarQuardt_36:

(Start: 124 @26791 has 117 MA's), (Start: 144 @26752 has 10 MA's), (159, 26704), (Start: 170 @26668 has 6 MA's), (186, 26623), (236, 26467), (243, 26440), (252, 26404), (285, 26347), (307, 26269), (315, 26245), (325, 26206), (348, 26134), (354, 26122), (359, 26116), (367, 26104), (390, 26029), (392, 26023), (399, 26002), (406, 25987), (412, 25969), (422, 25945), (475, 25831), (486, 25786), (487, 25783), (490, 25774), (493, 25753), (494, 25747), (496, 25735), (508, 25696),

Gene: Marchesa_33 Start: 26268, Stop: 25228, Start Num: 159

Candidate Starts for Marchesa_33:

(Start: 124 @26355 has 117 MA's), (159, 26268), (Start: 170 @26232 has 6 MA's), (186, 26187), (209, 26127), (236, 26031), (238, 26019), (240, 26013), (252, 25968), (284, 25914), (285, 25911), (291, 25887), (348, 25698), (359, 25680), (367, 25668), (382, 25629), (390, 25593), (392, 25587), (399, 25566), (406, 25551), (412, 25533), (475, 25395), (487, 25347), (493, 25317), (494, 25311), (496, 25299), (508, 25260),

Gene: Marcoliusprime_43 Start: 34317, Stop: 35417, Start Num: 131

Candidate Starts for Marcoliusprime_43:

(Start: 131 @34317 has 287 MA's), (137, 34335), (181, 34443), (193, 34479), (229, 34593), (236, 34617), (250, 34671), (302, 34812), (307, 34836), (308, 34839), (320, 34881), (359, 34989), (396, 35094), (418, 35139), (427, 35154), (495, 35346),

Gene: Maridalia_39 Start: 30563, Stop: 31645, Start Num: 130

Candidate Starts for Maridalia_39:

(Start: 74 @30452 has 6 MA's), (Start: 130 @30563 has 52 MA's), (Start: 150 @30617 has 14 MA's), (197, 30737), (308, 31082), (336, 31172), (381, 31277), (480, 31502), (485, 31529), (495, 31577), (511, 31634), (512, 31637),

Gene: Marie_36 Start: 26789, Stop: 25644, Start Num: 124

Candidate Starts for Marie_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: Marius_36 Start: 26643, Stop: 25498, Start Num: 124

Candidate Starts for Marius_36:

(Start: 85 @26706 has 1 MA's), (Start: 124 @26643 has 117 MA's), (Start: 150 @26589 has 14 MA's), (Start: 170 @26520 has 6 MA's), (240, 26301), (243, 26292), (252, 26256), (285, 26199), (307, 26121), (318, 26088), (348, 25986), (359, 25968), (367, 25956), (390, 25881), (392, 25875), (399, 25854), (406, 25839), (412, 25821), (422, 25797), (486, 25638), (487, 25635), (493, 25605), (494, 25599), (496, 25587), (508, 25548),

Gene: MarkPhew_44 Start: 33135, Stop: 34214, Start Num: 131

Candidate Starts for MarkPhew_44:

(14, 32601), (16, 32619), (17, 32631), (19, 32697), (44, 32913), (56, 32967), (66, 32994), (Start: 131 @33135 has 287 MA's), (193, 33297), (197, 33306), (211, 33339), (236, 33432), (246, 33474), (250, 33486), (289, 33570), (292, 33585), (307, 33639), (308, 33642), (320, 33684), (359, 33792), (396, 33897), (438, 33984), (471, 34032), (495, 34140), (509, 34188),

Gene: Marleymoo_72 Start: 50924, Stop: 52153, Start Num: 115

Candidate Starts for Marleymoo_72:

(Start: 115 @50924 has 1 MA's), (122, 50942), (Start: 139 @50981 has 1 MA's), (213, 51218), (240, 51326), (281, 51446), (282, 51449), (284, 51458), (289, 51473), (320, 51590), (369, 51707), (376, 51710), (381, 51719), (394, 51770), (396, 51773), (404, 51791), (438, 51887), (492, 52064), (493, 52067), (497, 52091), (504, 52115), (505, 52118),

Gene: Marshawn_44 Start: 33433, Stop: 34515, Start Num: 131

Candidate Starts for Marshawn_44:

(Start: 131 @33433 has 287 MA's), (Start: 150 @33484 has 14 MA's), (181, 33559), (193, 33595), (248, 33781), (250, 33787), (289, 33871), (307, 33940), (308, 33943), (320, 33985), (359, 34093),

(396, 34198), (438, 34285), (471, 34333), (509, 34489), (516, 34510),

Gene: Marteena_36 Start: 30030, Stop: 31136, Start Num: 131

Candidate Starts for Marteena_36:

(Start: 96 @29973 has 3 MA's), (Start: 131 @30030 has 287 MA's), (Start: 150 @30081 has 14 MA's), (191, 30186), (194, 30195), (208, 30225), (287, 30459), (289, 30465), (307, 30534), (308, 30537), (318, 30567), (333, 30618), (336, 30630), (421, 30858), (447, 30918), (480, 30993), (486, 31023), (511, 31125),

Gene: Maruru_31 Start: 28515, Stop: 29489, Start Num: 199

Candidate Starts for Maruru_31:

(15, 27732), (49, 28143), (108, 28296), (Start: 131 @28338 has 287 MA's), (135, 28347), (174, 28449), (199, 28515), (215, 28551), (261, 28692), (285, 28764), (339, 28959), (450, 29247), (482, 29343), (485, 29355), (486, 29358),

Gene: MaterMagnus_40 Start: 27779, Stop: 26640, Start Num: 131

Candidate Starts for MaterMagnus_40:

(Start: 131 @27779 has 287 MA's), (Start: 150 @27728 has 14 MA's), (215, 27560), (220, 27542), (259, 27410), (285, 27332), (289, 27320), (290, 27314), (307, 27245), (310, 27236), (329, 27176), (360, 27086), (397, 26981), (405, 26960), (416, 26933), (473, 26810), (480, 26786), (482, 26771), (498, 26696), (508, 26666),

Gene: Matteo_30 Start: 25426, Stop: 26508, Start Num: 130

Candidate Starts for Matteo_30:

(Start: 72 @25309 has 2 MA's), (Start: 74 @25315 has 6 MA's), (Start: 130 @25426 has 52 MA's), (Start: 150 @25480 has 14 MA's), (197, 25600), (284, 25855), (292, 25885), (308, 25945), (329, 26011), (336, 26035), (381, 26140), (480, 26365), (485, 26392), (511, 26497),

Gene: Mattes_43 Start: 32094, Stop: 33212, Start Num: 131

Candidate Starts for Mattes_43:

(Start: 131 @32094 has 287 MA's), (182, 32232), (193, 32265), (209, 32313), (240, 32430), (250, 32466), (252, 32475), (292, 32580), (309, 32649), (327, 32709), (332, 32721), (333, 32724), (336, 32736), (339, 32751), (346, 32775), (349, 32781), (363, 32802), (381, 32838), (382, 32841), (390, 32877), (392, 32883), (396, 32895), (397, 32898), (438, 32982), (447, 32997), (473, 33039), (483, 33084), (486, 33093), (494, 33132), (497, 33150), (503, 33171), (509, 33186), (511, 33195), (512, 33198),

Gene: Maxo_33 Start: 26250, Stop: 25129, Start Num: 124

Candidate Starts for Maxo_33:

(Start: 96 @26295 has 3 MA's), (Start: 115 @26268 has 1 MA's), (Start: 124 @26250 has 117 MA's), (Start: 156 @26181 has 8 MA's), (Start: 170 @26127 has 6 MA's), (240, 25908), (243, 25899), (252, 25863), (281, 25821), (284, 25809), (285, 25806), (307, 25728), (348, 25593), (359, 25575), (390, 25488), (392, 25482), (399, 25461), (406, 25446), (412, 25428), (475, 25290), (487, 25242), (493, 25212), (494, 25206), (496, 25194), (508, 25155),

Gene: Mbo4_31 Start: 29712, Stop: 28447, Start Num: 131

Candidate Starts for Mbo4_31:

(Start: 131 @29712 has 287 MA's), (136, 29697), (152, 29658), (168, 29595), (187, 29538), (194, 29523), (216, 29448), (219, 29439), (224, 29412), (243, 29346), (252, 29310), (256, 29301), (269, 29265), (271, 29262), (273, 29253), (276, 29244), (280, 29226), (281, 29223), (285, 29208), (299, 29142), (303, 29127), (305, 29121), (318, 29076), (324, 29052), (329, 29043), (335, 29022), (338, 29007), (341, 28998), (348, 28974), (351, 28965), (356, 28956), (383, 28893), (387, 28875), (388, 28872), (400, 28830), (403, 28824), (408, 28809), (410, 28803), (417, 28779), (427, 28758), (448,

28707), (458, 28692), (467, 28674), (476, 28638), (480, 28626), (482, 28611), (493, 28563), (494, 28557), (496, 28545), (499, 28530), (502, 28518), (511, 28494), (513, 28488),

Gene: McMater_43 Start: 33014, Stop: 34105, Start Num: 131

Candidate Starts for McMater_43:

(11, 32333), (18, 32477), (29, 32681), (42, 32780), (43, 32789), (48, 32816), (62, 32864), (Start: 131 @33014 has 287 MA's), (Start: 150 @33065 has 14 MA's), (181, 33140), (193, 33176), (229, 33290), (236, 33314), (250, 33368), (289, 33452), (296, 33485), (307, 33521), (308, 33524), (320, 33566), (346, 33653), (359, 33674), (396, 33782), (427, 33842), (464, 33905), (471, 33917), (495, 34025), (504, 34061),

Gene: Mcklovin_36 Start: 33917, Stop: 35044, Start Num: 131

Candidate Starts for Mcklovin_36:

(46, 33698), (52, 33734), (Start: 131 @33917 has 287 MA's), (Start: 150 @33971 has 14 MA's), (204, 34127), (230, 34217), (238, 34250), (307, 34445), (308, 34448), (320, 34490), (333, 34526), (449, 34823), (480, 34901), (490, 34943), (494, 34970), (511, 35033),

Gene: MeaningOfLife_42 Start: 33409, Stop: 34497, Start Num: 131

Candidate Starts for MeaningOfLife_42:

(Start: 131 @33409 has 287 MA's), (Start: 170 @33511 has 6 MA's), (181, 33535), (193, 33571), (236, 33709), (250, 33763), (289, 33847), (307, 33916), (308, 33919), (322, 33967), (359, 34069), (396, 34174), (438, 34261), (471, 34309), (504, 34453),

Gene: Medusa_33 Start: 26128, Stop: 25130, Start Num: 170

Candidate Starts for Medusa_33:

(Start: 96 @26296 has 3 MA's), (Start: 115 @26269 has 1 MA's), (Start: 124 @26251 has 117 MA's), (Start: 156 @26182 has 8 MA's), (Start: 170 @26128 has 6 MA's), (240, 25909), (243, 25900), (252, 25864), (281, 25822), (284, 25810), (285, 25807), (307, 25729), (348, 25594), (359, 25576), (390, 25489), (399, 25462), (406, 25447), (412, 25429), (475, 25291), (487, 25243), (493, 25213), (494, 25207), (496, 25195), (508, 25156),

Gene: Megsy_42 Start: 32724, Stop: 33812, Start Num: 131

Candidate Starts for Megsy_42:

(Start: 131 @32724 has 287 MA's), (Start: 170 @32826 has 6 MA's), (181, 32850), (193, 32886), (236, 33024), (250, 33078), (289, 33162), (307, 33231), (308, 33234), (359, 33384), (389, 33462), (396, 33489), (471, 33624), (504, 33768),

Gene: Melissauren88_42 Start: 32565, Stop: 33683, Start Num: 131

Candidate Starts for Melissauren88_42:

(Start: 131 @32565 has 287 MA's), (135, 32574), (193, 32736), (240, 32901), (250, 32937), (252, 32946), (292, 33051), (309, 33120), (320, 33159), (327, 33180), (332, 33192), (333, 33195), (336, 33207), (346, 33246), (349, 33252), (363, 33273), (381, 33309), (382, 33312), (390, 33348), (392, 33354), (397, 33369), (404, 33384), (438, 33453), (447, 33468), (473, 33510), (483, 33555), (486, 33564), (494, 33603), (497, 33621), (503, 33642), (509, 33657), (511, 33666), (512, 33669),

Gene: Melvin_33 Start: 26249, Stop: 25128, Start Num: 124

Candidate Starts for Melvin_33:

(Start: 96 @26294 has 3 MA's), (Start: 115 @26267 has 1 MA's), (Start: 124 @26249 has 117 MA's), (Start: 156 @26180 has 8 MA's), (Start: 170 @26126 has 6 MA's), (240, 25907), (243, 25898), (252, 25862), (281, 25820), (284, 25808), (285, 25805), (307, 25727), (348, 25592), (359, 25574), (390, 25487), (399, 25460), (406, 25445), (412, 25427), (475, 25289), (487, 25241), (493, 25211), (494, 25205), (496, 25193), (508, 25154),

Gene: MiaZeal_87 Start: 50735, Stop: 52009, Start Num: 93

Candidate Starts for MiaZeal_87:

(71, 50678), (Start: 84 @50720 has 1 MA's), (Start: 93 @50735 has 10 MA's), (95, 50738), (122, 50783), (Start: 139 @50822 has 1 MA's), (250, 51203), (281, 51287), (284, 51299), (285, 51302), (320, 51431), (376, 51551), (396, 51614), (404, 51632), (412, 51656), (438, 51728), (492, 51905), (493, 51908), (494, 51914), (497, 51932), (500, 51947), (504, 51956), (505, 51959), (519, 52004),

Gene: MichaelScott_40 Start: 30472, Stop: 31599, Start Num: 131

Candidate Starts for MichaelScott_40:

(107, 30433), (Start: 131 @30472 has 287 MA's), (Start: 150 @30526 has 14 MA's), (191, 30649), (204, 30682), (230, 30772), (238, 30805), (307, 31000), (308, 31003), (320, 31045), (333, 31081), (449, 31378), (480, 31456), (485, 31483), (490, 31498), (494, 31525), (511, 31588),

Gene: Microwolf_36 Start: 26752, Stop: 25646, Start Num: 144

Candidate Starts for Microwolf_36:

(Start: 124 @26791 has 117 MA's), (Start: 144 @26752 has 10 MA's), (Start: 170 @26668 has 6 MA's), (186, 26623), (236, 26467), (243, 26440), (252, 26404), (285, 26347), (307, 26269), (315, 26245), (325, 26206), (348, 26134), (354, 26122), (359, 26116), (367, 26104), (390, 26029), (392, 26023), (399, 26002), (406, 25987), (412, 25969), (422, 25945), (475, 25831), (486, 25786), (487, 25783), (490, 25774), (493, 25753), (494, 25747), (496, 25735), (508, 25696),

Gene: MiculUcigas_34 Start: 26502, Stop: 25381, Start Num: 124

Candidate Starts for MiculUcigas_34:

(Start: 85 @26565 has 1 MA's), (Start: 124 @26502 has 117 MA's), (Start: 150 @26448 has 14 MA's), (Start: 170 @26379 has 6 MA's), (186, 26334), (227, 26208), (243, 26151), (252, 26115), (284, 26061), (285, 26058), (320, 25935), (325, 25917), (359, 25827), (367, 25815), (390, 25740), (392, 25734), (399, 25713), (406, 25698), (412, 25680), (423, 25653), (487, 25494), (493, 25464), (494, 25458), (496, 25446), (508, 25407),

Gene: MidnightRain_42 Start: 28565, Stop: 27426, Start Num: 131

Candidate Starts for MidnightRain_42:

(Start: 131 @28565 has 287 MA's), (Start: 150 @28514 has 14 MA's), (215, 28346), (220, 28328), (259, 28196), (285, 28118), (289, 28106), (307, 28031), (310, 28022), (329, 27962), (360, 27872), (397, 27767), (405, 27746), (416, 27719), (473, 27596), (480, 27572), (482, 27557), (498, 27482), (508, 27452),

Gene: MilanaBonita_37 Start: 29110, Stop: 30237, Start Num: 131

Candidate Starts for MilanaBonita_37:

(75, 29008), (103, 29065), (Start: 131 @29110 has 287 MA's), (135, 29119), (193, 29281), (208, 29332), (215, 29350), (224, 29395), (250, 29491), (252, 29500), (292, 29605), (309, 29674), (320, 29713), (327, 29734), (332, 29746), (333, 29749), (336, 29761), (346, 29800), (349, 29806), (363, 29827), (381, 29863), (382, 29866), (390, 29902), (392, 29908), (396, 29920), (397, 29923), (404, 29938), (438, 30007), (447, 30022), (463, 30040), (473, 30064), (483, 30109), (486, 30118), (490, 30130), (494, 30157), (497, 30175), (503, 30196), (509, 30211), (511, 30220), (512, 30223),

Gene: MilleniumForce_42 Start: 32868, Stop: 33986, Start Num: 131

Candidate Starts for MilleniumForce_42:

(Start: 131 @32868 has 287 MA's), (135, 32877), (193, 33039), (240, 33204), (250, 33240), (252, 33249), (285, 33330), (292, 33354), (309, 33423), (325, 33480), (327, 33483), (332, 33495), (333, 33498), (336, 33510), (346, 33549), (363, 33576), (381, 33612), (382, 33615), (390, 33651), (392, 33657), (397, 33672), (438, 33756), (447, 33771), (473, 33813), (483, 33858), (486, 33867), (494, 33906), (497, 33924), (503, 33945), (509, 33960), (511, 33969), (512, 33972),

Gene: Milly_43 Start: 34290, Stop: 35390, Start Num: 131

Candidate Starts for Milly_43:

(Start: 131 @34290 has 287 MA's), (137, 34308), (Start: 150 @34341 has 14 MA's), (181, 34416), (193, 34452), (229, 34566), (236, 34590), (250, 34644), (302, 34785), (307, 34809), (308, 34812), (320, 34854), (359, 34962), (396, 35067), (418, 35112), (427, 35127), (495, 35319),

Gene: MinionDave_43 Start: 33105, Stop: 34223, Start Num: 131

Candidate Starts for MinionDave_43:

(Start: 131 @33105 has 287 MA's), (135, 33114), (193, 33276), (209, 33324), (240, 33441), (250, 33477), (252, 33486), (292, 33591), (309, 33660), (320, 33699), (325, 33717), (327, 33720), (332, 33732), (333, 33735), (336, 33747), (346, 33786), (349, 33792), (363, 33813), (381, 33849), (382, 33852), (390, 33888), (392, 33894), (396, 33906), (397, 33909), (404, 33924), (438, 33993), (447, 34008), (463, 34026), (473, 34050), (483, 34095), (486, 34104), (494, 34143), (497, 34161), (503, 34182), (509, 34197), (511, 34206), (512, 34209),

Gene: Minnie_43 Start: 32650, Stop: 33768, Start Num: 131

Candidate Starts for Minnie_43:

(Start: 131 @32650 has 287 MA's), (182, 32788), (193, 32821), (209, 32869), (250, 33022), (252, 33031), (285, 33112), (309, 33205), (320, 33244), (325, 33262), (327, 33265), (332, 33277), (333, 33280), (336, 33292), (339, 33307), (346, 33331), (349, 33337), (363, 33358), (381, 33394), (382, 33397), (390, 33433), (392, 33439), (397, 33454), (404, 33469), (438, 33538), (447, 33553), (473, 33595), (483, 33640), (486, 33649), (494, 33688), (497, 33706), (503, 33727), (509, 33742), (511, 33751), (512, 33754),

Gene: MissWhite_33 Start: 25561, Stop: 24443, Start Num: 124

Candidate Starts for MissWhite_33:

(Start: 124 @25561 has 117 MA's), (143, 25525), (Start: 150 @25507 has 14 MA's), (Start: 170 @25438 has 6 MA's), (178, 25420), (204, 25345), (206, 25339), (236, 25237), (238, 25225), (243, 25210), (252, 25174), (284, 25120), (359, 24886), (367, 24874), (390, 24799), (392, 24793), (399, 24772), (406, 24757), (412, 24739), (423, 24712), (487, 24553), (488, 24550), (493, 24523), (494, 24517), (496, 24505), (508, 24466), (511, 24454),

Gene: Mocha12_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for Mocha12_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (365, 28553), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: MoneyMay_36 Start: 26789, Stop: 25644, Start Num: 124

Candidate Starts for MoneyMay_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: MooMoo_41 Start: 31904, Stop: 33025, Start Num: 131

Candidate Starts for MooMoo_41:

(Start: 131 @31904 has 287 MA's), (178, 32033), (193, 32075), (215, 32135), (224, 32180), (250, 32276), (252, 32285), (309, 32462), (327, 32522), (332, 32534), (333, 32537), (334, 32540), (336, 32549), (346, 32588), (349, 32594), (363, 32615), (381, 32651), (382, 32654), (390, 32690), (404, 32726), (416, 32741), (438, 32795), (447, 32810), (457, 32825), (483, 32897), (486, 32906), (490, 32918), (494, 32945), (497, 32963), (503, 32984), (509, 32999),

Gene: Moonbeam_41 Start: 32622, Stop: 33740, Start Num: 131

Candidate Starts for Moonbeam_41:

(Start: 131 @32622 has 287 MA's), (135, 32631), (193, 32793), (209, 32841), (240, 32958), (250, 32994), (252, 33003), (292, 33108), (309, 33177), (320, 33216), (325, 33234), (327, 33237), (332, 33249), (333, 33252), (336, 33264), (339, 33279), (346, 33303), (349, 33309), (363, 33330), (381, 33366), (382, 33369), (390, 33405), (392, 33411), (396, 33423), (397, 33426), (404, 33441), (438, 33510), (447, 33525), (463, 33543), (473, 33567), (483, 33612), (486, 33621), (494, 33660), (497, 33678), (503, 33699), (509, 33714), (511, 33723), (512, 33726),

Gene: Moosehead_35 Start: 25354, Stop: 26436, Start Num: 128

Candidate Starts for Moosehead_35:

(Start: 128 @25354 has 7 MA's), (191, 25513), (209, 25558), (221, 25591), (308, 25864), (320, 25906), (333, 25942), (334, 25945), (336, 25954), (447, 26233), (480, 26293), (511, 26425),

Gene: Morkie_33 Start: 26172, Stop: 27254, Start Num: 130

Candidate Starts for Morkie_33:

(Start: 130 @26172 has 52 MA's), (Start: 150 @26226 has 14 MA's), (197, 26346), (284, 26601), (308, 26691), (329, 26757), (336, 26781), (399, 26952), (480, 27111), (485, 27138), (495, 27186), (511, 27243),

Gene: Morrow_33 Start: 26255, Stop: 25116, Start Num: 124

Candidate Starts for Morrow_33:

(Start: 96 @26300 has 3 MA's), (Start: 115 @26273 has 1 MA's), (Start: 124 @26255 has 117 MA's), (Start: 156 @26186 has 8 MA's), (Start: 170 @26132 has 6 MA's), (240, 25913), (243, 25904), (252, 25868), (281, 25826), (284, 25814), (285, 25811), (307, 25733), (348, 25598), (359, 25580), (390, 25493), (392, 25487), (399, 25466), (406, 25451), (412, 25433), (475, 25295), (487, 25247), (493, 25217), (494, 25211), (496, 25199), (508, 25160), (514, 25136), (516, 25130),

Gene: Mova_42 Start: 31760, Stop: 32878, Start Num: 131

Candidate Starts for Mova_42:

(Start: 131 @31760 has 287 MA's), (182, 31898), (193, 31931), (209, 31979), (250, 32132), (252, 32141), (285, 32222), (309, 32315), (320, 32354), (327, 32375), (332, 32387), (333, 32390), (336, 32402), (339, 32417), (346, 32441), (349, 32447), (363, 32468), (381, 32504), (382, 32507), (390, 32543), (397, 32564), (404, 32579), (438, 32648), (447, 32663), (463, 32681), (473, 32705), (483, 32750), (486, 32759), (490, 32771), (494, 32798), (497, 32816), (503, 32837), (509, 32852), (511, 32861), (512, 32864),

Gene: Mozy_51 Start: 34630, Stop: 35748, Start Num: 131

Candidate Starts for Mozy_51:

(Start: 131 @34630 has 287 MA's), (135, 34639), (193, 34801), (240, 34966), (250, 35002), (252, 35011), (292, 35116), (309, 35185), (320, 35224), (327, 35245), (332, 35257), (333, 35260), (336, 35272), (346, 35311), (349, 35317), (363, 35338), (381, 35374), (382, 35377), (390, 35413), (392, 35419), (397, 35434), (438, 35518), (447, 35533), (473, 35575), (483, 35620), (486, 35629), (494, 35668), (497, 35686), (503, 35707), (509, 35722), (511, 35731), (512, 35734),

Gene: Ms6_36 Start: 27630, Stop: 28748, Start Num: 131

Candidate Starts for Ms6_36:

(Start: 131 @27630 has 287 MA's), (135, 27639), (193, 27801), (240, 27966), (250, 28002), (252, 28011), (292, 28116), (309, 28185), (320, 28224), (327, 28245), (332, 28257), (333, 28260), (336, 28272), (346, 28311), (349, 28317), (363, 28338), (381, 28374), (382, 28377), (390, 28413), (392, 28419), (396, 28431), (397, 28434), (404, 28449), (438, 28518), (447, 28533), (483, 28620), (486, 28629), (494, 28668), (497, 28686), (503, 28707), (509, 28722), (511, 28731), (512, 28734),

Gene: MuchMore_38 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for MuchMore_38:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (159, 26695), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Mufasa_44 Start: 34136, Stop: 35236, Start Num: 131

Candidate Starts for Mufasa_44:

(Start: 131 @34136 has 287 MA's), (137, 34154), (Start: 150 @34187 has 14 MA's), (181, 34262), (193, 34298), (229, 34412), (236, 34436), (250, 34490), (263, 34514), (302, 34631), (307, 34655), (308, 34658), (320, 34700), (359, 34808), (396, 34913), (418, 34958), (427, 34973), (495, 35165),

Gene: Mufasa8_27 Start: 25316, Stop: 26536, Start Num: 131

Candidate Starts for Mufasa8_27:

(Start: 131 @25316 has 287 MA's), (182, 25445), (209, 25517), (215, 25529), (244, 25634), (251, 25658), (261, 25670), (278, 25712), (308, 25832), (313, 25844), (317, 25859), (327, 25895), (329, 25898), (336, 25922), (345, 25952), (352, 25976), (353, 25979), (360, 25988), (362, 25991), (389, 26063), (390, 26072), (392, 26078), (405, 26114), (416, 26144), (427, 26171), (444, 26213), (450, 26225),

Gene: Murucutumbu_42 Start: 33469, Stop: 34557, Start Num: 131

Candidate Starts for Murucutumbu_42:

(Start: 131 @33469 has 287 MA's), (Start: 170 @33571 has 6 MA's), (181, 33595), (193, 33631), (215, 33682), (229, 33745), (236, 33769), (250, 33823), (251, 33826), (289, 33907), (307, 33976), (308, 33979), (318, 34009), (359, 34129), (389, 34207), (396, 34234), (471, 34369),

Gene: Mutaforma13_45 Start: 33170, Stop: 34288, Start Num: 131

Candidate Starts for Mutaforma13_45:

(Start: 131 @33170 has 287 MA's), (135, 33179), (182, 33308), (193, 33341), (209, 33389), (240, 33506), (250, 33542), (252, 33551), (292, 33656), (309, 33725), (327, 33785), (332, 33797), (333, 33800), (336, 33812), (339, 33827), (346, 33851), (349, 33857), (363, 33878), (381, 33914), (382, 33917), (390, 33953), (392, 33959), (396, 33971), (397, 33974), (438, 34058), (447, 34073), (473, 34115), (483, 34160), (486, 34169), (494, 34208), (497, 34226), (503, 34247), (509, 34262), (511, 34271), (512, 34274),

Gene: Mynx_42 Start: 32799, Stop: 33887, Start Num: 131

Candidate Starts for Mynx_42:

(Start: 131 @32799 has 287 MA's), (Start: 170 @32901 has 6 MA's), (181, 32925), (193, 32961), (236, 33099), (250, 33153), (289, 33237), (307, 33306), (308, 33309), (322, 33357), (359, 33459), (396, 33564), (438, 33651), (471, 33699), (504, 33843),

Gene: NaSiaTalie_34 Start: 26377, Stop: 25379, Start Num: 170

Candidate Starts for NaSiaTalie_34:

(Start: 85 @26563 has 1 MA's), (Start: 124 @26500 has 117 MA's), (Start: 150 @26446 has 14 MA's), (Start: 170 @26377 has 6 MA's), (186, 26332), (227, 26206), (243, 26149), (252, 26113), (284, 26059), (285, 26056), (320, 25933), (325, 25915), (359, 25825), (367, 25813), (390, 25738), (392, 25732), (399, 25711), (406, 25696), (412, 25678), (423, 25651), (487, 25492), (493, 25462), (494, 25456), (496, 25444), (508, 25405),

Gene: Naji_37 Start: 26474, Stop: 25350, Start Num: 124

Candidate Starts for Naji_37:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (237, 26147), (243, 26123), (252, 26087), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (348, 25817), (359, 25799), (367, 25787), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: Nebkiss_56 Start: 37263, Stop: 38534, Start Num: 93

Candidate Starts for Nebkiss_56:

(Start: 93 @37263 has 10 MA's), (122, 37311), (Start: 139 @37350 has 1 MA's), (223, 37629), (258, 37746), (281, 37815), (282, 37818), (284, 37827), (292, 37857), (310, 37923), (320, 37959), (331, 37986), (332, 37989), (336, 38004), (337, 38010), (349, 38043), (358, 38058), (360, 38061), (364, 38064), (369, 38076), (376, 38094), (381, 38103), (392, 38145), (393, 38151), (394, 38154), (412, 38199), (438, 38271), (466, 38337), (473, 38364), (492, 38448), (493, 38451), (498, 38478), (504, 38499),

Gene: Nebs_33 Start: 26248, Stop: 25127, Start Num: 124

Candidate Starts for Nebs_33:

(Start: 96 @26293 has 3 MA's), (Start: 115 @26266 has 1 MA's), (Start: 124 @26248 has 117 MA's), (Start: 156 @26179 has 8 MA's), (Start: 170 @26125 has 6 MA's), (240, 25906), (243, 25897), (252, 25861), (281, 25819), (284, 25807), (285, 25804), (307, 25726), (348, 25591), (359, 25573), (390, 25486), (392, 25480), (399, 25459), (406, 25444), (412, 25426), (475, 25288), (487, 25240), (493, 25210), (494, 25204), (496, 25192), (508, 25153),

Gene: Nekros_81 Start: 51195, Stop: 52469, Start Num: 93

Candidate Starts for Nekros_81:

(71, 51138), (Start: 84 @51180 has 1 MA's), (Start: 93 @51195 has 10 MA's), (95, 51198), (122, 51243), (Start: 139 @51282 has 1 MA's), (250, 51663), (281, 51747), (284, 51759), (285, 51762), (320, 51891), (376, 52011), (396, 52074), (404, 52092), (412, 52116), (438, 52188), (492, 52365), (493, 52368), (494, 52374), (497, 52392), (500, 52407), (504, 52416), (505, 52419), (519, 52464),

Gene: Neobush_39 Start: 30557, Stop: 31639, Start Num: 130

Candidate Starts for Neobush_39:

(Start: 74 @30446 has 6 MA's), (Start: 130 @30557 has 52 MA's), (Start: 150 @30611 has 14 MA's), (197, 30731), (284, 30986), (292, 31016), (308, 31076), (329, 31142), (336, 31166), (480, 31496), (485, 31523), (511, 31628),

Gene: Nettuno_33 Start: 26384, Stop: 27466, Start Num: 130

Candidate Starts for Nettuno_33:

(Start: 72 @26267 has 2 MA's), (Start: 74 @26273 has 6 MA's), (Start: 130 @26384 has 52 MA's), (Start: 150 @26438 has 14 MA's), (197, 26558), (284, 26813), (292, 26843), (308, 26903), (329, 26969), (336, 26993), (381, 27098), (480, 27323), (485, 27350), (511, 27455),

Gene: Neville_8 Start: 3425, Stop: 2322, Start Num: 149

Candidate Starts for Neville_8:

(138, 3452), (Start: 149 @3425 has 12 MA's), (155, 3413), (168, 3359), (176, 3344), (184, 3320), (195, 3293), (234, 3167), (252, 3095), (274, 3032), (278, 3020), (289, 2981), (306, 2897), (318, 2876), (344, 2789), (374, 2720), (380, 2708), (415, 2612), (425, 2588), (451, 2528), (470, 2492), (473, 2477), (482, 2438), (491, 2396),

Gene: NewHope4_45 Start: 32740, Stop: 33858, Start Num: 131

Candidate Starts for NewHope4_45:

(Start: 131 @32740 has 287 MA's), (182, 32878), (193, 32911), (209, 32959), (250, 33112), (252, 33121), (292, 33226), (309, 33295), (327, 33355), (332, 33367), (333, 33370), (339, 33397), (346, 33421), (363, 33448), (381, 33484), (382, 33487), (390, 33523), (392, 33529), (396, 33541), (397, 33544), (438, 33628), (447, 33643), (473, 33685), (483, 33730), (486, 33739), (494, 33778), (497, 33796), (503, 33817), (509, 33832), (511, 33841), (512, 33844),

Gene: Nibb_43 Start: 32855, Stop: 33940, Start Num: 131

Candidate Starts for Nibb_43:

(Start: 131 @32855 has 287 MA's), (183, 32990), (193, 33017), (246, 33197), (250, 33209), (289, 33293), (307, 33362), (308, 33365), (359, 33515), (396, 33620), (438, 33707), (471, 33755), (495, 33863), (509, 33911),

Gene: NicoleTera_37 Start: 27751, Stop: 26633, Start Num: 124

Candidate Starts for NicoleTera_37:

(Start: 124 @27751 has 117 MA's), (Start: 150 @27697 has 14 MA's), (Start: 170 @27628 has 6 MA's), (236, 27427), (243, 27400), (252, 27364), (281, 27322), (285, 27307), (307, 27229), (320, 27184), (359, 27076), (367, 27064), (382, 27025), (390, 26989), (392, 26983), (399, 26962), (406, 26947), (412, 26929), (423, 26902), (475, 26791), (487, 26743), (488, 26740), (493, 26713), (494, 26707), (496, 26695), (508, 26656),

Gene: Nikao_39 Start: 34589, Stop: 35683, Start Num: 131

Candidate Starts for Nikao_39:

(25, 34238), (27, 34253), (39, 34346), (44, 34367), (70, 34460), (Start: 131 @34589 has 287 MA's), (Start: 150 @34640 has 14 MA's), (181, 34715), (193, 34751), (224, 34847), (229, 34865), (236, 34889), (248, 34937), (250, 34943), (300, 35075), (307, 35108), (320, 35153), (359, 35261), (396, 35366), (427, 35426), (471, 35501), (495, 35609), (504, 35645),

Gene: Niklas_43 Start: 33040, Stop: 34131, Start Num: 131

Candidate Starts for Niklas_43:

(29, 32707), (42, 32806), (43, 32815), (48, 32842), (62, 32890), (Start: 131 @33040 has 287 MA's), (181, 33166), (193, 33202), (229, 33316), (236, 33340), (250, 33394), (289, 33478), (296, 33511), (307, 33547), (308, 33550), (320, 33592), (346, 33679), (359, 33700), (396, 33808), (427, 33868), (464, 33931), (471, 33943), (495, 34051), (504, 34087),

Gene: NothingSpecial_35 Start: 27853, Stop: 26801, Start Num: 156

Candidate Starts for NothingSpecial_35:

(Start: 115 @27940 has 1 MA's), (Start: 124 @27922 has 117 MA's), (Start: 156 @27853 has 8 MA's), (157, 27844), (Start: 170 @27799 has 6 MA's), (178, 27781), (186, 27754), (225, 27637), (236, 27598), (240, 27580), (243, 27571), (252, 27535), (281, 27493), (283, 27484), (285, 27478), (307, 27400), (320, 27355), (359, 27247), (367, 27235), (390, 27160), (392, 27154), (399, 27133), (406, 27118), (412, 27100), (475, 26962), (487, 26914), (493, 26884), (494, 26878), (496, 26866), (508, 26827),

Gene: Nutello_36 Start: 31976, Stop: 33070, Start Num: 131

Candidate Starts for Nutello_36:

(25, 31625), (27, 31640), (39, 31733), (44, 31754), (70, 31847), (Start: 131 @31976 has 287 MA's), (Start: 150 @32027 has 14 MA's), (181, 32102), (193, 32138), (224, 32234), (229, 32252), (236, 32276), (248, 32324), (250, 32330), (300, 32462), (307, 32495), (320, 32540), (359, 32648), (396, 32753), (427, 32813), (471, 32888), (495, 32996), (504, 33032),

Gene: Nymphadora_39 Start: 32012, Stop: 33094, Start Num: 130

Candidate Starts for Nymphadora_39:

(Start: 74 @31901 has 6 MA's), (Start: 130 @32012 has 52 MA's), (Start: 150 @32066 has 14 MA's), (197, 32186), (282, 32432), (284, 32441), (292, 32471), (308, 32531), (329, 32597), (336, 32621),

(480, 32951), (485, 32978), (511, 33083),

Gene: ODay_52 Start: 33934, Stop: 35028, Start Num: 131

Candidate Starts for ODay_52:

(Start: 131 @33934 has 287 MA's), (Start: 150 @33985 has 14 MA's), (169, 34033), (182, 34063), (191, 34090), (221, 34168), (222, 34177), (289, 34369), (293, 34387), (320, 34486), (332, 34519), (333, 34522), (336, 34534), (382, 34636), (402, 34702), (413, 34729), (416, 34732), (447, 34801), (453, 34810), (480, 34861), (481, 34864), (486, 34891), (490, 34903), (512, 34996),

Gene: Obama12_34 Start: 26520, Stop: 25468, Start Num: 156

Candidate Starts for Obama12_34:

(Start: 96 @26634 has 3 MA's), (Start: 115 @26607 has 1 MA's), (Start: 124 @26589 has 117 MA's), (Start: 156 @26520 has 8 MA's), (Start: 170 @26466 has 6 MA's), (240, 26247), (243, 26238), (252, 26202), (281, 26160), (284, 26148), (285, 26145), (348, 25932), (359, 25914), (390, 25827), (392, 25821), (399, 25800), (406, 25785), (412, 25767), (475, 25629), (487, 25581), (493, 25551), (494, 25545), (496, 25533), (508, 25494),

Gene: Octobien14_6 Start: 2858, Stop: 1764, Start Num: 162

Candidate Starts for Octobien14_6:

(105, 3011), (Start: 162 @2858 has 1 MA's), (239, 2582), (268, 2495), (327, 2282), (334, 2264), (345, 2225), (381, 2141), (391, 2105), (397, 2084), (399, 2078), (430, 2003), (455, 1952), (483, 1883), (486, 1874), (492, 1844), (493, 1841),

Gene: Odin_33 Start: 25191, Stop: 24076, Start Num: 128

Candidate Starts for Odin_33:

(Start: 128 @25191 has 7 MA's), (Start: 150 @25143 has 14 MA's), (159, 25110), (Start: 170 @25074 has 6 MA's), (186, 25029), (238, 24861), (243, 24846), (252, 24810), (281, 24768), (284, 24756), (285, 24753), (318, 24642), (359, 24522), (367, 24510), (375, 24489), (390, 24435), (399, 24408), (406, 24393), (412, 24375), (423, 24348), (487, 24189), (493, 24159), (494, 24153), (496, 24141), (508, 24102), (510, 24093),

Gene: Ohfah_33 Start: 26248, Stop: 25127, Start Num: 124

Candidate Starts for Ohfah_33:

(Start: 96 @26293 has 3 MA's), (Start: 115 @26266 has 1 MA's), (Start: 124 @26248 has 117 MA's), (Start: 156 @26179 has 8 MA's), (Start: 170 @26125 has 6 MA's), (240, 25906), (243, 25897), (252, 25861), (281, 25819), (284, 25807), (285, 25804), (307, 25726), (348, 25591), (359, 25573), (390, 25486), (392, 25480), (399, 25459), (406, 25444), (412, 25426), (475, 25288), (487, 25240), (493, 25210), (494, 25204), (496, 25192), (508, 25153),

Gene: OlanP_35 Start: 26824, Stop: 25679, Start Num: 124

Candidate Starts for OlanP_35:

(Start: 85 @26887 has 1 MA's), (Start: 124 @26824 has 117 MA's), (Start: 150 @26770 has 14 MA's), (Start: 170 @26701 has 6 MA's), (218, 26572), (226, 26536), (240, 26482), (243, 26473), (252, 26437), (285, 26380), (307, 26302), (318, 26269), (348, 26167), (359, 26149), (367, 26137), (390, 26062), (392, 26056), (399, 26035), (406, 26020), (412, 26002), (433, 25951), (486, 25819), (487, 25816), (493, 25786), (494, 25780), (496, 25768), (508, 25729),

Gene: Ollie_36 Start: 26621, Stop: 25515, Start Num: 144

Candidate Starts for Ollie_36:

(Start: 124 @26660 has 117 MA's), (Start: 144 @26621 has 10 MA's), (Start: 170 @26537 has 6 MA's), (186, 26492), (236, 26336), (243, 26309), (252, 26273), (285, 26216), (307, 26138), (315, 26114), (325, 26075), (348, 26003), (354, 25991), (359, 25985), (367, 25973), (390, 25898), (392, 25892), (399, 25871), (406, 25856), (412, 25838), (475, 25700), (486, 25655), (487, 25652), (490,

25643), (493, 25622), (494, 25616), (496, 25604), (508, 25565),

Gene: Omega_85 Start: 53296, Stop: 54570, Start Num: 93

Candidate Starts for Omega_85:

(71, 53239), (Start: 84 @53281 has 1 MA's), (Start: 93 @53296 has 10 MA's), (95, 53299), (122, 53344), (Start: 139 @53383 has 1 MA's), (250, 53764), (281, 53848), (284, 53860), (285, 53863), (320, 53992), (376, 54112), (396, 54175), (404, 54193), (412, 54217), (438, 54289), (492, 54466), (493, 54469), (494, 54475), (497, 54493), (500, 54508), (504, 54517), (505, 54520), (519, 54565),

Gene: OneDirection_30 Start: 24794, Stop: 25876, Start Num: 130

Candidate Starts for OneDirection_30:

(Start: 74 @24683 has 6 MA's), (Start: 130 @24794 has 52 MA's), (140, 24821), (Start: 150 @24848 has 14 MA's), (197, 24968), (284, 25223), (308, 25313), (329, 25379), (336, 25403), (480, 25733), (482, 25748), (485, 25760), (495, 25808), (511, 25865),

Gene: Oregano_39 Start: 29184, Stop: 30311, Start Num: 131

Candidate Starts for Oregano_39:

(46, 28965), (52, 29001), (Start: 131 @29184 has 287 MA's), (Start: 150 @29238 has 14 MA's), (191, 29361), (204, 29394), (230, 29484), (238, 29517), (307, 29712), (308, 29715), (320, 29757), (333, 29793), (449, 30090), (490, 30210), (494, 30237), (511, 30300),

Gene: Oscar_45 Start: 33597, Stop: 34682, Start Num: 131

Candidate Starts for Oscar_45:

(14, 32994), (16, 33012), (19, 33090), (26, 33261), (37, 33336), (44, 33375), (56, 33429), (Start: 131 @33597 has 287 MA's), (183, 33732), (193, 33759), (236, 33897), (246, 33939), (250, 33951), (289, 34035), (307, 34104), (308, 34107), (320, 34149), (359, 34257), (396, 34362), (438, 34449), (471, 34497), (495, 34605), (509, 34653),

Gene: Ovechkin_41 Start: 32949, Stop: 34067, Start Num: 131

Candidate Starts for Ovechkin_41:

(Start: 131 @32949 has 287 MA's), (135, 32958), (193, 33120), (240, 33285), (250, 33321), (252, 33330), (292, 33435), (309, 33504), (325, 33561), (327, 33564), (332, 33576), (333, 33579), (336, 33591), (346, 33630), (363, 33657), (381, 33693), (382, 33696), (390, 33732), (392, 33738), (397, 33753), (404, 33768), (438, 33837), (447, 33852), (473, 33894), (483, 33939), (486, 33948), (494, 33987), (497, 34005), (503, 34026), (509, 34041), (511, 34050), (512, 34053),

Gene: P28Green_36 Start: 26792, Stop: 25647, Start Num: 124

Candidate Starts for P28Green_36:

(Start: 124 @26792 has 117 MA's), (Start: 144 @26753 has 10 MA's), (159, 26705), (Start: 170 @26669 has 6 MA's), (186, 26624), (236, 26468), (243, 26441), (252, 26405), (285, 26348), (307, 26270), (315, 26246), (325, 26207), (348, 26135), (354, 26123), (359, 26117), (367, 26105), (390, 26030), (392, 26024), (399, 26003), (406, 25988), (412, 25970), (422, 25946), (475, 25832), (486, 25787), (487, 25784), (490, 25775), (493, 25754), (494, 25748), (496, 25736), (508, 25697),

Gene: PFR1_26 Start: 22175, Stop: 21039, Start Num: 141

Candidate Starts for PFR1_26:

(103, 22253), (141, 22175), (145, 22166), (185, 22031), (187, 22025), (196, 21998), (199, 21986), (200, 21983), (207, 21965), (224, 21902), (246, 21818), (252, 21797), (276, 21728), (297, 21638), (304, 21614), (318, 21566), (335, 21509), (343, 21482), (347, 21464), (362, 21437), (378, 21398), (390, 21350), (427, 21263), (433, 21251), (439, 21233), (462, 21191), (469, 21179), (472, 21167), (474, 21155), (479, 21140),

Gene: PFR2_28 Start: 23744, Stop: 22608, Start Num: 141

Candidate Starts for PFR2_28:

(103, 23822), (141, 23744), (145, 23735), (185, 23600), (187, 23594), (196, 23567), (199, 23555), (200, 23552), (207, 23534), (224, 23471), (246, 23387), (252, 23366), (276, 23297), (297, 23207), (304, 23183), (318, 23135), (335, 23078), (343, 23051), (347, 23033), (362, 23006), (378, 22967), (390, 22919), (427, 22832), (433, 22820), (439, 22802), (462, 22760), (469, 22748), (472, 22736), (474, 22724), (479, 22709),

Gene: PGHhamlin_38 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for PGHhamlin_38:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Padfoot_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for Padfoot_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: Padpat_42 Start: 32470, Stop: 33558, Start Num: 131

Candidate Starts for Padpat_42:

(Start: 131 @32470 has 287 MA's), (Start: 150 @32521 has 14 MA's), (Start: 170 @32572 has 6 MA's), (181, 32596), (193, 32632), (236, 32770), (250, 32824), (289, 32908), (307, 32977), (308, 32980), (359, 33130), (389, 33208), (396, 33235), (438, 33322), (471, 33370),

Gene: Pawn_35 Start: 26644, Stop: 25499, Start Num: 124

Candidate Starts for Pawn_35:

(Start: 85 @26707 has 1 MA's), (Start: 124 @26644 has 117 MA's), (Start: 150 @26590 has 14 MA's), (Start: 170 @26521 has 6 MA's), (240, 26302), (243, 26293), (252, 26257), (285, 26200), (307, 26122), (318, 26089), (348, 25987), (359, 25969), (367, 25957), (390, 25882), (392, 25876), (399, 25855), (406, 25840), (412, 25822), (422, 25798), (486, 25639), (487, 25636), (493, 25606), (494, 25600), (496, 25588), (508, 25549),

Gene: Peanam_43 Start: 33014, Stop: 34105, Start Num: 131

Candidate Starts for Peanam_43:

(11, 32333), (18, 32477), (29, 32681), (42, 32780), (43, 32789), (48, 32816), (62, 32864), (Start: 131 @33014 has 287 MA's), (181, 33140), (193, 33176), (229, 33290), (236, 33314), (250, 33368), (289, 33452), (296, 33485), (307, 33521), (308, 33524), (320, 33566), (346, 33653), (359, 33674), (396, 33782), (427, 33842), (464, 33905), (471, 33917), (495, 34025), (504, 34061),

Gene: Peas_35 Start: 27040, Stop: 28182, Start Num: 131

Candidate Starts for Peas_35:

(Start: 131 @27040 has 287 MA's), (248, 27394), (250, 27400), (254, 27415), (278, 27469), (292, 27526), (307, 27586), (317, 27616), (336, 27679), (382, 27799), (393, 27847), (446, 27973), (454, 27985), (486, 28081), (501, 28156),

Gene: Peel_41 Start: 32597, Stop: 33685, Start Num: 131

Candidate Starts for Peel_41:

(13, 31994), (21, 32171), (36, 32336), (44, 32375), (Start: 131 @32597 has 287 MA's), (Start: 150 @32648 has 14 MA's), (Start: 170 @32699 has 6 MA's), (181, 32723), (193, 32759), (236, 32897), (289, 33035), (307, 33104), (308, 33107), (359, 33257), (396, 33362), (471, 33497),

Gene: Pembroke_36 Start: 26791, Stop: 25646, Start Num: 124

Candidate Starts for Pembroke_36:

(Start: 124 @26791 has 117 MA's), (Start: 144 @26752 has 10 MA's), (Start: 170 @26668 has 6 MA's), (186, 26623), (236, 26467), (243, 26440), (252, 26404), (285, 26347), (307, 26269), (315, 26245), (325, 26206), (348, 26134), (354, 26122), (359, 26116), (367, 26104), (390, 26029), (392, 26023), (399, 26002), (406, 25987), (412, 25969), (422, 25945), (475, 25831), (486, 25786), (487, 25783), (490, 25774), (493, 25753), (494, 25747), (496, 25735), (508, 25696),

Gene: Penny1_36 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for Penny1_36:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: Pepperoni_31 Start: 25939, Stop: 27021, Start Num: 130

Candidate Starts for Pepperoni_31:

(Start: 130 @25939 has 52 MA's), (Start: 150 @25993 has 14 MA's), (197, 26113), (292, 26398), (308, 26458), (329, 26524), (336, 26548), (381, 26653), (399, 26719), (480, 26878), (485, 26905), (495, 26953), (511, 27010),

Gene: Periwinkle_57 Start: 34837, Stop: 35922, Start Num: 131

Candidate Starts for Periwinkle_57:

(81, 34750), (101, 34786), (Start: 131 @34837 has 287 MA's), (Start: 150 @34888 has 14 MA's), (169, 34936), (182, 34966), (191, 34993), (222, 35080), (240, 35152), (250, 35188), (252, 35197), (289, 35272), (293, 35290), (320, 35389), (332, 35422), (333, 35425), (336, 35437), (355, 35488), (382, 35539), (402, 35605), (447, 35704), (480, 35764), (485, 35791), (494, 35833), (512, 35899),

Gene: Persistence_35 Start: 26237, Stop: 25068, Start Num: 131

Candidate Starts for Persistence_35:

(73, 26342), (86, 26303), (Start: 131 @26237 has 287 MA's), (Start: 150 @26186 has 14 MA's), (215, 26018), (220, 26000), (243, 25904), (259, 25868), (285, 25790), (307, 25703), (310, 25694), (329, 25634), (360, 25544), (397, 25439), (399, 25433), (416, 25391), (473, 25274), (478, 25253), (480, 25250), (482, 25235), (494, 25181), (520, 25085),

Gene: Ph8s_35 Start: 25309, Stop: 24314, Start Num: 170

Candidate Starts for Ph8s_35:

(Start: 128 @25426 has 7 MA's), (159, 25345), (Start: 170 @25309 has 6 MA's), (186, 25264), (238, 25096), (243, 25081), (252, 25045), (281, 25003), (284, 24991), (285, 24988), (291, 24964), (317, 24880), (348, 24775), (359, 24757), (367, 24745), (375, 24724), (390, 24670), (399, 24643), (406, 24628), (412, 24610), (423, 24583), (475, 24472), (487, 24424), (493, 24394), (494, 24388), (496, 24376), (508, 24337),

Gene: Phabuloso_48 Start: 32389, Stop: 33486, Start Num: 131

Candidate Starts for Phabuloso_48:

(Start: 131 @32389 has 287 MA's), (Start: 150 @32440 has 14 MA's), (182, 32518), (191, 32545), (222, 32632), (240, 32704), (250, 32740), (252, 32749), (289, 32824), (293, 32842), (301, 32869), (320, 32941), (332, 32974), (333, 32977), (336, 32989), (447, 33256), (480, 33316), (485, 33343), (495, 33391), (497, 33403), (512, 33451),

Gene: Phaded_37 Start: 28341, Stop: 27214, Start Num: 124

Candidate Starts for Phaded_37:

(Start: 124 @28341 has 117 MA's), (Start: 144 @28305 has 10 MA's), (Start: 170 @28221 has 6 MA's), (186, 28176), (228, 28047), (238, 28008), (252, 27957), (303, 27846), (307, 27822), (318, 27789), (320, 27777), (359, 27669), (361, 27666), (390, 27582), (392, 27576), (399, 27555), (406, 27540), (412, 27522), (487, 27336), (493, 27306), (494, 27300), (496, 27288), (508, 27249), (515, 27225),

Gene: Phalconet_41 Start: 31939, Stop: 33057, Start Num: 131

Candidate Starts for Phalconet_41:

(Start: 131 @31939 has 287 MA's), (135, 31948), (193, 32110), (240, 32275), (250, 32311), (252, 32320), (309, 32494), (320, 32533), (327, 32554), (332, 32566), (333, 32569), (336, 32581), (346, 32620), (349, 32626), (363, 32647), (381, 32683), (382, 32686), (390, 32722), (392, 32728), (397, 32743), (438, 32827), (447, 32842), (463, 32860), (483, 32929), (486, 32938), (494, 32977), (497, 32995), (503, 33016), (509, 33031), (511, 33040), (512, 33043),

Gene: Phanphagia_37 Start: 31053, Stop: 32171, Start Num: 131

Candidate Starts for Phanphagia_37:

(Start: 131 @31053 has 287 MA's), (135, 31062), (193, 31224), (240, 31389), (250, 31425), (252, 31434), (292, 31539), (309, 31608), (320, 31647), (325, 31665), (327, 31668), (332, 31680), (333, 31683), (336, 31695), (339, 31710), (346, 31734), (349, 31740), (363, 31761), (381, 31797), (382, 31800), (390, 31836), (392, 31842), (397, 31857), (404, 31872), (438, 31941), (447, 31956), (473, 31998), (483, 32043), (486, 32052), (490, 32064), (494, 32091), (497, 32109), (503, 32130), (509, 32145), (511, 32154), (512, 32157),

Gene: Phantastic_33 Start: 26109, Stop: 24964, Start Num: 112

Candidate Starts for Phantastic_33:

(Start: 112 @26109 has 2 MA's), (Start: 118 @26100 has 3 MA's), (Start: 170 @25965 has 6 MA's), (186, 25920), (241, 25743), (243, 25737), (246, 25722), (252, 25701), (285, 25644), (307, 25566), (325, 25503), (359, 25413), (367, 25401), (390, 25326), (399, 25299), (406, 25284), (412, 25266), (422, 25242), (475, 25128), (487, 25080), (493, 25050), (494, 25044), (496, 25032), (500, 25011), (508, 24993),

Gene: Pharaoh_32 Start: 27018, Stop: 25882, Start Num: 116

Candidate Starts for Pharaoh_32:

(92, 27054), (Start: 93 @27051 has 10 MA's), (Start: 116 @27018 has 7 MA's), (Start: 156 @26937 has 8 MA's), (Start: 170 @26883 has 6 MA's), (186, 26838), (243, 26655), (252, 26619), (284, 26565), (285, 26562), (289, 26550), (307, 26484), (317, 26454), (320, 26439), (348, 26349), (359, 26331), (367, 26319), (390, 26244), (392, 26238), (399, 26217), (406, 26202), (412, 26184), (419, 26163), (423, 26157), (475, 26046), (487, 25998), (493, 25968), (494, 25962), (496, 25950), (508, 25911),

Gene: Phelipe_33 Start: 26296, Stop: 25130, Start Num: 96

Candidate Starts for Phelipe_33:

(Start: 96 @26296 has 3 MA's), (Start: 115 @26269 has 1 MA's), (Start: 124 @26251 has 117 MA's), (Start: 156 @26182 has 8 MA's), (157, 26173), (Start: 170 @26128 has 6 MA's), (240, 25909), (243, 25900), (252, 25864), (281, 25822), (284, 25810), (285, 25807), (307, 25729), (348, 25594), (359, 25576), (390, 25489), (399, 25462), (406, 25447), (412, 25429), (475, 25291), (487, 25243), (493, 25213), (494, 25207), (496, 25195), (508, 25156),

Gene: PhesterPhotato_44 Start: 32894, Stop: 34012, Start Num: 131

Candidate Starts for PhesterPhotato_44:

(Start: 131 @32894 has 287 MA's), (135, 32903), (193, 33065), (240, 33230), (250, 33266), (252, 33275), (309, 33449), (320, 33488), (327, 33509), (332, 33521), (333, 33524), (336, 33536), (346, 33575), (349, 33581), (363, 33602), (381, 33638), (382, 33641), (390, 33677), (392, 33683), (397, 33698), (438, 33782), (447, 33797), (463, 33815), (483, 33884), (486, 33893), (494, 33932), (497,

33950), (503, 33971), (509, 33986), (511, 33995), (512, 33998),

Gene: Philus_43 Start: 31979, Stop: 33097, Start Num: 131

Candidate Starts for Philus_43:

(Start: 131 @31979 has 287 MA's), (182, 32117), (193, 32150), (209, 32198), (240, 32315), (250, 32351), (252, 32360), (292, 32465), (309, 32534), (327, 32594), (332, 32606), (333, 32609), (336, 32621), (339, 32636), (346, 32660), (349, 32666), (363, 32687), (381, 32723), (382, 32726), (390, 32762), (392, 32768), (396, 32780), (397, 32783), (438, 32867), (447, 32882), (473, 32924), (483, 32969), (486, 32978), (494, 33017), (497, 33035), (503, 33056), (509, 33071), (511, 33080), (512, 33083),

Gene: PhishRPhriends_34 Start: 25821, Stop: 24682, Start Num: 124

Candidate Starts for PhishRPhriends_34:

(Start: 85 @25884 has 1 MA's), (Start: 124 @25821 has 117 MA's), (Start: 150 @25767 has 14 MA's), (Start: 170 @25698 has 6 MA's), (240, 25479), (243, 25470), (252, 25434), (285, 25377), (307, 25299), (318, 25266), (348, 25164), (359, 25146), (367, 25134), (390, 25059), (392, 25053), (399, 25032), (406, 25017), (412, 24999), (422, 24975), (486, 24816), (487, 24813), (493, 24783), (494, 24777), (496, 24765), (508, 24726),

Gene: Phistory_51 Start: 33096, Stop: 34193, Start Num: 131

Candidate Starts for Phistory_51:

(81, 33009), (101, 33045), (Start: 131 @33096 has 287 MA's), (Start: 150 @33147 has 14 MA's), (182, 33225), (191, 33252), (209, 33297), (222, 33339), (289, 33531), (293, 33549), (301, 33576), (320, 33648), (327, 33669), (330, 33675), (336, 33696), (363, 33768), (392, 33852), (447, 33975), (477, 34026), (480, 34035), (485, 34062), (512, 34170), (517, 34185),

Gene: Phoebe_36 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for Phoebe_36:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (159, 26695), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: PhorbesPhlower_33 Start: 25600, Stop: 26682, Start Num: 130

Candidate Starts for PhorbesPhlower_33:

(Start: 74 @25489 has 6 MA's), (Start: 130 @25600 has 52 MA's), (Start: 150 @25654 has 14 MA's), (197, 25774), (240, 25921), (308, 26119), (329, 26185), (336, 26209), (480, 26539), (485, 26566), (511, 26671), (512, 26674),

Gene: Phrank15_39 Start: 27192, Stop: 26020, Start Num: 131

Candidate Starts for Phrank15_39:

(91, 27249), (Start: 131 @27192 has 287 MA's), (Start: 150 @27141 has 14 MA's), (215, 26973), (220, 26955), (259, 26823), (285, 26745), (289, 26733), (290, 26727), (307, 26658), (310, 26649), (329, 26589), (360, 26499), (397, 26394), (405, 26373), (416, 26346), (473, 26223), (480, 26199), (482, 26184), (512, 26064), (519, 26037),

Gene: Phranny_36 Start: 26629, Stop: 25490, Start Num: 124

Candidate Starts for Phranny_36:

(Start: 85 @26692 has 1 MA's), (Start: 124 @26629 has 117 MA's), (Start: 150 @26575 has 14 MA's), (Start: 170 @26506 has 6 MA's), (240, 26287), (243, 26278), (252, 26242), (285, 26185), (307, 26107), (318, 26074), (348, 25972), (359, 25954), (367, 25942), (390, 25867), (392, 25861), (399, 25840), (406, 25825), (412, 25807), (422, 25783), (486, 25624), (487, 25621), (493, 25591), (494, 25585),

(496, 25573), (508, 25534),

Gene: Phrappuccino_38 Start: 20588, Stop: 21727, Start Num: 131

Candidate Starts for Phrappuccino_38:

(Start: 131 @20588 has 287 MA's), (151, 20642), (Start: 175 @20714 has 1 MA's), (250, 20966), (252, 20975), (284, 21065), (289, 21080), (307, 21158), (329, 21227), (333, 21239), (359, 21311), (384, 21362), (385, 21365), (392, 21401), (417, 21452), (438, 21500), (440, 21506), (447, 21515), (482, 21596), (502, 21689), (508, 21701), (511, 21713),

Gene: Piatt_41 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for Piatt_41:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: Pickett_32 Start: 24860, Stop: 25942, Start Num: 130

Candidate Starts for Pickett_32:

(Start: 130 @24860 has 52 MA's), (Start: 150 @24914 has 14 MA's), (197, 25034), (292, 25319), (308, 25379), (329, 25445), (336, 25469), (480, 25799), (485, 25826), (511, 25931),

Gene: Pippy_38 Start: 29161, Stop: 30279, Start Num: 131

Candidate Starts for Pippy_38:

(Start: 131 @29161 has 287 MA's), (135, 29170), (193, 29332), (240, 29497), (250, 29533), (252, 29542), (285, 29623), (292, 29647), (309, 29716), (320, 29755), (325, 29773), (327, 29776), (332, 29788), (333, 29791), (336, 29803), (339, 29818), (346, 29842), (349, 29848), (363, 29869), (381, 29905), (382, 29908), (390, 29944), (392, 29950), (397, 29965), (404, 29980), (438, 30049), (447, 30064), (473, 30106), (483, 30151), (486, 30160), (494, 30199), (497, 30217), (503, 30238), (509, 30253), (511, 30262), (512, 30265),

Gene: Piro94_34 Start: 26723, Stop: 25590, Start Num: 125

Candidate Starts for Piro94_34:

(119, 26741), (Start: 125 @26723 has 2 MA's), (Start: 144 @26684 has 10 MA's), (Start: 150 @26669 has 14 MA's), (Start: 170 @26600 has 6 MA's), (186, 26555), (206, 26501), (241, 26378), (252, 26336), (279, 26300), (284, 26282), (315, 26177), (348, 26066), (359, 26048), (367, 26036), (390, 25961), (399, 25934), (406, 25919), (412, 25901), (423, 25874), (475, 25763), (486, 25718), (487, 25715), (493, 25685), (494, 25679), (496, 25667), (508, 25628),

Gene: Pistachio_34 Start: 25844, Stop: 24717, Start Num: 124

Candidate Starts for Pistachio_34:

(Start: 124 @25844 has 117 MA's), (159, 25757), (Start: 170 @25721 has 6 MA's), (186, 25676), (236, 25520), (238, 25508), (240, 25502), (252, 25457), (284, 25403), (285, 25400), (307, 25322), (359, 25169), (367, 25157), (382, 25118), (390, 25082), (392, 25076), (399, 25055), (406, 25040), (412, 25022), (423, 24995), (475, 24884), (487, 24836), (493, 24806), (494, 24800), (496, 24788), (508, 24749),

Gene: Pokerus_40 Start: 32516, Stop: 33604, Start Num: 131

Candidate Starts for Pokerus_40:

(Start: 131 @32516 has 287 MA's), (Start: 170 @32618 has 6 MA's), (181, 32642), (193, 32678), (236, 32816), (250, 32870), (289, 32954), (307, 33023), (308, 33026), (359, 33176), (396, 33281), (438, 33368), (471, 33416), (504, 33560),

Gene: Pollux_38 Start: 32103, Stop: 33209, Start Num: 131

Candidate Starts for Pollux_38:

(Start: 96 @32046 has 3 MA's), (Start: 131 @32103 has 287 MA's), (Start: 150 @32154 has 14 MA's), (191, 32259), (208, 32298), (289, 32538), (307, 32607), (308, 32610), (318, 32640), (333, 32691), (336, 32703), (421, 32931), (447, 32991), (480, 33066), (486, 33096), (511, 33198),

Gene: Polly_36 Start: 30006, Stop: 31088, Start Num: 130

Candidate Starts for Polly_36:

(Start: 74 @29895 has 6 MA's), (Start: 130 @30006 has 52 MA's), (Start: 150 @30060 has 14 MA's), (197, 30180), (284, 30435), (292, 30465), (308, 30525), (329, 30591), (336, 30615), (480, 30945), (485, 30972), (511, 31077),

Gene: Polo2Bam_48 Start: 32594, Stop: 33712, Start Num: 131

Candidate Starts for Polo2Bam_48:

(Start: 131 @32594 has 287 MA's), (182, 32732), (193, 32765), (209, 32813), (250, 32966), (252, 32975), (292, 33080), (309, 33149), (327, 33209), (332, 33221), (333, 33224), (339, 33251), (346, 33275), (363, 33302), (381, 33338), (382, 33341), (390, 33377), (392, 33383), (396, 33395), (397, 33398), (438, 33482), (447, 33497), (473, 33539), (483, 33584), (486, 33593), (494, 33632), (497, 33650), (503, 33671), (509, 33686), (511, 33695), (512, 33698),

Gene: Polymorphads_33 Start: 26248, Stop: 25127, Start Num: 124

Candidate Starts for Polymorphads_33:

(Start: 96 @26293 has 3 MA's), (Start: 115 @26266 has 1 MA's), (Start: 124 @26248 has 117 MA's), (Start: 156 @26179 has 8 MA's), (Start: 170 @26125 has 6 MA's), (240, 25906), (243, 25897), (252, 25861), (281, 25819), (284, 25807), (285, 25804), (307, 25726), (348, 25591), (359, 25573), (390, 25486), (392, 25480), (399, 25459), (406, 25444), (412, 25426), (475, 25288), (487, 25240), (493, 25210), (494, 25204), (496, 25192), (508, 25153),

Gene: Pomar16_37 Start: 26461, Stop: 25391, Start Num: 150

Candidate Starts for Pomar16_37:

(Start: 124 @26515 has 117 MA's), (Start: 150 @26461 has 14 MA's), (Start: 170 @26392 has 6 MA's), (236, 26191), (243, 26164), (252, 26128), (285, 26071), (292, 26044), (307, 25993), (318, 25960), (320, 25948), (325, 25930), (359, 25840), (367, 25828), (382, 25789), (390, 25753), (392, 25747), (399, 25726), (406, 25711), (412, 25693), (423, 25666), (475, 25555), (487, 25507), (488, 25504), (493, 25477), (494, 25471), (496, 25459), (508, 25420),

Gene: Porcelain_86 Start: 50735, Stop: 52009, Start Num: 93

Candidate Starts for Porcelain_86:

(71, 50678), (Start: 84 @50720 has 1 MA's), (Start: 93 @50735 has 10 MA's), (95, 50738), (122, 50783), (Start: 139 @50822 has 1 MA's), (250, 51203), (281, 51287), (284, 51299), (285, 51302), (320, 51431), (376, 51551), (396, 51614), (404, 51632), (412, 51656), (438, 51728), (492, 51905), (493, 51908), (494, 51914), (497, 51932), (500, 51947), (504, 51956), (505, 51959), (519, 52004),

Gene: Posh_42 Start: 32975, Stop: 34057, Start Num: 130

Candidate Starts for Posh_42:

(Start: 74 @32864 has 6 MA's), (Start: 130 @32975 has 52 MA's), (Start: 150 @33029 has 14 MA's), (197, 33149), (308, 33494), (336, 33584), (381, 33689), (480, 33914), (485, 33941), (511, 34046),

Gene: PotatoSplit_37 Start: 26790, Stop: 25645, Start Num: 124

Candidate Starts for PotatoSplit_37:

(Start: 124 @26790 has 117 MA's), (Start: 144 @26751 has 10 MA's), (159, 26703), (Start: 170 @26667 has 6 MA's), (186, 26622), (236, 26466), (243, 26439), (252, 26403), (285, 26346), (307, 26268), (315, 26244), (325, 26205), (348, 26133), (354, 26121), (359, 26115), (367, 26103), (390, 26028), (392, 26022), (399, 26001), (406, 25986), (412, 25968), (422, 25944), (475, 25830), (486, 25785), (487, 25782), (490, 25773), (493, 25752), (494, 25746), (496, 25734), (508, 25695),

Gene: Power_33 Start: 26423, Stop: 25227, Start Num: 127

Candidate Starts for Power_33:

(110, 26453), (Start: 127 @26423 has 10 MA's), (Start: 170 @26303 has 6 MA's), (186, 26258), (236, 26102), (243, 26075), (252, 26039), (281, 25997), (285, 25982), (307, 25904), (318, 25871), (320, 25859), (325, 25841), (359, 25751), (367, 25739), (390, 25664), (392, 25658), (399, 25637), (406, 25622), (412, 25604), (423, 25577), (475, 25466), (487, 25418), (488, 25415), (493, 25388), (494, 25382), (496, 25370), (508, 25331), (521, 25277),

Gene: Prithvi_42 Start: 32665, Stop: 33753, Start Num: 131

Candidate Starts for Prithvi_42:

(63, 32518), (Start: 131 @32665 has 287 MA's), (Start: 170 @32767 has 6 MA's), (181, 32791), (193, 32827), (236, 32965), (250, 33019), (289, 33103), (307, 33172), (308, 33175), (359, 33325), (396, 33430), (438, 33517), (471, 33565), (504, 33709),

Gene: Pukovnik_35 Start: 27554, Stop: 26421, Start Num: 118

Candidate Starts for Pukovnik_35:

(Start: 118 @27554 has 3 MA's), (Start: 170 @27419 has 6 MA's), (186, 27374), (188, 27368), (203, 27329), (236, 27218), (243, 27191), (252, 27155), (281, 27113), (284, 27101), (285, 27098), (359, 26867), (367, 26855), (390, 26780), (392, 26774), (399, 26753), (406, 26738), (412, 26720), (433, 26669), (475, 26582), (487, 26534), (493, 26504), (494, 26498), (496, 26486), (500, 26465), (508, 26447),

Gene: Puppy_34 Start: 25914, Stop: 24787, Start Num: 124

Candidate Starts for Puppy_34:

(Start: 124 @25914 has 117 MA's), (159, 25827), (Start: 170 @25791 has 6 MA's), (186, 25746), (236, 25590), (238, 25578), (240, 25572), (252, 25527), (284, 25473), (285, 25470), (291, 25446), (348, 25257), (359, 25239), (367, 25227), (382, 25188), (390, 25152), (392, 25146), (399, 25125), (406, 25110), (412, 25092), (475, 24954), (487, 24906), (493, 24876), (494, 24870), (496, 24858), (508, 24819),

Gene: PurpleHaze_35 Start: 26642, Stop: 25497, Start Num: 124

Candidate Starts for PurpleHaze_35:

(Start: 85 @26705 has 1 MA's), (Start: 124 @26642 has 117 MA's), (Start: 150 @26588 has 14 MA's), (Start: 170 @26519 has 6 MA's), (240, 26300), (243, 26291), (252, 26255), (285, 26198), (307, 26120), (318, 26087), (348, 25985), (359, 25967), (367, 25955), (390, 25880), (392, 25874), (399, 25853), (406, 25838), (412, 25820), (422, 25796), (486, 25637), (487, 25634), (493, 25604), (494, 25598), (496, 25586), (508, 25547),

Gene: Pytheas_39 Start: 31310, Stop: 32392, Start Num: 130

Candidate Starts for Pytheas_39:

(Start: 74 @31199 has 6 MA's), (Start: 130 @31310 has 52 MA's), (Start: 150 @31364 has 14 MA's), (197, 31484), (292, 31769), (308, 31829), (329, 31895), (336, 31919), (480, 32249), (485, 32276), (511, 32381),

Gene: QueenB2_34 Start: 26488, Stop: 25370, Start Num: 124

Candidate Starts for QueenB2_34:

(Start: 85 @26551 has 1 MA's), (Start: 124 @26488 has 117 MA's), (Start: 150 @26434 has 14 MA's), (Start: 170 @26365 has 6 MA's), (186, 26320), (236, 26164), (237, 26161), (243, 26137), (252, 26101), (285, 26044), (307, 25966), (318, 25933), (320, 25921), (325, 25903), (359, 25813), (367, 25801), (392, 25720), (399, 25699), (406, 25684), (412, 25666), (423, 25639), (475, 25528), (487, 25480), (488, 25477), (493, 25450), (494, 25444), (496, 25432), (508, 25393),

Gene: QueenBeesly_34 Start: 26370, Stop: 25255, Start Num: 127

Candidate Starts for QueenBeesly_34:

(110, 26400), (Start: 127 @26370 has 10 MA's), (Start: 170 @26250 has 6 MA's), (186, 26205), (236, 26049), (243, 26022), (252, 25986), (281, 25944), (285, 25929), (318, 25818), (320, 25806), (325, 25788), (359, 25698), (367, 25686), (390, 25611), (392, 25605), (399, 25584), (406, 25569), (412, 25551), (423, 25524), (427, 25515), (475, 25413), (486, 25368), (487, 25365), (488, 25362), (493, 25335), (494, 25329), (496, 25317), (508, 25278),

Gene: QuincyRose_40 Start: 32781, Stop: 33869, Start Num: 131

Candidate Starts for QuincyRose_40:

(Start: 131 @32781 has 287 MA's), (Start: 170 @32883 has 6 MA's), (181, 32907), (193, 32943), (236, 33081), (250, 33135), (289, 33219), (307, 33288), (308, 33291), (359, 33441), (396, 33546), (438, 33633), (457, 33663), (471, 33681), (504, 33825),

Gene: Quokka_33 Start: 25599, Stop: 24475, Start Num: 124

Candidate Starts for Quokka_33:

(Start: 124 @25599 has 117 MA's), (157, 25521), (Start: 170 @25476 has 6 MA's), (186, 25431), (209, 25371), (243, 25248), (252, 25212), (284, 25158), (285, 25155), (320, 25032), (321, 25029), (325, 25014), (354, 24930), (359, 24924), (375, 24891), (381, 24876), (390, 24837), (399, 24810), (406, 24795), (412, 24777), (423, 24750), (475, 24639), (487, 24591), (488, 24588), (490, 24582), (493, 24561), (494, 24555), (496, 24543), (508, 24504),

Gene: REQ3_01 Start: 1320, Stop: 82, Start Num: 131

Candidate Starts for REQ3_01:

(88, 1395), (Start: 131 @1320 has 287 MA's), (168, 1203), (191, 1137), (207, 1083), (210, 1074), (212, 1068), (229, 1002), (250, 927), (273, 861), (281, 831), (285, 816), (288, 807), (295, 765), (300, 747), (311, 702), (312, 699), (318, 669), (324, 642), (329, 633), (340, 591), (341, 588), (351, 555), (380, 492), (387, 465), (400, 423), (403, 417), (408, 402), (410, 396), (417, 378), (427, 360), (429, 357), (434, 342), (445, 315), (458, 294), (476, 240), (491, 171), (493, 165), (507, 108), (511, 96),

Gene: Rabbitrun_10 Start: 3920, Stop: 2817, Start Num: 149

Candidate Starts for Rabbitrun_10:

(Start: 149 @3920 has 12 MA's), (155, 3908), (168, 3854), (172, 3845), (176, 3839), (184, 3815), (234, 3662), (252, 3590), (267, 3548), (274, 3527), (278, 3515), (286, 3482), (306, 3392), (318, 3371), (344, 3284), (351, 3257), (380, 3203), (425, 3083), (470, 2987), (473, 2972), (482, 2933), (491, 2891),

Gene: RadFad_40 Start: 27831, Stop: 26659, Start Num: 131

Candidate Starts for RadFad_40:

(Start: 131 @27831 has 287 MA's), (Start: 150 @27780 has 14 MA's), (192, 27666), (215, 27612), (220, 27594), (237, 27522), (247, 27480), (259, 27462), (285, 27384), (289, 27372), (307, 27297), (310, 27288), (329, 27228), (360, 27138), (397, 27033), (405, 27012), (413, 26988), (416, 26985), (445, 26916), (473, 26862), (480, 26838), (482, 26823), (512, 26703), (519, 26676),

Gene: Ramen_41 Start: 32481, Stop: 33569, Start Num: 131

Candidate Starts for Ramen_41:

(Start: 131 @32481 has 287 MA's), (Start: 170 @32583 has 6 MA's), (181, 32607), (193, 32643), (236, 32781), (250, 32835), (289, 32919), (307, 32988), (308, 32991), (359, 33141), (389, 33219), (396, 33246), (438, 33333), (471, 33381),

Gene: Raphaella_40 Start: 27703, Stop: 26564, Start Num: 131

Candidate Starts for Raphaella_40:

(Start: 131 @27703 has 287 MA's), (Start: 150 @27652 has 14 MA's), (215, 27484), (220, 27466), (259, 27334), (285, 27256), (289, 27244), (290, 27238), (307, 27169), (310, 27160), (329, 27100),

(360, 27010), (397, 26905), (405, 26884), (416, 26857), (473, 26734), (480, 26710), (482, 26695), (498, 26620), (508, 26590),

Gene: Rapunzel97_41 Start: 32477, Stop: 33565, Start Num: 131

Candidate Starts for Rapunzel97_41:

(Start: 131 @32477 has 287 MA's), (Start: 150 @32528 has 14 MA's), (Start: 170 @32579 has 6 MA's), (181, 32603), (193, 32639), (236, 32777), (250, 32831), (289, 32915), (307, 32984), (308, 32987), (359, 33137), (389, 33215), (396, 33242), (438, 33329), (471, 33377),

Gene: Raqqa_32 Start: 24809, Stop: 23658, Start Num: 141

Candidate Starts for Raqqa_32:

(Start: 131 @24836 has 287 MA's), (141, 24809), (Start: 150 @24785 has 14 MA's), (220, 24599), (243, 24503), (259, 24467), (285, 24389), (307, 24302), (310, 24293), (329, 24233), (360, 24143), (397, 24038), (399, 24032), (444, 23924), (473, 23873), (480, 23849), (482, 23834), (498, 23759), (512, 23714),

Gene: RavenCo17_41 Start: 31793, Stop: 32899, Start Num: 131

Candidate Starts for RavenCo17_41:

(Start: 96 @31736 has 3 MA's), (Start: 131 @31793 has 287 MA's), (Start: 150 @31844 has 14 MA's), (191, 31949), (208, 31988), (289, 32228), (307, 32297), (308, 32300), (318, 32330), (333, 32381), (336, 32393), (421, 32621), (447, 32681), (449, 32684), (480, 32756), (486, 32786), (511, 32888),

Gene: Rearden_78 Start: 49030, Stop: 50319, Start Num: 84

Candidate Starts for Rearden_78:

(71, 48988), (Start: 84 @49030 has 1 MA's), (Start: 93 @49045 has 10 MA's), (95, 49048), (122, 49093), (Start: 139 @49132 has 1 MA's), (250, 49513), (281, 49597), (284, 49609), (285, 49612), (320, 49741), (376, 49861), (396, 49924), (404, 49942), (412, 49966), (438, 50038), (492, 50215), (493, 50218), (494, 50224), (497, 50242), (500, 50257), (504, 50266), (505, 50269), (519, 50314),

Gene: Reba_36 Start: 26302, Stop: 25163, Start Num: 124

Candidate Starts for Reba_36:

(Start: 85 @26365 has 1 MA's), (Start: 124 @26302 has 117 MA's), (Start: 150 @26248 has 14 MA's), (Start: 170 @26179 has 6 MA's), (240, 25960), (243, 25951), (252, 25915), (285, 25858), (307, 25780), (318, 25747), (348, 25645), (359, 25627), (367, 25615), (390, 25540), (392, 25534), (399, 25513), (406, 25498), (412, 25480), (422, 25456), (486, 25297), (487, 25294), (493, 25264), (494, 25258), (496, 25246), (508, 25207),

Gene: Renaud18_46 Start: 32683, Stop: 33786, Start Num: 131

Candidate Starts for Renaud18_46:

(Start: 131 @32683 has 287 MA's), (Start: 150 @32731 has 14 MA's), (182, 32812), (189, 32839), (250, 33052), (263, 33076), (285, 33124), (307, 33205), (329, 33274), (332, 33283), (339, 33313), (346, 33337), (359, 33358), (389, 33436), (392, 33451), (421, 33511), (438, 33550), (447, 33565), (460, 33589), (473, 33616), (480, 33640), (483, 33661), (486, 33670), (495, 33715), (497, 33727),

Gene: Retro23_35 Start: 26753, Stop: 25632, Start Num: 124

Candidate Starts for Retro23_35:

(Start: 85 @26816 has 1 MA's), (Start: 124 @26753 has 117 MA's), (Start: 150 @26699 has 14 MA's), (Start: 170 @26630 has 6 MA's), (186, 26585), (236, 26429), (252, 26366), (289, 26297), (303, 26255), (307, 26231), (325, 26168), (359, 26078), (367, 26066), (390, 25991), (392, 25985), (399, 25964), (406, 25949), (412, 25931), (423, 25904), (475, 25793), (486, 25748), (487, 25745), (488, 25742), (493, 25715), (494, 25709), (496, 25697), (508, 25658),

Gene: Rialto_46 Start: 34385, Stop: 35503, Start Num: 131

Candidate Starts for Rialto_46:

(Start: 131 @34385 has 287 MA's), (193, 34556), (240, 34721), (250, 34757), (252, 34766), (292, 34871), (309, 34940), (320, 34979), (327, 35000), (332, 35012), (333, 35015), (336, 35027), (346, 35066), (349, 35072), (363, 35093), (381, 35129), (382, 35132), (390, 35168), (392, 35174), (397, 35189), (404, 35204), (438, 35273), (447, 35288), (483, 35375), (486, 35384), (494, 35423), (497, 35441), (503, 35462), (509, 35477), (511, 35486), (512, 35489),

Gene: Richie_40 Start: 27784, Stop: 26645, Start Num: 131

Candidate Starts for Richie_40:

(Start: 131 @27784 has 287 MA's), (Start: 150 @27733 has 14 MA's), (215, 27565), (220, 27547), (250, 27424), (259, 27415), (285, 27337), (289, 27325), (290, 27319), (307, 27250), (310, 27241), (329, 27181), (360, 27091), (397, 26986), (405, 26965), (416, 26938), (473, 26815), (480, 26791), (482, 26776), (498, 26701), (508, 26671),

Gene: Richo_43 Start: 33014, Stop: 34105, Start Num: 131

Candidate Starts for Richo_43:

(11, 32333), (18, 32477), (29, 32681), (42, 32780), (43, 32789), (48, 32816), (62, 32864), (Start: 131 @33014 has 287 MA's), (Start: 150 @33065 has 14 MA's), (181, 33140), (193, 33176), (229, 33290), (236, 33314), (250, 33368), (289, 33452), (296, 33485), (307, 33521), (308, 33524), (320, 33566), (346, 33653), (359, 33674), (396, 33782), (427, 33842), (464, 33905), (471, 33917), (495, 34025), (504, 34061),

Gene: Rita_44 Start: 31945, Stop: 33063, Start Num: 131

Candidate Starts for Rita_44:

(Start: 131 @31945 has 287 MA's), (182, 32083), (193, 32116), (209, 32164), (250, 32317), (252, 32326), (285, 32407), (309, 32500), (327, 32560), (332, 32572), (333, 32575), (339, 32602), (346, 32626), (363, 32653), (381, 32689), (382, 32692), (390, 32728), (404, 32764), (438, 32833), (447, 32848), (463, 32866), (483, 32935), (486, 32944), (490, 32956), (494, 32983), (497, 33001), (503, 33022), (509, 33037), (511, 33046), (512, 33049),

Gene: Rockstar_33 Start: 26058, Stop: 24934, Start Num: 124

Candidate Starts for Rockstar_33:

(Start: 99 @26100 has 1 MA's), (Start: 124 @26058 has 117 MA's), (Start: 144 @26019 has 10 MA's), (159, 25971), (Start: 170 @25935 has 6 MA's), (186, 25890), (240, 25716), (252, 25671), (281, 25629), (289, 25602), (307, 25536), (320, 25491), (359, 25383), (367, 25371), (375, 25350), (390, 25296), (392, 25290), (399, 25269), (406, 25254), (412, 25236), (423, 25209), (475, 25098), (487, 25050), (488, 25047), (493, 25020), (494, 25014), (496, 25002), (500, 24981), (508, 24963),

Gene: RootBeer_29 Start: 22941, Stop: 24083, Start Num: 131

Candidate Starts for RootBeer_29:

(Start: 131 @22941 has 287 MA's), (Start: 150 @22992 has 14 MA's), (158, 23019), (248, 23295), (250, 23301), (255, 23319), (292, 23427), (307, 23487), (336, 23580), (382, 23700), (393, 23748), (405, 23778), (446, 23874), (486, 23982), (501, 24057),

Gene: Rosmarinus_41 Start: 32583, Stop: 33671, Start Num: 131

Candidate Starts for Rosmarinus_41:

(13, 31980), (21, 32157), (36, 32322), (44, 32361), (Start: 131 @32583 has 287 MA's), (Start: 150 @32634 has 14 MA's), (Start: 170 @32685 has 6 MA's), (181, 32709), (193, 32745), (236, 32883), (289, 33021), (307, 33090), (308, 33093), (359, 33243), (396, 33348), (471, 33483),

Gene: SG4_40 Start: 31653, Stop: 32771, Start Num: 131

Candidate Starts for SG4_40:

(Start: 131 @31653 has 287 MA's), (135, 31662), (193, 31824), (240, 31989), (250, 32025), (252, 32034), (285, 32115), (292, 32139), (309, 32208), (320, 32247), (325, 32265), (327, 32268), (332, 32280), (333, 32283), (336, 32295), (346, 32334), (349, 32340), (363, 32361), (381, 32397), (382, 32400), (390, 32436), (392, 32442), (397, 32457), (438, 32541), (447, 32556), (463, 32574), (483, 32643), (486, 32652), (494, 32691), (497, 32709), (503, 32730), (509, 32745), (511, 32754), (512, 32757),

Gene: Saal_43 Start: 31957, Stop: 33075, Start Num: 131

Candidate Starts for Saal_43:

(Start: 131 @31957 has 287 MA's), (182, 32095), (193, 32128), (209, 32176), (240, 32293), (250, 32329), (252, 32338), (292, 32443), (309, 32512), (327, 32572), (332, 32584), (333, 32587), (336, 32599), (339, 32614), (346, 32638), (349, 32644), (363, 32665), (381, 32701), (382, 32704), (390, 32740), (392, 32746), (396, 32758), (397, 32761), (438, 32845), (447, 32860), (473, 32902), (483, 32947), (486, 32956), (494, 32995), (497, 33013), (503, 33034), (509, 33049), (511, 33058), (512, 33061),

Gene: Sabia_36 Start: 26783, Stop: 25638, Start Num: 124

Candidate Starts for Sabia_36:

(Start: 124 @26783 has 117 MA's), (Start: 144 @26744 has 10 MA's), (159, 26696), (Start: 170 @26660 has 6 MA's), (186, 26615), (236, 26459), (243, 26432), (252, 26396), (285, 26339), (307, 26261), (315, 26237), (325, 26198), (348, 26126), (354, 26114), (359, 26108), (367, 26096), (390, 26021), (392, 26015), (399, 25994), (406, 25979), (412, 25961), (422, 25937), (475, 25823), (486, 25778), (487, 25775), (490, 25766), (493, 25745), (494, 25739), (496, 25727), (508, 25688),

Gene: Sabinator_36 Start: 26788, Stop: 25643, Start Num: 124

Candidate Starts for Sabinator_36:

(Start: 124 @26788 has 117 MA's), (Start: 144 @26749 has 10 MA's), (159, 26701), (Start: 170 @26665 has 6 MA's), (186, 26620), (236, 26464), (243, 26437), (252, 26401), (285, 26344), (307, 26266), (315, 26242), (325, 26203), (348, 26131), (354, 26119), (359, 26113), (367, 26101), (390, 26026), (392, 26020), (399, 25999), (406, 25984), (412, 25966), (422, 25942), (475, 25828), (486, 25783), (487, 25780), (490, 25771), (493, 25750), (494, 25744), (496, 25732), (508, 25693),

Gene: Sahara_36 Start: 27505, Stop: 28704, Start Num: 72

Candidate Starts for Sahara_36:

(Start: 72 @27505 has 2 MA's), (Start: 74 @27511 has 6 MA's), (Start: 130 @27622 has 52 MA's), (Start: 150 @27676 has 14 MA's), (197, 27796), (284, 28051), (292, 28081), (308, 28141), (329, 28207), (336, 28231), (381, 28336), (480, 28561), (485, 28588), (511, 28693),

Gene: Sakai_40 Start: 27712, Stop: 26573, Start Num: 131

Candidate Starts for Sakai_40:

(Start: 131 @27712 has 287 MA's), (Start: 150 @27661 has 14 MA's), (215, 27493), (220, 27475), (259, 27343), (285, 27265), (289, 27253), (290, 27247), (307, 27178), (310, 27169), (329, 27109), (360, 27019), (397, 26914), (405, 26893), (416, 26866), (473, 26743), (480, 26719), (482, 26704), (498, 26629), (508, 26599),

Gene: Samman98_40 Start: 29099, Stop: 30226, Start Num: 131

Candidate Starts for Samman98_40:

(107, 29060), (Start: 131 @29099 has 287 MA's), (Start: 150 @29153 has 14 MA's), (191, 29276), (204, 29309), (230, 29399), (238, 29432), (307, 29627), (308, 29630), (320, 29672), (333, 29708), (449, 30005), (480, 30083), (485, 30110), (490, 30125), (494, 30152), (511, 30215),

Gene: SamuelLPlaqson_42 Start: 33376, Stop: 34464, Start Num: 131

Candidate Starts for SamuelLPlaqson_42:

(44, 33154), (Start: 131 @33376 has 287 MA's), (Start: 150 @33427 has 14 MA's), (Start: 170 @33478 has 6 MA's), (181, 33502), (193, 33538), (229, 33652), (250, 33730), (289, 33814), (307, 33883), (308, 33886), (359, 34036), (396, 34141), (471, 34276), (504, 34420),

Gene: Sarge_28 Start: 22501, Stop: 21347, Start Num: 131

Candidate Starts for Sarge_28:

(87, 22564), (Start: 131 @22501 has 287 MA's), (Start: 150 @22450 has 14 MA's), (151, 22447), (158, 22423), (229, 22198), (240, 22153), (245, 22132), (246, 22129), (253, 22105), (289, 22006), (292, 21991), (315, 21910), (342, 21817), (372, 21748), (390, 21694), (398, 21670), (405, 21652), (416, 21625), (438, 21571), (446, 21556), (452, 21547), (482, 21463), (483, 21457), (486, 21448), (495, 21403), (501, 21373),

Gene: Sarma624_38 Start: 27903, Stop: 29021, Start Num: 131

Candidate Starts for Sarma624_38:

(Start: 131 @27903 has 287 MA's), (193, 28074), (240, 28239), (250, 28275), (252, 28284), (285, 28365), (292, 28389), (309, 28458), (320, 28497), (325, 28515), (327, 28518), (332, 28530), (333, 28533), (336, 28545), (339, 28560), (346, 28584), (349, 28590), (363, 28611), (381, 28647), (382, 28650), (390, 28686), (392, 28692), (396, 28704), (397, 28707), (404, 28722), (438, 28791), (447, 28806), (473, 28848), (483, 28893), (486, 28902), (494, 28941), (497, 28959), (503, 28980), (509, 28995), (511, 29004), (512, 29007),

Gene: Sashimi_39 Start: 28789, Stop: 27602, Start Num: 131

Candidate Starts for Sashimi_39:

(Start: 131 @28789 has 287 MA's), (Start: 150 @28738 has 14 MA's), (174, 28672), (220, 28552), (238, 28471), (243, 28456), (259, 28420), (285, 28342), (307, 28255), (310, 28246), (319, 28216), (329, 28186), (360, 28096), (397, 27991), (473, 27820), (480, 27796), (482, 27781), (512, 27661),

Gene: SaturnRing_33 Start: 26297, Stop: 25170, Start Num: 124

Candidate Starts for SaturnRing_33:

(Start: 124 @26297 has 117 MA's), (159, 26210), (Start: 170 @26174 has 6 MA's), (186, 26129), (236, 25973), (238, 25961), (240, 25955), (252, 25910), (284, 25856), (285, 25853), (307, 25775), (359, 25622), (367, 25610), (382, 25571), (390, 25535), (392, 25529), (399, 25508), (406, 25493), (412, 25475), (423, 25448), (475, 25337), (487, 25289), (493, 25259), (494, 25253), (496, 25241), (508, 25202),

Gene: Savage_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for Savage_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Scarlett_45 Start: 33589, Stop: 34674, Start Num: 131

Candidate Starts for Scarlett_45:

(14, 32986), (16, 33004), (19, 33082), (26, 33253), (37, 33328), (44, 33367), (56, 33421), (Start: 131 @33589 has 287 MA's), (183, 33724), (193, 33751), (236, 33889), (246, 33931), (250, 33943), (289, 34027), (307, 34096), (308, 34099), (320, 34141), (359, 34249), (396, 34354), (438, 34441), (471, 34489), (495, 34597), (509, 34645),

Gene: Schmidt_32 Start: 24660, Stop: 23548, Start Num: 154

Candidate Starts for Schmidt_32:

(Start: 154 @24660 has 2 MA's), (164, 24615), (242, 24354), (249, 24330), (287, 24249), (289, 24243), (315, 24150), (329, 24108), (330, 24105), (339, 24069), (374, 23997), (390, 23946), (392, 23940), (399, 23919), (470, 23772), (480, 23733), (486, 23703), (493, 23670), (510, 23610), (520, 23571),

(522, 23556),

Gene: Scout_33 Start: 25604, Stop: 24477, Start Num: 124

Candidate Starts for Scout_33:

(Start: 124 @25604 has 117 MA's), (159, 25517), (Start: 170 @25481 has 6 MA's), (186, 25436), (209, 25376), (236, 25280), (238, 25268), (240, 25262), (252, 25217), (284, 25163), (285, 25160), (291, 25136), (348, 24947), (359, 24929), (367, 24917), (382, 24878), (390, 24842), (392, 24836), (399, 24815), (406, 24800), (412, 24782), (475, 24644), (487, 24596), (493, 24566), (494, 24560), (496, 24548), (508, 24509),

Gene: Seahorse_41 Start: 29287, Stop: 28109, Start Num: 131

Candidate Starts for Seahorse_41:

(Start: 131 @29287 has 287 MA's), (174, 29170), (220, 29050), (259, 28918), (285, 28840), (307, 28753), (310, 28744), (329, 28684), (360, 28594), (397, 28489), (399, 28483), (416, 28441), (473, 28324), (478, 28303), (480, 28300), (482, 28285), (512, 28165),

Gene: Sekhmet_40 Start: 29999, Stop: 31126, Start Num: 131

Candidate Starts for Sekhmet_40:

(107, 29960), (Start: 131 @29999 has 287 MA's), (Start: 150 @30053 has 14 MA's), (191, 30176), (204, 30209), (230, 30299), (238, 30332), (307, 30527), (308, 30530), (320, 30572), (333, 30608), (449, 30905), (480, 30983), (485, 31010), (490, 31025), (494, 31052), (511, 31115),

Gene: SemperFi_35 Start: 26638, Stop: 25517, Start Num: 127

Candidate Starts for SemperFi_35:

(110, 26668), (Start: 127 @26638 has 10 MA's), (Start: 170 @26518 has 6 MA's), (186, 26473), (236, 26317), (243, 26290), (252, 26254), (285, 26197), (289, 26185), (307, 26119), (320, 26074), (325, 26056), (359, 25966), (367, 25954), (386, 25897), (390, 25879), (392, 25873), (399, 25852), (406, 25837), (412, 25819), (423, 25792), (475, 25681), (487, 25633), (488, 25630), (493, 25603), (494, 25597), (496, 25585), (508, 25546),

Gene: Serenity_34 Start: 25724, Stop: 24600, Start Num: 124

Candidate Starts for Serenity_34:

(Start: 124 @25724 has 117 MA's), (157, 25646), (Start: 170 @25601 has 6 MA's), (186, 25556), (201, 25514), (209, 25496), (243, 25373), (252, 25337), (284, 25283), (285, 25280), (307, 25202), (320, 25157), (321, 25154), (325, 25139), (354, 25055), (359, 25049), (375, 25016), (390, 24962), (399, 24935), (406, 24920), (412, 24902), (423, 24875), (475, 24764), (487, 24716), (488, 24713), (490, 24707), (493, 24686), (494, 24680), (496, 24668), (508, 24629),

Gene: Settecandela_38 Start: 20588, Stop: 21727, Start Num: 131

Candidate Starts for Settecandela_38:

(Start: 131 @20588 has 287 MA's), (151, 20642), (Start: 175 @20714 has 1 MA's), (250, 20966), (252, 20975), (284, 21065), (289, 21080), (307, 21158), (329, 21227), (333, 21239), (359, 21311), (384, 21362), (385, 21365), (392, 21401), (417, 21452), (438, 21500), (440, 21506), (447, 21515), (482, 21596), (502, 21689), (508, 21701), (511, 21713),

Gene: SgtBeansprout_36 Start: 31976, Stop: 33070, Start Num: 131

Candidate Starts for SgtBeansprout_36:

(25, 31625), (27, 31640), (39, 31733), (44, 31754), (70, 31847), (Start: 131 @31976 has 287 MA's), (Start: 150 @32027 has 14 MA's), (181, 32102), (193, 32138), (224, 32234), (229, 32252), (236, 32276), (248, 32324), (250, 32330), (300, 32462), (307, 32495), (320, 32540), (359, 32648), (396, 32753), (427, 32813), (471, 32888), (495, 32996), (504, 33032),

Gene: Shaboozey_79 Start: 48487, Stop: 49761, Start Num: 93

Candidate Starts for Shaboozey_79:

(71, 48430), (Start: 84 @48472 has 1 MA's), (Start: 93 @48487 has 10 MA's), (95, 48490), (122, 48535), (Start: 139 @48574 has 1 MA's), (250, 48955), (281, 49039), (284, 49051), (285, 49054), (320, 49183), (376, 49303), (396, 49366), (404, 49384), (412, 49408), (438, 49480), (492, 49657), (493, 49660), (494, 49666), (497, 49684), (500, 49699), (504, 49708), (505, 49711), (519, 49756),

Gene: Shaobing_43 Start: 33037, Stop: 34128, Start Num: 131

Candidate Starts for Shaobing_43:

(29, 32704), (42, 32803), (43, 32812), (48, 32839), (62, 32887), (Start: 131 @33037 has 287 MA's), (148, 33082), (Start: 150 @33088 has 14 MA's), (181, 33163), (193, 33199), (229, 33313), (236, 33337), (250, 33391), (289, 33475), (296, 33508), (307, 33544), (308, 33547), (320, 33589), (346, 33676), (359, 33697), (396, 33805), (427, 33865), (464, 33928), (471, 33940), (495, 34048), (504, 34084),

Gene: Shauna1_38 Start: 31056, Stop: 32174, Start Num: 131

Candidate Starts for Shauna1_38:

(Start: 131 @31056 has 287 MA's), (193, 31227), (240, 31392), (250, 31428), (252, 31437), (285, 31518), (309, 31611), (327, 31671), (332, 31683), (333, 31686), (339, 31713), (346, 31737), (363, 31764), (381, 31800), (382, 31803), (390, 31839), (404, 31875), (438, 31944), (447, 31959), (463, 31977), (483, 32046), (486, 32055), (490, 32067), (494, 32094), (497, 32112), (503, 32133), (509, 32148), (511, 32157), (512, 32160),

Gene: ShawBrad_51 Start: 32319, Stop: 33413, Start Num: 131

Candidate Starts for ShawBrad_51:

(81, 32232), (101, 32268), (Start: 131 @32319 has 287 MA's), (Start: 150 @32370 has 14 MA's), (182, 32448), (191, 32475), (209, 32520), (222, 32562), (250, 32670), (252, 32679), (289, 32754), (293, 32772), (320, 32871), (332, 32904), (333, 32907), (336, 32919), (382, 33021), (413, 33114), (447, 33186), (480, 33246), (493, 33309), (495, 33321), (512, 33381),

Gene: SheldonCooper_34 Start: 26519, Stop: 25467, Start Num: 156

Candidate Starts for SheldonCooper_34:

(Start: 96 @26633 has 3 MA's), (Start: 115 @26606 has 1 MA's), (Start: 124 @26588 has 117 MA's), (Start: 156 @26519 has 8 MA's), (Start: 170 @26465 has 6 MA's), (240, 26246), (243, 26237), (252, 26201), (281, 26159), (284, 26147), (285, 26144), (348, 25931), (359, 25913), (390, 25826), (392, 25820), (399, 25799), (406, 25784), (412, 25766), (475, 25628), (487, 25580), (493, 25550), (494, 25544), (496, 25532), (508, 25493),

Gene: ShiaSurprise_42 Start: 32792, Stop: 33880, Start Num: 131

Candidate Starts for ShiaSurprise_42:

(Start: 131 @32792 has 287 MA's), (Start: 170 @32894 has 6 MA's), (181, 32918), (193, 32954), (236, 33092), (289, 33230), (307, 33299), (308, 33302), (359, 33452), (396, 33557), (471, 33692),

Gene: Shlim410_38 Start: 32549, Stop: 33676, Start Num: 131

Candidate Starts for Shlim410_38:

(107, 32510), (Start: 131 @32549 has 287 MA's), (Start: 150 @32603 has 14 MA's), (191, 32726), (204, 32759), (230, 32849), (238, 32882), (307, 33077), (308, 33080), (320, 33122), (333, 33158), (449, 33455), (480, 33533), (485, 33560), (490, 33575), (494, 33602), (511, 33665),

Gene: Shoya_35 Start: 24881, Stop: 23751, Start Num: 131

Candidate Starts for Shoya_35:

(Start: 131 @24881 has 287 MA's), (Start: 150 @24830 has 14 MA's), (151, 24827), (229, 24602), (240, 24557), (245, 24536), (246, 24533), (252, 24512), (253, 24509), (292, 24395), (316, 24311), (390, 24098), (398, 24074), (405, 24056), (416, 24029), (427, 24002), (438, 23975), (446, 23960),

(452, 23951), (483, 23861), (495, 23807), (501, 23777),

Gene: ShroomBoi_42 Start: 32032, Stop: 33150, Start Num: 131

Candidate Starts for ShroomBoi_42:

(Start: 131 @32032 has 287 MA's), (135, 32041), (182, 32170), (193, 32203), (209, 32251), (240, 32368), (250, 32404), (252, 32413), (285, 32494), (292, 32518), (309, 32587), (320, 32626), (325, 32644), (327, 32647), (332, 32659), (333, 32662), (336, 32674), (339, 32689), (346, 32713), (349, 32719), (363, 32740), (381, 32776), (382, 32779), (390, 32815), (392, 32821), (397, 32836), (404, 32851), (438, 32920), (447, 32935), (473, 32977), (483, 33022), (486, 33031), (494, 33070), (497, 33088), (503, 33109), (509, 33124), (511, 33133), (512, 33136),

Gene: Shukran_42 Start: 28423, Stop: 27284, Start Num: 131

Candidate Starts for Shukran_42:

(51, 28612), (67, 28567), (82, 28507), (Start: 131 @28423 has 287 MA's), (Start: 150 @28375 has 14 MA's), (198, 28249), (215, 28210), (250, 28066), (253, 28054), (255, 28048), (289, 27955), (292, 27940), (307, 27880), (315, 27856), (317, 27850), (336, 27787), (393, 27619), (405, 27589), (446, 27493), (486, 27385), (490, 27373), (501, 27310),

Gene: SilverChicken_53 Start: 32857, Stop: 33975, Start Num: 131

Candidate Starts for SilverChicken_53:

(Start: 131 @32857 has 287 MA's), (135, 32866), (193, 33028), (209, 33076), (240, 33193), (250, 33229), (252, 33238), (292, 33343), (309, 33412), (320, 33451), (325, 33469), (327, 33472), (332, 33484), (333, 33487), (336, 33499), (346, 33538), (349, 33544), (363, 33565), (381, 33601), (382, 33604), (390, 33640), (392, 33646), (396, 33658), (397, 33661), (404, 33676), (438, 33745), (447, 33760), (473, 33802), (483, 33847), (486, 33856), (494, 33895), (497, 33913), (503, 33934), (509, 33949), (511, 33958), (512, 33961),

Gene: SimranZ1_43 Start: 31600, Stop: 32718, Start Num: 131

Candidate Starts for SimranZ1_43:

(Start: 131 @31600 has 287 MA's), (182, 31738), (193, 31771), (209, 31819), (250, 31972), (252, 31981), (285, 32062), (309, 32155), (327, 32215), (332, 32227), (333, 32230), (339, 32257), (346, 32281), (363, 32308), (381, 32344), (382, 32347), (390, 32383), (404, 32419), (438, 32488), (447, 32503), (463, 32521), (483, 32590), (486, 32599), (494, 32638), (497, 32656), (503, 32677), (509, 32692), (511, 32701), (512, 32704),

Gene: Sknot_35 Start: 26449, Stop: 25382, Start Num: 150

Candidate Starts for Sknot_35:

(Start: 85 @26566 has 1 MA's), (Start: 124 @26503 has 117 MA's), (Start: 150 @26449 has 14 MA's), (Start: 170 @26380 has 6 MA's), (186, 26335), (227, 26209), (243, 26152), (252, 26116), (284, 26062), (285, 26059), (320, 25936), (325, 25918), (359, 25828), (367, 25816), (390, 25741), (392, 25735), (399, 25714), (406, 25699), (412, 25681), (423, 25654), (487, 25495), (493, 25465), (494, 25459), (496, 25447), (508, 25408),

Gene: Slimphazie_41 Start: 32477, Stop: 33565, Start Num: 131

Candidate Starts for Slimphazie_41:

(Start: 131 @32477 has 287 MA's), (Start: 150 @32528 has 14 MA's), (Start: 170 @32579 has 6 MA's), (181, 32603), (193, 32639), (236, 32777), (250, 32831), (289, 32915), (307, 32984), (308, 32987), (359, 33137), (389, 33215), (396, 33242), (438, 33329), (471, 33377),

Gene: Smeagan_36 Start: 26880, Stop: 25771, Start Num: 124

Candidate Starts for Smeagan_36:

(Start: 104 @26913 has 7 MA's), (Start: 116 @26895 has 7 MA's), (Start: 124 @26880 has 117 MA's), (Start: 156 @26814 has 8 MA's), (Start: 170 @26766 has 6 MA's), (186, 26721), (236, 26565), (240,

26547), (243, 26538), (252, 26502), (285, 26445), (307, 26367), (315, 26343), (318, 26334), (320, 26322), (325, 26304), (359, 26214), (367, 26202), (386, 26145), (390, 26127), (399, 26100), (406, 26085), (412, 26067), (423, 26040), (427, 26031), (475, 25929), (487, 25881), (488, 25878), (493, 25851), (494, 25845), (496, 25833), (508, 25794),

Gene: SnapTap_34 Start: 26396, Stop: 25329, Start Num: 150

Candidate Starts for SnapTap_34:

(Start: 85 @26513 has 1 MA's), (Start: 124 @26450 has 117 MA's), (Start: 150 @26396 has 14 MA's), (Start: 170 @26327 has 6 MA's), (186, 26282), (227, 26156), (240, 26108), (243, 26099), (252, 26063), (284, 26009), (285, 26006), (320, 25883), (325, 25865), (336, 25835), (354, 25781), (359, 25775), (367, 25763), (390, 25688), (392, 25682), (399, 25661), (406, 25646), (412, 25628), (423, 25601), (475, 25490), (487, 25442), (493, 25412), (494, 25406), (496, 25394), (508, 25355),

Gene: Snickers_36 Start: 26724, Stop: 25618, Start Num: 144

Candidate Starts for Snickers_36:

(Start: 124 @26763 has 117 MA's), (Start: 144 @26724 has 10 MA's), (159, 26676), (Start: 170 @26640 has 6 MA's), (186, 26595), (236, 26439), (243, 26412), (252, 26376), (285, 26319), (307, 26241), (315, 26217), (325, 26178), (348, 26106), (354, 26094), (359, 26088), (367, 26076), (390, 26001), (392, 25995), (399, 25974), (406, 25959), (412, 25941), (422, 25917), (475, 25803), (486, 25758), (487, 25755), (490, 25746), (493, 25725), (494, 25719), (496, 25707), (508, 25668),

Gene: SoYo_36 Start: 26701, Stop: 25556, Start Num: 124

Candidate Starts for SoYo_36:

(Start: 124 @26701 has 117 MA's), (Start: 144 @26662 has 10 MA's), (159, 26614), (Start: 170 @26578 has 6 MA's), (186, 26533), (236, 26377), (243, 26350), (252, 26314), (285, 26257), (307, 26179), (315, 26155), (325, 26116), (348, 26044), (354, 26032), (359, 26026), (367, 26014), (390, 25939), (392, 25933), (399, 25912), (406, 25897), (412, 25879), (422, 25855), (475, 25741), (486, 25696), (487, 25693), (490, 25684), (493, 25663), (494, 25657), (496, 25645), (508, 25606),

Gene: SoilAssassin_34 Start: 27695, Stop: 28777, Start Num: 130

Candidate Starts for SoilAssassin_34:

(Start: 74 @27584 has 6 MA's), (Start: 130 @27695 has 52 MA's), (Start: 150 @27749 has 14 MA's), (197, 27869), (284, 28124), (292, 28154), (308, 28214), (329, 28280), (336, 28304), (480, 28634), (485, 28661), (511, 28766),

Gene: SoilDragon_35 Start: 26236, Stop: 25091, Start Num: 124

Candidate Starts for SoilDragon_35:

(Start: 124 @26236 has 117 MA's), (Start: 144 @26197 has 10 MA's), (159, 26149), (Start: 170 @26113 has 6 MA's), (186, 26068), (236, 25912), (243, 25885), (252, 25849), (285, 25792), (307, 25714), (315, 25690), (325, 25651), (348, 25579), (354, 25567), (359, 25561), (367, 25549), (390, 25474), (392, 25468), (399, 25447), (406, 25432), (412, 25414), (475, 25276), (486, 25231), (487, 25228), (490, 25219), (493, 25198), (494, 25192), (496, 25180), (508, 25141),

Gene: Sonali_29 Start: 28564, Stop: 29715, Start Num: 131

Candidate Starts for Sonali_29:

(108, 28522), (Start: 131 @28564 has 287 MA's), (135, 28573), (199, 28741), (261, 28918), (285, 28990), (339, 29185), (450, 29473), (482, 29569), (485, 29581), (486, 29584),

Gene: Soul22_46 Start: 32314, Stop: 33432, Start Num: 131

Candidate Starts for Soul22_46:

(Start: 131 @32314 has 287 MA's), (193, 32485), (250, 32686), (252, 32695), (285, 32776), (309, 32869), (327, 32929), (332, 32941), (333, 32944), (339, 32971), (346, 32995), (363, 33022), (381, 33058), (382, 33061), (390, 33097), (404, 33133), (438, 33202), (447, 33217), (463, 33235), (483,

33304), (486, 33313), (494, 33352), (497, 33370), (503, 33391), (509, 33406), (511, 33415), (512, 33418),

Gene: Sparky_45 Start: 33811, Stop: 34989, Start Num: 133

Candidate Starts for Sparky_45:

(Start: 133 @33811 has 2 MA's), (Start: 150 @33859 has 14 MA's), (177, 33925), (193, 33970), (238, 34120), (250, 34162), (289, 34276), (294, 34303), (307, 34351), (308, 34354), (333, 34435), (336, 34447), (379, 34552), (390, 34594), (394, 34609), (402, 34624), (416, 34648), (471, 34759), (485, 34819), (503, 34900), (508, 34912), (518, 34951),

Gene: Spartacus_41 Start: 31407, Stop: 32525, Start Num: 131

Candidate Starts for Spartacus_41:

(Start: 131 @31407 has 287 MA's), (135, 31416), (193, 31578), (252, 31788), (285, 31869), (309, 31962), (320, 32001), (327, 32022), (332, 32034), (333, 32037), (342, 32073), (346, 32088), (349, 32094), (363, 32115), (381, 32151), (382, 32154), (390, 32190), (392, 32196), (404, 32226), (417, 32247), (438, 32295), (447, 32310), (473, 32352), (483, 32397), (486, 32406), (494, 32445), (497, 32463), (503, 32484), (509, 32499), (511, 32508), (512, 32511),

Gene: Spartoi_37 Start: 25898, Stop: 24921, Start Num: 175

Candidate Starts for Spartoi_37:

(Start: 131 @26012 has 287 MA's), (146, 25973), (Start: 150 @25961 has 14 MA's), (Start: 175 @25898 has 1 MA's), (182, 25883), (235, 25718), (246, 25670), (247, 25667), (272, 25643), (289, 25583), (317, 25481), (329, 25442), (392, 25262), (402, 25238), (405, 25226), (431, 25166), (442, 25139), (449, 25124), (456, 25115), (471, 25085), (473, 25076), (483, 25031), (485, 25025), (497, 24965), (501, 24947),

Gene: Sparxx_33 Start: 26249, Stop: 25128, Start Num: 124

Candidate Starts for Sparxx_33:

(Start: 96 @26294 has 3 MA's), (Start: 115 @26267 has 1 MA's), (Start: 124 @26249 has 117 MA's), (Start: 156 @26180 has 8 MA's), (Start: 170 @26126 has 6 MA's), (240, 25907), (243, 25898), (252, 25862), (281, 25820), (284, 25808), (285, 25805), (307, 25727), (348, 25592), (359, 25574), (390, 25487), (392, 25481), (399, 25460), (406, 25445), (412, 25427), (475, 25289), (487, 25241), (493, 25211), (494, 25205), (496, 25193), (508, 25154),

Gene: SpicyFrank_39 Start: 27481, Stop: 26348, Start Num: 131

Candidate Starts for SpicyFrank_39:

(76, 27571), (83, 27550), (Start: 131 @27481 has 287 MA's), (Start: 150 @27430 has 14 MA's), (215, 27262), (220, 27244), (247, 27130), (259, 27112), (285, 27034), (307, 26947), (310, 26938), (329, 26878), (342, 26830), (360, 26788), (397, 26683), (413, 26638), (416, 26635), (473, 26518), (480, 26494), (482, 26479), (498, 26404), (508, 26374),

Gene: Splinter_37 Start: 27965, Stop: 26850, Start Num: 149

Candidate Starts for Splinter_37:

(121, 28034), (Start: 149 @27965 has 12 MA's), (251, 27626), (262, 27593), (348, 27299), (352, 27287), (371, 27254), (428, 27107), (490, 26936), (494, 26909),

Gene: Spock_41 Start: 32596, Stop: 33684, Start Num: 131

Candidate Starts for Spock_41:

(23, 32212), (31, 32299), (44, 32374), (Start: 131 @32596 has 287 MA's), (Start: 150 @32647 has 14 MA's), (Start: 170 @32698 has 6 MA's), (181, 32722), (193, 32758), (236, 32896), (289, 33034), (307, 33103), (308, 33106), (359, 33256), (396, 33361), (471, 33496),

Gene: Sproutie_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for Sproutie_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Squint_87 Start: 50854, Stop: 52128, Start Num: 93

Candidate Starts for Squint_87:

(71, 50797), (Start: 84 @50839 has 1 MA's), (Start: 93 @50854 has 10 MA's), (95, 50857), (122, 50902), (Start: 139 @50941 has 1 MA's), (250, 51322), (281, 51406), (284, 51418), (285, 51421), (320, 51550), (376, 51670), (396, 51733), (404, 51751), (412, 51775), (438, 51847), (492, 52024), (493, 52027), (494, 52033), (497, 52051), (500, 52066), (504, 52075), (505, 52078), (519, 52123),

Gene: Squirty_35 Start: 28972, Stop: 30078, Start Num: 131

Candidate Starts for Squirty_35:

(121, 28951), (Start: 131 @28972 has 287 MA's), (189, 29131), (199, 29167), (246, 29332), (289, 29428), (291, 29440), (301, 29473), (307, 29497), (329, 29566), (332, 29575), (333, 29578), (346, 29629), (359, 29650), (389, 29728), (392, 29743), (421, 29803), (438, 29842), (447, 29857), (460, 29881), (473, 29908), (480, 29932), (483, 29953), (486, 29962), (497, 30019),

Gene: StAnnes_42 Start: 33543, Stop: 34661, Start Num: 131

Candidate Starts for StAnnes_42:

(Start: 131 @33543 has 287 MA's), (135, 33552), (193, 33714), (240, 33879), (250, 33915), (252, 33924), (292, 34029), (309, 34098), (320, 34137), (327, 34158), (332, 34170), (333, 34173), (336, 34185), (346, 34224), (349, 34230), (363, 34251), (381, 34287), (382, 34290), (390, 34326), (392, 34332), (397, 34347), (438, 34431), (447, 34446), (473, 34488), (483, 34533), (486, 34542), (494, 34581), (497, 34599), (503, 34620), (509, 34635), (511, 34644), (512, 34647),

Gene: Stagni_36 Start: 26792, Stop: 25647, Start Num: 124

Candidate Starts for Stagni_36:

(Start: 124 @26792 has 117 MA's), (Start: 144 @26753 has 10 MA's), (159, 26705), (Start: 170 @26669 has 6 MA's), (186, 26624), (236, 26468), (243, 26441), (252, 26405), (285, 26348), (307, 26270), (315, 26246), (325, 26207), (348, 26135), (354, 26123), (359, 26117), (367, 26105), (390, 26030), (392, 26024), (399, 26003), (406, 25988), (412, 25970), (422, 25946), (475, 25832), (486, 25787), (487, 25784), (490, 25775), (493, 25754), (494, 25748), (496, 25736), (508, 25697),

Gene: StarStuff_37 Start: 26423, Stop: 25353, Start Num: 150

Candidate Starts for StarStuff_37:

(Start: 124 @26477 has 117 MA's), (Start: 150 @26423 has 14 MA's), (Start: 170 @26354 has 6 MA's), (236, 26153), (243, 26126), (252, 26090), (285, 26033), (292, 26006), (307, 25955), (318, 25922), (320, 25910), (325, 25892), (348, 25820), (359, 25802), (367, 25790), (382, 25751), (390, 25715), (392, 25709), (399, 25688), (406, 25673), (412, 25655), (423, 25628), (475, 25517), (487, 25469), (488, 25466), (493, 25439), (494, 25433), (496, 25421), (508, 25382),

Gene: StepMih_36 Start: 26783, Stop: 25638, Start Num: 124

Candidate Starts for StepMih_36:

(Start: 124 @26783 has 117 MA's), (Start: 144 @26744 has 10 MA's), (159, 26696), (Start: 170 @26660 has 6 MA's), (186, 26615), (236, 26459), (243, 26432), (252, 26396), (285, 26339), (307, 26261), (315, 26237), (325, 26198), (348, 26126), (354, 26114), (359, 26108), (367, 26096), (390, 26021), (392, 26015), (399, 25994), (406, 25979), (412, 25961), (422, 25937), (475, 25823), (486, 25778), (487, 25775), (490, 25766), (493, 25745), (494, 25739), (496, 25727), (508, 25688),

Gene: Stinson_42 Start: 32990, Stop: 34078, Start Num: 131

Candidate Starts for Stinson_42:

(Start: 131 @32990 has 287 MA's), (Start: 170 @33092 has 6 MA's), (181, 33116), (193, 33152), (215, 33203), (229, 33266), (236, 33290), (250, 33344), (251, 33347), (289, 33428), (307, 33497), (308, 33500), (359, 33650), (389, 33728), (396, 33755), (471, 33890),

Gene: Strobilo_43 Start: 34292, Stop: 35392, Start Num: 131

Candidate Starts for Strobilo_43:

(Start: 131 @34292 has 287 MA's), (137, 34310), (Start: 150 @34343 has 14 MA's), (181, 34418), (193, 34454), (229, 34568), (236, 34592), (250, 34646), (302, 34787), (307, 34811), (308, 34814), (320, 34856), (359, 34964), (396, 35069), (418, 35114), (427, 35129), (495, 35321),

Gene: Strokeseat_41 Start: 31786, Stop: 32904, Start Num: 131

Candidate Starts for Strokeseat_41:

(Start: 131 @31786 has 287 MA's), (193, 31957), (240, 32122), (250, 32158), (252, 32167), (292, 32272), (309, 32341), (320, 32380), (327, 32401), (332, 32413), (333, 32416), (336, 32428), (346, 32467), (349, 32473), (363, 32494), (381, 32530), (382, 32533), (390, 32569), (392, 32575), (396, 32587), (397, 32590), (404, 32605), (438, 32674), (447, 32689), (463, 32707), (483, 32776), (486, 32785), (494, 32824), (497, 32842), (503, 32863), (509, 32878), (511, 32887), (512, 32890),

Gene: Sulley_41 Start: 32725, Stop: 33810, Start Num: 131

Candidate Starts for Sulley_41:

(Start: 131 @32725 has 287 MA's), (Start: 170 @32827 has 6 MA's), (174, 32836), (181, 32851), (193, 32887), (236, 33025), (250, 33079), (289, 33163), (307, 33232), (308, 33235), (359, 33385), (396, 33490), (438, 33577), (471, 33625), (504, 33769),

Gene: Sunshine23_31 Start: 28591, Stop: 29733, Start Num: 135

Candidate Starts for Sunshine23_31:

(108, 28540), (Start: 131 @28582 has 287 MA's), (135, 28591), (199, 28759), (261, 28936), (285, 29008), (339, 29203), (450, 29491), (482, 29587), (485, 29599), (486, 29602),

Gene: SuperGrey_42 Start: 32615, Stop: 33742, Start Num: 131

Candidate Starts for SuperGrey_42:

(75, 32513), (103, 32570), (Start: 131 @32615 has 287 MA's), (135, 32624), (193, 32786), (208, 32837), (215, 32855), (224, 32900), (250, 32996), (252, 33005), (285, 33086), (292, 33110), (309, 33179), (320, 33218), (327, 33239), (332, 33251), (333, 33254), (339, 33281), (346, 33305), (349, 33311), (363, 33332), (381, 33368), (382, 33371), (390, 33407), (392, 33413), (396, 33425), (397, 33428), (404, 33443), (438, 33512), (447, 33527), (473, 33569), (483, 33614), (486, 33623), (494, 33662), (497, 33680), (503, 33701), (509, 33716), (511, 33725), (512, 33728),

Gene: Superchunk_33 Start: 24997, Stop: 23882, Start Num: 128

Candidate Starts for Superchunk_33:

(Start: 128 @24997 has 7 MA's), (Start: 150 @24949 has 14 MA's), (159, 24916), (Start: 170 @24880 has 6 MA's), (186, 24835), (238, 24667), (243, 24652), (252, 24616), (281, 24574), (284, 24562), (285, 24559), (310, 24472), (315, 24457), (359, 24328), (367, 24316), (375, 24295), (382, 24277), (390, 24241), (399, 24214), (406, 24199), (412, 24181), (423, 24154), (475, 24043), (487, 23995), (493, 23965), (494, 23959), (496, 23947), (508, 23908),

Gene: Superphikiman_84 Start: 49930, Stop: 51219, Start Num: 84

Candidate Starts for Superphikiman_84:

(71, 49888), (Start: 84 @49930 has 1 MA's), (Start: 93 @49945 has 10 MA's), (95, 49948), (122, 49993), (Start: 139 @50032 has 1 MA's), (250, 50413), (281, 50497), (284, 50509), (285, 50512), (320, 50641), (376, 50761), (396, 50824), (404, 50842), (412, 50866), (438, 50938), (492, 51115), (493, 51118), (494, 51124), (497, 51142), (500, 51157), (504, 51166), (505, 51169), (519, 51214),

Gene: Suscepit_39 Start: 30564, Stop: 31646, Start Num: 130

Candidate Starts for Suscepit_39:

(Start: 74 @30453 has 6 MA's), (Start: 130 @30564 has 52 MA's), (Start: 150 @30618 has 14 MA's), (197, 30738), (284, 30993), (292, 31023), (308, 31083), (329, 31149), (336, 31173), (480, 31503), (485, 31530), (511, 31635),

Gene: SwagPigglett_45 Start: 33012, Stop: 34130, Start Num: 131

Candidate Starts for SwagPigglett_45:

(Start: 131 @33012 has 287 MA's), (182, 33150), (193, 33183), (209, 33231), (240, 33348), (250, 33384), (252, 33393), (292, 33498), (309, 33567), (327, 33627), (332, 33639), (333, 33642), (336, 33654), (339, 33669), (346, 33693), (349, 33699), (363, 33720), (381, 33756), (382, 33759), (390, 33795), (392, 33801), (396, 33813), (397, 33816), (438, 33900), (447, 33915), (473, 33957), (483, 34002), (486, 34011), (494, 34050), (497, 34068), (503, 34089), (509, 34104), (511, 34113), (512, 34116),

Gene: SweetiePie_34 Start: 26396, Stop: 25329, Start Num: 150

Candidate Starts for SweetiePie_34:

(Start: 85 @26513 has 1 MA's), (Start: 124 @26450 has 117 MA's), (Start: 150 @26396 has 14 MA's), (Start: 170 @26327 has 6 MA's), (186, 26282), (227, 26156), (240, 26108), (243, 26099), (252, 26063), (284, 26009), (285, 26006), (320, 25883), (325, 25865), (336, 25835), (354, 25781), (359, 25775), (367, 25763), (390, 25688), (392, 25682), (399, 25661), (406, 25646), (412, 25628), (423, 25601), (475, 25490), (487, 25442), (493, 25412), (494, 25406), (496, 25394), (508, 25355),

Gene: SwirlSquare_35 Start: 25021, Stop: 23906, Start Num: 128

Candidate Starts for SwirlSquare_35:

(Start: 128 @25021 has 7 MA's), (159, 24940), (Start: 170 @24904 has 6 MA's), (186, 24859), (219, 24772), (236, 24703), (238, 24691), (240, 24685), (252, 24640), (275, 24622), (281, 24598), (284, 24586), (285, 24583), (359, 24352), (367, 24340), (390, 24265), (399, 24238), (406, 24223), (412, 24205), (423, 24178), (487, 24019), (493, 23989), (494, 23983), (496, 23971), (508, 23932),

Gene: TChen_44 Start: 33582, Stop: 34700, Start Num: 131

Candidate Starts for TChen_44:

(Start: 131 @33582 has 287 MA's), (135, 33591), (182, 33720), (193, 33753), (209, 33801), (250, 33954), (252, 33963), (285, 34044), (309, 34137), (327, 34197), (332, 34209), (333, 34212), (339, 34239), (346, 34263), (363, 34290), (381, 34326), (382, 34329), (390, 34365), (404, 34401), (438, 34470), (447, 34485), (463, 34503), (483, 34572), (486, 34581), (494, 34620), (497, 34638), (503, 34659), (509, 34674),

Gene: TClif_45 Start: 33489, Stop: 34589, Start Num: 131

Candidate Starts for TClif_45:

(Start: 131 @33489 has 287 MA's), (181, 33615), (193, 33651), (236, 33789), (250, 33843), (289, 33927), (302, 33984), (307, 34008), (308, 34011), (320, 34053), (359, 34161), (382, 34212), (394, 34263), (396, 34266), (418, 34311), (427, 34326), (471, 34401), (482, 34449), (504, 34545),

Gene: TNguyen7_33 Start: 26286, Stop: 25138, Start Num: 112

Candidate Starts for TNguyen7_33:

(Start: 112 @26286 has 2 MA's), (Start: 118 @26277 has 3 MA's), (Start: 170 @26142 has 6 MA's), (186, 26097), (236, 25941), (241, 25920), (243, 25914), (252, 25878), (285, 25821), (307, 25743), (348, 25608), (359, 25590), (367, 25578), (382, 25539), (390, 25503), (392, 25497), (399, 25476), (406, 25461), (412, 25443), (423, 25416), (475, 25305), (487, 25257), (493, 25227), (494, 25221), (496, 25209), (508, 25170),

Gene: TZGordon_39 Start: 27285, Stop: 26170, Start Num: 149

Candidate Starts for TZGordon_39:

(Start: 149 @27285 has 12 MA's), (251, 26946), (262, 26913), (348, 26619), (352, 26607), (428, 26427), (490, 26256), (494, 26229),

Gene: Tachez_41 Start: 32439, Stop: 33527, Start Num: 131

Candidate Starts for Tachez_41:

(Start: 131 @32439 has 287 MA's), (Start: 150 @32490 has 14 MA's), (Start: 170 @32541 has 6 MA's), (181, 32565), (193, 32601), (236, 32739), (250, 32793), (289, 32877), (307, 32946), (308, 32949), (359, 33099), (389, 33177), (396, 33204), (438, 33291), (471, 33339),

Gene: TaiwanKao_43 Start: 32721, Stop: 33809, Start Num: 131

Candidate Starts for TaiwanKao_43:

(Start: 131 @32721 has 287 MA's), (Start: 170 @32823 has 6 MA's), (181, 32847), (193, 32883), (250, 33075), (289, 33159), (307, 33228), (308, 33231), (359, 33381), (389, 33459), (396, 33486), (471, 33621), (504, 33765),

Gene: Taj_45 Start: 32606, Stop: 33709, Start Num: 131

Candidate Starts for Taj_45:

(Start: 131 @32606 has 287 MA's), (Start: 150 @32654 has 14 MA's), (182, 32735), (189, 32762), (250, 32975), (263, 32999), (285, 33047), (307, 33128), (329, 33197), (332, 33206), (339, 33236), (346, 33260), (359, 33281), (389, 33359), (392, 33374), (421, 33434), (438, 33473), (447, 33488), (460, 33512), (473, 33539), (480, 33563), (483, 33584), (486, 33593), (495, 33638), (497, 33650),

Gene: TarsusIV_33 Start: 26409, Stop: 25285, Start Num: 124

Candidate Starts for TarsusIV_33:

(86, 26469), (Start: 99 @26451 has 1 MA's), (Start: 124 @26409 has 117 MA's), (Start: 170 @26286 has 6 MA's), (186, 26241), (236, 26085), (243, 26058), (252, 26022), (285, 25965), (307, 25887), (318, 25854), (320, 25842), (325, 25824), (359, 25734), (361, 25731), (367, 25722), (390, 25647), (399, 25620), (406, 25605), (412, 25587), (475, 25449), (487, 25401), (488, 25398), (493, 25371), (494, 25365), (496, 25353), (508, 25314),

Gene: Taurus_36 Start: 26750, Stop: 25644, Start Num: 144

Candidate Starts for Taurus_36:

(Start: 124 @26789 has 117 MA's), (Start: 144 @26750 has 10 MA's), (159, 26702), (Start: 170 @26666 has 6 MA's), (186, 26621), (236, 26465), (243, 26438), (252, 26402), (285, 26345), (307, 26267), (315, 26243), (325, 26204), (348, 26132), (354, 26120), (359, 26114), (367, 26102), (390, 26027), (392, 26021), (399, 26000), (406, 25985), (412, 25967), (422, 25943), (475, 25829), (486, 25784), (487, 25781), (490, 25772), (493, 25751), (494, 25745), (496, 25733), (508, 25694),

Gene: Tayonia_39 Start: 30563, Stop: 31645, Start Num: 130

Candidate Starts for Tayonia_39:

(Start: 74 @30452 has 6 MA's), (Start: 130 @30563 has 52 MA's), (Start: 150 @30617 has 14 MA's), (197, 30737), (284, 30992), (292, 31022), (308, 31082), (329, 31148), (336, 31172), (480, 31502), (485, 31529), (511, 31634),

Gene: Terrific_37 Start: 26823, Stop: 25690, Start Num: 124

Candidate Starts for Terrific_37:

(Start: 124 @26823 has 117 MA's), (Start: 150 @26769 has 14 MA's), (Start: 170 @26700 has 6 MA's), (186, 26655), (236, 26499), (243, 26472), (252, 26436), (285, 26379), (320, 26256), (325, 26238), (359, 26148), (367, 26136), (390, 26061), (392, 26055), (399, 26034), (406, 26019), (412, 26001), (423, 25974), (427, 25965), (475, 25863), (487, 25815), (493, 25785), (494, 25779), (496, 25767), (508, 25728),

Gene: ThankyouJordi_38 Start: 31428, Stop: 32621, Start Num: 74

Candidate Starts for ThankyouJordi_38:

(Start: 74 @31428 has 6 MA's), (Start: 130 @31539 has 52 MA's), (Start: 150 @31593 has 14 MA's), (197, 31713), (292, 31998), (308, 32058), (329, 32124), (336, 32148), (480, 32478), (485, 32505), (511, 32610),

Gene: ThayneTheZag_40 Start: 27570, Stop: 26437, Start Num: 131

Candidate Starts for ThayneTheZag_40:

(Start: 131 @27570 has 287 MA's), (Start: 150 @27519 has 14 MA's), (215, 27351), (220, 27333), (247, 27219), (259, 27201), (285, 27123), (307, 27036), (310, 27027), (329, 26967), (349, 26898), (360, 26877), (413, 26727), (416, 26724), (444, 26658), (473, 26607), (480, 26583), (482, 26568), (494, 26514), (498, 26493), (508, 26463),

Gene: Thimann_36 Start: 28027, Stop: 29154, Start Num: 131

Candidate Starts for Thimann_36:

(46, 27808), (52, 27844), (Start: 131 @28027 has 287 MA's), (Start: 150 @28081 has 14 MA's), (204, 28237), (230, 28327), (238, 28360), (307, 28555), (308, 28558), (320, 28600), (333, 28636), (449, 28933), (480, 29011), (490, 29053), (494, 29080), (511, 29143),

Gene: Tiff81_35 Start: 24880, Stop: 23702, Start Num: 131

Candidate Starts for Tiff81_35:

(Start: 131 @24880 has 287 MA's), (174, 24763), (192, 24715), (220, 24643), (243, 24547), (259, 24511), (281, 24448), (285, 24433), (307, 24346), (310, 24337), (329, 24277), (342, 24229), (397, 24082), (399, 24076), (416, 24034), (473, 23917), (478, 23896), (480, 23893), (482, 23878), (512, 23758),

Gene: Tiffany_36 Start: 26675, Stop: 25530, Start Num: 124

Candidate Starts for Tiffany_36:

(Start: 124 @26675 has 117 MA's), (Start: 144 @26636 has 10 MA's), (159, 26588), (Start: 170 @26552 has 6 MA's), (186, 26507), (236, 26351), (243, 26324), (252, 26288), (285, 26231), (307, 26153), (315, 26129), (325, 26090), (348, 26018), (354, 26006), (359, 26000), (367, 25988), (390, 25913), (392, 25907), (399, 25886), (406, 25871), (412, 25853), (422, 25829), (475, 25715), (486, 25670), (487, 25667), (490, 25658), (493, 25637), (494, 25631), (496, 25619), (508, 25580),

Gene: TimTam_39 Start: 32012, Stop: 33094, Start Num: 130

Candidate Starts for TimTam_39:

(Start: 74 @31901 has 6 MA's), (Start: 130 @32012 has 52 MA's), (Start: 150 @32066 has 14 MA's), (197, 32186), (282, 32432), (284, 32441), (292, 32471), (308, 32531), (329, 32597), (336, 32621), (480, 32951), (485, 32978), (511, 33083),

Gene: TinaFeyge_33 Start: 26292, Stop: 25126, Start Num: 96

Candidate Starts for TinaFeyge_33:

(Start: 96 @26292 has 3 MA's), (Start: 115 @26265 has 1 MA's), (Start: 124 @26247 has 117 MA's), (Start: 156 @26178 has 8 MA's), (Start: 170 @26124 has 6 MA's), (240, 25905), (243, 25896), (252, 25860), (281, 25818), (284, 25806), (285, 25803), (307, 25725), (348, 25590), (359, 25572), (390, 25485), (399, 25458), (406, 25443), (412, 25425), (475, 25287), (487, 25239), (493, 25209), (494, 25203), (496, 25191), (508, 25152),

Gene: TinaLin_36 Start: 26813, Stop: 25707, Start Num: 149

Candidate Starts for TinaLin_36:

(Start: 149 @26813 has 12 MA's), (179, 26726), (248, 26492), (271, 26429), (274, 26417), (289, 26366), (335, 26204), (348, 26156), (401, 26027), (419, 25979), (465, 25883), (490, 25793), (494, 25766),

Gene: TiniBug_42 Start: 33372, Stop: 34460, Start Num: 131

Candidate Starts for TiniBug_42:

(44, 33150), (Start: 131 @33372 has 287 MA's), (Start: 150 @33423 has 14 MA's), (Start: 170 @33474 has 6 MA's), (181, 33498), (193, 33534), (229, 33648), (250, 33726), (289, 33810), (307, 33879), (308, 33882), (359, 34032), (396, 34137), (471, 34272), (504, 34416),

Gene: TopsytheTRex_33 Start: 25948, Stop: 24836, Start Num: 124

Candidate Starts for TopsytheTRex_33:

(Start: 124 @25948 has 117 MA's), (157, 25870), (Start: 170 @25825 has 6 MA's), (186, 25780), (209, 25720), (243, 25597), (252, 25561), (284, 25507), (285, 25504), (320, 25381), (321, 25378), (325, 25363), (354, 25279), (359, 25273), (390, 25198), (399, 25171), (406, 25156), (412, 25138), (423, 25111), (475, 25000), (487, 24952), (488, 24949), (490, 24943), (493, 24922), (494, 24916), (496, 24904), (508, 24865), (510, 24856),

Gene: Tiri_42 Start: 32775, Stop: 33863, Start Num: 131

Candidate Starts for Tiri_42:

(Start: 131 @32775 has 287 MA's), (Start: 170 @32877 has 6 MA's), (181, 32901), (193, 32937), (236, 33075), (250, 33129), (289, 33213), (307, 33282), (308, 33285), (359, 33435), (396, 33540), (438, 33627), (471, 33675), (504, 33819),

Gene: Tomathan_37 Start: 26420, Stop: 25350, Start Num: 150

Candidate Starts for Tomathan_37:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (243, 26123), (252, 26087), (284, 26033), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (359, 25799), (367, 25787), (382, 25748), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: Topper_41 Start: 32595, Stop: 33683, Start Num: 131

Candidate Starts for Topper_41:

(13, 31992), (21, 32169), (36, 32334), (44, 32373), (Start: 131 @32595 has 287 MA's), (Start: 150 @32646 has 14 MA's), (Start: 170 @32697 has 6 MA's), (181, 32721), (193, 32757), (236, 32895), (289, 33033), (307, 33102), (308, 33105), (359, 33255), (396, 33360), (471, 33495),

Gene: Tortellini_32 Start: 30878, Stop: 29682, Start Num: 131

Candidate Starts for Tortellini_32:

(Start: 131 @30878 has 287 MA's), (214, 30632), (222, 30599), (264, 30461), (266, 30455), (269, 30446), (273, 30434), (281, 30404), (305, 30305), (324, 30233), (332, 30212), (341, 30179), (363, 30128), (366, 30122), (395, 30029), (426, 29954), (436, 29933), (467, 29876), (470, 29867), (476, 29840), (480, 29828), (490, 29789), (499, 29735), (506, 29714),

Gene: Travvers_37 Start: 26420, Stop: 25350, Start Num: 150

Candidate Starts for Travvers_37:

(Start: 124 @26474 has 117 MA's), (Start: 150 @26420 has 14 MA's), (Start: 170 @26351 has 6 MA's), (236, 26150), (237, 26147), (243, 26123), (252, 26087), (285, 26030), (292, 26003), (307, 25952), (318, 25919), (320, 25907), (325, 25889), (348, 25817), (359, 25799), (367, 25787), (390, 25712), (392, 25706), (399, 25685), (406, 25670), (412, 25652), (423, 25625), (475, 25514), (487, 25466), (488, 25463), (493, 25436), (494, 25430), (496, 25418), (508, 25379),

Gene: Trax_8 Start: 3425, Stop: 2322, Start Num: 149

Candidate Starts for Trax_8:

(138, 3452), (Start: 149 @3425 has 12 MA's), (155, 3413), (168, 3359), (176, 3344), (184, 3320), (195, 3293), (234, 3167), (252, 3095), (274, 3032), (278, 3020), (289, 2981), (306, 2897), (318, 2876), (344, 2789), (374, 2720), (380, 2708), (415, 2612), (425, 2588), (451, 2528), (470, 2492), (473, 2477), (482, 2438), (491, 2396),

Gene: TreyKay_42 Start: 32665, Stop: 33753, Start Num: 131

Candidate Starts for TreyKay_42:

(63, 32518), (Start: 131 @32665 has 287 MA's), (Start: 170 @32767 has 6 MA's), (181, 32791), (193, 32827), (236, 32965), (250, 33019), (289, 33103), (307, 33172), (308, 33175), (359, 33325), (396, 33430), (438, 33517), (471, 33565), (504, 33709),

Gene: Tristan_35 Start: 28130, Stop: 26997, Start Num: 118

Candidate Starts for Tristan_35:

(Start: 118 @28130 has 3 MA's), (Start: 170 @27995 has 6 MA's), (186, 27950), (188, 27944), (203, 27905), (236, 27794), (243, 27767), (252, 27731), (281, 27689), (285, 27674), (307, 27596), (359, 27443), (367, 27431), (390, 27356), (392, 27350), (399, 27329), (406, 27314), (412, 27296), (433, 27245), (475, 27158), (487, 27110), (493, 27080), (494, 27074), (496, 27062), (508, 27023),

Gene: Trixie_35 Start: 27323, Stop: 26259, Start Num: 150

Candidate Starts for Trixie_35:

(Start: 124 @27377 has 117 MA's), (Start: 150 @27323 has 14 MA's), (Start: 170 @27254 has 6 MA's), (186, 27209), (236, 27053), (238, 27041), (243, 27026), (252, 26990), (281, 26948), (284, 26936), (285, 26933), (289, 26921), (307, 26855), (318, 26822), (325, 26792), (359, 26702), (361, 26699), (367, 26690), (375, 26669), (390, 26615), (399, 26588), (406, 26573), (412, 26555), (475, 26417), (487, 26369), (488, 26366), (493, 26339), (494, 26333), (496, 26321), (508, 26282),

Gene: Trooper_35 Start: 26605, Stop: 25538, Start Num: 150

Candidate Starts for Trooper_35:

(Start: 85 @26722 has 1 MA's), (Start: 124 @26659 has 117 MA's), (Start: 150 @26605 has 14 MA's), (Start: 170 @26536 has 6 MA's), (186, 26491), (236, 26335), (252, 26272), (289, 26203), (303, 26161), (307, 26137), (325, 26074), (359, 25984), (367, 25972), (390, 25897), (392, 25891), (399, 25870), (406, 25855), (412, 25837), (423, 25810), (475, 25699), (486, 25654), (487, 25651), (488, 25648), (493, 25621), (494, 25615), (496, 25603), (508, 25564),

Gene: TroyPia_33 Start: 26250, Stop: 25129, Start Num: 124

Candidate Starts for TroyPia_33:

(Start: 96 @26295 has 3 MA's), (Start: 115 @26268 has 1 MA's), (Start: 124 @26250 has 117 MA's), (Start: 156 @26181 has 8 MA's), (Start: 170 @26127 has 6 MA's), (240, 25908), (243, 25899), (252, 25863), (281, 25821), (284, 25809), (285, 25806), (307, 25728), (348, 25593), (359, 25575), (390, 25488), (399, 25461), (406, 25446), (412, 25428), (475, 25290), (487, 25242), (493, 25212), (494, 25206), (496, 25194), (508, 25155),

Gene: TruffulaTree_41 Start: 32473, Stop: 33561, Start Num: 131

Candidate Starts for TruffulaTree_41:

(Start: 131 @32473 has 287 MA's), (Start: 150 @32524 has 14 MA's), (Start: 170 @32575 has 6 MA's), (181, 32599), (193, 32635), (236, 32773), (250, 32827), (289, 32911), (307, 32980), (308, 32983), (359, 33133), (389, 33211), (396, 33238), (438, 33325), (471, 33373),

Gene: Trumpet_39 Start: 30564, Stop: 31646, Start Num: 130

Candidate Starts for Trumpet_39:

(Start: 74 @30453 has 6 MA's), (Start: 130 @30564 has 52 MA's), (Start: 150 @30618 has 14 MA's), (197, 30738), (284, 30993), (292, 31023), (308, 31083), (329, 31149), (336, 31173), (480, 31503), (485, 31530), (511, 31635),

Gene: TuertoX_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for TuertoX_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: Turbido_34 Start: 26644, Stop: 25511, Start Num: 116

Candidate Starts for Turbido_34:

(Start: 104 @26662 has 7 MA's), (Start: 116 @26644 has 7 MA's), (Start: 156 @26560 has 8 MA's), (Start: 170 @26512 has 6 MA's), (186, 26467), (243, 26284), (252, 26248), (285, 26191), (289, 26179), (292, 26164), (318, 26080), (320, 26068), (325, 26050), (359, 25960), (367, 25948), (390, 25873), (392, 25867), (399, 25846), (406, 25831), (412, 25813), (423, 25786), (475, 25675), (487, 25627), (488, 25624), (493, 25597), (494, 25591), (496, 25579), (508, 25540),

Gene: Twinkle_39 Start: 33608, Stop: 34735, Start Num: 131

Candidate Starts for Twinkle_39:

(107, 33569), (Start: 131 @33608 has 287 MA's), (Start: 150 @33662 has 14 MA's), (191, 33785), (204, 33818), (230, 33908), (238, 33941), (307, 34136), (308, 34139), (320, 34181), (333, 34217), (449, 34514), (480, 34592), (485, 34619), (490, 34634), (494, 34661), (511, 34724),

Gene: Twitch_41 Start: 32597, Stop: 33685, Start Num: 131

Candidate Starts for Twitch_41:

(13, 31994), (21, 32171), (36, 32336), (44, 32375), (Start: 131 @32597 has 287 MA's), (Start: 150 @32648 has 14 MA's), (Start: 170 @32699 has 6 MA's), (181, 32723), (193, 32759), (236, 32897), (289, 33035), (307, 33104), (308, 33107), (359, 33257), (396, 33362), (471, 33497),

Gene: Updawg_35 Start: 26811, Stop: 25678, Start Num: 124

Candidate Starts for Updawg_35:

(Start: 124 @26811 has 117 MA's), (Start: 150 @26757 has 14 MA's), (Start: 170 @26688 has 6 MA's), (186, 26643), (236, 26487), (243, 26460), (252, 26424), (285, 26367), (320, 26244), (325, 26226), (359, 26136), (367, 26124), (390, 26049), (392, 26043), (399, 26022), (406, 26007), (412, 25989), (423, 25962), (427, 25953), (475, 25851), (487, 25803), (493, 25773), (494, 25767), (496, 25755), (508, 25716),

Gene: Urkel_42 Start: 33376, Stop: 34464, Start Num: 131

Candidate Starts for Urkel_42:

(44, 33154), (Start: 131 @33376 has 287 MA's), (Start: 150 @33427 has 14 MA's), (Start: 170 @33478 has 6 MA's), (181, 33502), (193, 33538), (229, 33652), (250, 33730), (289, 33814), (307, 33883), (308, 33886), (359, 34036), (396, 34141), (471, 34276), (504, 34420),

Gene: VA6_33 Start: 26411, Stop: 25287, Start Num: 124

Candidate Starts for VA6_33:

(90, 26465), (Start: 124 @26411 has 117 MA's), (Start: 150 @26357 has 14 MA's), (Start: 170 @26288 has 6 MA's), (236, 26087), (243, 26060), (252, 26024), (284, 25970), (285, 25967), (292, 25940), (307, 25889), (318, 25856), (320, 25844), (325, 25826), (348, 25754), (359, 25736), (367, 25724), (382, 25685), (390, 25649), (392, 25643), (399, 25622), (406, 25607), (412, 25589), (423, 25562), (475, 25451), (487, 25403), (488, 25400), (493, 25373), (494, 25367), (496, 25355), (508, 25316),

Gene: VC3_36 Start: 26399, Stop: 25275, Start Num: 124

Candidate Starts for VC3_36:

(90, 26453), (Start: 124 @26399 has 117 MA's), (Start: 150 @26345 has 14 MA's), (Start: 170 @26276 has 6 MA's), (236, 26075), (243, 26048), (252, 26012), (284, 25958), (285, 25955), (292, 25928), (307,

25877), (318, 25844), (320, 25832), (325, 25814), (348, 25742), (359, 25724), (367, 25712), (382, 25673), (390, 25637), (392, 25631), (399, 25610), (406, 25595), (412, 25577), (423, 25550), (475, 25439), (487, 25391), (488, 25388), (493, 25361), (494, 25355), (496, 25343), (508, 25304),

Gene: VRedHorse_42 Start: 32159, Stop: 33286, Start Num: 131

Candidate Starts for VRedHorse_42:

(75, 32057), (103, 32114), (Start: 131 @32159 has 287 MA's), (135, 32168), (193, 32330), (208, 32381), (215, 32399), (224, 32444), (240, 32504), (250, 32540), (252, 32549), (292, 32654), (309, 32723), (327, 32783), (332, 32795), (333, 32798), (336, 32810), (339, 32825), (346, 32849), (349, 32855), (363, 32876), (381, 32912), (382, 32915), (390, 32951), (392, 32957), (397, 32972), (404, 32987), (438, 33056), (447, 33071), (473, 33113), (483, 33158), (486, 33167), (494, 33206), (497, 33224), (503, 33245), (509, 33260), (511, 33269), (512, 33272),

Gene: Validus_45 Start: 33099, Stop: 34196, Start Num: 131

Candidate Starts for Validus_45:

(Start: 131 @33099 has 287 MA's), (181, 33225), (193, 33261), (229, 33375), (250, 33453), (289, 33537), (307, 33618), (308, 33621), (320, 33663), (346, 33750), (359, 33771), (396, 33876), (427, 33936), (464, 33999), (504, 34155),

Gene: Veliki_41 Start: 32513, Stop: 33601, Start Num: 131

Candidate Starts for Veliki_41:

(Start: 131 @32513 has 287 MA's), (Start: 150 @32564 has 14 MA's), (Start: 170 @32615 has 6 MA's), (181, 32639), (193, 32675), (236, 32813), (250, 32867), (289, 32951), (307, 33020), (308, 33023), (359, 33173), (389, 33251), (396, 33278), (438, 33365), (471, 33413),

Gene: Velveteen_37 Start: 27903, Stop: 29021, Start Num: 131

Candidate Starts for Velveteen_37:

(Start: 131 @27903 has 287 MA's), (193, 28074), (240, 28239), (250, 28275), (252, 28284), (285, 28365), (292, 28389), (309, 28458), (320, 28497), (325, 28515), (327, 28518), (332, 28530), (333, 28533), (336, 28545), (339, 28560), (346, 28584), (349, 28590), (363, 28611), (381, 28647), (382, 28650), (390, 28686), (392, 28692), (396, 28704), (397, 28707), (404, 28722), (438, 28791), (447, 28806), (473, 28848), (483, 28893), (486, 28902), (494, 28941), (497, 28959), (503, 28980), (509, 28995), (511, 29004), (512, 29007),

Gene: Vendetta_37 Start: 27965, Stop: 26850, Start Num: 149

Candidate Starts for Vendetta_37:

(121, 28034), (Start: 149 @27965 has 12 MA's), (251, 27626), (262, 27593), (348, 27299), (352, 27287), (371, 27254), (428, 27107), (490, 26936), (494, 26909),

Gene: Violac_43 Start: 32601, Stop: 33719, Start Num: 131

Candidate Starts for Violac_43:

(Start: 131 @32601 has 287 MA's), (135, 32610), (193, 32772), (240, 32937), (250, 32973), (252, 32982), (292, 33087), (309, 33156), (318, 33183), (320, 33195), (327, 33216), (332, 33228), (333, 33231), (336, 33243), (339, 33258), (346, 33282), (349, 33288), (363, 33309), (381, 33345), (382, 33348), (390, 33384), (392, 33390), (397, 33405), (404, 33420), (438, 33489), (447, 33504), (483, 33591), (486, 33600), (494, 33639), (497, 33657), (503, 33678), (509, 33693), (511, 33702), (512, 33705),

Gene: Vix_36 Start: 26872, Stop: 25727, Start Num: 124

Candidate Starts for Vix_36:

(Start: 124 @26872 has 117 MA's), (Start: 144 @26833 has 10 MA's), (159, 26785), (Start: 170 @26749 has 6 MA's), (186, 26704), (236, 26548), (243, 26521), (252, 26485), (285, 26428), (307, 26350), (315, 26326), (325, 26287), (348, 26215), (354, 26203), (359, 26197), (367, 26185), (390,

26110), (392, 26104), (399, 26083), (406, 26068), (412, 26050), (422, 26026), (475, 25912), (486, 25867), (487, 25864), (490, 25855), (493, 25834), (494, 25828), (496, 25816), (508, 25777),

Gene: Vopal_43 Start: 30649, Stop: 29477, Start Num: 131

Candidate Starts for Vopal_43:

(Start: 131 @30649 has 287 MA's), (Start: 150 @30598 has 14 MA's), (215, 30430), (220, 30412), (232, 30361), (259, 30280), (285, 30202), (289, 30190), (307, 30115), (310, 30106), (329, 30046), (360, 29956), (397, 29851), (405, 29830), (413, 29806), (416, 29803), (445, 29734), (473, 29680), (480, 29656), (482, 29641), (512, 29521), (519, 29494),

Gene: Wachhund_44 Start: 32077, Stop: 33195, Start Num: 131

Candidate Starts for Wachhund_44:

(Start: 131 @32077 has 287 MA's), (135, 32086), (193, 32248), (240, 32413), (250, 32449), (252, 32458), (292, 32563), (309, 32632), (320, 32671), (327, 32692), (332, 32704), (333, 32707), (336, 32719), (346, 32758), (349, 32764), (363, 32785), (381, 32821), (382, 32824), (390, 32860), (392, 32866), (396, 32878), (397, 32881), (438, 32965), (447, 32980), (473, 33022), (483, 33067), (486, 33076), (494, 33115), (497, 33133), (503, 33154), (509, 33169), (511, 33178), (512, 33181),

Gene: Watson_36 Start: 26782, Stop: 25637, Start Num: 124

Candidate Starts for Watson_36:

(Start: 124 @26782 has 117 MA's), (Start: 144 @26743 has 10 MA's), (Start: 170 @26659 has 6 MA's), (186, 26614), (236, 26458), (243, 26431), (252, 26395), (285, 26338), (307, 26260), (315, 26236), (325, 26197), (348, 26125), (354, 26113), (359, 26107), (367, 26095), (390, 26020), (392, 26014), (399, 25993), (406, 25978), (412, 25960), (422, 25936), (475, 25822), (486, 25777), (487, 25774), (490, 25765), (493, 25744), (494, 25738), (496, 25726), (508, 25687),

Gene: Wee_46 Start: 33180, Stop: 34283, Start Num: 131

Candidate Starts for Wee_46:

(Start: 131 @33180 has 287 MA's), (Start: 150 @33228 has 14 MA's), (182, 33309), (189, 33336), (250, 33549), (263, 33573), (285, 33621), (307, 33702), (329, 33771), (332, 33780), (339, 33810), (346, 33834), (359, 33855), (389, 33933), (392, 33948), (421, 34008), (438, 34047), (447, 34062), (460, 34086), (473, 34113), (480, 34137), (483, 34158), (486, 34167), (495, 34212), (497, 34224),

Gene: WeiHuaDA_38 Start: 28048, Stop: 26930, Start Num: 124

Candidate Starts for WeiHuaDA_38:

(Start: 124 @28048 has 117 MA's), (Start: 170 @27925 has 6 MA's), (186, 27880), (236, 27724), (243, 27697), (252, 27661), (285, 27604), (307, 27526), (318, 27493), (325, 27463), (359, 27373), (367, 27361), (379, 27328), (390, 27286), (399, 27259), (406, 27244), (412, 27226), (475, 27088), (487, 27040), (488, 27037), (493, 27010), (494, 27004), (496, 26992), (508, 26953),

Gene: WelcomeAyanna_38 Start: 31686, Stop: 32768, Start Num: 130

Candidate Starts for WelcomeAyanna_38:

(Start: 74 @31575 has 6 MA's), (Start: 130 @31686 has 52 MA's), (Start: 150 @31740 has 14 MA's), (197, 31860), (292, 32145), (308, 32205), (329, 32271), (336, 32295), (480, 32625), (485, 32652), (511, 32757),

Gene: Whabigail7_34 Start: 26650, Stop: 25499, Start Num: 104

Candidate Starts for Whabigail7_34:

(Start: 104 @26650 has 7 MA's), (Start: 116 @26632 has 7 MA's), (Start: 156 @26548 has 8 MA's), (Start: 170 @26500 has 6 MA's), (186, 26455), (243, 26272), (252, 26236), (285, 26179), (289, 26167), (292, 26152), (318, 26068), (320, 26056), (325, 26038), (359, 25948), (367, 25936), (390, 25861), (392, 25855), (399, 25834), (406, 25819), (412, 25801), (423, 25774), (475, 25663), (487, 25615), (488, 25612), (493, 25585), (494, 25579), (496, 25567), (508, 25528),

Gene: Whatsapiecost_41 Start: 31324, Stop: 32442, Start Num: 131

Candidate Starts for Whatsapiecost_41:

(Start: 131 @31324 has 287 MA's), (182, 31462), (193, 31495), (209, 31543), (240, 31660), (250, 31696), (252, 31705), (292, 31810), (309, 31879), (327, 31939), (332, 31951), (333, 31954), (336, 31966), (339, 31981), (346, 32005), (349, 32011), (363, 32032), (381, 32068), (382, 32071), (390, 32107), (392, 32113), (396, 32125), (397, 32128), (438, 32212), (447, 32227), (473, 32269), (483, 32314), (486, 32323), (494, 32362), (497, 32380), (503, 32401), (509, 32416), (511, 32425), (512, 32428),

Gene: Whiteclaw_37 Start: 27875, Stop: 28957, Start Num: 130

Candidate Starts for Whiteclaw_37:

(Start: 72 @27758 has 2 MA's), (Start: 74 @27764 has 6 MA's), (Start: 130 @27875 has 52 MA's), (Start: 150 @27929 has 14 MA's), (197, 28049), (284, 28304), (292, 28334), (308, 28394), (329, 28460), (336, 28484), (381, 28589), (480, 28814), (485, 28841), (511, 28946),

Gene: WideWale_35 Start: 26811, Stop: 25678, Start Num: 124

Candidate Starts for WideWale_35:

(Start: 124 @26811 has 117 MA's), (Start: 150 @26757 has 14 MA's), (Start: 170 @26688 has 6 MA's), (186, 26643), (236, 26487), (243, 26460), (252, 26424), (285, 26367), (320, 26244), (325, 26226), (359, 26136), (367, 26124), (390, 26049), (392, 26043), (399, 26022), (406, 26007), (412, 25989), (423, 25962), (427, 25953), (475, 25851), (487, 25803), (493, 25773), (494, 25767), (496, 25755), (508, 25716),

Gene: WillSterrel_41 Start: 32521, Stop: 33639, Start Num: 131

Candidate Starts for WillSterrel_41:

(Start: 131 @32521 has 287 MA's), (135, 32530), (193, 32692), (252, 32902), (285, 32983), (292, 33007), (309, 33076), (327, 33136), (332, 33148), (333, 33151), (336, 33163), (339, 33178), (346, 33202), (349, 33208), (363, 33229), (381, 33265), (382, 33268), (390, 33304), (392, 33310), (397, 33325), (438, 33409), (447, 33424), (473, 33466), (483, 33511), (486, 33520), (494, 33559), (497, 33577), (503, 33598), (509, 33613), (511, 33622), (512, 33625),

Gene: Windest_40 Start: 26669, Stop: 25497, Start Num: 131

Candidate Starts for Windest_40:

(Start: 131 @26669 has 287 MA's), (Start: 150 @26618 has 14 MA's), (215, 26450), (220, 26432), (259, 26300), (285, 26222), (289, 26210), (290, 26204), (307, 26135), (310, 26126), (329, 26066), (360, 25976), (405, 25850), (413, 25826), (416, 25823), (473, 25700), (480, 25676), (482, 25661), (512, 25541), (519, 25514),

Gene: WinkNick_41 Start: 29791, Stop: 30918, Start Num: 131

Candidate Starts for WinkNick_41:

(107, 29752), (Start: 131 @29791 has 287 MA's), (Start: 150 @29845 has 14 MA's), (191, 29968), (204, 30001), (230, 30091), (238, 30124), (307, 30319), (308, 30322), (320, 30364), (333, 30400), (449, 30697), (480, 30775), (485, 30802), (490, 30817), (494, 30844), (511, 30907),

Gene: Wooldri_38 Start: 26701, Stop: 25556, Start Num: 124

Candidate Starts for Wooldri_38:

(Start: 124 @26701 has 117 MA's), (Start: 144 @26662 has 10 MA's), (Start: 170 @26578 has 6 MA's), (186, 26533), (236, 26377), (243, 26350), (252, 26314), (285, 26257), (307, 26179), (315, 26155), (325, 26116), (348, 26044), (354, 26032), (359, 26026), (367, 26014), (390, 25939), (392, 25933), (399, 25912), (406, 25897), (412, 25879), (422, 25855), (475, 25741), (486, 25696), (487, 25693), (490, 25684), (493, 25663), (494, 25657), (496, 25645), (508, 25606),

Gene: Wrigley_43 Start: 31922, Stop: 33004, Start Num: 130

Candidate Starts for Wrigley_43:

(Start: 74 @31811 has 6 MA's), (78, 31826), (Start: 130 @31922 has 52 MA's), (Start: 150 @31976 has 14 MA's), (197, 32096), (292, 32381), (308, 32441), (329, 32507), (336, 32531), (381, 32636), (399, 32702), (493, 32924), (495, 32936), (511, 32993),

Gene: XFactor_41 Start: 32278, Stop: 33396, Start Num: 131

Candidate Starts for XFactor_41:

(Start: 131 @32278 has 287 MA's), (193, 32449), (240, 32614), (250, 32650), (252, 32659), (292, 32764), (309, 32833), (320, 32872), (325, 32890), (327, 32893), (332, 32905), (333, 32908), (336, 32920), (339, 32935), (346, 32959), (349, 32965), (363, 32986), (381, 33022), (382, 33025), (390, 33061), (392, 33067), (397, 33082), (404, 33097), (438, 33166), (447, 33181), (473, 33223), (483, 33268), (486, 33277), (494, 33316), (497, 33334), (503, 33355), (509, 33370), (511, 33379), (512, 33382),

Gene: Xavia_34 Start: 31565, Stop: 30369, Start Num: 131

Candidate Starts for Xavia_34:

(Start: 131 @31565 has 287 MA's), (214, 31319), (222, 31286), (264, 31148), (266, 31142), (269, 31133), (273, 31121), (281, 31091), (305, 30992), (324, 30920), (341, 30866), (363, 30815), (366, 30809), (395, 30716), (405, 30692), (426, 30641), (436, 30620), (467, 30563), (470, 30554), (476, 30527), (480, 30515), (490, 30476), (499, 30422), (506, 30401),

Gene: XianYue_35 Start: 26639, Stop: 25515, Start Num: 125

Candidate Starts for XianYue_35:

(102, 26681), (Start: 125 @26639 has 2 MA's), (Start: 144 @26600 has 10 MA's), (159, 26552), (Start: 170 @26516 has 6 MA's), (186, 26471), (238, 26303), (252, 26252), (307, 26117), (315, 26093), (359, 25964), (367, 25952), (390, 25877), (392, 25871), (399, 25850), (406, 25835), (412, 25817), (475, 25679), (487, 25631), (493, 25601), (494, 25595), (496, 25583), (500, 25562), (508, 25544),

Gene: Yecey3_35 Start: 26339, Stop: 25209, Start Num: 116

Candidate Starts for Yecey3_35:

(64, 26456), (67, 26450), (75, 26414), (92, 26375), (Start: 93 @26372 has 10 MA's), (Start: 116 @26339 has 7 MA's), (Start: 156 @26258 has 8 MA's), (Start: 170 @26204 has 6 MA's), (186, 26159), (209, 26099), (243, 25976), (284, 25886), (285, 25883), (307, 25805), (315, 25781), (320, 25760), (325, 25742), (357, 25655), (359, 25652), (367, 25640), (390, 25565), (392, 25559), (399, 25538), (406, 25523), (412, 25505), (475, 25367), (487, 25319), (493, 25289), (494, 25283), (496, 25271), (508, 25232),

Gene: Yeet412_34 Start: 27696, Stop: 28778, Start Num: 130

Candidate Starts for Yeet412_34:

(Start: 74 @27585 has 6 MA's), (Start: 130 @27696 has 52 MA's), (Start: 150 @27750 has 14 MA's), (197, 27870), (284, 28125), (292, 28155), (308, 28215), (329, 28281), (336, 28305), (480, 28635), (485, 28662), (511, 28767),

Gene: YoungHarleezy_40 Start: 27782, Stop: 26643, Start Num: 131

Candidate Starts for YoungHarleezy_40:

(107, 27815), (Start: 131 @27782 has 287 MA's), (Start: 150 @27731 has 14 MA's), (215, 27563), (220, 27545), (259, 27413), (285, 27335), (289, 27323), (290, 27317), (307, 27248), (310, 27239), (329, 27179), (360, 27089), (397, 26984), (405, 26963), (416, 26936), (473, 26813), (480, 26789), (482, 26774), (498, 26699), (508, 26669),

Gene: YoureAdopted_40 Start: 32682, Stop: 33770, Start Num: 131

Candidate Starts for YoureAdopted_40:

(Start: 131 @32682 has 287 MA's), (Start: 170 @32784 has 6 MA's), (181, 32808), (193, 32844), (236, 32982), (250, 33036), (289, 33120), (307, 33189), (308, 33192), (359, 33342), (396, 33447), (438, 33534), (471, 33582), (483, 33636), (504, 33726),

Gene: Yunkel11_44 Start: 32525, Stop: 33625, Start Num: 131

Candidate Starts for Yunkel11_44:

(61, 32375), (Start: 131 @32525 has 287 MA's), (Start: 150 @32576 has 14 MA's), (181, 32651), (193, 32687), (194, 32690), (229, 32801), (302, 33020), (307, 33044), (308, 33047), (346, 33176), (359, 33197), (396, 33302), (438, 33389), (471, 33437),

Gene: Zameen_39 Start: 30563, Stop: 31645, Start Num: 130

Candidate Starts for Zameen_39:

(Start: 74 @30452 has 6 MA's), (Start: 130 @30563 has 52 MA's), (Start: 150 @30617 has 14 MA's), (197, 30737), (284, 30992), (292, 31022), (308, 31082), (329, 31148), (336, 31172), (480, 31502), (485, 31529), (511, 31634),

Gene: Zavala_42 Start: 32759, Stop: 33847, Start Num: 131

Candidate Starts for Zavala_42:

(Start: 131 @32759 has 287 MA's), (Start: 170 @32861 has 6 MA's), (181, 32885), (193, 32921), (236, 33059), (250, 33113), (289, 33197), (307, 33266), (308, 33269), (322, 33317), (359, 33419), (396, 33524), (438, 33611), (471, 33659), (504, 33803),

Gene: Zetzy_35 Start: 26308, Stop: 25202, Start Num: 144

Candidate Starts for Zetzy_35:

(Start: 99 @26389 has 1 MA's), (Start: 124 @26347 has 117 MA's), (Start: 144 @26308 has 10 MA's), (159, 26260), (Start: 170 @26224 has 6 MA's), (186, 26179), (243, 25996), (252, 25960), (285, 25903), (307, 25825), (320, 25780), (359, 25672), (367, 25660), (390, 25585), (392, 25579), (399, 25558), (406, 25543), (422, 25501), (475, 25387), (486, 25342), (487, 25339), (493, 25309), (494, 25303), (496, 25291), (508, 25252),

Gene: Zimmer_35 Start: 28186, Stop: 27065, Start Num: 127

Candidate Starts for Zimmer_35:

(95, 28237), (98, 28234), (110, 28216), (Start: 127 @28186 has 10 MA's), (Start: 170 @28066 has 6 MA's), (186, 28021), (199, 27985), (237, 27862), (243, 27838), (246, 27823), (285, 27745), (307, 27667), (315, 27643), (320, 27622), (325, 27604), (339, 27559), (348, 27532), (359, 27514), (367, 27502), (390, 27427), (392, 27421), (399, 27400), (406, 27385), (412, 27367), (423, 27340), (475, 27229), (487, 27181), (493, 27151), (494, 27145), (496, 27133), (508, 27094),

Gene: Zirinka_36 Start: 31303, Stop: 32385, Start Num: 130

Candidate Starts for Zirinka_36:

(Start: 74 @31192 has 6 MA's), (Start: 130 @31303 has 52 MA's), (Start: 150 @31357 has 14 MA's), (197, 31477), (284, 31732), (292, 31762), (308, 31822), (329, 31888), (336, 31912), (480, 32242), (485, 32269), (511, 32374),

Gene: Zizzle_44 Start: 32003, Stop: 33121, Start Num: 131

Candidate Starts for Zizzle_44:

(Start: 131 @32003 has 287 MA's), (182, 32141), (193, 32174), (209, 32222), (240, 32339), (250, 32375), (252, 32384), (292, 32489), (309, 32558), (327, 32618), (332, 32630), (333, 32633), (336, 32645), (339, 32660), (346, 32684), (349, 32690), (363, 32711), (381, 32747), (382, 32750), (390, 32786), (392, 32792), (396, 32804), (397, 32807), (438, 32891), (447, 32906), (473, 32948), (483, 32993), (486, 33002), (494, 33041), (497, 33059), (503, 33080), (509, 33095), (511, 33104), (512, 33107),

Gene: ZoeJ_43 Start: 33972, Stop: 35072, Start Num: 131

Candidate Starts for ZoeJ_43:

(Start: 131 @33972 has 287 MA's), (137, 33990), (Start: 150 @34023 has 14 MA's), (181, 34098), (193, 34134), (229, 34248), (236, 34272), (250, 34326), (302, 34467), (307, 34491), (308, 34494), (320, 34536), (359, 34644), (396, 34749), (418, 34794), (427, 34809), (495, 35001),

Gene: Zucker_31 Start: 26379, Stop: 25240, Start Num: 131

Candidate Starts for Zucker_31:

(126, 26388), (Start: 131 @26379 has 287 MA's), (209, 26178), (240, 26058), (250, 26022), (253, 26010), (255, 26004), (289, 25911), (292, 25896), (307, 25836), (317, 25806), (336, 25743), (393, 25575), (405, 25545), (446, 25449), (483, 25350), (486, 25341), (490, 25329), (501, 25266),