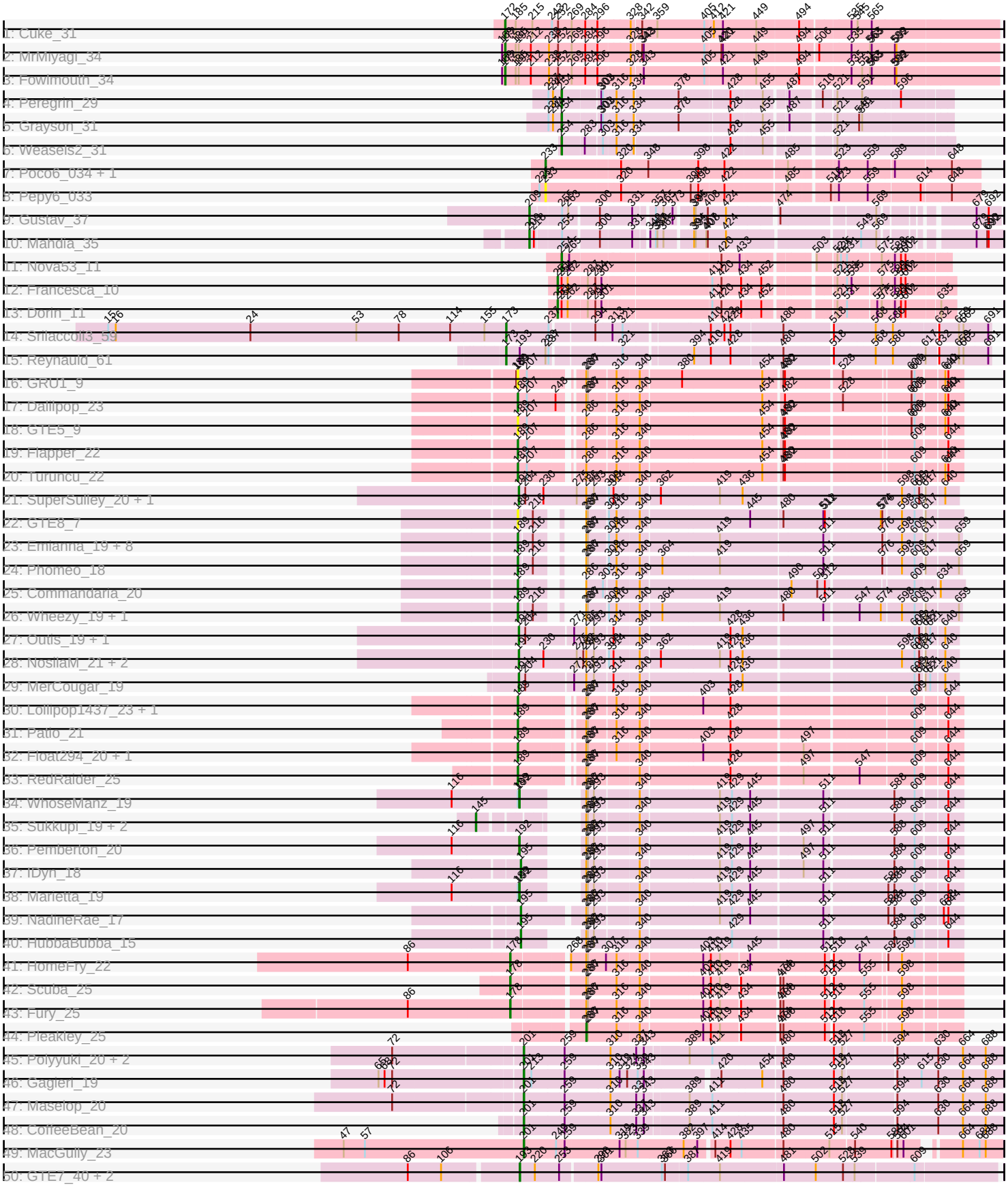
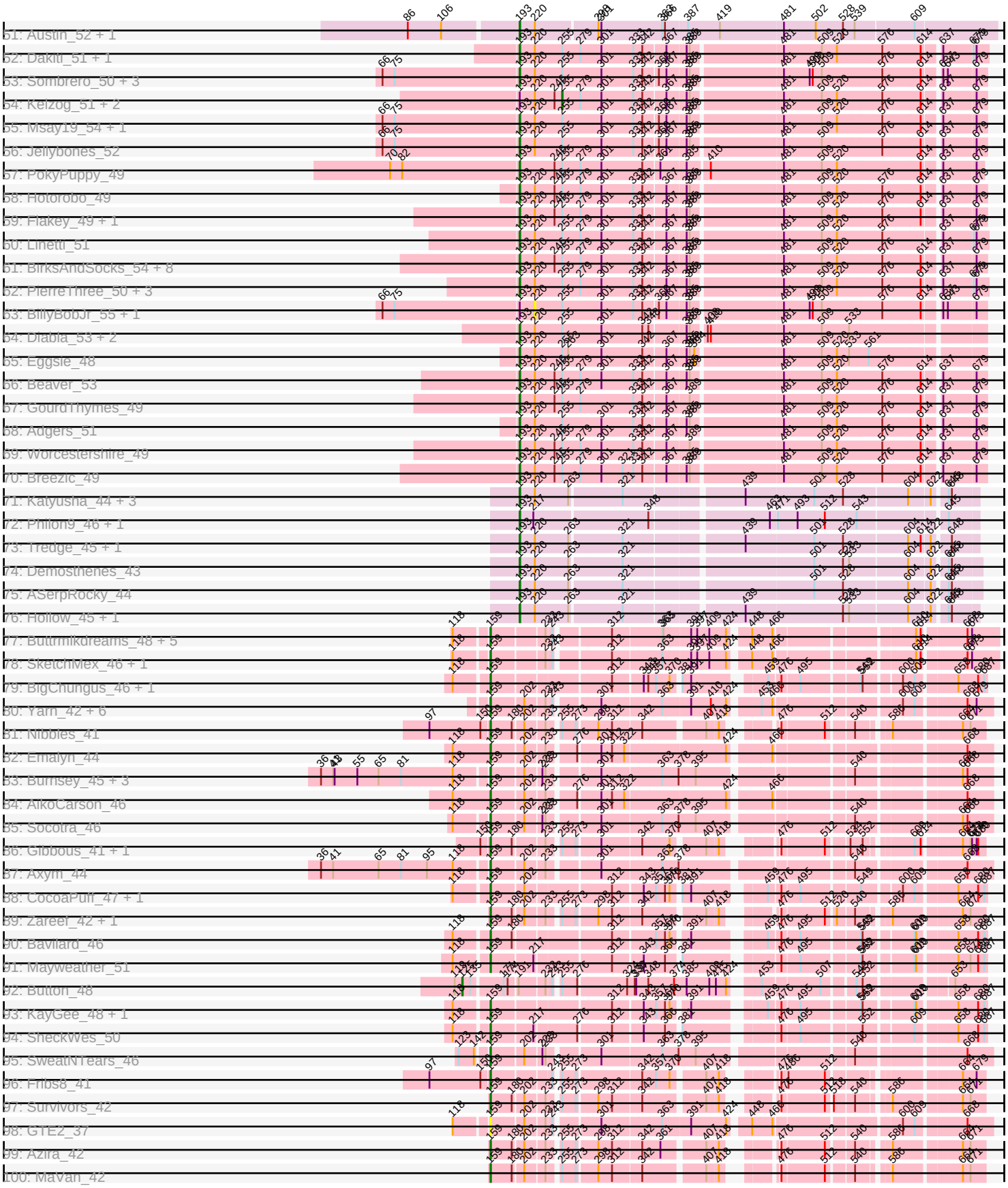
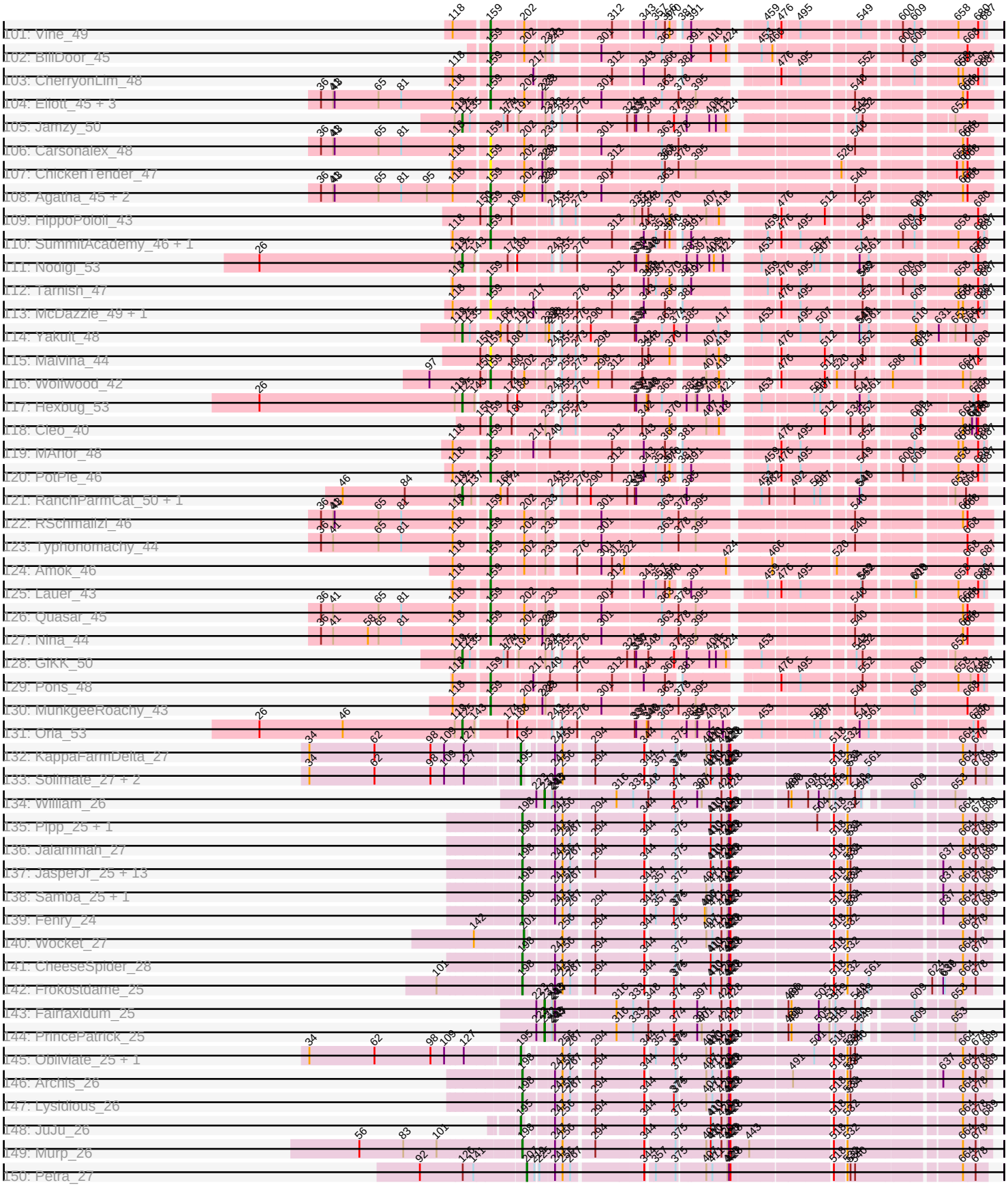
Zoomed Pham 347035



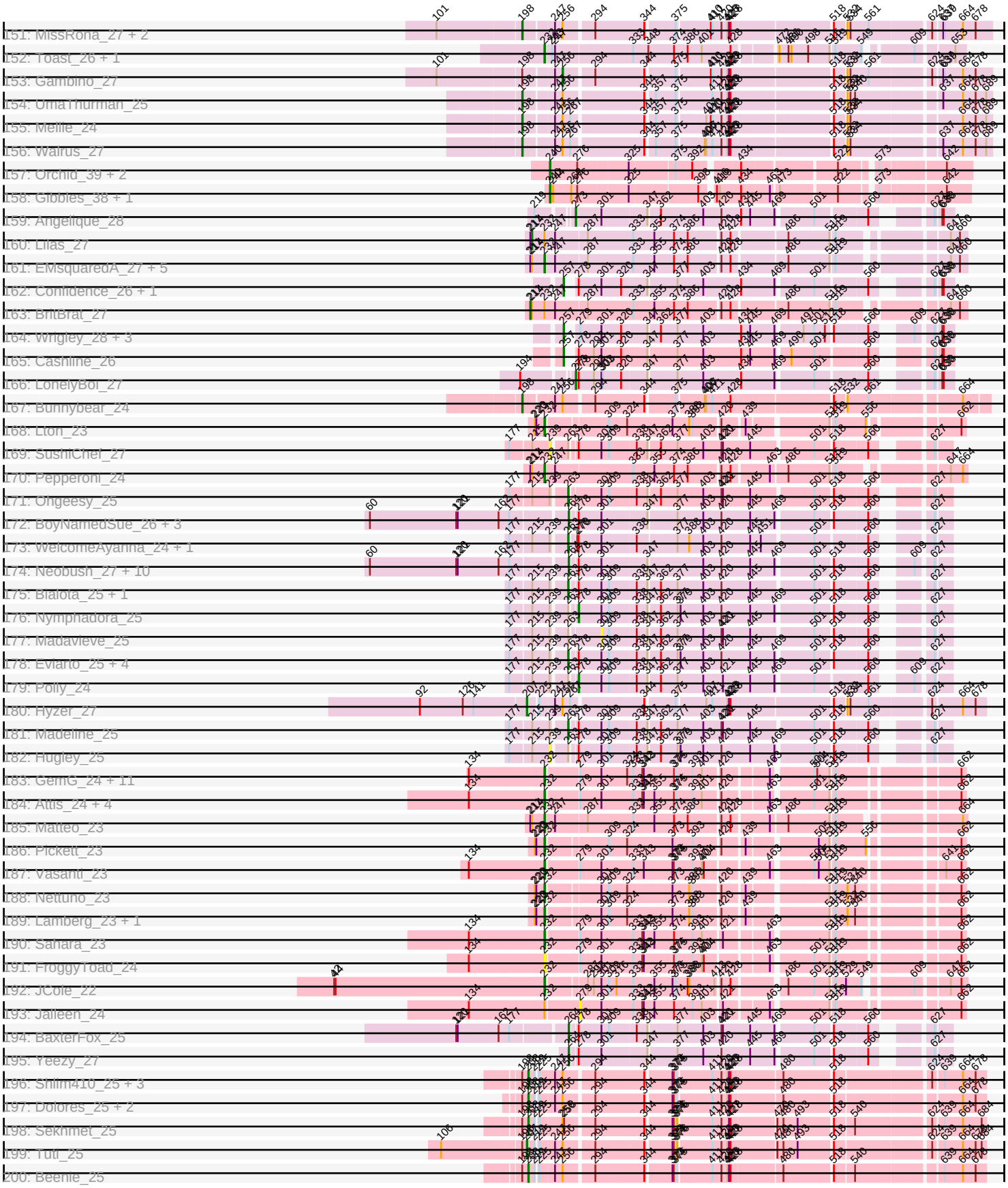
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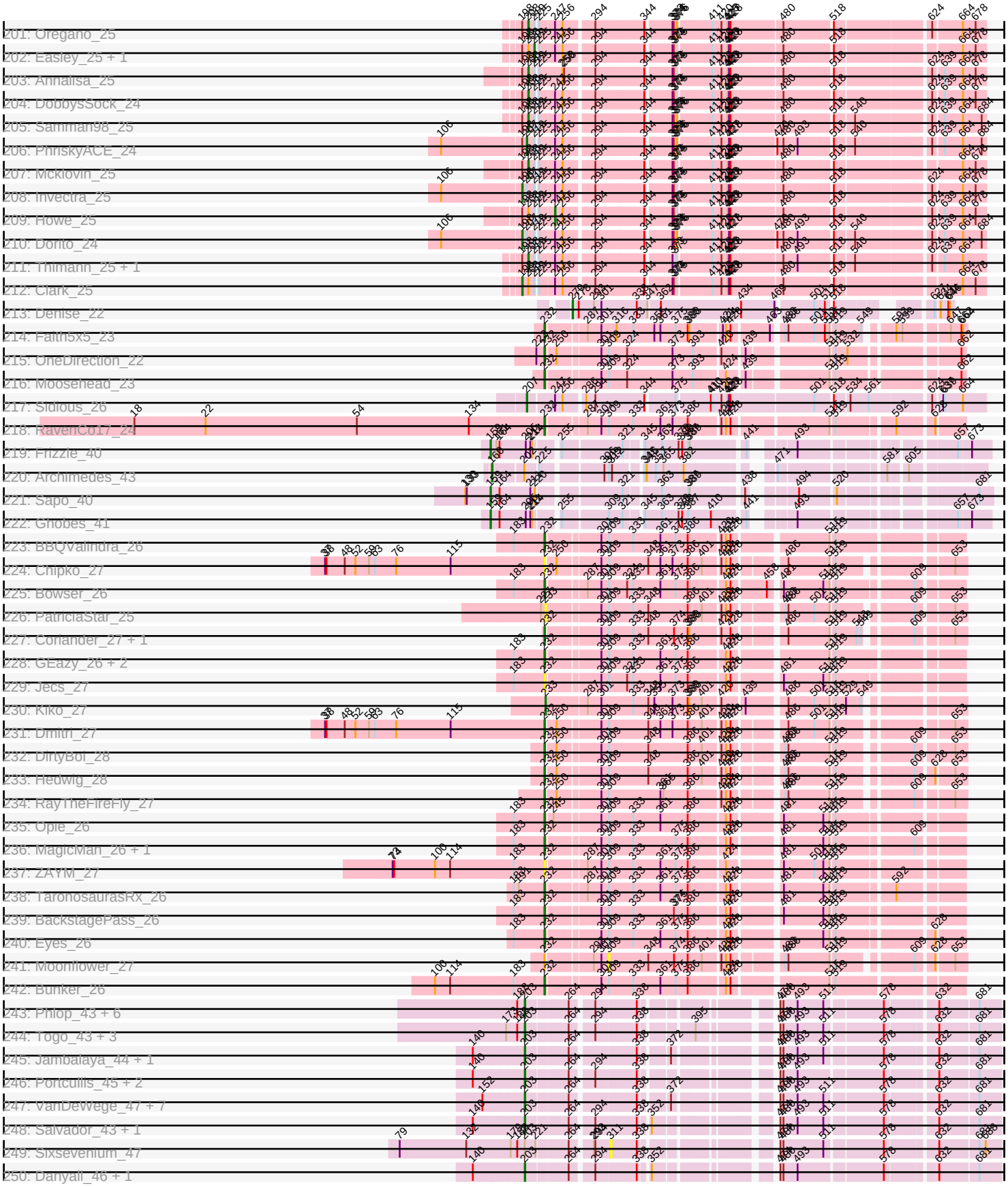
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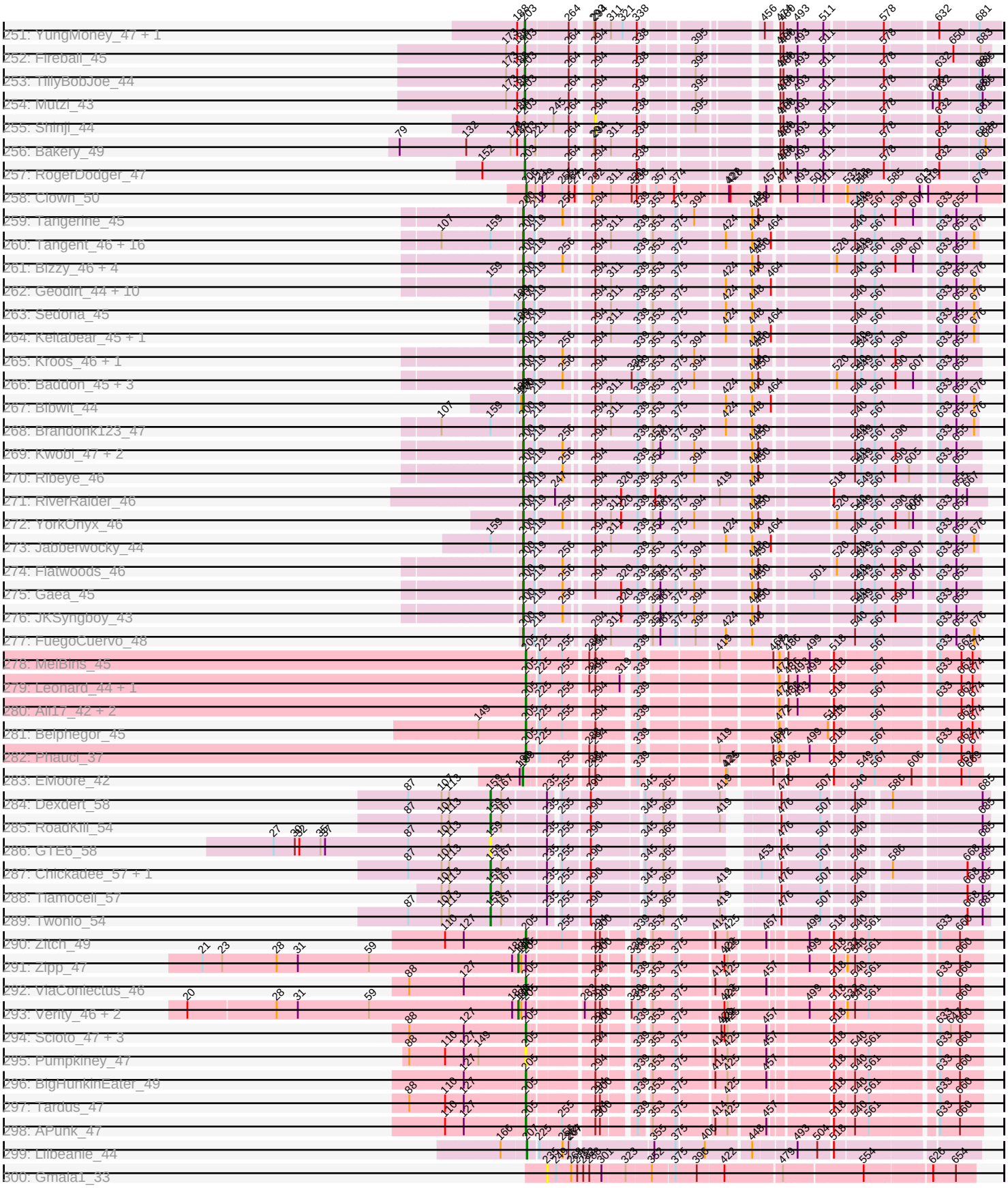
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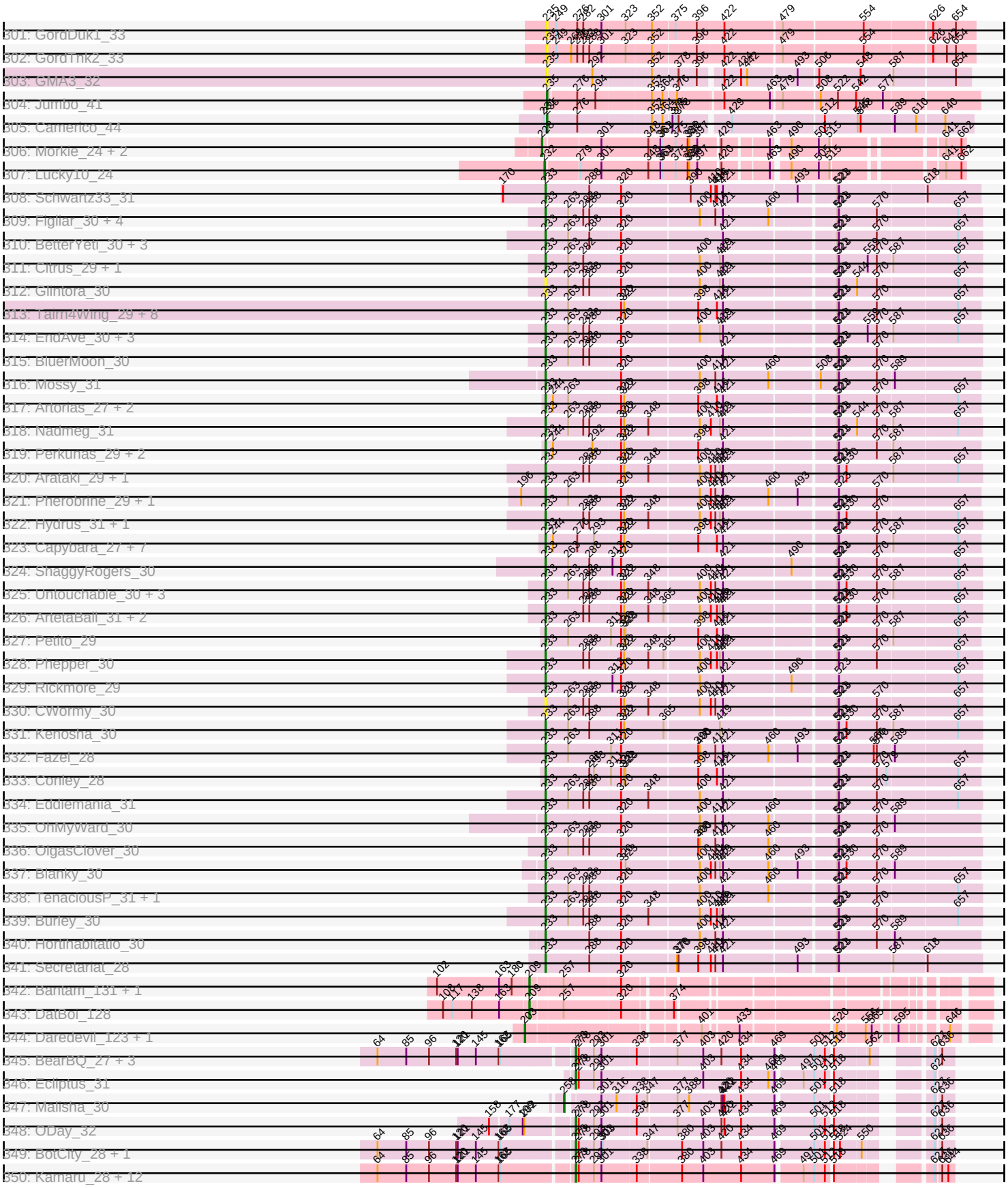
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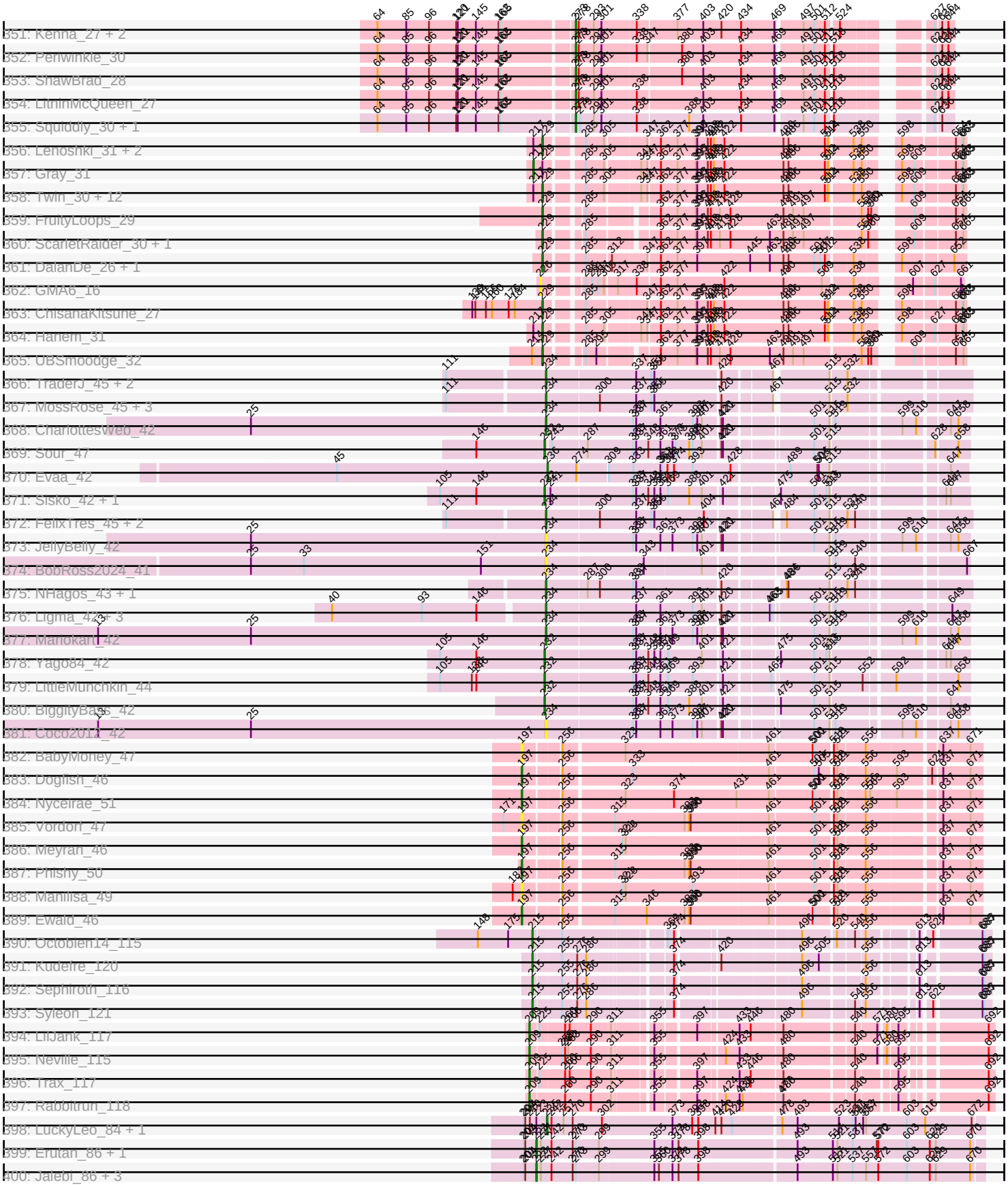
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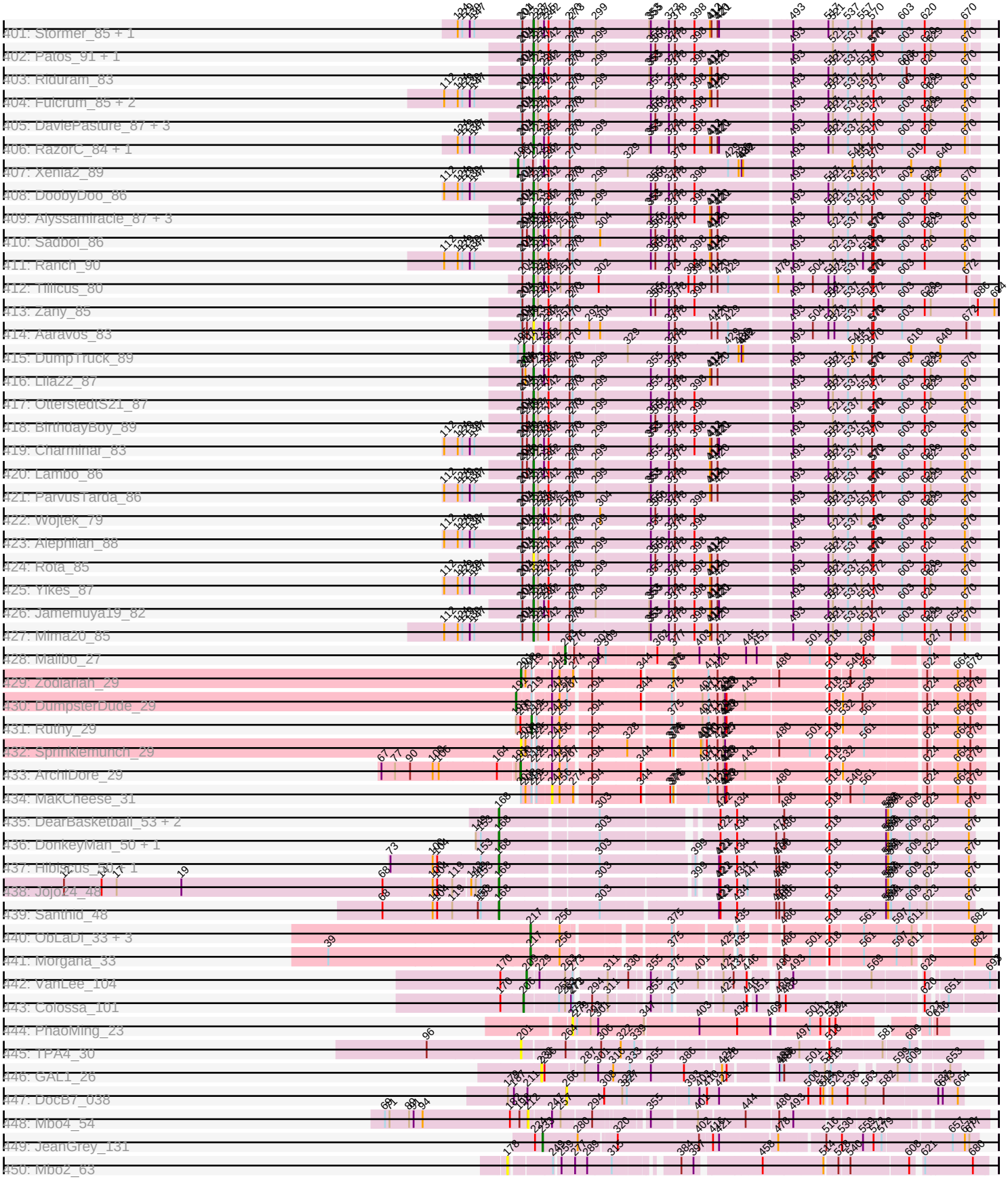
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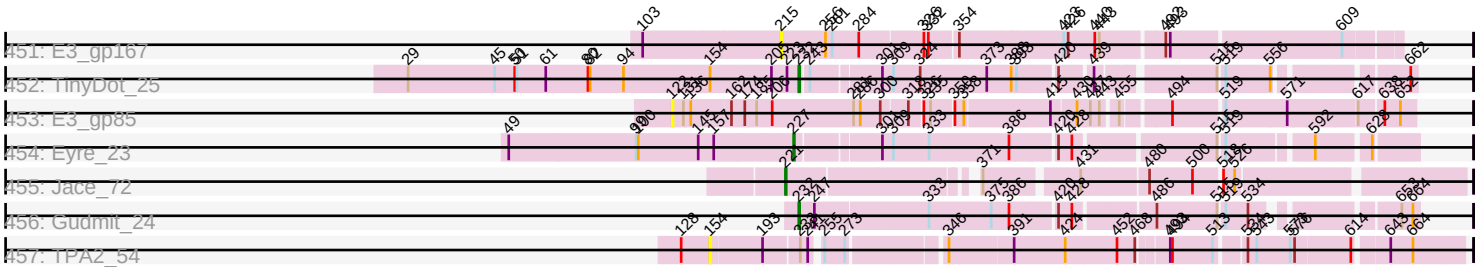
Zoomed Pham 347035



Zoomed Pham 347035



Zoomed Pham 347035



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 347035 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347035 has 796 members, 106 are drafts.

Phages represented in each track:
- Track 1 : Cuke_31
- Track 2 : MrMiyagi_34
- Track 3 : Fowlmouth_34
- Track 4 : Peregrin_29
- Track 5 : Grayson_31
- Track 6 : Weasels2_31
- Track 7 : Poco6_034, PerroGrande22_37
- Track 8 : Pepy6_033
- Track 9 : Gustav_37
- Track 10 : Mahdia_35
- Track 11 : Nova53_11
- Track 12 : Francesca_10
- Track 13 : Dorin_11
- Track 14 : Srilaccoli3_59
- Track 15 : Reynauld_61
- Track 16 : GRU1_9
- Track 17 : Dalilpop_23
- Track 18 : GTE5_9
- Track 19 : Flapper_22
- Track 20 : Turuncu_22
- Track 21 : SuperSulley_20, Buggaboo_20
- Track 22 : GTE8_7
- Track 23 : Emianna_19, GrootJr_21, NatB6_19, Foxboro_20, Kurt_19, Jifall16_18, Arti_19, KidneyBean_19, NovumRegina_19
- Track 24 : Phomeo_18
- Track 25 : Commandaria_20
- Track 26 : Wheezy_19, Tracker_19
- Track 27 : Outis_19, StarStruck_19
- Track 28 : NosilaM_21, Kabluna_21, Bonum_21
- Track 29 : MerCougar_19
- Track 30 : Lollipop1437_23, Ennea_24
- Track 31 : Patio_21
- Track 32 : Float294_20, Skysand_20
- Track 33 : RedRaider_25
- Track 34 : WhoseManz_19
- Track 35 : Sukkupi_19, Yndexa_19, BiPauneto_20
- Track 36 : Pemberton_20

• Track 37 : IDyn_18
• Track 38 : Marietta_19
• Track 39 : NadineRae_17
• Track 40 : HubbaBubba_15
• Track 41 : HomeFry_22
• Track 42 : Scuba_25
• Track 43 : Fury_25
• Track 44 : Pleakley_25
• Track 45 : Polyyuki_20, Braxoaddie_20, Apiary_20
• Track 46 : Gagieri_19
• Track 47 : Maselop_20
• Track 48 : CoffeeBean_20
• Track 49 : MacGully_23
• Track 50 : GTE7_40, HayZem_51, GMA7_41
• Track 51 : Austin_52, Amore2_52
• Track 52 : Dakiti_51, Chelms_50
• Track 53 : Sombrero_50, Butterball_53, Boneham_53, FelixAlejandro_54
• Track 54 : Kelzog_51, Squibbles_49, Monty_48
• Track 55 : Msay19_54, Poland_54
• Track 56 : Jellybones_52
• Track 57 : PokyPuppy_49
• Track 58 : Hotorobo_49
• Track 59 : Flakey_49, Barbochs_48
• Track 60 : Linetti_51
• Track 61 : BirksAndSocks_54, John316_53, Gorko_49, Ekhein_50, Exiguo_49, Sam12_49, Lizzo_49, CathyBurgh_49, RemRem_50
• Track 62 : PierreThree_50, Crete_51, BigShaq_50, BenoitCattle_51
• Track 63 : BillyBobJr_55, CinnamonToast_55
• Track 64 : Diabla_53, SteveFrench_49, RoyalG_50
• Track 65 : Eggsie_48
• Track 66 : Beaver_53
• Track 67 : GourdThymes_49
• Track 68 : Adgers_51
• Track 69 : Worcestershire_49
• Track 70 : Breezic_49
• Track 71 : Katyusha_44, Benczkowski14_44, Kvothe_44, Teech_45
• Track 72 : Philon9_46, Vitaenoii_46
• Track 73 : Tredge_45, Teatealatte_45
• Track 74 : Demosthenes_43
• Track 75 : ASerpRocky_44
• Track 76 : Hollow_45, Niagara_44
• Track 77 : Buttrmlkdreams_48, Yummy_48, Troje_48, Horseradish_48, MScarn_50, Blondies_49
• Track 78 : SketchMex_46, Biskit_48
• Track 79 : BigChungus_46, Feastonyeet_46
• Track 80 : Yarn_42, CanesSauce_44, ChocoMunchkin_44, AndPeggy_42, Tolls_46, SteamedHams_45, CaramelLatte_44
• Track 81 : Nibbles_41
• Track 82 : Emalyn_44
• Track 83 : Burnsey_45, RADical_46, RedBaron_49, Bubble_43
• Track 84 : AikoCarson_46
• Track 85 : Socotra_46
• Track 86 : Gibbous_41, Dre3_41

• Track 87 : Axym_44
• Track 88 : CocoaPuff_47, Yucky_49
• Track 89 : Zareef_42, Wallaby_44
• Track 90 : Bavilard_46
• Track 91 : Mayweather_51
• Track 92 : Button_48
• Track 93 : KayGee_48, Elinal_50
• Track 94 : SheckWes_50
• Track 95 : SweatNTears_46
• Track 96 : Fribs8_41
• Track 97 : Survivors_42
• Track 98 : GTE2_37
• Track 99 : Azira_42
• Track 100 : MaVan_42
• Track 101 : Vine_49
• Track 102 : BillDoor_45
• Track 103 : CherryonLim_48
• Track 104 : Eliott_45, PsychoKiller_44, Sopespian_44, Starburst_45
• Track 105 : Jamzy_50
• Track 106 : Carsonalex_48
• Track 107 : ChickenTender_47
• Track 108 : Agatha_45, GoldHunter_45, Cozz_43
• Track 109 : HippoPololi_43
• Track 110 : SummitAcademy_46, Balloona_46
• Track 111 : Nodigi_53
• Track 112 : Tarnish_47
• Track 113 : McDazzle_49, ElJefes_48
• Track 114 : Yakult_48
• Track 115 : Malvina_44
• Track 116 : Wolfwood_42
• Track 117 : Hexbug_53
• Track 118 : Cleo_40
• Track 119 : MAnor_48
• Track 120 : PotPie_46
• Track 121 : RanchParmCat_50, Margaret_51
• Track 122 : RSchmailzl_46
• Track 123 : Typhonomachy_44
• Track 124 : Amok_46
• Track 125 : Lauer_43
• Track 126 : Quasar_45
• Track 127 : Nina_44
• Track 128 : GiKK_50
• Track 129 : Pons_48
• Track 130 : MunkgeeRoachy_43
• Track 131 : Orla_53
• Track 132 : KappaFarmDelta_27
• Track 133 : Soilmate_27, CarolAnn_26, Blino_26
• Track 134 : William_26
• Track 135 : Pipp_25, Utz_25
• Track 136 : Jalammah_27
• Track 137 : JasperJr_25, Delian_25, Guacamole_25, MintFen_25, Malachai_26, CaptainKirk2_25, Begonia_26, Melba_25, Zilla_25, Zarbodnamra_25, Wisp_24, PhrostedPhlake_27, BlingBling_25, Barco_25

• Track 138 : Samba_25, Hitter_25
• Track 139 : Fenry_24
• Track 140 : Wocket_27
• Track 141 : CheeseSpider_28
• Track 142 : Frokostdame_25
• Track 143 : Fairfaxidum_25
• Track 144 : PrincePatrick_25
• Track 145 : Obliviate_25, ZiggyZoo_25
• Track 146 : Archis_26
• Track 147 : Lysidious_26
• Track 148 : JuJu_26
• Track 149 : Murp_26
• Track 150 : Petra_27
• Track 151 : MissRona_27, Azula_27, Blueberry_27
• Track 152 : Toast_26, PCoral7_26
• Track 153 : Gambino_27
• Track 154 : UmaThurman_25
• Track 155 : Mellie_24
• Track 156 : Walrus_27
• Track 157 : Orchid_39, Kampe_40, PatrickStar_40
• Track 158 : Gibbles_38, RobinSparkles_42
• Track 159 : Angelique_28
• Track 160 : Lilas_27
• Track 161 : EMsquaredA_27, Pollux_27, Bradissa_27, EnalisNailo_27, Marteena_27, Floral_27
• Track 162 : Confidence_26, BeeGee_26
• Track 163 : BritBrat_27
• Track 164 : Wrigley_28, Jablanski_28, Posh_28, Pytheas_28
• Track 165 : Cashline_26
• Track 166 : LonelyBoi_27
• Track 167 : Bunnybear_24
• Track 168 : Lton_23
• Track 169 : SushiChef_27
• Track 170 : Pepperoni_24
• Track 171 : Ohgeesy_25
• Track 172 : BoyNamedSue_26, AlumE_26, PantheRoc_26, Agueybana_26
• Track 173 : WelcomeAyanna_24, ThankyouJordi_24
• Track 174 : Neobush_27, Manasvini_27, Suscepit_27, Zameen_27, Dillpickles_28, Antonio_27, Eudoria_27, Kita_27, Trumpet_27, Maridalia_26, Tayonia_27
• Track 175 : Bialota_25, Zirinka_25
• Track 176 : Nymphadora_25
• Track 177 : Madavieve_25
• Track 178 : Eviarto_25, BatStarr_25, TimTam_25, Bosnia_25, Herod_25
• Track 179 : Polly_24
• Track 180 : Hyzer_27
• Track 181 : Madeline_25
• Track 182 : Hugley_25
• Track 183 : GemG_24, Ebert_24, Gizermo_24, Yinzer_24, Mocha12_24, Cynthia_24, Whiteclaw_24, Savage_24, Sproutie_24, Clap_24, Haley23_24, TuertoX_24
• Track 184 : Attis_24, LordFarquaad_24, SoilAssassin_24, Bjanes7_24, Yeet412_24
• Track 185 : Matteo_23
• Track 186 : Pickett_23

- Track 187 : Vasanti_23
- Track 188 : Nettuno_23
- Track 189 : Lamberg_23, EdnaMode_23
- Track 190 : Sahara_23
- Track 191 : FroggyToad_24
- Track 192 : JCole_22
- Track 193 : Jalleen_24
- Track 194 : BaxterFox_25
- Track 195 : Yeezy_27
- Track 196 : Shlim410_25, Adora_25, Hortense_25, Twinkle_25
- Track 197 : Dolores_25, Rizz_28, MichaelScott_25
- Track 198 : Sekhmet_25
- Track 199 : Tuti_25
- Track 200 : Beenie_25
- Track 201 : Oregano_25
- Track 202 : Easley_25, WinkNick_25
- Track 203 : Annalisa_25
- Track 204 : DobbysSock_24
- Track 205 : Samman98_25
- Track 206 : PhriskyACE_24
- Track 207 : Mcklovin_25
- Track 208 : Invectra_25
- Track 209 : Howe_25
- Track 210 : Dorito_24
- Track 211 : Thimann_25, Suerte_23
- Track 212 : Clark_25
- Track 213 : Denise_22
- Track 214 : Faith5x5_23
- Track 215 : OneDirection_22
- Track 216 : Moosehead_23
- Track 217 : Sidious_26
- Track 218 : RavenCo17_24
- Track 219 : Frizzle_40
- Track 220 : Archimedes_43
- Track 221 : Sapo_40
- Track 222 : Ghobes_41
- Track 223 : BBQValindra_26
- Track 224 : Chipko_27
- Track 225 : Bowser_26
- Track 226 : PatriciaStar_25
- Track 227 : Coriander_27, Doggs_26
- Track 228 : GEazy_26, NaLuna_26, HannahD_26
- Track 229 : Jecs_27
- Track 230 : Kiko_27
- Track 231 : Dmitri_27
- Track 232 : DirtyBoi_28
- Track 233 : Hedwig_28
- Track 234 : RayTheFireFly_27
- Track 235 : Opie_26
- Track 236 : MagicMan_26, Schnabeltier_26
- Track 237 : ZAYM_27
- Track 238 : TaronosaurasRx_26
- Track 239 : BackstagePass_26

• Track 240 : Eyes_26
• Track 241 : Moonflower_27
• Track 242 : Bunker_26
• Track 243 : Phlop_43, Fugax_47, Egi03_44, PullumCavea_43, Barb_46, PinkCoffee_46, ClamChowder_46
• Track 244 : Togo_43, SmokingBunny_44, Sendy_45, Nubi_44
• Track 245 : Jambalaya_44, Savbucketdawg_44
• Track 246 : Portcullis_45, JohnPork_45, Halo3_44
• Track 247 : VanDeWege_47, Wizard_43, CoveyB_47, Valary_46, KimmyK_45, Arri_47, Gezellig_43, CherryCola_46
• Track 248 : Salvador_43, Evamon_43
• Track 249 : Sixsevenium_47
• Track 250 : Danyall_46, Twister6_46
• Track 251 : YungMoney_47, SharkTale_45
• Track 252 : Fireball_45
• Track 253 : TillyBobJoe_44
• Track 254 : Mutzi_43
• Track 255 : Shinji_44
• Track 256 : Bakery_49
• Track 257 : RogerDodger_47
• Track 258 : Clown_50
• Track 259 : Tangerine_45
• Track 260 : Tangent_46, ChadMasterC_46, Fitzgerald_44, Nordenberg_40, BobBob_43, McCrothy_45, Love_49, Vivi2_48, Sanjuju_44, MoontowerMania_45, McKinley_47, Charming_46, Barsten_46, Rofo_46, Shivanishola_45, Galadriel_45, Paries_48
• Track 261 : Bizzy_46, Derg_41, SchottB_44, Baumdotcom_44, LilHam_43
• Track 262 : Geodirt_44, Fosterous_43, Kamashten_43, Angelicage_43, Kewpiedoll_45, Brawn1_42, Lennon_45, Sitar_45, Thing3_43, Stultus_44, Affeca_43
• Track 263 : Sedona_45
• Track 264 : Keitabear_45, Ailee_42
• Track 265 : Kroos_46, Stichling_43
• Track 266 : Baddon_45, Ashertheman_46, Saronaya_45, Gustavo_45
• Track 267 : Bibwit_44
• Track 268 : Brandonk123_47
• Track 269 : Kwobi_47, Tycho_45, StorminNorm_45
• Track 270 : Ribeye_46
• Track 271 : RiverRaider_46
• Track 272 : YorkOnyx_46
• Track 273 : Jabberwocky_44
• Track 274 : Flatwoods_46
• Track 275 : Gaea_45
• Track 276 : JKSyngboy_43
• Track 277 : FuegoCuervo_48
• Track 278 : MelBins_45
• Track 279 : Leonard_44, Phinally_44
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• Track 281 : Belphegor_45
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• Track 287 : Chickadee_57, Kwekel_57
• Track 288 : Tiamoceli_57
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• Track 292 : ViaConlectus_46
• Track 293 : Verity_46, Delrey21_46, DoctorFroggo_46
• Track 294 : Scioto_47, Sampson_46, Natkenzie_46, Abblin_46
• Track 295 : Pumpkiney_47
• Track 296 : BigHunkinEater_49
• Track 297 : Tardus_47
• Track 298 : APunk_47
• Track 299 : Lilbeanie_44
• Track 300 : Gmala1_33
• Track 301 : GordDuk1_33
• Track 302 : GordTnk2_33
• Track 303 : GMA3_32
• Track 304 : Jumbo_41
• Track 305 : Camerico_44
• Track 306 : Morkie_24, InLimbo_25, PhorbesPhlower_24
• Track 307 : Lucky10_24
• Track 308 : Schwartz33_31
• Track 309 : Figliar_30, Duffington_30, MajinBuu_30, Tonaltzin_30, Aflac_30
• Track 310 : BetterYeti_30, Aloe25_30, PestoPenguin_30, Gusicorn_30
• Track 311 : Citrus_29, Luthien_30
• Track 312 : Glintora_30
• Track 313 : Tairn4Wing_29, ChickyNuggy_28, JulesRay_27, Football_28, Bugg_28, Dancer_27, NoPickles_27, Trufflozitus_27, Captrips_27
• Track 314 : EndAve_30, AlainaMarie_30, Chikenjars_30, Nithya_30
• Track 315 : BluerMoon_30
• Track 316 : Mossy_31
• Track 317 : Artorias_27, Avazak_27, FortCran_27
• Track 318 : Nadmeg_31
• Track 319 : Perkunas_29, SweetCrkHerbs_29, Talon44_28
• Track 320 : Arataki_29, Demure_29
• Track 321 : Pherobrine_29, Mysticmoon_29
• Track 322 : Hydrus_31, Zeph_31
• Track 323 : Capybara_27, Roney_27, Gill_27, Odesza_27, Tanis_27, Gravy_27, Magel_27, Kerry_27
• Track 324 : ShaggyRogers_30
• Track 325 : Untouchable_30, Madvan_30, Crocheter_30, Dialga_31
• Track 326 : ArtetaBall_31, Runhaar_30, Vardy_30
• Track 327 : Petito_29
• Track 328 : Phepper_30
• Track 329 : Rickmore_29
• Track 330 : CWormy_30
• Track 331 : Kenosha_30
• Track 332 : Fazel_28
• Track 333 : Conley_28
• Track 334 : Eddiemania_31
• Track 335 : OhMyWard_30
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• Track 337 : Blanky_30

• Track 338 : TenaciousP_31, Jodelie19_31
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• Track 340 : Hortihabitatio_30
• Track 341 : Secretariat_28
• Track 342 : Bantam_131, SpeedDemon_1340
• Track 343 : DatBoi_128
• Track 344 : Daredevil_123, Towmatter_121
• Track 345 : BearBQ_27, Kuwabara_27, Birdsong_27, MortyNRick_27
• Track 346 : Ecliptus_31
• Track 347 : Malisha_30
• Track 348 : ODay_32
• Track 349 : BotCity_28, BENtherdunthat_28
• Track 350 : Kamaru_28, Phistory_29, Apricot_27, Getalong_29, Horus_28, Budski_28, CheeseTouch_28, Holliday_28, Leroy_28, Crater_26, Phabuloso_27, Frickyeah_27, Whitney_29
• Track 351 : Kenna_27, Lutum_28, Asapag_28
• Track 352 : Periwinkle_30
• Track 353 : ShawBrad_28
• Track 354 : LitninMcQueen_27
• Track 355 : Squiddly_30, Spooky_28
• Track 356 : Lenoshki_31, Beted_31, Oogie_32
• Track 357 : Gray_31
• Track 358 : Twin_30, Farrylious_30, Amoonguss_30, Chidiebere_31, Toneprano_30, EmoNemo_30, Argena_30, Kabocha_32, Aloki_31, Pakusa_30, Mikronejon_31, Schomber_30, MintFritos_30
• Track 359 : FruityLoops_29
• Track 360 : ScarletRaider_30, FlyingTortilla_30
• Track 361 : DalanDe_26, Thales_26
• Track 362 : GMA6_16
• Track 363 : ChisanaKitsune_27
• Track 364 : Hanem_31
• Track 365 : UBSmoodge_32
• Track 366 : TraderJ_45, Yeshua_45, Wooper_45
• Track 367 : MossRose_45, MakoManhole_45, CaiB_45, AnarQue_45
• Track 368 : CharlottesWeb_42
• Track 369 : Sour_47
• Track 370 : Evaa_42
• Track 371 : Sisko_42, AnClar_43
• Track 372 : FelixTres_45, CloverMinnie_45, Blackpen_45
• Track 373 : JellyBelly_42
• Track 374 : BobRoss2024_41
• Track 375 : NHagos_43, AksarBAT_43
• Track 376 : Ligma_42, Fresco_42, Axumite_42, Shatter_42
• Track 377 : Mariokart_42
• Track 378 : Yago84_42
• Track 379 : LittleMunchkin_44
• Track 380 : BiggityBass_42
• Track 381 : Coco2012_42
• Track 382 : BabyMoney_47
• Track 383 : Dogfish_46
• Track 384 : Nyceirae_51
• Track 385 : Vordorf_47
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• Track 387 : Phishy_50
• Track 388 : Manilisa_49
• Track 389 : Ewald_46
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• Track 391 : Kudefre_120
• Track 392 : Sephiroth_116
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• Track 394 : LilJank_117
• Track 395 : Neville_115
• Track 396 : Trax_117
• Track 397 : Rabbitrun_118
• Track 398 : LuckyLeo_84, Apeppi_82
• Track 399 : Erutan_86, GretelLyn_86
• Track 400 : Jalebi_86, MoiGyank_89, Sampudon_88, Gibbin_88
• Track 401 : Stormer_85, Rumi_85
• Track 402 : Patos_91, NorManre_91
• Track 403 : Riduram_83
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• Track 405 : DaviePasture_87, LavAbarElk_86, Pywacket_83, Nettle_88
• Track 406 : RazorC_84, Avian_82
• Track 407 : Xenia2_89
• Track 408 : DoobyDoo_86
• Track 409 : Alyssamiracle_87, Genamy16_87, NovaSharks_86, Astralis_84
• Track 410 : Sadboi_86
• Track 411 : Ranch_90
• Track 412 : Tillicus_80
• Track 413 : Zany_85
• Track 414 : Aaravos_83
• Track 415 : DumpTruck_89
• Track 416 : Lila22_87
• Track 417 : OtterstedtS21_87
• Track 418 : BirthdayBoy_89
• Track 419 : Charminar_83
• Track 420 : Lambo_86
• Track 421 : ParvusTarda_86
• Track 422 : Wojtek_79
• Track 423 : Alephilan_88
• Track 424 : Rota_85
• Track 425 : Yikes_87
• Track 426 : Jamemuya19_82
• Track 427 : Mima20_85
• Track 428 : Malibo_27
• Track 429 : Zodiariah_29
• Track 430 : DumpsterDude_29
• Track 431 : Ruthy_29
• Track 432 : Sprinklemunch_29
• Track 433 : ArchiDore_29
• Track 434 : MakCheese_31
• Track 435 : DearBasketball_53, Reyja_51, DinoNuggs_51
• Track 436 : DonkeyMan_50, Tarzan_50
• Track 437 : Hibiscus_50, Heinz_49
• Track 438 : Jojo24_48
• Track 439 : Santhid_48

• Track 440 : ObLaDi_33, ModicumRichard_33, Aleemily_32, Cafasso_33
• Track 441 : Morgana_33
• Track 442 : VanLee_104
• Track 443 : Colossa_101
• Track 444 : PhaoMing_23
• Track 445 : TPA4_30
• Track 446 : GAL1_26
• Track 447 : DocB7_038
• Track 448 : Mbo4_54
• Track 449 : JeanGrey_131
• Track 450 : Mbo2_63
• Track 451 : E3_gp167
• Track 452 : TinyDot_25
• Track 453 : E3_gp85
• Track 454 : Eyre_23
• Track 455 : Jace_72
• Track 456 : Gudmit_24
• Track 457 : TPA2_54

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

The start number called the most often in the published annotations is 159, it was called in 67 of the 690 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agatha_45, AikoCarson_46, Amok_46, AndPeggy_42, Axym_44, Azira_42, Balloona_46, Bavilard_46, BigChungus_46, BillDoor_45, Biskit_48, Blondies_49, Bubble_43, Burnsey_45, Buttrmlkdreams_48, CanesSauce_44, CaramelLatte_44, Carsonalex_48, CherryonLim_48, Chickadee_57, ChickenTender_47, ChocoMunchkin_44, Cleo_40, CocoaPuff_47, Cozz_43, Dexdert_58, Dre3_41, ElJefes_48, Elinal_50, Eliott_45, Emalyn_44, Feastonyeet_46, Fribs8_41, Frizzle_40, GTE2_37, GTE6_58, Ghobes_41, Gibbous_41, GoldHunter_45, HippoPololi_43, Horseradish_48, KayGee_48, Kwekel_57, Lauer_43, MAnor_48, MScarn_50, MaVan_42, Malvina_44, Mayweather_51, McDazzle_49, MunkgeeRoachy_43, Nibbles_41, Nina_44, Pons_48, PotPie_46, PsychoKiller_44, Quasar_45, RADical_46, RSchmailzl_46, RedBaron_49, RoadKill_54, Sapo_40, SheckWes_50, SketchMex_46, Socotra_46, Sopespian_44, Starburst_45, SteamedHams_45, SummitAcademy_46, Survivors_42, SweatNTears_46, Tarnish_47, Tiamoceli_57, Tolls_46, Troje_48, Twonlo_54, Typhonomachy_44, Vine_49, Wallaby_44, Wolfwood_42, Yarn_42, Yucky_49, Yummy_48, Zareef_42,

Genes that have the "Most Annotated" start but do not call it:
• Affeca_43, Angelicage_43, Barsten_46, BobBob_43, Brandonk123_47, Brawn1_42, ChadMasterC_46, Charming_46, Fitzgerald_44, Fosterous_43, Galadriel_45, Geodirt_44, Jabberwocky_44, Kamashten_43, Kewpiedoll_45, Lennon_45, Love_49, McCrothy_45, McKinley_47, MoontowerMania_45, Nordenberg_40, Paries_48, Rofo_46, Sanjuju_44, Shivanishola_45, Sitar_45, Stultus_44, Tangent_46, Thing3_43, Vivi2_48,

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

• APunk_47, ASerpRocky_44, Aaravos_83, Abblin_46, Adgers_51, Adora_25, Aflac_30, Agueybana_26, Ailee_42, AksarBAT_43, AlainaMarie_30, Aleemily_32, Alephilan_88, Ali17_42, Aloe25_30, Aloki_31, AlumE_26, Alyssamiracle_87, Amoonguss_30, Amore2_52, AnClar_43, AnarQue_45, Angelique_28, Annalisa_25, Antonio_27, Apeppi_82, Apiary_20, Apricot_27, Arataki_29, ArchiDore_29, Archimedes_43, Archis_26, Argena_30, Arri_47, ArtetaBall_31, Arti_19, Artorias_27, Asapag_28, Ashertheman_46, Astralis_84, Attis_24, Austin_52, Avazak_27, Avian_82, Axumite_42, Azula_27, BBQValindra_26, BENtherdunthat_28, BabyMoney_47, BackstagePass_26, Baddon_45, Bakery_49, Bantam_131, Barb_46, Barbochs_48, Barco_25, BatStarr_25, Baumdotcom_44, BaxterFox_25, BearBQ_27, Beaver_53, BeeGee_26, Beenie_25, Begonia_26, Belphegor_45, Benczkowski14_44, BenoitCattle_51, Beted_31, BetterYeti_30, BiPauneto_20, Bialota_25, Bibwit_44, BigHunkinEater_49, BigShaq_50, BiggityBass_42, BillyBobJr_55, Birdsong_27, BirksAndSocks_54, BirthdayBoy_89, Bizzy_46, Bjanes7_24, Blackpen_45, Blanky_30, BlingBling_25, Blino_26, Blueberry_27, BluerMoon_30, BobRoss2024_41, Boneham_53, Bonum_21, Bosnia_25, BotCity_28, Bowser_26, BoyNamedSue_26, Bradissa_27, Braxoaddie_20, Breezic_49, BritBrat_27, Budski_28, Bugg_28, Buggaboo_20, Bunker_26, Bunnybear_24, Burley_30, Butterball_53, Button_48, CWormy_30, Cafasso_33, CaiB_45, Camerico_44, CaptainKirk2_25, Captrips_27, Capybara_27, CarolAnn_26, Cashline_26, CathyBurgh_49, CharlottesWeb_42, Charminar_83, CheeseSpider_28, CheeseTouch_28, Chelms_50, CherryCola_46, ChickyNuggy_28, Chidiebere_31, Chikenjars_30, Chipko_27, ChisanaKitsune_27, CinnamonToast_55, Citrus_29, ClamChowder_46, Clap_24, Clark_25, CloverMinnie_45, Clown_50, Coco2012_42, CoffeeBean_20, Colossa_101, Commandaria_20, Confidence_26, Conley_28, Coriander_27, CoveyB_47, Crater_26, Crete_51, Crocheter_30, Cuke_31, Cynthia_24, Dakiti_51, DalanDe_26, Dalilpop_23, Dancer_27, Danyall_46, Daredevil_123, DatBoi_128, DaviePasture_87, DearBasketball_53, Delian_25, Delrey21_46, Demosthenes_43, Demure_29, Denise_22, Derg_41, Diabla_53, Dialga_31, Dillpickles_28, DinoNuggs_51, DirtyBoi_28, Dmitri_27, DobbysSock_24, DocB7_038, DoctorFroggo_46, Dogfish_46, Doggs_26, Dolores_25, DonkeyMan_50, DoobyDoo_86, Dorin_11, Dorito_24, Duffington_30, DumpTruck_89, DumpsterDude_29, E3_gp167, E3_gp85, EMoore_42, EMsquaredA_27, Easley_25, Ebert_24, Ecliptus_31, Eddiemania_31, EdnaMode_23, Eggsie_48, Egi03_44, Ekhein_50, Emianna_19, EmoNemo_30, EnalisNailo_27, EndAve_30, Ennea_24, Erutan_86, Eudoria_27, Evaa_42, Evamon_43, Eviarto_25, Ewald_46, Exiguo_49, Eyes_26, Eyre_23, Fairfaxidum_25, Faith5x5_23, Farrylious_30, Fazel_28, FelixAlejandro_54, FelixTres_45, Fenry_24, Figliar_30, Fireball_45, Flakey_49, Flapper_22, Flatwoods_46, Float294_20, Floral_27, FlyingTortilla_30, Football_28, FortCran_27, Fowlmouth_34, Foxboro_20, Francesca_10, Fresco_42, Frickyeah_27, FroggyToad_24, Frokostdame_25, FruityLoops_29, FuegoCuervo_48, Fugax_47, Fulcrum_85, Fury_25, GAL1_26, GEazy_26, GMA3_32, GMA6_16, GMA7_41, GOATification_85, GRU1_9, GTE5_9, GTE7_40, GTE8_7, Gaea_45, Gagieri_19, Gambino_27, GemG_24, Genamy16_87, Getalong_29, Gezellig_43, GiKK_50, Gibbin_88, Gibbles_38, Gill_27, Gizermo_24, Glintora_30, Gmala1_33, GordDuk1_33, GordTnk2_33, Gorko_49, GourdThymes_49, Gravy_27, Gray_31, Grayson_31, GretelLyn_86, GrootJr_21, Guacamole_25, Gudmit_24, Gusicorn_30, Gustav_37, Gustavo_45, Haley23_24, Halo3_44, Hanem_31, HannahD_26, Hans_46, HayZem_51, Hedwig_28, Heinz_49, Herod_25, Hexbug_53, Hibiscus_50, Hitter_25, Holliday_28, Hollow_45, HomeFry_22, Hortense_25, Hortihabitatio_30, Horus_28, Hotorobo_49, Howe_25, HubbaBubba_15, Hugley_25, Hydrus_31, Hyzer_27, IDyn_18, InLimbo_25, Inspectinfecti_45, Invectra_25, JCole_22, JKSyngboy_43, Jablanski_28, Jace_72, Jalammah_27, Jalebi_86, Jalleen_24,

Jambalaya_44, Jamemuya19_82, Jamzy_50, JasperJr_25, JeanGrey_131, Jecs_27, JellyBelly_42, Jellybones_52, Jifall16_18, Jodelie19_31, John316_53, JohnPork_45, Jojo24_48, JuJu_26, JulesRay_27, Jumbo_41, Kabluna_21, Kabocha_32, Kamaru_28, Kampe_40, KappaFarmDelta_27, Katyusha_44, Keitabear_45, Kelzog_51, Kenna_27, Kenosha_30, Kerry_27, KidneyBean_19, Kiko_27, KimmyK_45, Kita_27, Kroos_46, Kudefre_120, Kurt_19, Kuwabara_27, Kvothe_44, Kwobi_47, Lamberg_23, Lambo_86, LavAbarElk_86, Lenoshki_31, Leonard_44, Leroy_28, Ligma_42, LilHam_43, LilJank_117, Lila22_87, Lilas_27, Lilbeanie_44, Linetti_51, LitninMcQueen_27, LittleMunchkin_44, Lizzo_49, Lollipop1437_23, LonelyBoi_27, LordFarquaad_24, Lton_23, Lucky10_24, LuckyLeo_84, Luthien_30, Lutum_28, Lysidious_26, MacGully_23, Madavieve_25, Madeline_25, Madvan_30, Magel_27, MagicMan_26, Mahdia_35, MajinBuu_30, MakCheese_31, MakoManhole_45, Malachai_26, Malibo_27, Malisha_30, Manasvini_27, Manilisa_49, Margaret_51, Maridalia_26, Marietta_19, Mariokart_42, Marteena_27, Maselop_20, Matteo_23, Mbo2_63, Mbo4_54, Mcklovin_25, MelBins_45, Melba_25, Mellie_24, MerCougar_19, Meyran_46, MichaelScott_25, Mikronejon_31, Mima20_85, MintFen_25, MintFritos_30, MissRona_27, Mocha12_24, ModicumRichard_33, MoiGyank_89, Monty_48, Moonflower_27, Moosehead_23, Morgana_33, Morkie_24, MortyNRick_27, MossRose_45, Mossy_31, MrMiyagi_34, Msay19_54, Murp_26, Mutzi_43, Mysticmoon_29, NHagos_43, NaLuna_26, NadineRae_17, Nadmeg_31, NatB6_19, Natkenzie_46, Neobush_27, Nettle_88, Nettuno_23, Neville_115, Niagara_44, Nithya_30, NoPickles_27, Nodigi_53, NorManre_91, NosilaM_21, Nova53_11, NovaSharks_86, NovumRegina_19, Nubi_44, Nyceirae_51, Nymphadora_25, ODay_32, ObLaDi_33, Obliviate_25, Octobien14_115, Odesza_27, OhMyWard_30, Ohgeesy_25, OlgasClover_30, OneDirection_22, Oogie_32, Opie_26, Orchid_39, Oregano_25, Orla_53, OtterstedtS21_87, Outis_19, PCoral7_26, Pakusa_30, PantheRoc_26, ParvusTarda_86, Patio_21, Patos_91, PatriciaStar_25, PatrickStar_40, Pemberton_20, Pepperoni_24, Pepy6_033, Peregrin_29, Periwinkle_30, Perkunas_29, PerroGrande22_37, PestoPenguin_30, Petito_29, Petra_27, Phabuloso_27, PhaoMing_23, Phauci_37, Phepper_30, Pherobrine_29, Philon9_46, Phinally_44, Phishy_50, Phistory_29, Phlop_43, Phomeo_18, PhorbesPhlower_24, PhriskyACE_24, PhrostedPhlake_27, Pickett_23, PierreThree_50, PinkCoffee_46, Pipp_25, Pleakley_25, Poco6_034, PokyPuppy_49, Poland_54, Pollux_27, Polly_24, Polyyuki_20, Portcullis_45, Posh_28, PrincePatrick_25, PullumCavea_43, Pumpkiney_47, Pytheas_28, Pywacket_83, Rabbitrun_118, RanchParmCat_50, Ranch_90, RavenCo17_24, RayTheFireFly_27, RazorC_84, RedRaider_25, RemRem_50, Reyja_51, Reynauld_61, Ribeye_46, Rickmore_29, Riduram_83, RiverRaider_46, Rizz_28, RobinSparkles_42, RogerDodger_47, Roney_27, Rota_85, RoyalG_50, Rukungu_87, Rumi_85, Runhaar_30, Ruthy_29, Sadboi_86, Sahara_23, Salvador_43, Sam12_49, Samba_25, Samman98_25, Sampson_46, Sampudon_88, Santhid_48, Saronaya_45, Savage_24, Savbucketdawg_44, ScarletRaider_30, Schnabeltier_26, Schomber_30, SchottB_44, Schwartz33_31, Scioto_47, Scuba_25, Secretariat_28, Sedona_45, Sekhmet_25, Sendy_45, Sephiroth_116, ShaggyRogers_30, SharkTale_45, Shatter_42, ShawBrad_28, Shinji_44, Shlim410_25, Sidious_26, Sisko_42, Sixsevenium_47, Skysand_20, SmokingBunny_44, SoilAssassin_24, Soilmate_27, Sombrero_50, Sour_47, SpeedDemon_1340, Spooky_28, Sprinklemunch_29, Sproutie_24, Squibbles_49, Squiddly_30, Srilaccoli3_59, StarStruck_19, SteveFrench_49, Stichling_43, Stormer_85, StorminNorm_45, Suerte_23, Sukkupi_19, SuperSulley_20, Suscepit_27, SushiChef_27, SweetCrkHerbs_29, Syleon_121, TPA2_54, TPA4_30, Tairn4Wing_29, Talon44_28, Tangerine_45, Tanis_27, Tardus_47, TaronosaurasRx_26, Tarzan_50, Tayonia_27, Teatealatte_45, Teech_45, TenaciousP_31, Thales_26, ThankyouJordi_24,

Thimann_25, Tillicus_80, TillyBobJoe_44, TimTam_25, TinyDot_25, Toast_26, Togo_43, Tonaltzin_30, Toneprano_30, Towmatter_121, Tracker_19, TraderJ_45, Trax_117, Tredge_45, Trufflozitus_27, Trumpet_27, TuertoX_24, Turuncu_22, Tuti_25, Twin_30, Twinkle_25, Twister6_46, Tycho_45, UBSmoodge_32, UmaThurman_25, Untouchable_30, Utz_25, Valary_46, VanDeWege_47, VanLee_104, Vardy_30, Vasanti_23, Verity_46, ViaConlectus_46, Vitaenoii_46, Vordorf_47, Walrus_27, Weasels2_31, WelcomeAyanna_24, Wheezy_19, Whiteclaw_24, Whitney_29, WhoseManz_19, William_26, WinkNick_25, Wisp_24, Wizard_43, Wocket_27, Wojtek_79, Wooper_45, Worcestershire_49, Wrigley_28, Xenia2_89, Yago84_42, Yakult_48, Yeet412_24, Yeezy_27, Yeshua_45, Yikes_87, Yinzer_24, Yndexa_19, YorkOnyx_46, YungMoney_47, ZAYM_27, Zameen_27, Zany_85, Zarbodnamra_25, Zeph_31, ZiggyZoo_25, Zilla_25, Zipp_47, Zirinka_25, Zitch_49, Zodiariah_29,

Summary by start number:

Start 122:
• Found in 1 of 796 (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: E3_gp85 (singleton),

Start 125:
• Found in 9 of 796 (1.1%) of genes in pham
• Manual Annotations of this start: 9 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Button_48 (CT), GiKK_50 (CT), Hexbug_53 (CT), Jamzy_50 (CT), Margaret_51 (CT), Nodigi_53 (CT), Orla_53 (CT), RanchParmCat_50 (CT), Yakult_48 (CT),

Start 145:
• Found in 31 of 796 (3.9%) of genes in pham
• Manual Annotations of this start: 3 of 690
• Called 9.7% of time when present
• Phage (with cluster) where this start called: BiPauneto_20 (CR4), Sukkupi_19 (CR4), Yndexa_19 (CR4),

Start 154:
• Found in 2 of 796 (0.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: TPA2_54 (singleton),

Start 159:
• Found in 114 of 796 (14.3%) of genes in pham
• Manual Annotations of this start: 67 of 690
• Called 73.7% of time when present
• Phage (with cluster) where this start called: Agatha_45 (CT), AikoCarson_46 (CT), Amok_46 (CT), AndPeggy_42 (CT), Axym_44 (CT), Azira_42 (CT), Balloona_46 (CT), Bavilard_46 (CT), BigChungus_46 (CT), BillDoor_45 (CT), Biskit_48 (CT), Blondies_49 (CT), Bubble_43 (CT), Burnsey_45 (CT), Buttrmlkdreams_48 (CT), CanesSauce_44 (CT), CaramelLatte_44 (CT), Carsonalex_48 (CT), CherryonLim_48 (CT), Chickadee_57 (DE3), ChickenTender_47 (CT), ChocoMunchkin_44 (CT),

Cleo_40 (CT), CocoaPuff_47 (CT), Cozz_43 (CT), Dexdert_58 (DE3), Dre3_41 (CT), ElJefes_48 (CT), Elinal_50 (CT), Eliott_45 (CT), Emalyn_44 (CT), Feastonyeet_46 (CT), Fribs8_41 (CT), Frizzle_40 (DA), GTE2_37 (CT), GTE6_58 (DE3), Ghobes_41 (DA), Gibbous_41 (CT), GoldHunter_45 (CT), HippoPololi_43 (CT), Horseradish_48 (CT), KayGee_48 (CT), Kwekel_57 (DE3), Lauer_43 (CT), MAnor_48 (CT), MScarn_50 (CT), MaVan_42 (CT), Malvina_44 (CT), Mayweather_51 (CT), McDazzle_49 (CT), MunkgeeRoachy_43 (CT), Nibbles_41 (CT), Nina_44 (CT), Pons_48 (CT), PotPie_46 (CT), PsychoKiller_44 (CT), Quasar_45 (CT), RADical_46 (CT), RSchmailzl_46 (CT), RedBaron_49 (CT), RoadKill_54 (DE3), Sapo_40 (DA), SheckWes_50 (CT), SketchMex_46 (CT), Socotra_46 (CT), Sopespian_44 (CT), Starburst_45 (CT), SteamedHams_45 (CT), SummitAcademy_46 (CT), Survivors_42 (CT), SweatNTears_46 (CT), Tarnish_47 (CT), Tiamoceli_57 (DE3), Tolls_46 (CT), Troje_48 (CT), Twonlo_54 (DE3), Typhonomachy_44 (CT), Vine_49 (CT), Wallaby_44 (CT), Wolfwood_42 (CT), Yarn_42 (CT), Yucky_49 (CT), Yummy_48 (CT), Zareef_42 (CT),

Start 160:
• Found in 2 of 796 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Archimedes_43 (DA),

Start 168:
• Found in 9 of 796 (1.1%) of genes in pham
• Manual Annotations of this start: 7 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DearBasketball_53 (DY), DinoNuggs_51 (DY), DonkeyMan_50 (DY), Heinz_49 (DY), Hibiscus_50 (DY), Jojo24_48 (DY), Reyja_51 (DY), Santhid_48 (DY), Tarzan_50 (DY),

Start 172:
• Found in 3 of 796 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_31 (AC), Fowlmouth_34 (AC), MrMiyagi_34 (AC),

Start 173:
• Found in 9 of 796 (1.1%) of genes in pham
• Manual Annotations of this start: 2 of 690
• Called 22.2% of time when present
• Phage (with cluster) where this start called: Reynauld_61 (CH), Srilaccoli3_59 (CH),

Start 178:
• Found in 4 of 796 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fury_25 (CR5), HomeFry_22 (CR5), Mbo2_63 (singleton), Scuba_25 (CR5),

Start 189:
• Found in 31 of 796 (3.9%) of genes in pham
• Manual Annotations of this start: 22 of 690

• Called 80.6% of time when present
• Phage (with cluster) where this start called: Arti_19 (CR2), Commandaria_20 (CR2), Dalilpop_23 (CR1), Emianna_19 (CR2), Ennea_24 (CR3), Flapper_22 (CR1), Float294_20 (CR3), Foxboro_20 (CR2), GRU1_9 (CR1), GTE5_9 (CR1), GTE8_7 (CR2), GrootJr_21 (CR2), Jifall16_18 (CR2), KidneyBean_19 (CR2), Kurt_19 (CR2), Lollipop1437_23 (CR3), NatB6_19 (CR2), NovumRegina_19 (CR2), Patio_21 (CR3), Phomeo_18 (CR2), RedRaider_25 (CR3), Skysand_20 (CR3), Tracker_19 (CR2), Turuncu_22 (CR1), Wheezy_19 (CR2),

Start 190:
• Found in 4 of 796 (0.5%) of genes in pham
• Manual Annotations of this start: 4 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Delrey21_46 (DE4), DoctorFroggo_46 (DE4), Verity_46 (DE4), Zipp_47 (DE4),

Start 191:
• Found in 18 of 796 (2.3%) of genes in pham
• Manual Annotations of this start: 9 of 690
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bonum_21 (CR2), Buggaboo_20 (CR2), DumpsterDude_29 (DW), Kabluna_21 (CR2), MerCougar_19 (CR2), NosilaM_21 (CR2), Outis_19 (CR2), StarStruck_19 (CR2), SuperSulley_20 (CR2),

Start 192:
• Found in 3 of 796 (0.4%) of genes in pham
• Manual Annotations of this start: 3 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marietta_19 (CR4), Pemberton_20 (CR4), WhoseManz_19 (CR4),

Start 193:
• Found in 61 of 796 (7.7%) of genes in pham
• Manual Annotations of this start: 51 of 690
• Called 86.9% of time when present
• Phage (with cluster) where this start called: ASerpRocky_44 (CS4), Adgers_51 (CS2), Amore2_52 (CS1), Austin_52 (CS1), Barbochs_48 (CS2), Beaver_53 (CS2), Benczkowski14_44 (CS4), BenoitCattle_51 (CS2), BigShaq_50 (CS2), BirksAndSocks_54 (CS2), Boneham_53 (CS2), Breezic_49 (CS2), Butterball_53 (CS2), CathyBurgh_49 (CS2), Chelms_50 (CS2), Crete_51 (CS2), Dakiti_51 (CS2), Demosthenes_43 (CS4), Diabla_53 (CS2), Eggsie_48 (CS2), Ekhein_50 (CS2), Exiguo_49 (CS2), FelixAlejandro_54 (CS2), Flakey_49 (CS2), GMA7_41 (CS1), GTE7_40 (CS1), Gorko_49 (CS2), GourdThymes_49 (CS2), HayZem_51 (CS1), Hollow_45 (CS4), Hotorobo_49 (CS2), Jellybones_52 (CS2), John316_53 (CS2), Katyusha_44 (CS4), Kvothe_44 (CS4), Linetti_51 (CS2), Lizzo_49 (CS2), Msay19_54 (CS2), Niagara_44 (CS4), Philon9_46 (CS4), PierreThree_50 (CS2), PokyPuppy_49 (CS2), Poland_54 (CS2), RemRem_50 (CS2), RoyalG_50 (CS2), Sam12_49 (CS2), Sombrero_50 (CS2), SteveFrench_49 (CS2), Teatealatte_45 (CS4), Teech_45 (CS4), Tredge_45 (CS4), Vitaenoii_46 (CS4), Worcestershire_49 (CS2),

Start 195:
• Found in 12 of 796 (1.5%) of genes in pham
• Manual Annotations of this start: 10 of 690

• Called 91.7% of time when present
• Phage (with cluster) where this start called: Blino_26 (CV), CarolAnn_26 (CV), HubbaBubba_15 (CR4), IDyn_18 (CR4), JuJu_26 (CV), KappaFarmDelta_27 (CV), NadineRae_17 (CR4), Obliviate_25 (CV), Soilmate_27 (CV), Xenia2_89 (DV), ZiggyZoo_25 (CV),

Start 197:
• Found in 8 of 796 (1.0%) of genes in pham
• Manual Annotations of this start: 5 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyMoney_47 (DT), Dogfish_46 (DT), Ewald_46 (DT), Manilisa_49 (DT), Meyran_46 (DT), Nyceirae_51 (DT), Phishy_50 (DT), Vordorf_47 (DT),

Start 198:
• Found in 58 of 796 (7.3%) of genes in pham
• Manual Annotations of this start: 35 of 690
• Called 60.3% of time when present
• Phage (with cluster) where this start called: Archis_26 (CV), Azula_27 (CV), Barco_25 (CV), Begonia_26 (CV), BlingBling_25 (CV), Blueberry_27 (CV), Bunnybear_24 (CZ), CaptainKirk2_25 (CV), CheeseSpider_28 (CV), Clark_25 (CZ4), Delian_25 (CV), Dorito_24 (CZ4), Fenry_24 (CV), Frokostdame_25 (CV), Guacamole_25 (CV), Hitter_25 (CV), Invectra_25 (CZ4), Jalammah_27 (CV), JasperJr_25 (CV), Lysidious_26 (CV), Malachai_26 (CV), Melba_25 (CV), Mellie_24 (CV), MintFen_25 (CV), MissRona_27 (CV), Murp_26 (CV), PhrostedPhlake_27 (CV), Pipp_25 (CV), Samba_25 (CV), UmaThurman_25 (CV), Utz_25 (CV), Walrus_27 (CV), Wisp_24 (CV), Zarbodnamra_25 (CV), Zilla_25 (CV),

Start 199:
• Found in 2 of 796 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 50.0% of time when present
• Phage (with cluster) where this start called: EMoore_42 (DE2),

Start 200:
• Found in 58 of 796 (7.3%) of genes in pham
• Manual Annotations of this start: 54 of 690
• Called 98.3% of time when present
• Phage (with cluster) where this start called: Affeca_43 (DE1), Ailee_42 (DE1), Angelicage_43 (DE1), ArchiDore_29 (DW), Ashertheman_46 (DE1), Baddon_45 (DE1), Barsten_46 (DE1), Baumdotcom_44 (DE1), Bibwit_44 (DE1), Bizzy_46 (DE1), BobBob_43 (DE1), Brandonk123_47 (DE1), Brawn1_42 (DE1), ChadMasterC_46 (DE1), Charming_46 (DE1), Derg_41 (DE1), Fitzgerald_44 (DE1), Flatwoods_46 (DE1), Fosterous_43 (DE1), FuegoCuervo_48 (DE1), Gaea_45 (DE1), Galadriel_45 (DE1), Geodirt_44 (DE1), Gustavo_45 (DE1), JKSyngboy_43 (DE1), Jabberwocky_44 (DE1), Kamashten_43 (DE1), Keitabear_45 (DE1), Kewpiedoll_45 (DE1), Kroos_46 (DE1), Kwobi_47 (DE1), Lennon_45 (DE1), LilHam_43 (DE1), Love_49 (DE1), McCrothy_45 (DE1), McKinley_47 (DE1), MoontowerMania_45 (DE1), Nordenberg_40 (DE1), Paries_48 (DE1), Ribeye_46 (DE1), RiverRaider_46 (DE1), Rofo_46 (DE1), Sanjuju_44 (DE1), Saronaya_45 (DE1), SchottB_44 (DE1), Sedona_45 (DE1), Shivanishola_45 (DE1), Sitar_45 (DE1), Stichling_43 (DE1), StorminNorm_45 (DE1), Stultus_44 (DE1), Tangent_46 (DE1), Tangerine_45 (DE1), Thing3_43 (DE1), Tycho_45 (DE1), Vivi2_48 (DE1), YorkOnyx_46 (DE1),

Start 201:
• Found in 55 of 796 (6.9%) of genes in pham
• Manual Annotations of this start: 9 of 690
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Apiary_20 (CR6), Braxoaddie_20 (CR6), CoffeeBean_20 (CR6), Gagieri_19 (CR6), MacGully_23 (CR7), Maselop_20 (CR6), Polyyuki_20 (CR6), Sprinklemunch_29 (DW), TPA4_30 (singleton), Wocket_27 (CV), Zodiariah_29 (DW),

Start 203:
• Found in 39 of 796 (4.9%) of genes in pham
• Manual Annotations of this start: 34 of 690
• Called 94.9% of time when present
• Phage (with cluster) where this start called: Arri_47 (DC1), Bakery_49 (DC1), Barb_46 (DC1), CherryCola_46 (DC1), ClamChowder_46 (DC1), CoveyB_47 (DC1), Danyall_46 (DC1), Daredevil_123 (DL), Egi03_44 (DC1), Evamon_43 (DC1), Fireball_45 (DC1), Fugax_47 (DC1), Gezellig_43 (DC1), Halo3_44 (DC1), Jambalaya_44 (DC1), JohnPork_45 (DC1), KimmyK_45 (DC1), Mutzi_43 (DC1), Nubi_44 (DC1), Phlop_43 (DC1), PinkCoffee_46 (DC1), Portcullis_45 (DC1), PullumCavea_43 (DC1), RogerDodger_47 (DC1), Salvador_43 (DC1), Savbucketdawg_44 (DC1), Sendy_45 (DC1), SharkTale_45 (DC1), SmokingBunny_44 (DC1), TillyBobJoe_44 (DC1), Togo_43 (DC1), Towmatter_121 (DL), Twister6_46 (DC1), Valary_46 (DC1), VanDeWege_47 (DC1), Wizard_43 (DC1), YungMoney_47 (DC1),

Start 205:
• Found in 25 of 796 (3.1%) of genes in pham
• Manual Annotations of this start: 17 of 690
• Called 72.0% of time when present
• Phage (with cluster) where this start called: APunk_47 (DE4), Abblin_46 (DE4), Ali17_42 (DE2), Belphegor_45 (DE2), BigHunkinEater_49 (DE4), Hans_46 (DE2), Inspectinfecti_45 (DE2), Leonard_44 (DE2), MelBins_45 (DE2), Natkenzie_46 (DE4), Phauci_37 (DE2), Phinally_44 (DE2), Pumpkiney_47 (DE4), Sampson_46 (DE4), Scioto_47 (DE4), Tardus_47 (DE4), ViaConlectus_46 (DE4), Zitch_49 (DE4),

Start 206:
• Found in 3 of 796 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 690
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Clown_50 (DC2), Colossa_101 (KA),

Start 207:
• Found in 16 of 796 (2.0%) of genes in pham
• Manual Annotations of this start: 7 of 690
• Called 43.8% of time when present
• Phage (with cluster) where this start called: DumpTruck_89 (DV), Hyzer_27 (CZ1), Lilbeanie_44 (DE5), Petra_27 (CV), PhriskyACE_24 (CZ4), Sidious_26 (CZ7), Tuti_25 (CZ4),

Start 208:
• Found in 24 of 796 (3.0%) of genes in pham
• Manual Annotations of this start: 15 of 690

• Called 66.7% of time when present
• Phage (with cluster) where this start called: Adora_25 (CZ4), Annalisa_25 (CZ4), Beenie_25 (CZ4), DobbysSock_24 (CZ4), Dolores_25 (CZ4), Hortense_25 (CZ4), Mcklovin_25 (CZ4), MichaelScott_25 (CZ4), Oregano_25 (CZ4), Rizz_28 (CZ4), Samman98_25 (CZ4), Sekhmet_25 (CZ4), Shlim410_25 (CZ4), Suerte_23 (CZ4), Thimann_25 (CZ4), Twinkle_25 (CZ4),

Start 209:
• Found in 10 of 796 (1.3%) of genes in pham
• Manual Annotations of this start: 10 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_131 (DL), DatBoi_128 (DL), Gustav_37 (CD), LilJank_117 (DU2), Mahdia_35 (CD), Neville_115 (DU2), Rabbitrun_118 (DU2), SpeedDemon_1340 (DL), Trax_117 (DU2), VanLee_104 (KA),

Start 211:
• Found in 14 of 796 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 7.1% of time when present
• Phage (with cluster) where this start called: BritBrat_27 (CY2),

Start 212:
• Found in 3 of 796 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Mbo4_54 (singleton),

Start 214:
• Found in 13 of 796 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Lilas_27 (CY1),

Start 215:
• Found in 22 of 796 (2.8%) of genes in pham
• Manual Annotations of this start: 4 of 690
• Called 22.7% of time when present
• Phage (with cluster) where this start called: E3_gp167 (singleton), Kudefre_120 (DU1), Octobien14_115 (DU1), Sephiroth_116 (DU1), Syleon_121 (DU1),

Start 217:
• Found in 32 of 796 (4.0%) of genes in pham
• Manual Annotations of this start: 6 of 690
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Aleemily_32 (DZ), Cafasso_33 (DZ), Gray_31 (DQ), ModicumRichard_33 (DZ), Morgana_33 (DZ), ObLaDi_33 (DZ),

Start 219:
• Found in 88 of 796 (11.1%) of genes in pham
• Manual Annotations of this start: 3 of 690
• Called 3.4% of time when present
• Phage (with cluster) where this start called: Easley_25 (CZ4), Ruthy_29 (DW), WinkNick_25 (CZ4),

Start 220:
• Found in 61 of 796 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 3.3% of time when present
• Phage (with cluster) where this start called: BillyBobJr_55 (CS2), CinnamonToast_55 (CS2),

Start 221:
• Found in 4 of 796 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Jace_72 (singleton),

Start 223:
• Found in 54 of 796 (6.8%) of genes in pham
• Manual Annotations of this start: 36 of 690
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Aaravos_83 (DV), Alephilan_88 (DV), Alyssamiracle_87 (DV), Astralis_84 (DV), Avian_82 (DV), BirthdayBoy_89 (DV), Charminar_83 (DV), DaviePasture_87 (DV), DoobyDoo_86 (DV), Erutan_86 (DV), Fulcrum_85 (DV), GOATification_85 (DV), Genamy16_87 (DV), Gibbin_88 (DV), GretelLyn_86 (DV), Jalebi_86 (DV), Jamemuya19_82 (DV), Lambo_86 (DV), LavAbarElk_86 (DV), Lila22_87 (DV), Mima20_85 (DV), MoiGyank_89 (DV), Nettle_88 (DV), NorManre_91 (DV), NovaSharks_86 (DV), OtterstedtS21_87 (DV), ParvusTarda_86 (DV), Patos_91 (DV), Pywacket_83 (DV), Ranch_90 (DV), RazorC_84 (DV), Riduram_83 (DV), Rota_85 (DV), Rukungu_87 (DV), Rumi_85 (DV), Sadboi_86 (DV), Sampudon_88 (DV), Stormer_85 (DV), Tillicus_80 (DV), Wojtek_79 (DV), Yikes_87 (DV), Zany_85 (DV),

Start 226:
• Found in 1 of 796 (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: GMA6_16 (DQ),

Start 227:
• Found in 34 of 796 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Eyre_23 (singleton),

Start 228:
• Found in 3 of 796 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: InLimbo_25 (DH), Morkie_24 (DH), PhorbesPhlower_24 (DH),

Start 229:
• Found in 43 of 796 (5.4%) of genes in pham
• Manual Annotations of this start: 14 of 690
• Called 55.8% of time when present

• Phage (with cluster) where this start called: Aloki_31 (DQ), Amoonguss_30 (DQ), Argena_30 (DQ), Beted_31 (DQ), Chidiebere_31 (DQ), ChisanaKitsune_27 (DQ), DalanDe_26 (DQ), EmoNemo_30 (DQ), Farrylious_30 (DQ), FlyingTortilla_30 (DQ), FruityLoops_29 (DQ), Hanem_31 (DQ), Kabocha_32 (DQ), Lenoshki_31 (DQ), Mikronejon_31 (DQ), MintFritos_30 (DQ), Oogie_32 (DQ), Pakusa_30 (DQ), ScarletRaider_30 (DQ), Schomber_30 (DQ), Thales_26 (DQ), Toneprano_30 (DQ), Twin_30 (DQ), UBSmoodge_32 (DQ),

Start 232:
• Found in 78 of 796 (9.8%) of genes in pham
• Manual Annotations of this start: 67 of 690
• Called 94.9% of time when present
• Phage (with cluster) where this start called: AnClar_43 (DR), Attis_24 (CZ2), BBQValindra_26 (DB), BackstagePass_26 (DB), BiggityBass_42 (DR), Bjanes7_24 (CZ2), Bowser_26 (DB), Bradissa_27 (CY1), Bunker_26 (DB), Chipko_27 (DB), Clap_24 (CZ2), Coriander_27 (DB), Cynthia_24 (CZ2), DirtyBoi_28 (DB), Dmitri_27 (DB), Doggs_26 (DB), EMsquaredA_27 (CY1), Ebert_24 (CZ2), EdnaMode_23 (CZ2), EnalisNailo_27 (CY1), Eyes_26 (DB), Fairfaxidum_25 (CV), Faith5x5_23 (CZ6), Floral_27 (CY1), FroggyToad_24 (CZ2), GAL1_26 (singleton), GEazy_26 (DB), GemG_24 (CZ2), Gizermo_24 (CZ2), Gudmit_24 (singleton), Haley23_24 (CZ2), HannahD_26 (DB), Hedwig_28 (DB), JCole_22 (CZ2), Jecs_27 (DB), Lamberg_23 (CZ2), LittleMunchkin_44 (DR), LordFarquaad_24 (CZ2), Lton_23 (CZ), Lucky10_24 (DH), MagicMan_26 (DB), Marteena_27 (CY1), Matteo_23 (CZ2), Mocha12_24 (CZ2), Moosehead_23 (CZ6), NaLuna_26 (DB), Nettuno_23 (CZ2), OneDirection_22 (CZ6), Opie_26 (DB), PCoral7_26 (CV), Pepperoni_24 (CZ), Pickett_23 (CZ2), Pollux_27 (CY1), PrincePatrick_25 (CV), RavenCo17_24 (CZ8), RayTheFireFly_27 (DB), Sahara_23 (CZ2), Savage_24 (CZ2), Schnabeltier_26 (DB), Sisko_42 (DR), SoilAssassin_24 (CZ2), Sour_47 (DR), Sproutie_24 (CZ2), TaronosaurasRx_26 (DB), TinyDot_25 (singleton), Toast_26 (CV), TuertoX_24 (CZ2), Vasanti_23 (CZ2), Whiteclaw_24 (CZ2), William_26 (CV), Yago84_42 (DR), Yeet412_24 (CZ2), Yinzer_24 (CZ2), ZAYM_27 (DB),

Start 233:
• Found in 136 of 796 (17.1%) of genes in pham
• Manual Annotations of this start: 66 of 690
• Called 58.1% of time when present
• Phage (with cluster) where this start called: Aflac_30 (DJ), AlainaMarie_30 (DJ), Aloe25_30 (DJ), Arataki_29 (DJ), ArtetaBall_31 (DJ), Artorias_27 (DJ), Avazak_27 (DJ), BetterYeti_30 (DJ), Blanky_30 (DJ), BluerMoon_30 (DJ), Bugg_28 (DJ), Burley_30 (DJ), CWormy_30 (DJ), Captrips_27 (DJ), Capybara_27 (DJ), ChickyNuggy_28 (DJ), Chikenjars_30 (DJ), Citrus_29 (DJ), Conley_28 (DJ), Crocheter_30 (DJ), Dancer_27 (DJ), Demure_29 (DJ), Dialga_31 (DJ), Duffington_30 (DJ), Eddiemania_31 (DJ), EndAve_30 (DJ), Fazel_28 (DJ), Figliar_30 (DJ), Football_28 (DJ), FortCran_27 (DJ), Gill_27 (DJ), Glintora_30 (DJ), Gravy_27 (DJ), Gusicorn_30 (DJ), Hortihabitatio_30 (DJ), Hydrus_31 (DJ), JeanGrey_131 (singleton), Jodelie19_31 (DJ), JulesRay_27 (DJ), Kenosha_30 (DJ), Kerry_27 (DJ), Kiko_27 (DB), Luthien_30 (DJ), Madvan_30 (DJ), Magel_27 (DJ), MajinBuu_30 (DJ), Mossy_31 (DJ), Mysticmoon_29 (DJ), Nadmeg_31 (DJ), Nithya_30 (DJ), NoPickles_27 (DJ), Odesza_27 (DJ), OhMyWard_30 (DJ), OlgasClover_30 (DJ), PatriciaStar_25 (DB), Pepy6_033 (CC), Perkunas_29 (DJ), PerroGrande22_37 (CC), PestoPenguin_30 (DJ), Petito_29 (DJ), Phepper_30 (DJ), Pherobrine_29 (DJ), Poco6_034 (CC), Rickmore_29 (DJ), Roney_27 (DJ), Runhaar_30 (DJ), Schwartz33_31 (DJ), Secretariat_28 (DJ), ShaggyRogers_30 (DJ),

SweetCrkHerbs_29 (DJ), Tairn4Wing_29 (DJ), Talon44_28 (DJ), Tanis_27 (DJ), TenaciousP_31 (DJ), Tonaltzin_30 (DJ), Trufflozitus_27 (DJ), Untouchable_30 (DJ), Vardy_30 (DJ), Zeph_31 (DJ),

Start 234:
• Found in 21 of 796 (2.6%) of genes in pham
• Manual Annotations of this start: 15 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AksarBAT_43 (DR), AnarQue_45 (DR), Axumite_42 (DR), Blackpen_45 (DR), BobRoss2024_41 (DR), CaiB_45 (DR), CharlottesWeb_42 (DR), CloverMinnie_45 (DR), Coco2012_42 (DR), FelixTres_45 (DR), Fresco_42 (DR), JellyBelly_42 (DR), Ligma_42 (DR), MakoManhole_45 (DR), Mariokart_42 (DR), MossRose_45 (DR), NHagos_43 (DR), Shatter_42 (DR), TraderJ_45 (DR), Wooper_45 (DR), Yeshua_45 (DR),

Start 235:
• Found in 34 of 796 (4.3%) of genes in pham
• Manual Annotations of this start: 4 of 690
• Called 23.5% of time when present
• Phage (with cluster) where this start called: Apeppi_82 (DV), Camerico_44 (DF4), GMA3_32 (DF2), Gmala1_33 (DF1), GordDuk1_33 (DF1), GordTnk2_33 (DF1), Jumbo_41 (DF3), LuckyLeo_84 (DV),

Start 236:
• Found in 2 of 796 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Evaa_42 (DR),

Start 239:
• Found in 16 of 796 (2.0%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Hugley_25 (CZ1), SushiChef_27 (CZ),

Start 240:
• Found in 7 of 796 (0.9%) of genes in pham
• Manual Annotations of this start: 5 of 690
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Gibbles_38 (CX), Kampe_40 (CX), Orchid_39 (CX), PatrickStar_40 (CX), RobinSparkles_42 (CX),

Start 247:
• Found in 87 of 796 (10.9%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 2.3% of time when present
• Phage (with cluster) where this start called: Howe_25 (CZ4), MakCheese_31 (DW),

Start 251:
• Found in 2 of 796 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 690
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_11 (CG), Francesca_10 (CG),

Start 254:
• Found in 6 of 796 (0.8%) of genes in pham
• Manual Annotations of this start: 4 of 690
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Grayson_31 (CB), Nova53_11 (CG), Peregrin_29 (CB), Weasels2_31 (CB),

Start 255:
• Found in 92 of 796 (11.6%) of genes in pham
• Manual Annotations of this start: 2 of 690
• Called 3.3% of time when present
• Phage (with cluster) where this start called: Kelzog_51 (CS2), Monty_48 (CS2), Squibbles_49 (CS2),

Start 256:
• Found in 109 of 796 (13.7%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 0.9% of time when present
• Phage (with cluster) where this start called: Gambino_27 (CV),

Start 257:
• Found in 17 of 796 (2.1%) of genes in pham
• Manual Annotations of this start: 7 of 690
• Called 41.2% of time when present
• Phage (with cluster) where this start called: BeeGee_26 (CY5), Cashline_26 (CY6), Confidence_26 (CY1), Jablanski_28 (CY3), Posh_28 (CY4), Pytheas_28 (CY3), Wrigley_28 (CY4),

Start 258:
• Found in 3 of 796 (0.4%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Malisha_30 (DN),

Start 263:
• Found in 78 of 796 (9.8%) of genes in pham
• Manual Annotations of this start: 12 of 690
• Called 15.4% of time when present
• Phage (with cluster) where this start called: BatStarr_25 (CZ1), Bialota_25 (CZ1), Bosnia_25 (CZ1), Eviarto_25 (CZ1), Herod_25 (CZ1), Madeline_25 (CZ1), Malibo_27 (DW), Ohgeesy_25 (CZ), ThankyouJordi_24 (CZ1), TimTam_25 (CZ1), WelcomeAyanna_24 (CZ1), Zirinka_25 (CZ1),

Start 264:
• Found in 57 of 796 (7.2%) of genes in pham
• Manual Annotations of this start: 16 of 690
• Called 29.8% of time when present
• Phage (with cluster) where this start called: Agueybana_26 (CZ1), AlumE_26 (CZ1), Antonio_27 (CZ1), BaxterFox_25 (CZ3), BoyNamedSue_26 (CZ1), Dillpickles_28 (CZ1), Eudoria_27 (CZ1), Kita_27 (CZ1), Manasvini_27 (CZ1), Maridalia_26 (CZ1), Neobush_27 (CZ1), PantheRoc_26 (CZ3), Suscepit_27 (CZ1), Tayonia_27 (CZ1), Trumpet_27 (CZ1), Yeezy_27 (CZ3), Zameen_27 (CZ1),

Start 266:
• Found in 3 of 796 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: DocB7_038 (singleton),

Start 270:
• Found in 47 of 796 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 2.1% of time when present
• Phage (with cluster) where this start called: Denise_22 (CZ5),

Start 273:
• Found in 88 of 796 (11.1%) of genes in pham
• Manual Annotations of this start: 30 of 690
• Called 36.4% of time when present
• Phage (with cluster) where this start called: Angelique_28 (CY1), Apricot_27 (DN3), Asapag_28 (DN1), BENtherdunthat_28 (DN1), BearBQ_27 (DN), Birdsong_27 (DN), BotCity_28 (DN), Budski_28 (DN), CheeseTouch_28 (DN1), Crater_26 (DN3), Ecliptus_31 (DN), Frickyeah_27 (DN1), Getalong_29 (DN1), Holliday_28 (DN1), Horus_28 (DN1), Kamaru_28 (DN1), Kenna_27 (DN1), Kuwabara_27 (DN4), Leroy_28 (DN1), LitninMcQueen_27 (DN1), LonelyBoi_27 (CY7), Lutum_28 (DN1), MortyNRick_27 (DN), ODay_32 (DN), Periwinkle_30 (DN1), Phabuloso_27 (DN1), PhaoMing_23 (UNK), Phistory_29 (DN1), ShawBrad_28 (DN1), Spooky_28 (DN2), Squiddly_30 (DN2), Whitney_29 (DN1),

Start 278:
• Found in 63 of 796 (7.9%) of genes in pham
• Manual Annotations of this start: 2 of 690
• Called 3.2% of time when present
• Phage (with cluster) where this start called: Nymphadora_25 (CZ1), Polly_24 (CZ1),

Start 279:
• Found in 56 of 796 (7.0%) of genes in pham
• No Manual Annotations of this start.
• Called 1.8% of time when present
• Phage (with cluster) where this start called: Jalleen_24 (CZ2),

Start 286:
• Found in 51 of 796 (6.4%) of genes in pham
• Manual Annotations of this start: 1 of 690
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Pleakley_25 (CR5),

Start 294:
• Found in 178 of 796 (22.4%) of genes in pham
• No Manual Annotations of this start.
• Called 0.6% of time when present
• Phage (with cluster) where this start called: Shinji_44 (DC1),

Start 301:
• Found in 221 of 796 (27.8%) of genes in pham

• No Manual Annotations of this start.
• Called 0.5% of time when present
• Phage (with cluster) where this start called: Madavieve_25 (CZ1),

Start 309:
• Found in 71 of 796 (8.9%) of genes in pham
• No Manual Annotations of this start.
• Called 1.4% of time when present
• Phage (with cluster) where this start called: Moonflower_27 (DB),

Start 311:
• Found in 50 of 796 (6.3%) of genes in pham
• No Manual Annotations of this start.
• Called 2.0% of time when present
• Phage (with cluster) where this start called: Sixsevenium_47 (DC1),

Summary by clusters:

There are 68 clusters represented in this pham: DN, DL, DJ, DH, CZ2, CZ3, CZ1, DB, singleton, CZ4, DA, DZ, CZ8, DY, DV, DW, DT, DR, DQ, CZ7, DF4, DF1, DF3, DF2, CZ5, DN4, DN1, DN3, CB, CS4, DU2, CT, CS1, CS2, CY3, CY2, CY1, CH, CY7, CY6, CY5, CY4, CC, CZ6, DN2, CG, CD, CZ, CX, DU1, UNK, DC2, CV, DC1, CR2, CR3, KA, CR1, CR6, CR7, CR4, CR5, DE1, DE2, DE3, DE4, DE5, AC,

Info for manual annotations of cluster AC:
•Start number 172 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster CB:
•Start number 254 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CC:
•Start number 233 was manually annotated 1 time for cluster CC.

Info for manual annotations of cluster CD:
•Start number 209 was manually annotated 2 times for cluster CD.

Info for manual annotations of cluster CG:
•Start number 251 was manually annotated 2 times for cluster CG.
•Start number 254 was manually annotated 1 time for cluster CG.

Info for manual annotations of cluster CH:
•Start number 173 was manually annotated 2 times for cluster CH.

Info for manual annotations of cluster CR1:
•Start number 189 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 189 was manually annotated 13 times for cluster CR2.
•Start number 191 was manually annotated 8 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 189 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 145 was manually annotated 3 times for cluster CR4.
•Start number 192 was manually annotated 3 times for cluster CR4.
•Start number 195 was manually annotated 3 times for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 178 was manually annotated 3 times for cluster CR5.
•Start number 286 was manually annotated 1 time for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 201 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 201 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CS1:
•Start number 193 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS2:
•Start number 193 was manually annotated 36 times for cluster CS2.
•Start number 255 was manually annotated 2 times for cluster CS2.

Info for manual annotations of cluster CS4:
•Start number 193 was manually annotated 12 times for cluster CS4.

Info for manual annotations of cluster CT:
•Start number 125 was manually annotated 9 times for cluster CT.
•Start number 159 was manually annotated 58 times for cluster CT.

Info for manual annotations of cluster CV:
•Start number 195 was manually annotated 6 times for cluster CV.
•Start number 198 was manually annotated 31 times for cluster CV.
•Start number 201 was manually annotated 1 time for cluster CV.
•Start number 207 was manually annotated 1 time for cluster CV.
•Start number 232 was manually annotated 5 times for cluster CV.
•Start number 256 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CX:
•Start number 240 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster CY1:
•Start number 214 was manually annotated 1 time for cluster CY1.
•Start number 232 was manually annotated 6 times for cluster CY1.
•Start number 257 was manually annotated 1 time for cluster CY1.
•Start number 273 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CY2:
•Start number 211 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:
•Start number 257 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

•Start number 257 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 257 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 257 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 273 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 198 was manually annotated 1 time for cluster CZ.
•Start number 232 was manually annotated 2 times for cluster CZ.
•Start number 263 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 207 was manually annotated 1 time for cluster CZ1.
•Start number 263 was manually annotated 10 times for cluster CZ1.
•Start number 264 was manually annotated 13 times for cluster CZ1.
•Start number 278 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 232 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 264 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 198 was manually annotated 3 times for cluster CZ4.
•Start number 207 was manually annotated 2 times for cluster CZ4.
•Start number 208 was manually annotated 15 times for cluster CZ4.
•Start number 219 was manually annotated 2 times for cluster CZ4.
•Start number 247 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 270 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 232 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 207 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:
•Start number 232 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:
•Start number 159 was manually annotated 3 times for cluster DA.
•Start number 160 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DB:
•Start number 232 was manually annotated 17 times for cluster DB.

•Start number 233 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:
•Start number 203 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 206 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:
•Start number 200 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 199 was manually annotated 1 time for cluster DE2.
•Start number 205 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 159 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 190 was manually annotated 4 times for cluster DE4.
•Start number 205 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 207 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DF3:
•Start number 235 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:
•Start number 235 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster DH:
•Start number 228 was manually annotated 2 times for cluster DH.
•Start number 232 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DJ:
•Start number 233 was manually annotated 63 times for cluster DJ.

Info for manual annotations of cluster DL:
•Start number 203 was manually annotated 2 times for cluster DL.
•Start number 209 was manually annotated 3 times for cluster DL.

Info for manual annotations of cluster DN:
•Start number 258 was manually annotated 1 time for cluster DN.
•Start number 273 was manually annotated 7 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 273 was manually annotated 16 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 273 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 273 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 273 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DQ:
•Start number 217 was manually annotated 1 time for cluster DQ.
•Start number 229 was manually annotated 14 times for cluster DQ.

Info for manual annotations of cluster DR:
•Start number 232 was manually annotated 6 times for cluster DR.
•Start number 234 was manually annotated 15 times for cluster DR.
•Start number 236 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DT:
•Start number 197 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster DU1:
•Start number 215 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 209 was manually annotated 4 times for cluster DU2.

Info for manual annotations of cluster DV:
•Start number 195 was manually annotated 1 time for cluster DV.
•Start number 207 was manually annotated 1 time for cluster DV.
•Start number 223 was manually annotated 36 times for cluster DV.
•Start number 235 was manually annotated 2 times for cluster DV.

Info for manual annotations of cluster DW:
•Start number 191 was manually annotated 1 time for cluster DW.
•Start number 200 was manually annotated 1 time for cluster DW.
•Start number 201 was manually annotated 1 time for cluster DW.
•Start number 219 was manually annotated 1 time for cluster DW.
•Start number 263 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:
•Start number 168 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster DZ:
•Start number 217 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster KA:
•Start number 206 was manually annotated 1 time for cluster KA.
•Start number 209 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: APunk_47 Start: 40146, Stop: 40871, Start Num: 205
Candidate Starts for APunk_47:
(110, 39999), (127, 40035), (Start: 205 @40146 has 17 MA's), (Start: 255 @40200 has 2 MA's), (294, 40251), (300, 40260), (339, 40311), (353, 40329), (375, 40371), (414, 40428), (425, 40452), (457, 40518), (518, 40617), (540, 40653), (561, 40680), (633, 40791), (660, 40827),

Gene: ASerpRocky_44 Start: 46453, Stop: 45620, Start Num: 193
Candidate Starts for ASerpRocky_44:
(Start: 193 @46453 has 51 MA's), (220, 46426), (Start: 263 @46360 has 12 MA's), (321, 46267), (501, 45925), (528, 45868), (604, 45745), (622, 45706), (645, 45682), (648, 45676),

Gene: Aaravos_83 Start: 58545, Stop: 59393, Start Num: 223
Candidate Starts for Aaravos_83:
(Start: 201 @58521 has 9 MA's), (204, 58524), (210, 58533), (Start: 223 @58545 has 36 MA's), (Start: 235 @58563 has 4 MA's), (242, 58572), (Start: 257 @58596 has 7 MA's), (Start: 270 @58614 has 1 MA's), (292, 58653), (304, 58674), (373, 58806), (378, 58818), (414, 58890), (420, 58902), (429, 58923), (493, 59037), (504, 59073), (517, 59103), (523, 59115), (537, 59142), (570, 59190), (572, 59193), (603, 59247), (672, 59373),

Gene: Abblin_46 Start: 40683, Stop: 41405, Start Num: 205
Candidate Starts for Abblin_46:
(88, 40467), (127, 40572), (Start: 205 @40683 has 17 MA's), (294, 40788), (300, 40797), (339, 40848), (353, 40866), (375, 40908), (420, 40974), (422, 40980), (425, 40986), (457, 41052), (518, 41151), (633, 41325), (647, 41346), (660, 41361),

Gene: Adgers_51 Start: 46251, Stop: 45394, Start Num: 193
Candidate Starts for Adgers_51:
(Start: 193 @46251 has 51 MA's), (220, 46227), (Start: 255 @46173 has 2 MA's), (301, 46098), (333, 46038), (342, 46020), (367, 45981), (385, 45945), (389, 45939), (481, 45768), (509, 45693), (520, 45663), (576, 45576), (614, 45501), (637, 45474), (679, 45414),

Gene: Adora_25 Start: 21784, Stop: 22572, Start Num: 208
Candidate Starts for Adora_25:
(Start: 198 @21772 has 35 MA's), (Start: 208 @21784 has 15 MA's), (Start: 219 @21796 has 3 MA's), (225, 21799), (Start: 247 @21826 has 1 MA's), (Start: 256 @21838 has 1 MA's), (294, 21889), (344, 21982), (373, 22027), (374, 22030), (375, 22033), (411, 22093), (420, 22111), (425, 22123), (427, 22126), (428, 22129), (480, 22219), (518, 22306), (624, 22474), (639, 22492), (664, 22528), (678, 22552),

Gene: Affeca_43 Start: 39450, Stop: 40184, Start Num: 200
Candidate Starts for Affeca_43:
(Start: 159 @39393 has 67 MA's), (Start: 200 @39450 has 54 MA's), (Start: 219 @39468 has 3 MA's), (294, 39555), (311, 39582), (339, 39630), (353, 39648), (375, 39690), (424, 39768), (448, 39810), (464, 39843), (540, 39978), (567, 40017), (633, 40116), (655, 40143), (676, 40176),

Gene: Aflac_30 Start: 22320, Stop: 23108, Start Num: 233
Candidate Starts for Aflac_30:
(Start: 233 @22320 has 66 MA's), (Start: 263 @22365 has 12 MA's), (282, 22395), (288, 22407), (320, 22461), (400, 22608), (414, 22635), (421, 22650), (460, 22734), (521, 22839), (523, 22842), (570, 22917), (657, 23064),

Gene: Agatha_45 Start: 33907, Stop: 33068, Start Num: 159
Candidate Starts for Agatha_45:

(36, 34228), (41, 34204), (43, 34201), (65, 34114), (81, 34069), (95, 34018), (118, 33967), (Start: 159 @33907 has 67 MA's), (202, 33847), (Start: 229 @33817 has 14 MA's), (Start: 233 @33811 has 66 MA's), (301, 33730), (363, 33622), (540, 33298), (664, 33127), (668, 33118),

Gene: Agueybana_26 Start: 22183, Stop: 22803, Start Num: 264
Candidate Starts for Agueybana_26:
(60, 21808), (120, 21979), (121, 21982), (162, 22063), (177, 22084), (Start: 264 @22183 has 16 MA's), (Start: 278 @22192 has 2 MA's), (301, 22237), (347, 22318), (377, 22372), (403, 22417), (420, 22453), (445, 22504), (469, 22552), (501, 22615), (518, 22645), (560, 22696), (627, 22774),

Gene: AikoCarson_46 Start: 34085, Stop: 33246, Start Num: 159
Candidate Starts for AikoCarson_46:
(118, 34160), (Start: 159 @34085 has 67 MA's), (202, 34025), (Start: 233 @33989 has 66 MA's), (276, 33947), (301, 33908), (312, 33890), (322, 33866), (424, 33680), (466, 33608), (668, 33296),

Gene: Ailee_42 Start: 39043, Stop: 39777, Start Num: 200
Candidate Starts for Ailee_42:
(Start: 189 @39037 has 22 MA's), (Start: 200 @39043 has 54 MA's), (Start: 219 @39061 has 3 MA's), (294, 39148), (311, 39175), (339, 39223), (353, 39241), (375, 39283), (424, 39361), (448, 39403), (464, 39436), (540, 39571), (567, 39610), (633, 39709), (655, 39736), (676, 39769),

Gene: AksarBAT_43 Start: 36158, Stop: 36880, Start Num: 234
Candidate Starts for AksarBAT_43:
(Start: 234 @36158 has 15 MA's), (287, 36227), (300, 36251), (333, 36314), (337, 36320), (420, 36467), (484, 36563), (486, 36566), (515, 36644), (532, 36674), (540, 36689),

Gene: AlainaMarie_30 Start: 22307, Stop: 23095, Start Num: 233
Candidate Starts for AlainaMarie_30:
(Start: 233 @22307 has 66 MA's), (Start: 263 @22352 has 12 MA's), (282, 22382), (288, 22394), (320, 22448), (400, 22595), (419, 22631), (421, 22637), (521, 22826), (523, 22829), (559, 22886), (570, 22904), (587, 22931), (657, 23051),

Gene: Aleemily_32 Start: 27271, Stop: 28023, Start Num: 217
Candidate Starts for Aleemily_32:
(Start: 217 @27271 has 6 MA's), (Start: 256 @27322 has 1 MA's), (375, 27499), (435, 27598), (486, 27658), (518, 27736), (561, 27799), (597, 27862), (611, 27889), (682, 27991),

Gene: Alephilan_88 Start: 59241, Stop: 60092, Start Num: 223
Candidate Starts for Alephilan_88:
(112, 59064), (124, 59091), (129, 59100), (139, 59115), (147, 59124), (Start: 201 @59217 has 9 MA's), (204, 59220), (Start: 223 @59241 has 36 MA's), (Start: 227 @59250 has 1 MA's), (242, 59271), (Start: 270 @59313 has 1 MA's), (Start: 273 @59319 has 30 MA's), (299, 59364), (355, 59469), (373, 59505), (378, 59517), (398, 59556), (493, 59736), (521, 59811), (537, 59841), (570, 59889), (572, 59892), (603, 59946), (620, 59991), (670, 60069),

Gene: Ali17_42 Start: 38338, Stop: 39057, Start Num: 205
Candidate Starts for Ali17_42:
(Start: 205 @38338 has 17 MA's), (225, 38353), (Start: 255 @38392 has 2 MA's), (294, 38443), (339, 38503), (472, 38722), (486, 38731), (493, 38749), (518, 38809), (567, 38884), (633, 38983), (662, 39022), (674, 39043),

Gene: Aloe25_30 Start: 22097, Stop: 22885, Start Num: 233
Candidate Starts for Aloe25_30:

(Start: 233 @22097 has 66 MA's), (Start: 263 @22142 has 12 MA's), (288, 22184), (320, 22238), (421, 22427), (521, 22616), (523, 22619), (570, 22694), (657, 22841),

Gene: Aloki_31 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Aloki_31:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: AlumE_26 Start: 22182, Stop: 22802, Start Num: 264
Candidate Starts for AlumE_26:
(60, 21807), (120, 21978), (121, 21981), (162, 22062), (177, 22083), (Start: 264 @22182 has 16 MA's), (Start: 278 @22191 has 2 MA's), (301, 22236), (347, 22317), (377, 22371), (403, 22416), (420, 22452), (445, 22503), (469, 22551), (501, 22614), (518, 22644), (560, 22695), (627, 22773),

Gene: Alyssamiracle_87 Start: 57197, Stop: 58048, Start Num: 223
Candidate Starts for Alyssamiracle_87:
(Start: 201 @57173 has 9 MA's), (204, 57176), (Start: 223 @57197 has 36 MA's), (Start: 235 @57218 has 4 MA's), (242, 57227), (Start: 270 @57269 has 1 MA's), (Start: 273 @57275 has 30 MA's), (299, 57320), (353, 57422), (355, 57425), (373, 57461), (378, 57473), (398, 57512), (412, 57542), (414, 57545), (420, 57557), (421, 57560), (493, 57692), (517, 57758), (521, 57767), (537, 57797), (557, 57824), (570, 57845), (603, 57902), (620, 57947), (670, 58025),

Gene: Amok_46 Start: 34109, Stop: 33270, Start Num: 159
Candidate Starts for Amok_46:
(118, 34184), (Start: 159 @34109 has 67 MA's), (202, 34049), (Start: 233 @34013 has 66 MA's), (276, 33971), (301, 33932), (312, 33914), (322, 33890), (424, 33704), (466, 33632), (520, 33530), (668, 33320), (687, 33287),

Gene: Amoonguss_30 Start: 21571, Stop: 22269, Start Num: 229
Candidate Starts for Amoonguss_30:
(Start: 217 @21553 has 6 MA's), (Start: 229 @21571 has 14 MA's), (285, 21634), (305, 21670), (341, 21730), (347, 21742), (362, 21763), (377, 21796), (395, 21826), (397, 21829), (408, 21850), (410, 21856), (412, 21862), (422, 21883), (480, 21988), (486, 21997), (512, 22066), (514, 22072), (538, 22108), (550, 22120), (598, 22159), (609, 22180), (654, 22249), (663, 22261), (665, 22264),

Gene: Amore2_52 Start: 46682, Stop: 45783, Start Num: 193
Candidate Starts for Amore2_52:
(86, 46889), (106, 46823), (Start: 193 @46682 has 51 MA's), (220, 46655), (298, 46541), (301, 46535), (363, 46418), (366, 46412), (387, 46370), (419, 46310), (481, 46190), (502, 46127), (528, 46073), (539, 46052), (609, 45941),

Gene: AnClar_43 Start: 38069, Stop: 38794, Start Num: 232
Candidate Starts for AnClar_43:
(105, 37871), (146, 37943), (Start: 232 @38069 has 67 MA's), (241, 38078), (333, 38228), (337, 38234), (348, 38258), (355, 38267), (361, 38279), (369, 38294), (388, 38336), (401, 38360), (421, 38390), (475, 38474), (501, 38537), (513, 38561), (515, 38567), (641, 38750), (647, 38759),

Gene: AnarQue_45 Start: 37567, Stop: 38289, Start Num: 234
Candidate Starts for AnarQue_45:
(111, 37381), (Start: 234 @37567 has 15 MA's), (300, 37660), (337, 37729), (351, 37756), (355, 37762), (420, 37876), (467, 37960), (515, 38053), (532, 38083),

Gene: AndPeggy_42 Start: 33440, Stop: 32601, Start Num: 159
Candidate Starts for AndPeggy_42:
(Start: 159 @33440 has 67 MA's), (202, 33380), (Start: 233 @33344 has 66 MA's), (243, 33335), (301, 33263), (363, 33155), (391, 33101), (410, 33065), (424, 33035), (453, 32984), (466, 32963), (600, 32759), (609, 32738), (668, 32651), (679, 32633),

Gene: Angelicage_43 Start: 39868, Stop: 40602, Start Num: 200
Candidate Starts for Angelicage_43:
(Start: 159 @39811 has 67 MA's), (Start: 200 @39868 has 54 MA's), (Start: 219 @39886 has 3 MA's), (294, 39973), (311, 40000), (339, 40048), (353, 40066), (375, 40108), (424, 40186), (448, 40228), (464, 40261), (540, 40396), (567, 40435), (633, 40534), (655, 40561), (676, 40594),

Gene: Angelique_28 Start: 22797, Stop: 23417, Start Num: 273
Candidate Starts for Angelique_28:
(Start: 219 @22740 has 3 MA's), (Start: 273 @22797 has 30 MA's), (301, 22848), (347, 22929), (362, 22950), (403, 23028), (420, 23064), (434, 23100), (445, 23115), (469, 23163), (501, 23226), (560, 23307), (627, 23385), (636, 23394), (638, 23397),

Gene: Annalisa_25 Start: 21246, Stop: 22034, Start Num: 208
Candidate Starts for Annalisa_25:
(Start: 198 @21234 has 35 MA's), (Start: 208 @21246 has 15 MA's), (Start: 219 @21258 has 3 MA's), (225, 21261), (Start: 256 @21300 has 1 MA's), (Start: 258 @21303 has 1 MA's), (294, 21351), (344, 21444), (373, 21489), (374, 21492), (375, 21495), (411, 21555), (420, 21573), (425, 21585), (427, 21588), (428, 21591), (480, 21681), (518, 21768), (624, 21936), (639, 21954), (664, 21990), (678, 22014),

Gene: Antonio_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Antonio_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Apeppi_82 Start: 58457, Stop: 59287, Start Num: 235
Candidate Starts for Apeppi_82:
(Start: 201 @58415 has 9 MA's), (204, 58418), (210, 58427), (Start: 223 @58439 has 36 MA's), (Start: 235 @58457 has 4 MA's), (242, 58466), (Start: 257 @58490 has 7 MA's), (Start: 270 @58508 has 1 MA's), (302, 58565), (373, 58700), (392, 58739), (398, 58751), (414, 58784), (420, 58796), (429, 58817), (478, 58904), (493, 58931), (523, 59009), (537, 59036), (541, 59042), (553, 59057), (557, 59063), (603, 59141), (616, 59177), (672, 59267),

Gene: Apiary_20 Start: 9988, Stop: 10884, Start Num: 201
Candidate Starts for Apiary_20:
(72, 9751), (Start: 201 @9988 has 9 MA's), (259, 10066), (310, 10153), (337, 10201), (343, 10216), (389, 10294), (411, 10339), (480, 10471), (518, 10564), (527, 10579), (594, 10678), (630, 10759), (664, 10807), (688, 10852),

Gene: Apricot_27 Start: 21059, Stop: 21682, Start Num: 273
Candidate Starts for Apricot_27:
(64, 20684), (85, 20741), (96, 20786), (120, 20840), (121, 20843), (Start: 145 @20879 has 3 MA's), (162, 20924), (165, 20927), (Start: 273 @21059 has 30 MA's), (Start: 278 @21065 has 2 MA's), (293, 21095), (301, 21110), (338, 21170), (380, 21251), (403, 21290), (434, 21362), (469, 21425), (497, 21470), (501, 21488), (512, 21509), (518, 21518), (627, 21650), (636, 21659), (644, 21671),

Gene: Arataki_29 Start: 21413, Stop: 22201, Start Num: 233
Candidate Starts for Arataki_29:
(Start: 233 @21413 has 66 MA's), (282, 21488), (288, 21500), (320, 21554), (322, 21560), (348, 21605), (400, 21701), (410, 21719), (414, 21728), (419, 21737), (421, 21743), (521, 21932), (523, 21935), (530, 21950), (587, 22037), (657, 22157),

Gene: ArchiDore_29 Start: 24523, Stop: 25320, Start Num: 200
Candidate Starts for ArchiDore_29:
(67, 24259), (77, 24286), (90, 24316), (100, 24361), (106, 24373), (164, 24484), (Start: 191 @24514 has 9 MA's), (Start: 200 @24523 has 54 MA's), (Start: 219 @24538 has 3 MA's), (225, 24541), (Start: 247 @24568 has 1 MA's), (Start: 256 @24580 has 1 MA's), (267, 24595), (294, 24631), (344, 24724), (407, 24823), (411, 24835), (420, 24853), (425, 24865), (427, 24868), (428, 24871), (443, 24904), (518, 25048), (532, 25069), (624, 25216), (664, 25267), (678, 25291),

Gene: Archimedes_43 Start: 37658, Stop: 38419, Start Num: 160
Candidate Starts for Archimedes_43:
(Start: 160 @37658 has 1 MA's), (202, 37715), (225, 37739), (306, 37835), (309, 37841), (312, 37847), (345, 37895), (346, 37898), (357, 37913), (365, 37928), (382, 37964), (471, 38093), (581, 38264), (605, 38291),

Gene: Archis_26 Start: 21363, Stop: 22166, Start Num: 198
Candidate Starts for Archis_26:
(Start: 198 @21363 has 35 MA's), (Start: 247 @21411 has 1 MA's), (Start: 256 @21423 has 1 MA's), (267, 21438), (294, 21474), (344, 21567), (375, 21618), (407, 21666), (411, 21678), (420, 21696), (425, 21708), (427, 21711), (428, 21714), (491, 21822), (518, 21891), (532, 21912), (534, 21918), (637, 22074), (664, 22110), (678, 22134), (689, 22155),

Gene: Argena_30 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Argena_30:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: Arri_47 Start: 36352, Stop: 37107, Start Num: 203
Candidate Starts for Arri_47:
(152, 36274), (Start: 203 @36352 has 34 MA's), (Start: 264 @36424 has 16 MA's), (338, 36532), (372, 36577), (474, 36727), (480, 36733), (493, 36760), (511, 36808), (578, 36910), (632, 36994), (681, 37066),

Gene: ArtetaBall_31 Start: 22450, Stop: 23238, Start Num: 233
Candidate Starts for ArtetaBall_31:
(Start: 233 @22450 has 66 MA's), (282, 22525), (288, 22537), (320, 22591), (322, 22597), (348, 22642), (365, 22672), (400, 22738), (410, 22756), (416, 22768), (419, 22774), (421, 22780), (521, 22969), (523, 22972), (530, 22987), (570, 23047), (657, 23194),

Gene: Arti_19 Start: 9412, Stop: 10137, Start Num: 189
Candidate Starts for Arti_19:
(Start: 189 @9412 has 22 MA's), (216, 9436), (Start: 286 @9469 has 1 MA's), (287, 9472), (309, 9508), (316, 9523), (340, 9565), (419, 9712), (511, 9904), (576, 10006), (598, 10036), (609, 10057), (617, 10072), (659, 10132),

Gene: Artorias_27 Start: 19318, Stop: 20103, Start Num: 233
Candidate Starts for Artorias_27:
(Start: 233 @19318 has 66 MA's), (244, 19333), (Start: 263 @19363 has 12 MA's), (320, 19459), (322, 19465), (398, 19603), (416, 19636), (421, 19648), (521, 19837), (523, 19840), (570, 19915), (657, 20062),

Gene: Asapag_28 Start: 21501, Stop: 22124, Start Num: 273
Candidate Starts for Asapag_28:
(64, 21126), (85, 21183), (96, 21228), (120, 21282), (121, 21285), (Start: 145 @21321 has 3 MA's), (162, 21366), (165, 21369), (Start: 273 @21501 has 30 MA's), (Start: 278 @21507 has 2 MA's), (293, 21537), (301, 21552), (338, 21612), (377, 21687), (403, 21732), (420, 21768), (434, 21804), (469, 21867), (497, 21912), (501, 21930), (512, 21951), (524, 21972), (627, 22092), (636, 22101), (644, 22113),

Gene: Ashertheman_46 Start: 39868, Stop: 40611, Start Num: 200
Candidate Starts for Ashertheman_46:
(Start: 200 @39868 has 54 MA's), (Start: 219 @39886 has 3 MA's), (Start: 256 @39931 has 1 MA's), (294, 39976), (330, 40039), (339, 40051), (353, 40069), (375, 40111), (394, 40138), (448, 40231), (450, 40243), (520, 40363), (540, 40399), (549, 40411), (567, 40438), (590, 40471), (607, 40504), (633, 40537), (655, 40564),

Gene: Astralis_84 Start: 56776, Stop: 57627, Start Num: 223
Candidate Starts for Astralis_84:
(Start: 201 @56752 has 9 MA's), (204, 56755), (Start: 223 @56776 has 36 MA's), (Start: 235 @56797 has 4 MA's), (242, 56806), (Start: 270 @56848 has 1 MA's), (Start: 273 @56854 has 30 MA's), (299, 56899), (353, 57001), (355, 57004), (373, 57040), (378, 57052), (398, 57091), (412, 57121), (414, 57124), (420, 57136), (421, 57139), (493, 57271), (517, 57337), (521, 57346), (537, 57376), (557, 57403), (570, 57424), (603, 57481), (620, 57526), (670, 57604),

Gene: Attis_24 Start: 19791, Stop: 20498, Start Num: 232
Candidate Starts for Attis_24:
(134, 19647), (Start: 232 @19791 has 67 MA's), (279, 19848), (301, 19887), (333, 19947), (342, 19965), (343, 19968), (355, 19986), (374, 20022), (375, 20025), (393, 20058), (401, 20076), (420, 20103), (463, 20181), (501, 20250), (515, 20280), (519, 20286), (662, 20490),

Gene: Austin_52 Start: 46682, Stop: 45783, Start Num: 193
Candidate Starts for Austin_52:
(86, 46889), (106, 46823), (Start: 193 @46682 has 51 MA's), (220, 46655), (298, 46541), (301, 46535), (363, 46418), (366, 46412), (387, 46370), (419, 46310), (481, 46190), (502, 46127), (528, 46073), (539, 46052), (609, 45941),

Gene: Avazak_27 Start: 19325, Stop: 20110, Start Num: 233
Candidate Starts for Avazak_27:
(Start: 233 @19325 has 66 MA's), (244, 19340), (Start: 263 @19370 has 12 MA's), (320, 19466), (322, 19472), (398, 19610), (416, 19643), (421, 19655), (521, 19844), (523, 19847), (570, 19922), (657, 20069),

Gene: Avian_82 Start: 56928, Stop: 57779, Start Num: 223
Candidate Starts for Avian_82:
(124, 56778), (129, 56787), (139, 56802), (147, 56811), (Start: 201 @56904 has 9 MA's), (204, 56907), (Start: 223 @56928 has 36 MA's), (Start: 235 @56949 has 4 MA's), (242, 56958), (Start: 270 @57000 has 1 MA's), (Start: 273 @57006 has 30 MA's), (299, 57051), (353, 57153), (355, 57156), (373, 57192), (378, 57204), (398, 57243), (412, 57273), (414, 57276), (420, 57288), (421, 57291), (493,

57423), (517, 57489), (521, 57498), (537, 57528), (557, 57555), (570, 57576), (603, 57633), (620, 57678), (670, 57756),

Gene: Axumite_42 Start: 35273, Stop: 35995, Start Num: 234
Candidate Starts for Axumite_42:
(40, 34883), (93, 35060), (146, 35168), (Start: 234 @35273 has 15 MA's), (337, 35435), (361, 35480), (393, 35543), (401, 35561), (420, 35588), (463, 35666), (465, 35669), (501, 35738), (515, 35768), (519, 35774), (649, 35963),

Gene: Axym_44 Start: 33804, Stop: 32965, Start Num: 159
Candidate Starts for Axym_44:
(36, 34125), (41, 34101), (65, 34011), (81, 33966), (95, 33915), (118, 33864), (Start: 159 @33804 has 67 MA's), (202, 33744), (Start: 233 @33708 has 66 MA's), (301, 33627), (363, 33519), (378, 33486), (540, 33195), (668, 33015),

Gene: Azira_42 Start: 33186, Stop: 32428, Start Num: 159
Candidate Starts for Azira_42:
(Start: 159 @33186 has 67 MA's), (180, 33147), (202, 33129), (Start: 233 @33093 has 66 MA's), (Start: 255 @33078 has 2 MA's), (Start: 273 @33054 has 30 MA's), (298, 33018), (312, 32994), (342, 32940), (361, 32907), (407, 32835), (418, 32814), (476, 32754), (512, 32676), (540, 32631), (586, 32586), (664, 32472), (671, 32457),

Gene: Azula_27 Start: 21464, Stop: 22264, Start Num: 198
Candidate Starts for Azula_27:
(101, 21314), (Start: 198 @21464 has 35 MA's), (Start: 247 @21512 has 1 MA's), (Start: 256 @21524 has 1 MA's), (294, 21575), (344, 21668), (375, 21719), (410, 21776), (411, 21779), (420, 21797), (425, 21809), (427, 21812), (428, 21815), (518, 21992), (532, 22013), (534, 22019), (561, 22055), (624, 22160), (637, 22175), (639, 22178), (664, 22211), (678, 22235),

Gene: BBQValindra_26 Start: 21429, Stop: 22148, Start Num: 232
Candidate Starts for BBQValindra_26:
(183, 21372), (Start: 232 @21429 has 67 MA's), (301, 21522), (309, 21537), (333, 21582), (361, 21633), (375, 21660), (386, 21684), (420, 21738), (424, 21747), (428, 21756), (515, 21918), (519, 21924),

Gene: BENtherdunthat_28 Start: 21498, Stop: 22121, Start Num: 273
Candidate Starts for BENtherdunthat_28:
(64, 21123), (85, 21180), (96, 21225), (120, 21279), (121, 21282), (Start: 145 @21318 has 3 MA's), (162, 21363), (165, 21366), (Start: 273 @21498 has 30 MA's), (Start: 278 @21504 has 2 MA's), (293, 21534), (301, 21549), (303, 21552), (347, 21630), (380, 21690), (403, 21729), (420, 21765), (434, 21801), (469, 21864), (501, 21927), (512, 21948), (518, 21957), (524, 21969), (550, 22002), (627, 22089), (636, 22098),

Gene: BabyMoney_47 Start: 35952, Stop: 36758, Start Num: 197
Candidate Starts for BabyMoney_47:
(Start: 197 @35952 has 5 MA's), (Start: 256 @36015 has 1 MA's), (323, 36126), (461, 36393), (500, 36471), (501, 36474), (518, 36504), (521, 36510), (556, 36561), (637, 36687), (671, 36735),

Gene: BackstagePass_26 Start: 21561, Stop: 22274, Start Num: 232
Candidate Starts for BackstagePass_26:
(183, 21504), (Start: 232 @21561 has 67 MA's), (301, 21654), (309, 21669), (333, 21714), (374, 21789), (375, 21792), (386, 21816), (424, 21879), (428, 21888), (481, 21963), (511, 22038), (515, 22050), (519, 22056),

Gene: Baddon_45 Start: 40406, Stop: 41149, Start Num: 200
Candidate Starts for Baddon_45:
(Start: 200 @40406 has 54 MA's), (Start: 219 @40424 has 3 MA's), (Start: 256 @40469 has 1 MA's), (294, 40514), (330, 40577), (339, 40589), (353, 40607), (375, 40649), (394, 40676), (448, 40769), (450, 40781), (520, 40901), (540, 40937), (549, 40949), (567, 40976), (590, 41009), (607, 41042), (633, 41075), (655, 41102),

Gene: Bakery_49 Start: 37499, Stop: 38254, Start Num: 203
Candidate Starts for Bakery_49:
(79, 37256), (132, 37388), (179, 37472), (188, 37484), (Start: 203 @37499 has 34 MA's), (Start: 221 @37517 has 1 MA's), (Start: 264 @37571 has 16 MA's), (293, 37604), (294, 37607), (311, 37634), (338, 37679), (474, 37874), (480, 37880), (493, 37907), (511, 37955), (578, 38057), (632, 38141), (681, 38213), (688, 38225),

Gene: Balloona_46 Start: 35119, Stop: 34316, Start Num: 159
Candidate Starts for Balloona_46:
(118, 35179), (Start: 159 @35119 has 67 MA's), (312, 34912), (343, 34858), (357, 34837), (366, 34819), (370, 34810), (381, 34798), (391, 34783), (459, 34672), (476, 34654), (495, 34621), (549, 34519), (600, 34459), (609, 34438), (658, 34369), (680, 34330), (687, 34321),

Gene: Bantam_131 Start: 78134, Stop: 78856, Start Num: 209
Candidate Starts for Bantam_131:
(102, 77963), (163, 78083), (180, 78107), (Start: 209 @78134 has 10 MA's), (Start: 257 @78191 has 7 MA's), (320, 78287),

Gene: Barb_46 Start: 36471, Stop: 37226, Start Num: 203
Candidate Starts for Barb_46:
(188, 36456), (Start: 203 @36471 has 34 MA's), (Start: 264 @36543 has 16 MA's), (294, 36579), (338, 36651), (474, 36846), (480, 36852), (493, 36879), (511, 36927), (578, 37029), (632, 37113), (681, 37185),

Gene: Barbochs_48 Start: 45995, Stop: 45138, Start Num: 193
Candidate Starts for Barbochs_48:
(Start: 193 @45995 has 51 MA's), (220, 45971), (246, 45932), (Start: 255 @45917 has 2 MA's), (279, 45881), (301, 45842), (333, 45782), (342, 45764), (367, 45725), (385, 45689), (389, 45683), (481, 45512), (509, 45437), (520, 45407), (576, 45320), (614, 45245), (637, 45218), (679, 45158),

Gene: Barco_25 Start: 21152, Stop: 21955, Start Num: 198
Candidate Starts for Barco_25:
(Start: 198 @21152 has 35 MA's), (Start: 247 @21200 has 1 MA's), (Start: 256 @21212 has 1 MA's), (267, 21227), (294, 21263), (344, 21356), (375, 21407), (410, 21464), (411, 21467), (420, 21485), (425, 21497), (427, 21500), (428, 21503), (518, 21680), (532, 21701), (534, 21707), (637, 21863), (664, 21899), (678, 21923), (689, 21944),

Gene: Barsten_46 Start: 40023, Stop: 40757, Start Num: 200
Candidate Starts for Barsten_46:
(107, 39876), (Start: 159 @39966 has 67 MA's), (Start: 200 @40023 has 54 MA's), (Start: 219 @40041 has 3 MA's), (294, 40128), (311, 40155), (339, 40203), (353, 40221), (375, 40263), (424, 40341), (448, 40383), (464, 40416), (540, 40551), (567, 40590), (633, 40689), (655, 40716), (676, 40749),

Gene: BatStarr_25 Start: 22309, Stop: 22926, Start Num: 263
Candidate Starts for BatStarr_25:

(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: Baumdotcom_44 Start: 39257, Stop: 40000, Start Num: 200
Candidate Starts for Baumdotcom_44:
(Start: 200 @39257 has 54 MA's), (Start: 219 @39275 has 3 MA's), (Start: 256 @39320 has 1 MA's), (294, 39365), (339, 39440), (353, 39458), (375, 39500), (448, 39620), (450, 39632), (520, 39752), (540, 39788), (549, 39800), (567, 39827), (590, 39860), (607, 39893), (633, 39926), (655, 39953),

Gene: Bavilard_46 Start: 34976, Stop: 34173, Start Num: 159
Candidate Starts for Bavilard_46:
(118, 35036), (Start: 159 @34976 has 67 MA's), (180, 34934), (312, 34769), (357, 34694), (366, 34676), (370, 34667), (391, 34640), (459, 34529), (476, 34511), (495, 34478), (549, 34376), (552, 34373), (609, 34295), (610, 34292), (658, 34226), (680, 34187), (687, 34178),

Gene: BaxterFox_25 Start: 21503, Stop: 22126, Start Num: 264
Candidate Starts for BaxterFox_25:
(120, 21299), (121, 21302), (162, 21383), (177, 21404), (Start: 264 @21503 has 16 MA's), (Start: 278 @21512 has 2 MA's), (301, 21557), (309, 21569), (338, 21617), (347, 21638), (377, 21692), (403, 21737), (420, 21773), (421, 21776), (445, 21824), (469, 21872), (501, 21935), (518, 21965), (560, 22019), (627, 22097),

Gene: BearBQ_27 Start: 22338, Stop: 22961, Start Num: 273
Candidate Starts for BearBQ_27:
(64, 21963), (85, 22020), (96, 22065), (120, 22119), (121, 22122), (Start: 145 @22158 has 3 MA's), (162, 22203), (165, 22206), (Start: 273 @22338 has 30 MA's), (Start: 278 @22344 has 2 MA's), (293, 22374), (301, 22389), (338, 22449), (377, 22524), (403, 22569), (420, 22605), (434, 22641), (469, 22704), (501, 22767), (512, 22788), (518, 22797), (562, 22854), (627, 22929), (636, 22938),

Gene: Beaver_53 Start: 47765, Stop: 46908, Start Num: 193
Candidate Starts for Beaver_53:
(Start: 193 @47765 has 51 MA's), (220, 47741), (246, 47702), (Start: 255 @47687 has 2 MA's), (279, 47651), (301, 47612), (333, 47552), (342, 47534), (367, 47495), (385, 47459), (389, 47453), (481, 47282), (509, 47207), (520, 47177), (576, 47090), (614, 47015), (637, 46988), (679, 46928),

Gene: BeeGee_26 Start: 21791, Stop: 22411, Start Num: 257
Candidate Starts for BeeGee_26:
(Start: 257 @21791 has 7 MA's), (Start: 278 @21797 has 2 MA's), (301, 21842), (320, 21878), (347, 21923), (377, 21977), (403, 22022), (434, 22094), (469, 22157), (501, 22220), (560, 22301), (627, 22379), (636, 22388), (638, 22391),

Gene: Beenie_25 Start: 21603, Stop: 22391, Start Num: 208
Candidate Starts for Beenie_25:
(Start: 198 @21591 has 35 MA's), (Start: 208 @21603 has 15 MA's), (Start: 219 @21615 has 3 MA's), (225, 21618), (Start: 247 @21645 has 1 MA's), (Start: 256 @21657 has 1 MA's), (294, 21708), (344, 21801), (373, 21846), (374, 21849), (375, 21852), (411, 21912), (420, 21930), (425, 21942), (427, 21945), (428, 21948), (480, 22038), (518, 22125), (540, 22161), (639, 22311), (664, 22347), (678, 22371),

Gene: Begonia_26 Start: 21633, Stop: 22436, Start Num: 198
Candidate Starts for Begonia_26:

(Start: 198 @21633 has 35 MA's), (Start: 247 @21681 has 1 MA's), (Start: 256 @21693 has 1 MA's), (267, 21708), (294, 21744), (344, 21837), (375, 21888), (410, 21945), (411, 21948), (420, 21966), (425, 21978), (427, 21981), (428, 21984), (518, 22161), (532, 22182), (534, 22188), (637, 22344), (664, 22380), (678, 22404), (689, 22425),

Gene: Belphegor_45 Start: 40390, Stop: 41112, Start Num: 205
Candidate Starts for Belphegor_45:
(149, 40306), (Start: 205 @40390 has 17 MA's), (225, 40405), (Start: 255 @40444 has 2 MA's), (294, 40495), (339, 40558), (472, 40777), (514, 40861), (518, 40864), (567, 40939), (662, 41077), (674, 41098),

Gene: Benczkowski14_44 Start: 46742, Stop: 45915, Start Num: 193
Candidate Starts for Benczkowski14_44:
(Start: 193 @46742 has 51 MA's), (220, 46715), (Start: 263 @46649 has 12 MA's), (321, 46556), (439, 46343), (501, 46214), (528, 46157), (604, 46034), (622, 45995), (645, 45971), (648, 45965),

Gene: BenoitCattle_51 Start: 46512, Stop: 45652, Start Num: 193
Candidate Starts for BenoitCattle_51:
(Start: 193 @46512 has 51 MA's), (220, 46488), (Start: 255 @46434 has 2 MA's), (279, 46398), (301, 46359), (333, 46299), (342, 46281), (367, 46242), (385, 46206), (389, 46200), (481, 46029), (509, 45954), (520, 45924), (576, 45837), (614, 45762), (637, 45735), (675, 45681), (679, 45675),

Gene: Beted_31 Start: 23245, Stop: 23943, Start Num: 229
Candidate Starts for Beted_31:
(Start: 217 @23227 has 6 MA's), (Start: 229 @23245 has 14 MA's), (285, 23308), (305, 23344), (347, 23416), (362, 23437), (377, 23470), (395, 23500), (397, 23503), (408, 23524), (410, 23530), (412, 23536), (422, 23557), (480, 23662), (486, 23671), (512, 23740), (514, 23746), (538, 23782), (550, 23794), (598, 23833), (654, 23923), (663, 23935), (665, 23938),

Gene: BetterYeti_30 Start: 22097, Stop: 22885, Start Num: 233
Candidate Starts for BetterYeti_30:
(Start: 233 @22097 has 66 MA's), (Start: 263 @22142 has 12 MA's), (288, 22184), (320, 22238), (421, 22427), (521, 22616), (523, 22619), (570, 22694), (657, 22841),

Gene: BiPauneto_20 Start: 7795, Stop: 8589, Start Num: 145
Candidate Starts for BiPauneto_20:
(Start: 145 @7795 has 3 MA's), (Start: 286 @7909 has 1 MA's), (287, 7912), (293, 7924), (340, 8005), (419, 8155), (429, 8179), (445, 8212), (511, 8344), (588, 8470), (609, 8506), (644, 8560),

Gene: Bialota_25 Start: 22321, Stop: 22938, Start Num: 263
Candidate Starts for Bialota_25:
(177, 22222), (Start: 215 @22261 has 4 MA's), (239, 22294), (Start: 263 @22321 has 12 MA's), (Start: 278 @22330 has 2 MA's), (301, 22372), (309, 22384), (338, 22432), (347, 22453), (362, 22474), (377, 22507), (403, 22552), (420, 22588), (445, 22639), (501, 22750), (518, 22780), (560, 22831), (627, 22909),

Gene: Bibwit_44 Start: 38980, Stop: 39714, Start Num: 200
Candidate Starts for Bibwit_44:
(Start: 189 @38971 has 22 MA's), (196, 38977), (Start: 200 @38980 has 54 MA's), (Start: 219 @38998 has 3 MA's), (294, 39085), (311, 39112), (339, 39160), (353, 39178), (375, 39220), (424, 39298), (448, 39340), (464, 39373), (540, 39508), (567, 39547), (633, 39646), (655, 39673), (676, 39706),

Gene: BigChungus_46 Start: 35108, Stop: 34305, Start Num: 159

Candidate Starts for BigChungus_46:
(118, 35168), (Start: 159 @35108 has 67 MA's), (312, 34901), (343, 34847), (348, 34838), (357, 34826), (370, 34799), (381, 34787), (391, 34772), (459, 34661), (476, 34643), (495, 34610), (549, 34508), (552, 34505), (600, 34448), (609, 34427), (658, 34358), (680, 34319), (687, 34310),

Gene: BigHunkinEater_49 Start: 39924, Stop: 40649, Start Num: 205
Candidate Starts for BigHunkinEater_49:
(127, 39813), (Start: 205 @39924 has 17 MA's), (294, 40029), (339, 40089), (353, 40107), (375, 40149), (414, 40206), (425, 40230), (457, 40296), (518, 40395), (540, 40431), (561, 40458), (633, 40569), (660, 40605),

Gene: BigShaq_50 Start: 46517, Stop: 45657, Start Num: 193
Candidate Starts for BigShaq_50:
(Start: 193 @46517 has 51 MA's), (220, 46493), (Start: 255 @46439 has 2 MA's), (279, 46403), (301, 46364), (333, 46304), (342, 46286), (367, 46247), (385, 46211), (389, 46205), (481, 46034), (509, 45959), (520, 45929), (576, 45842), (614, 45767), (637, 45740), (675, 45686), (679, 45680),

Gene: BiggityBass_42 Start: 37537, Stop: 38262, Start Num: 232
Candidate Starts for BiggityBass_42:
(Start: 232 @37537 has 67 MA's), (333, 37696), (337, 37702), (348, 37726), (361, 37747), (369, 37762), (388, 37804), (401, 37828), (421, 37858), (475, 37942), (501, 38005), (515, 38035), (647, 38227),

Gene: BillDoor_45 Start: 33112, Stop: 32273, Start Num: 159
Candidate Starts for BillDoor_45:
(Start: 159 @33112 has 67 MA's), (202, 33052), (Start: 233 @33016 has 66 MA's), (243, 33007), (301, 32935), (363, 32827), (391, 32773), (410, 32737), (424, 32707), (453, 32656), (466, 32635), (600, 32431), (609, 32410), (668, 32323),

Gene: BillyBobJr_55 Start: 48051, Stop: 47221, Start Num: 220
Candidate Starts for BillyBobJr_55:
(66, 48342), (75, 48318), (Start: 193 @48075 has 51 MA's), (220, 48051), (Start: 255 @47997 has 2 MA's), (301, 47922), (333, 47862), (342, 47844), (360, 47820), (367, 47805), (385, 47769), (389, 47763), (481, 47595), (499, 47544), (500, 47538), (509, 47520), (576, 47403), (614, 47328), (637, 47301), (643, 47292), (679, 47241),

Gene: Birdsong_27 Start: 21231, Stop: 21854, Start Num: 273
Candidate Starts for Birdsong_27:
(64, 20856), (85, 20913), (96, 20958), (120, 21012), (121, 21015), (Start: 145 @21051 has 3 MA's), (162, 21096), (165, 21099), (Start: 273 @21231 has 30 MA's), (Start: 278 @21237 has 2 MA's), (293, 21267), (301, 21282), (338, 21342), (377, 21417), (403, 21462), (420, 21498), (434, 21534), (469, 21597), (501, 21660), (512, 21681), (518, 21690), (562, 21747), (627, 21822), (636, 21831),

Gene: BirksAndSocks_54 Start: 48115, Stop: 47258, Start Num: 193
Candidate Starts for BirksAndSocks_54:
(Start: 193 @48115 has 51 MA's), (220, 48091), (246, 48052), (Start: 255 @48037 has 2 MA's), (279, 48001), (301, 47962), (333, 47902), (342, 47884), (367, 47845), (385, 47809), (389, 47803), (481, 47632), (509, 47557), (520, 47527), (576, 47440), (614, 47365), (637, 47338), (679, 47278),

Gene: BirthdayBoy_89 Start: 59230, Stop: 60081, Start Num: 223
Candidate Starts for BirthdayBoy_89:
(Start: 201 @59206 has 9 MA's), (204, 59209), (210, 59218), (Start: 223 @59230 has 36 MA's), (Start: 227 @59239 has 1 MA's), (242, 59260), (Start: 270 @59302 has 1 MA's), (Start: 273 @59308 has 30

MA's), (299, 59353), (355, 59458), (360, 59467), (373, 59494), (378, 59506), (398, 59545), (493, 59725), (521, 59800), (537, 59830), (570, 59878), (572, 59881), (603, 59935), (620, 59980), (670, 60058),

Gene: Biskit_48 Start: 34069, Stop: 33221, Start Num: 159
Candidate Starts for Biskit_48:
(118, 34129), (Start: 159 @34069 has 67 MA's), (Start: 233 @33973 has 66 MA's), (243, 33964), (312, 33874), (363, 33784), (391, 33733), (397, 33724), (409, 33700), (424, 33667), (448, 33634), (466, 33595), (610, 33367), (614, 33358), (668, 33283), (673, 33274),

Gene: Bizzy_46 Start: 39563, Stop: 40306, Start Num: 200
Candidate Starts for Bizzy_46:
(Start: 200 @39563 has 54 MA's), (Start: 219 @39581 has 3 MA's), (Start: 256 @39626 has 1 MA's), (294, 39671), (339, 39746), (353, 39764), (375, 39806), (448, 39926), (450, 39938), (520, 40058), (540, 40094), (549, 40106), (567, 40133), (590, 40166), (607, 40199), (633, 40232), (655, 40259),

Gene: Bjanes7_24 Start: 19791, Stop: 20498, Start Num: 232
Candidate Starts for Bjanes7_24:
(134, 19647), (Start: 232 @19791 has 67 MA's), (279, 19848), (301, 19887), (333, 19947), (342, 19965), (343, 19968), (355, 19986), (374, 20022), (375, 20025), (393, 20058), (401, 20076), (420, 20103), (463, 20181), (501, 20250), (515, 20280), (519, 20286), (662, 20490),

Gene: Blackpen_45 Start: 36985, Stop: 37707, Start Num: 234
Candidate Starts for Blackpen_45:
(111, 36799), (Start: 234 @36985 has 15 MA's), (300, 37078), (337, 37147), (351, 37174), (355, 37180), (404, 37270), (467, 37378), (484, 37390), (501, 37441), (515, 37471), (532, 37501), (540, 37516),

Gene: Blanky_30 Start: 23303, Stop: 24088, Start Num: 233
Candidate Starts for Blanky_30:
(Start: 233 @23303 has 66 MA's), (320, 23444), (323, 23453), (400, 23591), (410, 23609), (414, 23618), (419, 23627), (421, 23633), (460, 23717), (493, 23765), (521, 23822), (523, 23825), (530, 23840), (570, 23900), (589, 23930),

Gene: BlingBling_25 Start: 21152, Stop: 21955, Start Num: 198
Candidate Starts for BlingBling_25:
(Start: 198 @21152 has 35 MA's), (Start: 247 @21200 has 1 MA's), (Start: 256 @21212 has 1 MA's), (267, 21227), (294, 21263), (344, 21356), (375, 21407), (410, 21464), (411, 21467), (420, 21485), (425, 21497), (427, 21500), (428, 21503), (518, 21680), (532, 21701), (534, 21707), (637, 21863), (664, 21899), (678, 21923), (689, 21944),

Gene: Blino_26 Start: 21252, Stop: 22046, Start Num: 195
Candidate Starts for Blino_26:
(34, 20859), (62, 20988), (98, 21099), (109, 21126), (127, 21162), (Start: 195 @21252 has 10 MA's), (Start: 247 @21294 has 1 MA's), (Start: 256 @21306 has 1 MA's), (294, 21357), (344, 21450), (357, 21462), (374, 21498), (375, 21501), (407, 21549), (410, 21558), (411, 21561), (420, 21579), (425, 21591), (427, 21594), (428, 21597), (518, 21774), (532, 21795), (534, 21801), (561, 21837), (664, 21993), (678, 22017), (689, 22035),

Gene: Blondies_49 Start: 34386, Stop: 33538, Start Num: 159
Candidate Starts for Blondies_49:
(118, 34446), (Start: 159 @34386 has 67 MA's), (Start: 233 @34290 has 66 MA's), (243, 34281), (312, 34191), (363, 34101), (365, 34098), (391, 34050), (397, 34041), (409, 34017), (424, 33984), (448,

33951), (466, 33912), (610, 33684), (614, 33675), (668, 33600), (673, 33591),

Gene: Blueberry_27 Start: 21464, Stop: 22264, Start Num: 198
Candidate Starts for Blueberry_27:
(101, 21314), (Start: 198 @21464 has 35 MA's), (Start: 247 @21512 has 1 MA's), (Start: 256 @21524 has 1 MA's), (294, 21575), (344, 21668), (375, 21719), (410, 21776), (411, 21779), (420, 21797), (425, 21809), (427, 21812), (428, 21815), (518, 21992), (532, 22013), (534, 22019), (561, 22055), (624, 22160), (637, 22175), (639, 22178), (664, 22211), (678, 22235),

Gene: BluerMoon_30 Start: 22314, Stop: 23105, Start Num: 233
Candidate Starts for BluerMoon_30:
(Start: 233 @22314 has 66 MA's), (Start: 263 @22359 has 12 MA's), (282, 22389), (288, 22401), (320, 22455), (421, 22644), (521, 22833), (523, 22836), (570, 22911),

Gene: BobBob_43 Start: 39142, Stop: 39876, Start Num: 200
Candidate Starts for BobBob_43:
(107, 38995), (Start: 159 @39085 has 67 MA's), (Start: 200 @39142 has 54 MA's), (Start: 219 @39160 has 3 MA's), (294, 39247), (311, 39274), (339, 39322), (353, 39340), (375, 39382), (424, 39460), (448, 39502), (464, 39535), (540, 39670), (567, 39709), (633, 39808), (655, 39835), (676, 39868),

Gene: BobRoss2024_41 Start: 35281, Stop: 36009, Start Num: 234
Candidate Starts for BobRoss2024_41:
(9, 34177), (11, 34186), (25, 34699), (33, 34804), (151, 35155), (Start: 234 @35281 has 15 MA's), (343, 35455), (401, 35560), (515, 35779), (519, 35785), (540, 35824), (667, 36004),

Gene: Boneham_53 Start: 48016, Stop: 47162, Start Num: 193
Candidate Starts for Boneham_53:
(66, 48283), (75, 48259), (Start: 193 @48016 has 51 MA's), (220, 47992), (Start: 255 @47938 has 2 MA's), (301, 47863), (333, 47803), (342, 47785), (360, 47761), (367, 47746), (385, 47710), (389, 47704), (481, 47536), (499, 47485), (500, 47479), (509, 47461), (576, 47344), (614, 47269), (637, 47242), (643, 47233), (679, 47182),

Gene: Bonum_21 Start: 9448, Stop: 10239, Start Num: 191
Candidate Starts for Bonum_21:
(Start: 191 @9448 has 9 MA's), (230, 9493), (275, 9556), (282, 9568), (Start: 286 @9574 has 1 MA's), (293, 9589), (309, 9613), (314, 9622), (340, 9670), (362, 9706), (419, 9817), (428, 9838), (436, 9859), (598, 10144), (609, 10165), (612, 10174), (617, 10180), (640, 10213),

Gene: Bosnia_25 Start: 22309, Stop: 22926, Start Num: 263
Candidate Starts for Bosnia_25:
(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: BotCity_28 Start: 21499, Stop: 22122, Start Num: 273
Candidate Starts for BotCity_28:
(64, 21124), (85, 21181), (96, 21226), (120, 21280), (121, 21283), (Start: 145 @21319 has 3 MA's), (162, 21364), (165, 21367), (Start: 273 @21499 has 30 MA's), (Start: 278 @21505 has 2 MA's), (293, 21535), (301, 21550), (303, 21553), (347, 21631), (380, 21691), (403, 21730), (420, 21766), (434, 21802), (469, 21865), (501, 21928), (512, 21949), (518, 21958), (524, 21970), (550, 22003), (627, 22090), (636, 22099),

Gene: Bowser_26 Start: 21340, Stop: 22053, Start Num: 232
Candidate Starts for Bowser_26:
(183, 21283), (Start: 232 @21340 has 67 MA's), (287, 21406), (301, 21433), (309, 21448), (324, 21484), (333, 21493), (361, 21544), (375, 21571), (386, 21595), (424, 21658), (428, 21667), (458, 21724), (481, 21742), (511, 21817), (515, 21829), (519, 21835), (609, 21970),

Gene: BoyNamedSue_26 Start: 22182, Stop: 22802, Start Num: 264
Candidate Starts for BoyNamedSue_26:
(60, 21807), (120, 21978), (121, 21981), (162, 22062), (177, 22083), (Start: 264 @22182 has 16 MA's), (Start: 278 @22191 has 2 MA's), (301, 22236), (347, 22317), (377, 22371), (403, 22416), (420, 22452), (445, 22503), (469, 22551), (501, 22614), (518, 22644), (560, 22695), (627, 22773),

Gene: Bradissa_27 Start: 22057, Stop: 22773, Start Num: 232
Candidate Starts for Bradissa_27:
(Start: 211 @22030 has 1 MA's), (Start: 214 @22033 has 1 MA's), (Start: 232 @22057 has 67 MA's), (Start: 247 @22075 has 1 MA's), (287, 22129), (333, 22213), (355, 22252), (374, 22288), (386, 22315), (420, 22369), (428, 22387), (486, 22480), (515, 22558), (519, 22564), (647, 22741), (660, 22759),

Gene: Brandonk123_47 Start: 40277, Stop: 41011, Start Num: 200
Candidate Starts for Brandonk123_47:
(107, 40130), (Start: 159 @40220 has 67 MA's), (Start: 200 @40277 has 54 MA's), (Start: 219 @40295 has 3 MA's), (294, 40382), (311, 40409), (339, 40457), (353, 40475), (375, 40517), (424, 40595), (448, 40637), (540, 40805), (567, 40844), (633, 40943), (655, 40970), (676, 41003),

Gene: Brawn1_42 Start: 39350, Stop: 40084, Start Num: 200
Candidate Starts for Brawn1_42:
(Start: 159 @39293 has 67 MA's), (Start: 200 @39350 has 54 MA's), (Start: 219 @39368 has 3 MA's), (294, 39455), (311, 39482), (339, 39530), (353, 39548), (375, 39590), (424, 39668), (448, 39710), (464, 39743), (540, 39878), (567, 39917), (633, 40016), (655, 40043), (676, 40076),

Gene: Braxoaddie_20 Start: 9976, Stop: 10872, Start Num: 201
Candidate Starts for Braxoaddie_20:
(72, 9739), (Start: 201 @9976 has 9 MA's), (259, 10054), (310, 10141), (337, 10189), (343, 10204), (389, 10282), (411, 10327), (480, 10459), (518, 10552), (527, 10567), (594, 10666), (630, 10747), (664, 10795), (688, 10840),

Gene: Breezic_49 Start: 46008, Stop: 45151, Start Num: 193
Candidate Starts for Breezic_49:
(Start: 193 @46008 has 51 MA's), (220, 45984), (246, 45945), (Start: 255 @45930 has 2 MA's), (279, 45894), (301, 45855), (321, 45816), (333, 45795), (342, 45777), (367, 45738), (385, 45702), (389, 45696), (481, 45525), (509, 45450), (520, 45420), (576, 45333), (614, 45258), (637, 45231), (679, 45171),

Gene: BritBrat_27 Start: 21883, Stop: 22626, Start Num: 211
Candidate Starts for BritBrat_27:
(Start: 211 @21883 has 1 MA's), (Start: 214 @21886 has 1 MA's), (Start: 232 @21910 has 67 MA's), (Start: 247 @21928 has 1 MA's), (287, 21982), (333, 22066), (355, 22105), (374, 22141), (386, 22168), (420, 22222), (428, 22240), (486, 22333), (515, 22411), (519, 22417), (647, 22594), (660, 22612),

Gene: Bubble_43 Start: 33494, Stop: 32655, Start Num: 159
Candidate Starts for Bubble_43:
(36, 33815), (41, 33791), (43, 33788), (55, 33743), (65, 33701), (81, 33656), (118, 33554), (Start: 159 @33494 has 67 MA's), (202, 33434), (Start: 229 @33404 has 14 MA's), (Start: 233 @33398 has 66

MA's), (301, 33317), (363, 33209), (378, 33176), (395, 33149), (540, 32885), (664, 32714), (668, 32705),

Gene: Budski_28 Start: 21606, Stop: 22229, Start Num: 273
Candidate Starts for Budski_28:
(64, 21231), (85, 21288), (96, 21333), (120, 21387), (121, 21390), (Start: 145 @21426 has 3 MA's), (162, 21471), (165, 21474), (Start: 273 @21606 has 30 MA's), (Start: 278 @21612 has 2 MA's), (293, 21642), (301, 21657), (338, 21717), (380, 21798), (403, 21837), (434, 21909), (469, 21972), (497, 22017), (501, 22035), (512, 22056), (518, 22065), (627, 22197), (636, 22206), (644, 22218),

Gene: Bugg_28 Start: 19361, Stop: 20146, Start Num: 233
Candidate Starts for Bugg_28:
(Start: 233 @19361 has 66 MA's), (Start: 263 @19406 has 12 MA's), (320, 19502), (322, 19508), (398, 19646), (416, 19679), (421, 19691), (521, 19880), (523, 19883), (570, 19958), (657, 20105),

Gene: Buggaboo_20 Start: 8964, Stop: 9755, Start Num: 191
Candidate Starts for Buggaboo_20:
(Start: 191 @8964 has 9 MA's), (204, 8973), (230, 9009), (275, 9072), (Start: 286 @9090 has 1 MA's), (293, 9105), (309, 9129), (314, 9138), (340, 9186), (362, 9222), (419, 9333), (436, 9375), (598, 9660), (609, 9681), (612, 9690), (617, 9696), (640, 9729),

Gene: Bunker_26 Start: 21542, Stop: 22261, Start Num: 232
Candidate Starts for Bunker_26:
(100, 21332), (114, 21362), (183, 21485), (Start: 232 @21542 has 67 MA's), (301, 21635), (309, 21650), (333, 21695), (361, 21746), (375, 21773), (386, 21797), (424, 21860), (428, 21869), (515, 22031), (519, 22037),

Gene: Bunnybear_24 Start: 22229, Stop: 23020, Start Num: 198
Candidate Starts for Bunnybear_24:
(Start: 198 @22229 has 35 MA's), (Start: 247 @22277 has 1 MA's), (Start: 256 @22289 has 1 MA's), (294, 22340), (344, 22433), (375, 22484), (406, 22529), (407, 22532), (411, 22544), (428, 22580), (518, 22757), (532, 22778), (561, 22820), (664, 22976),

Gene: Burley_30 Start: 22058, Stop: 22846, Start Num: 233
Candidate Starts for Burley_30:
(Start: 233 @22058 has 66 MA's), (Start: 263 @22103 has 12 MA's), (282, 22133), (288, 22145), (320, 22199), (348, 22250), (400, 22346), (410, 22364), (416, 22376), (419, 22382), (421, 22388), (521, 22577), (523, 22580), (570, 22655), (657, 22802),

Gene: Burnsey_45 Start: 33898, Stop: 33059, Start Num: 159
Candidate Starts for Burnsey_45:
(36, 34219), (41, 34195), (43, 34192), (55, 34147), (65, 34105), (81, 34060), (118, 33958), (Start: 159 @33898 has 67 MA's), (202, 33838), (Start: 229 @33808 has 14 MA's), (Start: 233 @33802 has 66 MA's), (301, 33721), (363, 33613), (378, 33580), (395, 33553), (540, 33289), (664, 33118), (668, 33109),

Gene: Butterball_53 Start: 48021, Stop: 47167, Start Num: 193
Candidate Starts for Butterball_53:
(66, 48288), (75, 48264), (Start: 193 @48021 has 51 MA's), (220, 47997), (Start: 255 @47943 has 2 MA's), (301, 47868), (333, 47808), (342, 47790), (360, 47766), (367, 47751), (385, 47715), (389, 47709), (481, 47541), (499, 47490), (500, 47484), (509, 47466), (576, 47349), (614, 47274), (637, 47247), (643, 47238), (679, 47187),

Gene: Button_48 Start: 34069, Stop: 33221, Start Num: 125
Candidate Starts for Button_48:
(119, 34084), (Start: 125 @34069 has 9 MA's), (135, 34054), (171, 34000), (174, 33994), (Start: 191 @33979 has 9 MA's), (Start: 233 @33934 has 66 MA's), (243, 33925), (Start: 255 @33919 has 2 MA's), (276, 33892), (324, 33805), (336, 33793), (337, 33790), (348, 33766), (374, 33718), (385, 33697), (409, 33655), (415, 33643), (424, 33625), (453, 33586), (507, 33484), (543, 33430), (552, 33418), (653, 33280),

Gene: Buttrmlkdreams_48 Start: 34516, Stop: 33668, Start Num: 159
Candidate Starts for Buttrmlkdreams_48:
(118, 34576), (Start: 159 @34516 has 67 MA's), (Start: 233 @34420 has 66 MA's), (243, 34411), (312, 34321), (363, 34231), (365, 34228), (391, 34180), (397, 34171), (409, 34147), (424, 34114), (448, 34081), (466, 34042), (610, 33814), (614, 33805), (668, 33730), (673, 33721),

Gene: CWormy_30 Start: 21758, Stop: 22546, Start Num: 233
Candidate Starts for CWormy_30:
(Start: 233 @21758 has 66 MA's), (Start: 263 @21803 has 12 MA's), (282, 21833), (288, 21845), (320, 21899), (322, 21905), (348, 21950), (400, 22046), (410, 22064), (414, 22073), (421, 22088), (521, 22277), (523, 22280), (570, 22355), (657, 22502),

Gene: Cafasso_33 Start: 27845, Stop: 28597, Start Num: 217
Candidate Starts for Cafasso_33:
(Start: 217 @27845 has 6 MA's), (Start: 256 @27896 has 1 MA's), (375, 28073), (435, 28172), (486, 28232), (518, 28310), (561, 28373), (597, 28436), (611, 28463), (682, 28565),

Gene: CaiB_45 Start: 37553, Stop: 38275, Start Num: 234
Candidate Starts for CaiB_45:
(111, 37367), (Start: 234 @37553 has 15 MA's), (300, 37646), (337, 37715), (351, 37742), (355, 37748), (420, 37862), (467, 37946), (515, 38039), (532, 38069),

Gene: Camerico_44 Start: 44895, Stop: 45653, Start Num: 235
Candidate Starts for Camerico_44:
(231, 44889), (Start: 235 @44895 has 4 MA's), (276, 44952), (352, 45090), (364, 45111), (373, 45126), (375, 45132), (378, 45138), (429, 45228), (512, 45387), (545, 45450), (548, 45456), (589, 45513), (610, 45555), (640, 45603),

Gene: CanesSauce_44 Start: 33613, Stop: 32774, Start Num: 159
Candidate Starts for CanesSauce_44:
(Start: 159 @33613 has 67 MA's), (202, 33553), (Start: 233 @33517 has 66 MA's), (243, 33508), (301, 33436), (363, 33328), (391, 33274), (410, 33238), (424, 33208), (453, 33157), (466, 33136), (600, 32932), (609, 32911), (668, 32824), (679, 32806),

Gene: CaptainKirk2_25 Start: 21173, Stop: 21976, Start Num: 198
Candidate Starts for CaptainKirk2_25:
(Start: 198 @21173 has 35 MA's), (Start: 247 @21221 has 1 MA's), (Start: 256 @21233 has 1 MA's), (267, 21248), (294, 21284), (344, 21377), (375, 21428), (410, 21485), (411, 21488), (420, 21506), (425, 21518), (427, 21521), (428, 21524), (518, 21701), (532, 21722), (534, 21728), (637, 21884), (664, 21920), (678, 21944), (689, 21965),

Gene: Captrips_27 Start: 19354, Stop: 20139, Start Num: 233
Candidate Starts for Captrips_27:
(Start: 233 @19354 has 66 MA's), (Start: 263 @19399 has 12 MA's), (320, 19495), (322, 19501), (398, 19639), (416, 19672), (421, 19684), (521, 19873), (523, 19876), (570, 19951), (657, 20098),

Gene: Capybara_27 Start: 19428, Stop: 20213, Start Num: 233
Candidate Starts for Capybara_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: CaramelLatte_44 Start: 33613, Stop: 32774, Start Num: 159
Candidate Starts for CaramelLatte_44:
(Start: 159 @33613 has 67 MA's), (202, 33553), (Start: 233 @33517 has 66 MA's), (243, 33508), (301, 33436), (363, 33328), (391, 33274), (410, 33238), (424, 33208), (453, 33157), (466, 33136), (600, 32932), (609, 32911), (668, 32824), (679, 32806),

Gene: CarolAnn_26 Start: 21251, Stop: 22045, Start Num: 195
Candidate Starts for CarolAnn_26:
(34, 20858), (62, 20987), (98, 21098), (109, 21125), (127, 21161), (Start: 195 @21251 has 10 MA's), (Start: 247 @21293 has 1 MA's), (Start: 256 @21305 has 1 MA's), (294, 21356), (344, 21449), (357, 21461), (374, 21497), (375, 21500), (407, 21548), (410, 21557), (411, 21560), (420, 21578), (425, 21590), (427, 21593), (428, 21596), (518, 21773), (532, 21794), (534, 21800), (561, 21836), (664, 21992), (678, 22016), (689, 22034),

Gene: Carsonalex_48 Start: 33866, Stop: 33027, Start Num: 159
Candidate Starts for Carsonalex_48:
(36, 34187), (41, 34163), (43, 34160), (65, 34073), (81, 34028), (118, 33926), (Start: 159 @33866 has 67 MA's), (202, 33806), (Start: 233 @33770 has 66 MA's), (301, 33689), (363, 33581), (378, 33548), (540, 33257), (664, 33086), (668, 33077),

Gene: Cashline_26 Start: 21658, Stop: 22278, Start Num: 257
Candidate Starts for Cashline_26:
(Start: 257 @21658 has 7 MA's), (Start: 278 @21664 has 2 MA's), (293, 21694), (301, 21709), (320, 21745), (347, 21790), (377, 21844), (403, 21889), (434, 21961), (445, 21976), (469, 22024), (490, 22045), (501, 22087), (560, 22168), (627, 22246), (636, 22255), (638, 22258),

Gene: CathyBurgh_49 Start: 46585, Stop: 45728, Start Num: 193
Candidate Starts for CathyBurgh_49:
(Start: 193 @46585 has 51 MA's), (220, 46561), (246, 46522), (Start: 255 @46507 has 2 MA's), (279, 46471), (301, 46432), (333, 46372), (342, 46354), (367, 46315), (385, 46279), (389, 46273), (481, 46102), (509, 46027), (520, 45997), (576, 45910), (614, 45835), (637, 45808), (679, 45748),

Gene: ChadMasterC_46 Start: 41422, Stop: 42156, Start Num: 200
Candidate Starts for ChadMasterC_46:
(107, 41275), (Start: 159 @41365 has 67 MA's), (Start: 200 @41422 has 54 MA's), (Start: 219 @41440 has 3 MA's), (294, 41527), (311, 41554), (339, 41602), (353, 41620), (375, 41662), (424, 41740), (448, 41782), (464, 41815), (540, 41950), (567, 41989), (633, 42088), (655, 42115), (676, 42148),

Gene: CharlottesWeb_42 Start: 35092, Stop: 35814, Start Num: 234
Candidate Starts for CharlottesWeb_42:
(25, 34510), (Start: 234 @35092 has 15 MA's), (333, 35248), (337, 35254), (361, 35299), (393, 35362), (397, 35371), (401, 35380), (420, 35407), (421, 35410), (501, 35557), (515, 35587), (519, 35593), (599, 35704), (610, 35728), (647, 35779), (658, 35794),

Gene: Charminar_83 Start: 56436, Stop: 57287, Start Num: 223
Candidate Starts for Charminar_83:

(112, 56259), (124, 56286), (129, 56295), (139, 56310), (147, 56319), (Start: 201 @56412 has 9 MA's), (204, 56415), (210, 56424), (Start: 223 @56436 has 36 MA's), (Start: 227 @56445 has 1 MA's), (Start: 235 @56457 has 4 MA's), (242, 56466), (Start: 270 @56508 has 1 MA's), (Start: 273 @56514 has 30 MA's), (299, 56559), (353, 56661), (355, 56664), (373, 56700), (378, 56712), (398, 56751), (412, 56781), (414, 56784), (420, 56796), (421, 56799), (493, 56931), (517, 56997), (521, 57006), (537, 57036), (557, 57063), (570, 57084), (603, 57141), (620, 57186), (670, 57264),

Gene: Charming_46 Start: 39778, Stop: 40512, Start Num: 200
Candidate Starts for Charming_46:
(107, 39631), (Start: 159 @39721 has 67 MA's), (Start: 200 @39778 has 54 MA's), (Start: 219 @39796 has 3 MA's), (294, 39883), (311, 39910), (339, 39958), (353, 39976), (375, 40018), (424, 40096), (448, 40138), (464, 40171), (540, 40306), (567, 40345), (633, 40444), (655, 40471), (676, 40504),

Gene: CheeseSpider_28 Start: 21718, Stop: 22512, Start Num: 198
Candidate Starts for CheeseSpider_28:
(Start: 198 @21718 has 35 MA's), (Start: 247 @21766 has 1 MA's), (Start: 256 @21778 has 1 MA's), (294, 21829), (344, 21922), (375, 21973), (410, 22030), (411, 22033), (420, 22051), (425, 22063), (427, 22066), (428, 22069), (518, 22246), (532, 22267), (664, 22465), (678, 22489),

Gene: CheeseTouch_28 Start: 21492, Stop: 22115, Start Num: 273
Candidate Starts for CheeseTouch_28:
(64, 21117), (85, 21174), (96, 21219), (120, 21273), (121, 21276), (Start: 145 @21312 has 3 MA's), (162, 21357), (165, 21360), (Start: 273 @21492 has 30 MA's), (Start: 278 @21498 has 2 MA's), (293, 21528), (301, 21543), (338, 21603), (380, 21684), (403, 21723), (434, 21795), (469, 21858), (497, 21903), (501, 21921), (512, 21942), (518, 21951), (627, 22083), (636, 22092), (644, 22104),

Gene: Chelms_50 Start: 46517, Stop: 45657, Start Num: 193
Candidate Starts for Chelms_50:
(Start: 193 @46517 has 51 MA's), (220, 46493), (Start: 255 @46439 has 2 MA's), (279, 46403), (301, 46364), (333, 46304), (342, 46286), (367, 46247), (385, 46211), (389, 46205), (481, 46034), (509, 45959), (520, 45929), (576, 45842), (614, 45767), (637, 45740), (675, 45686), (679, 45680),

Gene: CherryCola_46 Start: 37125, Stop: 37880, Start Num: 203
Candidate Starts for CherryCola_46:
(152, 37047), (Start: 203 @37125 has 34 MA's), (Start: 264 @37197 has 16 MA's), (338, 37305), (372, 37350), (474, 37500), (480, 37506), (493, 37533), (511, 37581), (578, 37683), (632, 37767), (681, 37839),

Gene: CherryonLim_48 Start: 36692, Stop: 35889, Start Num: 159
Candidate Starts for CherryonLim_48:
(118, 36752), (Start: 159 @36692 has 67 MA's), (Start: 217 @36614 has 6 MA's), (312, 36485), (343, 36431), (366, 36392), (381, 36371), (476, 36227), (495, 36194), (552, 36089), (609, 36011), (658, 35942), (664, 35933), (680, 35903), (687, 35894),

Gene: Chickadee_57 Start: 43696, Stop: 44475, Start Num: 159
Candidate Starts for Chickadee_57:
(87, 43534), (107, 43600), (113, 43615), (Start: 159 @43696 has 67 MA's), (167, 43717), (Start: 235 @43795 has 4 MA's), (Start: 255 @43810 has 2 MA's), (290, 43855), (345, 43945), (365, 43978), (453, 44110), (476, 44137), (507, 44206), (540, 44260), (586, 44308), (668, 44431), (685, 44461),

Gene: ChickenTender_47 Start: 33458, Stop: 32601, Start Num: 159
Candidate Starts for ChickenTender_47:

(118, 33518), (Start: 159 @33458 has 67 MA's), (202, 33398), (Start: 229 @33368 has 14 MA's), (Start: 233 @33362 has 66 MA's), (312, 33263), (363, 33173), (366, 33167), (378, 33140), (395, 33113), (526, 32852), (656, 32672), (664, 32660), (668, 32651),

Gene: ChickyNuggy_28 Start: 19066, Stop: 19851, Start Num: 233
Candidate Starts for ChickyNuggy_28:
(Start: 233 @19066 has 66 MA's), (Start: 263 @19111 has 12 MA's), (320, 19207), (322, 19213), (398, 19351), (416, 19384), (421, 19396), (521, 19585), (523, 19588), (570, 19663), (657, 19810),

Gene: Chidiebere_31 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Chidiebere_31:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: Chikenjars_30 Start: 22310, Stop: 23098, Start Num: 233
Candidate Starts for Chikenjars_30:
(Start: 233 @22310 has 66 MA's), (Start: 263 @22355 has 12 MA's), (282, 22385), (288, 22397), (320, 22451), (400, 22598), (419, 22634), (421, 22640), (521, 22829), (523, 22832), (559, 22889), (570, 22907), (587, 22934), (657, 23054),

Gene: Chipko_27 Start: 22550, Stop: 23251, Start Num: 232
Candidate Starts for Chipko_27:
(37, 22118), (38, 22121), (48, 22157), (52, 22178), (59, 22205), (63, 22217), (76, 22259), (115, 22367), (Start: 232 @22550 has 67 MA's), (250, 22568), (301, 22643), (309, 22658), (348, 22733), (361, 22754), (373, 22775), (386, 22805), (401, 22832), (420, 22859), (424, 22868), (428, 22877), (486, 22958), (515, 23036), (519, 23042), (653, 23228),

Gene: ChisanaKitsune_27 Start: 20220, Stop: 20918, Start Num: 229
Candidate Starts for ChisanaKitsune_27:
(139, 20082), (144, 20088), (156, 20109), (Start: 160 @20121 has 1 MA's), (176, 20154), (184, 20166), (Start: 229 @20220 has 14 MA's), (285, 20283), (347, 20391), (362, 20412), (377, 20445), (395, 20475), (397, 20478), (408, 20499), (410, 20505), (412, 20511), (422, 20532), (480, 20637), (486, 20646), (512, 20715), (514, 20721), (538, 20757), (550, 20769), (598, 20808), (654, 20898), (663, 20910), (665, 20913),

Gene: ChocoMunchkin_44 Start: 33613, Stop: 32774, Start Num: 159
Candidate Starts for ChocoMunchkin_44:
(Start: 159 @33613 has 67 MA's), (202, 33553), (Start: 233 @33517 has 66 MA's), (243, 33508), (301, 33436), (363, 33328), (391, 33274), (410, 33238), (424, 33208), (453, 33157), (466, 33136), (600, 32932), (609, 32911), (668, 32824), (679, 32806),

Gene: CinnamonToast_55 Start: 48051, Stop: 47221, Start Num: 220
Candidate Starts for CinnamonToast_55:
(66, 48342), (75, 48318), (Start: 193 @48075 has 51 MA's), (220, 48051), (Start: 255 @47997 has 2 MA's), (301, 47922), (333, 47862), (342, 47844), (360, 47820), (367, 47805), (385, 47769), (389, 47763), (481, 47595), (499, 47544), (500, 47538), (509, 47520), (576, 47403), (614, 47328), (637, 47301), (643, 47292), (679, 47241),

Gene: Citrus_29 Start: 22314, Stop: 23102, Start Num: 233
Candidate Starts for Citrus_29:

(Start: 233 @22314 has 66 MA's), (Start: 263 @22359 has 12 MA's), (282, 22389), (320, 22455), (400, 22602), (419, 22638), (421, 22644), (521, 22833), (523, 22836), (559, 22893), (570, 22911), (587, 22938), (657, 23058),

Gene: ClamChowder_46 Start: 36471, Stop: 37226, Start Num: 203
Candidate Starts for ClamChowder_46:
(188, 36456), (Start: 203 @36471 has 34 MA's), (Start: 264 @36543 has 16 MA's), (294, 36579), (338, 36651), (474, 36846), (480, 36852), (493, 36879), (511, 36927), (578, 37029), (632, 37113), (681, 37185),

Gene: Clap_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Clap_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Clark_25 Start: 21234, Stop: 22034, Start Num: 198
Candidate Starts for Clark_25:
(Start: 198 @21234 has 35 MA's), (Start: 208 @21246 has 15 MA's), (Start: 219 @21258 has 3 MA's), (225, 21261), (Start: 247 @21288 has 1 MA's), (Start: 256 @21300 has 1 MA's), (294, 21351), (344, 21444), (373, 21489), (374, 21492), (375, 21495), (411, 21555), (420, 21573), (425, 21585), (427, 21588), (428, 21591), (480, 21681), (518, 21768), (664, 21990), (678, 22014),

Gene: Cleo_40 Start: 32906, Stop: 32142, Start Num: 159
Candidate Starts for Cleo_40:
(150, 32921), (Start: 159 @32906 has 67 MA's), (180, 32867), (Start: 233 @32813 has 66 MA's), (Start: 255 @32795 has 2 MA's), (Start: 273 @32771 has 30 MA's), (342, 32657), (370, 32606), (407, 32552), (418, 32531), (512, 32390), (534, 32354), (552, 32333), (609, 32261), (614, 32249), (664, 32186), (671, 32171), (673, 32168), (679, 32159), (680, 32156),

Gene: CloverMinnie_45 Start: 37493, Stop: 38215, Start Num: 234
Candidate Starts for CloverMinnie_45:
(111, 37307), (Start: 234 @37493 has 15 MA's), (300, 37586), (337, 37655), (351, 37682), (355, 37688), (404, 37778), (467, 37886), (484, 37898), (501, 37949), (515, 37979), (532, 38009), (540, 38024),

Gene: Clown_50 Start: 38569, Stop: 39336, Start Num: 206
Candidate Starts for Clown_50:
(Start: 206 @38569 has 2 MA's), (Start: 221 @38584 has 1 MA's), (Start: 229 @38593 has 14 MA's), (Start: 255 @38626 has 2 MA's), (Start: 264 @38638 has 16 MA's), (272, 38647), (292, 38668), (311, 38701), (330, 38737), (338, 38746), (357, 38767), (374, 38800), (427, 38881), (428, 38884), (457, 38932), (474, 38941), (493, 38974), (501, 39004), (511, 39022), (532, 39055), (543, 39073), (549, 39082), (585, 39139), (613, 39187), (619, 39193), (679, 39289),

Gene: Coco2012_42 Start: 35086, Stop: 35808, Start Num: 234
Candidate Starts for Coco2012_42:
(3, 33664), (4, 33736), (5, 33787), (10, 33979), (13, 34204), (25, 34507), (Start: 234 @35086 has 15 MA's), (333, 35242), (337, 35248), (361, 35293), (373, 35317), (393, 35356), (397, 35365), (401, 35374), (420, 35401), (421, 35404), (501, 35551), (515, 35581), (519, 35587), (599, 35698), (610, 35722), (647, 35773), (658, 35788),

Gene: CocoaPuff_47 Start: 35113, Stop: 34310, Start Num: 159
Candidate Starts for CocoaPuff_47:

(118, 35173), (Start: 159 @35113 has 67 MA's), (202, 35053), (312, 34906), (343, 34852), (357, 34831), (366, 34813), (370, 34804), (381, 34792), (391, 34777), (459, 34666), (476, 34648), (495, 34615), (549, 34513), (600, 34453), (609, 34432), (658, 34363), (680, 34324), (687, 34315),

Gene: CoffeeBean_20 Start: 9913, Stop: 10809, Start Num: 201
Candidate Starts for CoffeeBean_20:
(Start: 201 @9913 has 9 MA's), (259, 9991), (310, 10078), (337, 10126), (343, 10141), (389, 10219), (411, 10264), (480, 10396), (518, 10489), (527, 10504), (594, 10603), (630, 10684), (664, 10732), (688, 10777),

Gene: Colossa_101 Start: 54396, Stop: 55136, Start Num: 206
Candidate Starts for Colossa_101:
(170, 54351), (Start: 206 @54396 has 2 MA's), (Start: 255 @54453 has 2 MA's), (Start: 263 @54465 has 12 MA's), (271, 54474), (Start: 273 @54477 has 30 MA's), (294, 54501), (311, 54528), (355, 54582), (375, 54618), (425, 54693), (446, 54735), (451, 54744), (480, 54774), (488, 54786), (620, 55020), (651, 55050),

Gene: Commandaria_20 Start: 9068, Stop: 9796, Start Num: 189
Candidate Starts for Commandaria_20:
(Start: 189 @9068 has 22 MA's), (Start: 286 @9125 has 1 MA's), (303, 9158), (316, 9179), (340, 9221), (490, 9497), (504, 9545), (512, 9560), (609, 9707), (634, 9749),

Gene: Confidence_26 Start: 21821, Stop: 22441, Start Num: 257
Candidate Starts for Confidence_26:
(Start: 257 @21821 has 7 MA's), (Start: 278 @21827 has 2 MA's), (301, 21872), (320, 21908), (347, 21953), (377, 22007), (403, 22052), (434, 22124), (469, 22187), (501, 22250), (560, 22331), (627, 22409), (636, 22418), (638, 22421),

Gene: Conley_28 Start: 20413, Stop: 21198, Start Num: 233
Candidate Starts for Conley_28:
(Start: 233 @20413 has 66 MA's), (288, 20500), (293, 20509), (311, 20536), (320, 20554), (322, 20560), (323, 20563), (398, 20698), (416, 20731), (421, 20743), (521, 20932), (523, 20935), (570, 21010), (579, 21028), (657, 21157),

Gene: Coriander_27 Start: 22534, Stop: 23235, Start Num: 232
Candidate Starts for Coriander_27:
(Start: 232 @22534 has 67 MA's), (301, 22627), (309, 22642), (333, 22687), (348, 22717), (374, 22762), (386, 22789), (388, 22792), (420, 22843), (428, 22861), (486, 22942), (515, 23020), (519, 23026), (543, 23068), (549, 23077), (609, 23149), (653, 23212),

Gene: CoveyB_47 Start: 36170, Stop: 36925, Start Num: 203
Candidate Starts for CoveyB_47:
(152, 36092), (Start: 203 @36170 has 34 MA's), (Start: 264 @36242 has 16 MA's), (338, 36350), (372, 36395), (474, 36545), (480, 36551), (493, 36578), (511, 36626), (578, 36728), (632, 36812), (681, 36884),

Gene: Cozz_43 Start: 33495, Stop: 32656, Start Num: 159
Candidate Starts for Cozz_43:
(36, 33816), (41, 33792), (43, 33789), (65, 33702), (81, 33657), (95, 33606), (118, 33555), (Start: 159 @33495 has 67 MA's), (202, 33435), (Start: 229 @33405 has 14 MA's), (Start: 233 @33399 has 66 MA's), (301, 33318), (363, 33210), (540, 32886), (664, 32715), (668, 32706),

Gene: Crater_26 Start: 21059, Stop: 21682, Start Num: 273

Candidate Starts for Crater_26:
(64, 20684), (85, 20741), (96, 20786), (120, 20840), (121, 20843), (Start: 145 @20879 has 3 MA's), (162, 20924), (165, 20927), (Start: 273 @21059 has 30 MA's), (Start: 278 @21065 has 2 MA's), (293, 21095), (301, 21110), (338, 21170), (380, 21251), (403, 21290), (434, 21362), (469, 21425), (497, 21470), (501, 21488), (512, 21509), (518, 21518), (627, 21650), (636, 21659), (644, 21671),

Gene: Crete_51 Start: 46783, Stop: 45923, Start Num: 193
Candidate Starts for Crete_51:
(Start: 193 @46783 has 51 MA's), (220, 46759), (Start: 255 @46705 has 2 MA's), (279, 46669), (301, 46630), (333, 46570), (342, 46552), (367, 46513), (385, 46477), (389, 46471), (481, 46300), (509, 46225), (520, 46195), (576, 46108), (614, 46033), (637, 46006), (675, 45952), (679, 45946),

Gene: Crocheter_30 Start: 22450, Stop: 23238, Start Num: 233
Candidate Starts for Crocheter_30:
(Start: 233 @22450 has 66 MA's), (Start: 263 @22495 has 12 MA's), (282, 22525), (288, 22537), (320, 22591), (322, 22597), (348, 22642), (400, 22738), (410, 22756), (414, 22765), (421, 22780), (521, 22969), (523, 22972), (530, 22987), (570, 23047), (587, 23074), (657, 23194),

Gene: Cuke_31 Start: 27339, Stop: 28265, Start Num: 172
Candidate Starts for Cuke_31:
(Start: 172 @27339 has 3 MA's), (185, 27360), (Start: 215 @27393 has 4 MA's), (243, 27432), (252, 27444), (269, 27471), (284, 27498), (296, 27519), (328, 27579), (342, 27597), (359, 27627), (405, 27717), (412, 27732), (421, 27750), (449, 27816), (494, 27897), (535, 27984), (545, 27996), (565, 28023),

Gene: Cynthia_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Cynthia_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Dakiti_51 Start: 47385, Stop: 46525, Start Num: 193
Candidate Starts for Dakiti_51:
(Start: 193 @47385 has 51 MA's), (220, 47361), (Start: 255 @47307 has 2 MA's), (279, 47271), (301, 47232), (333, 47172), (342, 47154), (367, 47115), (385, 47079), (389, 47073), (481, 46902), (509, 46827), (520, 46797), (576, 46710), (614, 46635), (637, 46608), (675, 46554), (679, 46548),

Gene: DalanDe_26 Start: 21686, Stop: 22381, Start Num: 229
Candidate Starts for DalanDe_26:
(Start: 229 @21686 has 14 MA's), (285, 21746), (312, 21791), (347, 21854), (362, 21875), (377, 21908), (397, 21941), (445, 22040), (463, 22076), (480, 22100), (486, 22109), (501, 22157), (507, 22169), (512, 22178), (538, 22220), (598, 22271), (652, 22358),

Gene: Dalilpop_23 Start: 10164, Stop: 10931, Start Num: 189
Candidate Starts for Dalilpop_23:
(Start: 189 @10164 has 22 MA's), (Start: 207 @10179 has 7 MA's), (248, 10233), (Start: 286 @10269 has 1 MA's), (287, 10272), (316, 10323), (340, 10365), (454, 10593), (482, 10629), (528, 10731), (606, 10842), (609, 10848), (640, 10896), (644, 10902),

Gene: Dancer_27 Start: 19054, Stop: 19839, Start Num: 233
Candidate Starts for Dancer_27:
(Start: 233 @19054 has 66 MA's), (Start: 263 @19099 has 12 MA's), (320, 19195), (322, 19201), (398, 19339), (416, 19372), (421, 19384), (521, 19573), (523, 19576), (570, 19651), (657, 19798),

Gene: Danyall_46 Start: 36172, Stop: 36927, Start Num: 203
Candidate Starts for Danyall_46:
(140, 36076), (Start: 203 @36172 has 34 MA's), (Start: 264 @36244 has 16 MA's), (294, 36280), (338, 36352), (352, 36367), (474, 36547), (480, 36553), (493, 36580), (578, 36730), (632, 36814), (681, 36886),

Gene: Daredevil_123 Start: 74384, Stop: 75109, Start Num: 203
Candidate Starts for Daredevil_123:
(Start: 203 @74384 has 34 MA's), (401, 74663), (433, 74720), (520, 74885), (556, 74936), (565, 74948), (595, 74984), (646, 75047),

Gene: DatBoi_128 Start: 77112, Stop: 77834, Start Num: 209
Candidate Starts for DatBoi_128:
(108, 76950), (117, 76968), (138, 77007), (163, 77061), (Start: 209 @77112 has 10 MA's), (Start: 257 @77169 has 7 MA's), (320, 77268), (374, 77346),

Gene: DaviePasture_87 Start: 58761, Stop: 59612, Start Num: 223
Candidate Starts for DaviePasture_87:
(Start: 201 @58737 has 9 MA's), (204, 58740), (Start: 223 @58761 has 36 MA's), (Start: 227 @58770 has 1 MA's), (242, 58791), (Start: 270 @58833 has 1 MA's), (Start: 273 @58839 has 30 MA's), (355, 58989), (360, 58998), (373, 59025), (378, 59037), (398, 59076), (493, 59256), (517, 59322), (521, 59331), (537, 59361), (557, 59388), (572, 59412), (603, 59466), (620, 59511), (629, 59523), (670, 59589),

Gene: DearBasketball_53 Start: 33868, Stop: 34722, Start Num: 168
Candidate Starts for DearBasketball_53:
(Start: 168 @33868 has 7 MA's), (303, 34051), (422, 34249), (434, 34282), (486, 34375), (518, 34453), (583, 34564), (586, 34567), (591, 34573), (609, 34609), (623, 34636), (676, 34711),

Gene: Delian_25 Start: 21173, Stop: 21976, Start Num: 198
Candidate Starts for Delian_25:
(Start: 198 @21173 has 35 MA's), (Start: 247 @21221 has 1 MA's), (Start: 256 @21233 has 1 MA's), (267, 21248), (294, 21284), (344, 21377), (375, 21428), (410, 21485), (411, 21488), (420, 21506), (425, 21518), (427, 21521), (428, 21524), (518, 21701), (532, 21722), (534, 21728), (637, 21884), (664, 21920), (678, 21944), (689, 21965),

Gene: Delrey21_46 Start: 41437, Stop: 42174, Start Num: 190
Candidate Starts for Delrey21_46:
(20, 40798), (28, 40969), (31, 41011), (59, 41152), (181, 41428), (Start: 190 @41437 has 4 MA's), (196, 41443), (Start: 205 @41452 has 17 MA's), (283, 41536), (294, 41557), (300, 41566), (330, 41605), (339, 41617), (353, 41635), (375, 41677), (422, 41749), (425, 41755), (499, 41881), (518, 41920), (532, 41941), (540, 41956), (561, 41983), (660, 42130),

Gene: Demosthenes_43 Start: 46429, Stop: 45593, Start Num: 193
Candidate Starts for Demosthenes_43:
(Start: 193 @46429 has 51 MA's), (220, 46399), (Start: 263 @46333 has 12 MA's), (321, 46240), (501, 45898), (528, 45841), (533, 45829), (604, 45718), (622, 45679), (645, 45655), (648, 45649),

Gene: Demure_29 Start: 21413, Stop: 22201, Start Num: 233
Candidate Starts for Demure_29:
(Start: 233 @21413 has 66 MA's), (282, 21488), (288, 21500), (320, 21554), (322, 21560), (348, 21605), (400, 21701), (410, 21719), (414, 21728), (419, 21737), (421, 21743), (521, 21932), (523,

21935), (530, 21950), (587, 22037), (657, 22157),

Gene: Denise_22 Start: 18886, Stop: 19509, Start Num: 270
Candidate Starts for Denise_22:
(Start: 270 @18886 has 1 MA's), (Start: 278 @18892 has 2 MA's), (293, 18922), (301, 18937), (338, 18997), (347, 19018), (362, 19039), (434, 19189), (469, 19252), (501, 19315), (512, 19336), (518, 19345), (627, 19477), (634, 19483), (644, 19498), (646, 19501),

Gene: Derg_41 Start: 39155, Stop: 39898, Start Num: 200
Candidate Starts for Derg_41:
(Start: 200 @39155 has 54 MA's), (Start: 219 @39173 has 3 MA's), (Start: 256 @39218 has 1 MA's), (294, 39263), (339, 39338), (353, 39356), (375, 39398), (448, 39518), (450, 39530), (520, 39650), (540, 39686), (549, 39698), (567, 39725), (590, 39758), (607, 39791), (633, 39824), (655, 39851),

Gene: Dexdert_58 Start: 44000, Stop: 44779, Start Num: 159
Candidate Starts for Dexdert_58:
(87, 43838), (107, 43904), (113, 43919), (Start: 159 @44000 has 67 MA's), (167, 44021), (Start: 235 @44099 has 4 MA's), (Start: 255 @44114 has 2 MA's), (290, 44159), (345, 44249), (365, 44282), (419, 44375), (476, 44441), (507, 44510), (540, 44564), (586, 44612), (685, 44765),

Gene: Diabla_53 Start: 47946, Stop: 47092, Start Num: 193
Candidate Starts for Diabla_53:
(Start: 193 @47946 has 51 MA's), (220, 47922), (Start: 255 @47868 has 2 MA's), (301, 47790), (342, 47712), (348, 47700), (385, 47637), (389, 47631), (408, 47607), (410, 47601), (481, 47466), (509, 47391), (533, 47337),

Gene: Dialga_31 Start: 22472, Stop: 23260, Start Num: 233
Candidate Starts for Dialga_31:
(Start: 233 @22472 has 66 MA's), (Start: 263 @22517 has 12 MA's), (282, 22547), (288, 22559), (320, 22613), (322, 22619), (348, 22664), (400, 22760), (410, 22778), (414, 22787), (421, 22802), (521, 22991), (523, 22994), (530, 23009), (570, 23069), (587, 23096), (657, 23216),

Gene: Dillpickles_28 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Dillpickles_28:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: DinoNuggs_51 Start: 33537, Stop: 34391, Start Num: 168
Candidate Starts for DinoNuggs_51:
(Start: 168 @33537 has 7 MA's), (303, 33720), (422, 33918), (434, 33951), (486, 34044), (518, 34122), (583, 34233), (586, 34236), (591, 34242), (609, 34278), (623, 34305), (676, 34380),

Gene: DirtyBoi_28 Start: 22441, Stop: 23142, Start Num: 232
Candidate Starts for DirtyBoi_28:
(Start: 232 @22441 has 67 MA's), (250, 22459), (301, 22534), (309, 22549), (348, 22624), (386, 22696), (401, 22723), (420, 22750), (424, 22759), (428, 22768), (483, 22843), (486, 22849), (515, 22927), (519, 22933), (609, 23056), (653, 23119),

Gene: Dmitri_27 Start: 22590, Stop: 23291, Start Num: 232
Candidate Starts for Dmitri_27:
(37, 22158), (38, 22161), (48, 22197), (52, 22218), (59, 22245), (63, 22257), (76, 22299), (115, 22407), (Start: 232 @22590 has 67 MA's), (250, 22608), (301, 22683), (309, 22698), (348, 22773), (361,

22794), (373, 22815), (386, 22845), (401, 22872), (420, 22899), (424, 22908), (428, 22917), (486, 22998), (501, 23046), (515, 23076), (519, 23082), (653, 23268),

Gene: DobbysSock_24 Start: 20720, Stop: 21508, Start Num: 208
Candidate Starts for DobbysSock_24:
(Start: 198 @20708 has 35 MA's), (Start: 208 @20720 has 15 MA's), (Start: 219 @20732 has 3 MA's), (225, 20735), (Start: 247 @20762 has 1 MA's), (Start: 256 @20774 has 1 MA's), (294, 20825), (344, 20918), (373, 20963), (374, 20966), (375, 20969), (411, 21029), (420, 21047), (425, 21059), (427, 21062), (428, 21065), (480, 21155), (518, 21242), (624, 21410), (639, 21428), (664, 21464), (678, 21488),

Gene: DocB7_038 Start: 38440, Stop: 37679, Start Num: 266
Candidate Starts for DocB7_038:
(179, 38557), (187, 38545), (Start: 211 @38518 has 1 MA's), (266, 38440), (308, 38365), (323, 38329), (327, 38320), (393, 38203), (403, 38182), (410, 38167), (421, 38143), (500, 37975), (512, 37951), (514, 37945), (520, 37936), (536, 37906), (563, 37870), (582, 37834), (637, 37729), (643, 37720), (664, 37690),

Gene: DoctorFroggo_46 Start: 41437, Stop: 42174, Start Num: 190
Candidate Starts for DoctorFroggo_46:
(20, 40798), (28, 40969), (31, 41011), (59, 41152), (181, 41428), (Start: 190 @41437 has 4 MA's), (196, 41443), (Start: 205 @41452 has 17 MA's), (283, 41536), (294, 41557), (300, 41566), (330, 41605), (339, 41617), (353, 41635), (375, 41677), (422, 41749), (425, 41755), (499, 41881), (518, 41920), (532, 41941), (540, 41956), (561, 41983), (660, 42130),

Gene: Dogfish_46 Start: 35376, Stop: 36182, Start Num: 197
Candidate Starts for Dogfish_46:
(Start: 197 @35376 has 5 MA's), (Start: 256 @35439 has 1 MA's), (333, 35562), (461, 35817), (501, 35898), (505, 35907), (518, 35928), (521, 35934), (556, 35985), (593, 36039), (624, 36096), (637, 36111), (671, 36159),

Gene: Doggs_26 Start: 22233, Stop: 22934, Start Num: 232
Candidate Starts for Doggs_26:
(Start: 232 @22233 has 67 MA's), (301, 22326), (309, 22341), (333, 22386), (348, 22416), (374, 22461), (386, 22488), (388, 22491), (420, 22542), (428, 22560), (486, 22641), (515, 22719), (519, 22725), (543, 22767), (549, 22776), (609, 22848), (653, 22911),

Gene: Dolores_25 Start: 21222, Stop: 22010, Start Num: 208
Candidate Starts for Dolores_25:
(Start: 198 @21210 has 35 MA's), (Start: 208 @21222 has 15 MA's), (Start: 219 @21234 has 3 MA's), (225, 21237), (Start: 247 @21264 has 1 MA's), (Start: 256 @21276 has 1 MA's), (294, 21327), (344, 21420), (373, 21465), (374, 21468), (375, 21471), (411, 21531), (420, 21549), (425, 21561), (427, 21564), (428, 21567), (480, 21657), (518, 21744), (664, 21966), (678, 21990),

Gene: DonkeyMan_50 Start: 33281, Stop: 34132, Start Num: 168
Candidate Starts for DonkeyMan_50:
(149, 33245), (153, 33251), (Start: 168 @33281 has 7 MA's), (303, 33464), (422, 33662), (434, 33695), (474, 33770), (486, 33785), (518, 33863), (583, 33974), (586, 33977), (591, 33983), (609, 34019), (623, 34046), (676, 34121),

Gene: DoobyDoo_86 Start: 57557, Stop: 58408, Start Num: 223
Candidate Starts for DoobyDoo_86:

(112, 57380), (124, 57407), (129, 57416), (139, 57431), (147, 57440), (Start: 201 @57533 has 9 MA's), (204, 57536), (Start: 223 @57557 has 36 MA's), (Start: 227 @57566 has 1 MA's), (242, 57587), (Start: 270 @57629 has 1 MA's), (Start: 273 @57635 has 30 MA's), (299, 57680), (355, 57785), (360, 57794), (373, 57821), (378, 57833), (398, 57872), (493, 58052), (517, 58118), (521, 58127), (537, 58157), (557, 58184), (572, 58208), (603, 58262), (620, 58307), (629, 58319), (670, 58385),

Gene: Dorin_11 Start: 5894, Stop: 5211, Start Num: 251
Candidate Starts for Dorin_11:
(Start: 251 @5894 has 2 MA's), (Start: 254 @5888 has 4 MA's), (262, 5876), (287, 5840), (294, 5825), (301, 5816), (411, 5615), (420, 5597), (434, 5561), (452, 5531), (521, 5417), (531, 5399), (571, 5348), (575, 5339), (589, 5318), (596, 5306), (602, 5297), (635, 5237),

Gene: Dorito_24 Start: 20676, Stop: 21473, Start Num: 198
Candidate Starts for Dorito_24:
(106, 20526), (Start: 198 @20676 has 35 MA's), (Start: 207 @20685 has 7 MA's), (Start: 219 @20697 has 3 MA's), (225, 20700), (Start: 247 @20727 has 1 MA's), (Start: 256 @20739 has 1 MA's), (294, 20790), (344, 20883), (373, 20928), (374, 20931), (375, 20934), (376, 20937), (411, 20994), (420, 21012), (427, 21027), (428, 21030), (470, 21108), (480, 21120), (493, 21147), (518, 21207), (540, 21243), (624, 21375), (639, 21393), (664, 21429), (684, 21465),

Gene: Dre3_41 Start: 32649, Stop: 31885, Start Num: 159
Candidate Starts for Dre3_41:
(150, 32664), (Start: 159 @32649 has 67 MA's), (180, 32610), (Start: 233 @32556 has 66 MA's), (Start: 255 @32538 has 2 MA's), (Start: 273 @32514 has 30 MA's), (301, 32472), (342, 32400), (370, 32349), (407, 32295), (418, 32274), (476, 32211), (512, 32133), (534, 32097), (552, 32076), (609, 32004), (614, 31992), (664, 31929), (671, 31914), (673, 31911), (679, 31902), (680, 31899),

Gene: Duffington_30 Start: 22295, Stop: 23083, Start Num: 233
Candidate Starts for Duffington_30:
(Start: 233 @22295 has 66 MA's), (Start: 263 @22340 has 12 MA's), (282, 22370), (288, 22382), (320, 22436), (400, 22583), (414, 22610), (421, 22625), (460, 22709), (521, 22814), (523, 22817), (570, 22892), (657, 23039),

Gene: DumpTruck_89 Start: 58754, Stop: 59617, Start Num: 207
Candidate Starts for DumpTruck_89:
(Start: 195 @58742 has 10 MA's), (Start: 207 @58754 has 7 MA's), (222, 58772), (Start: 235 @58784 has 4 MA's), (242, 58793), (Start: 270 @58835 has 1 MA's), (329, 58943), (373, 59024), (378, 59036), (429, 59141), (436, 59162), (439, 59168), (442, 59171), (493, 59255), (544, 59369), (557, 59387), (570, 59408), (610, 59483), (640, 59540),

Gene: DumpsterDude_29 Start: 25886, Stop: 26689, Start Num: 191
Candidate Starts for DumpsterDude_29:
(Start: 191 @25886 has 9 MA's), (Start: 219 @25907 has 3 MA's), (Start: 247 @25937 has 1 MA's), (Start: 256 @25949 has 1 MA's), (267, 25964), (294, 26000), (344, 26093), (375, 26144), (407, 26192), (411, 26204), (420, 26222), (425, 26234), (427, 26237), (428, 26240), (443, 26273), (518, 26417), (532, 26438), (558, 26477), (624, 26585), (664, 26636), (678, 26660),

Gene: E3_gp167 Start: 114768, Stop: 115532, Start Num: 215
Candidate Starts for E3_gp167:
(103, 114585), (Start: 215 @114768 has 4 MA's), (Start: 256 @114828 has 1 MA's), (261, 114837), (284, 114873), (326, 114954), (332, 114960), (354, 114996), (423, 115125), (426, 115131), (440, 115164), (443, 115170), (492, 115248), (493, 115254), (609, 115467),

Gene: E3_gp85 Start: 47322, Stop: 46429, Start Num: 122
Candidate Starts for E3_gp85:
(122, 47322), (131, 47307), (136, 47298), (162, 47247), (174, 47229), (185, 47214), (Start: 206 @47193 has 2 MA's), (281, 47088), (Start: 286 @47079 has 1 MA's), (300, 47052), (318, 47022), (326, 47007), (335, 46998), (350, 46974), (358, 46962), (415, 46857), (430, 46830), (437, 46815), (443, 46803), (455, 46785), (494, 46728), (519, 46668), (571, 46587), (617, 46500), (638, 46470), (652, 46449),

Gene: EMoore_42 Start: 39517, Stop: 40245, Start Num: 199
Candidate Starts for EMoore_42:
(Start: 193 @39511 has 51 MA's), (Start: 199 @39517 has 1 MA's), (Start: 255 @39574 has 2 MA's), (288, 39613), (294, 39625), (339, 39685), (424, 39820), (425, 39823), (468, 39898), (486, 39913), (518, 39991), (549, 40039), (567, 40066), (606, 40129), (662, 40204), (669, 40219),

Gene: EMsquaredA_27 Start: 21910, Stop: 22626, Start Num: 232
Candidate Starts for EMsquaredA_27:
(Start: 211 @21883 has 1 MA's), (Start: 214 @21886 has 1 MA's), (Start: 232 @21910 has 67 MA's), (Start: 247 @21928 has 1 MA's), (287, 21982), (333, 22066), (355, 22105), (374, 22141), (386, 22168), (420, 22222), (428, 22240), (486, 22333), (515, 22411), (519, 22417), (647, 22594), (660, 22612),

Gene: Easley_25 Start: 21244, Stop: 22020, Start Num: 219
Candidate Starts for Easley_25:
(Start: 198 @21220 has 35 MA's), (Start: 208 @21232 has 15 MA's), (Start: 219 @21244 has 3 MA's), (225, 21247), (Start: 247 @21274 has 1 MA's), (Start: 256 @21286 has 1 MA's), (294, 21337), (344, 21430), (373, 21475), (374, 21478), (375, 21481), (411, 21541), (420, 21559), (425, 21571), (427, 21574), (428, 21577), (480, 21667), (518, 21754), (664, 21976), (678, 22000),

Gene: Ebert_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Ebert_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Ecliptus_31 Start: 23080, Stop: 23703, Start Num: 273
Candidate Starts for Ecliptus_31:
(Start: 273 @23080 has 30 MA's), (Start: 278 @23086 has 2 MA's), (293, 23116), (301, 23131), (403, 23311), (434, 23383), (460, 23434), (469, 23446), (497, 23491), (501, 23509), (512, 23530), (518, 23539), (627, 23671),

Gene: Eddiemania_31 Start: 22956, Stop: 23744, Start Num: 233
Candidate Starts for Eddiemania_31:
(Start: 233 @22956 has 66 MA's), (Start: 263 @23001 has 12 MA's), (282, 23031), (288, 23043), (320, 23097), (348, 23148), (400, 23244), (421, 23286), (521, 23475), (523, 23478), (570, 23553), (657, 23700),

Gene: EdnaMode_23 Start: 18707, Stop: 19408, Start Num: 232
Candidate Starts for EdnaMode_23:
(220, 18689), (Start: 223 @18692 has 36 MA's), (Start: 232 @18707 has 67 MA's), (301, 18800), (309, 18815), (324, 18851), (373, 18932), (388, 18965), (393, 18971), (420, 19016), (439, 19055), (515, 19193), (519, 19199), (532, 19223), (540, 19238), (662, 19400),

Gene: Eggsie_48 Start: 45908, Stop: 45054, Start Num: 193
Candidate Starts for Eggsie_48:

(Start: 193 @45908 has 51 MA's), (220, 45884), (Start: 255 @45830 has 2 MA's), (Start: 263 @45818 has 12 MA's), (301, 45752), (342, 45674), (367, 45635), (385, 45599), (389, 45593), (394, 45584), (481, 45428), (509, 45353), (520, 45323), (533, 45299), (561, 45263),

Gene: Egi03_44 Start: 35952, Stop: 36707, Start Num: 203
Candidate Starts for Egi03_44:
(188, 35937), (Start: 203 @35952 has 34 MA's), (Start: 264 @36024 has 16 MA's), (294, 36060), (338, 36132), (474, 36327), (480, 36333), (493, 36360), (511, 36408), (578, 36510), (632, 36594), (681, 36666),

Gene: Ekhein_50 Start: 45713, Stop: 44856, Start Num: 193
Candidate Starts for Ekhein_50:
(Start: 193 @45713 has 51 MA's), (220, 45689), (246, 45650), (Start: 255 @45635 has 2 MA's), (279, 45599), (301, 45560), (333, 45500), (342, 45482), (367, 45443), (385, 45407), (389, 45401), (481, 45230), (509, 45155), (520, 45125), (576, 45038), (614, 44963), (637, 44936), (679, 44876),

Gene: ElJefes_48 Start: 35628, Stop: 34825, Start Num: 159
Candidate Starts for ElJefes_48:
(118, 35688), (Start: 159 @35628 has 67 MA's), (Start: 217 @35550 has 6 MA's), (276, 35478), (312, 35421), (343, 35367), (366, 35328), (381, 35307), (476, 35163), (495, 35130), (552, 35025), (609, 34947), (658, 34878), (664, 34869), (680, 34839), (687, 34830),

Gene: Elinal_50 Start: 35490, Stop: 34687, Start Num: 159
Candidate Starts for Elinal_50:
(118, 35550), (Start: 159 @35490 has 67 MA's), (312, 35283), (343, 35229), (357, 35208), (366, 35190), (370, 35181), (391, 35154), (459, 35043), (476, 35025), (495, 34992), (549, 34890), (552, 34887), (609, 34809), (610, 34806), (658, 34740), (680, 34701), (687, 34692),

Gene: Eliott_45 Start: 33793, Stop: 32954, Start Num: 159
Candidate Starts for Eliott_45:
(36, 34114), (41, 34090), (43, 34087), (65, 34000), (81, 33955), (118, 33853), (Start: 159 @33793 has 67 MA's), (202, 33733), (Start: 229 @33703 has 14 MA's), (Start: 233 @33697 has 66 MA's), (301, 33616), (363, 33508), (378, 33475), (395, 33448), (540, 33184), (664, 33013), (668, 33004),

Gene: Emalyn_44 Start: 32901, Stop: 32062, Start Num: 159
Candidate Starts for Emalyn_44:
(118, 32976), (Start: 159 @32901 has 67 MA's), (202, 32841), (Start: 233 @32805 has 66 MA's), (276, 32763), (301, 32724), (312, 32706), (322, 32682), (424, 32496), (466, 32424), (668, 32112),

Gene: Emianna_19 Start: 9384, Stop: 10109, Start Num: 189
Candidate Starts for Emianna_19:
(Start: 189 @9384 has 22 MA's), (216, 9408), (Start: 286 @9441 has 1 MA's), (287, 9444), (309, 9480), (316, 9495), (340, 9537), (419, 9684), (511, 9876), (576, 9978), (598, 10008), (609, 10029), (617, 10044), (659, 10104),

Gene: EmoNemo_30 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for EmoNemo_30:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: EnalisNailo_27 Start: 22059, Stop: 22775, Start Num: 232

Candidate Starts for EnalisNailo_27:
(Start: 211 @22032 has 1 MA's), (Start: 214 @22035 has 1 MA's), (Start: 232 @22059 has 67 MA's), (Start: 247 @22077 has 1 MA's), (287, 22131), (333, 22215), (355, 22254), (374, 22290), (386, 22317), (420, 22371), (428, 22389), (486, 22482), (515, 22560), (519, 22566), (647, 22743), (660, 22761),

Gene: EndAve_30 Start: 22310, Stop: 23098, Start Num: 233
Candidate Starts for EndAve_30:
(Start: 233 @22310 has 66 MA's), (Start: 263 @22355 has 12 MA's), (282, 22385), (288, 22397), (320, 22451), (400, 22598), (419, 22634), (421, 22640), (521, 22829), (523, 22832), (559, 22889), (570, 22907), (587, 22934), (657, 23054),

Gene: Ennea_24 Start: 10528, Stop: 11301, Start Num: 189
Candidate Starts for Ennea_24:
(Start: 189 @10528 has 22 MA's), (Start: 286 @10636 has 1 MA's), (287, 10639), (316, 10690), (340, 10732), (403, 10846), (428, 10900), (609, 11221), (644, 11275),

Gene: Erutan_86 Start: 58695, Stop: 59546, Start Num: 223
Candidate Starts for Erutan_86:
(Start: 201 @58671 has 9 MA's), (204, 58674), (Start: 223 @58695 has 36 MA's), (Start: 227 @58704 has 1 MA's), (242, 58725), (Start: 270 @58767 has 1 MA's), (Start: 273 @58773 has 30 MA's), (299, 58818), (355, 58923), (373, 58959), (378, 58971), (398, 59010), (493, 59190), (517, 59256), (521, 59265), (537, 59295), (570, 59343), (572, 59346), (603, 59400), (620, 59445), (629, 59457), (670, 59523),

Gene: Eudoria_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Eudoria_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Evaa_42 Start: 36118, Stop: 36834, Start Num: 236
Candidate Starts for Evaa_42:
(45, 35704), (Start: 236 @36118 has 1 MA's), (274, 36172), (309, 36226), (333, 36271), (361, 36322), (363, 36325), (368, 36334), (374, 36346), (393, 36382), (428, 36454), (489, 36547), (504, 36595), (505, 36598), (515, 36619), (647, 36802),

Gene: Evamon_43 Start: 36191, Stop: 36946, Start Num: 203
Candidate Starts for Evamon_43:
(140, 36095), (Start: 203 @36191 has 34 MA's), (Start: 264 @36263 has 16 MA's), (294, 36299), (338, 36371), (352, 36386), (474, 36566), (480, 36572), (493, 36599), (511, 36647), (578, 36749), (632, 36833), (681, 36905),

Gene: Eviarto_25 Start: 22309, Stop: 22926, Start Num: 263
Candidate Starts for Eviarto_25:
(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: Ewald_46 Start: 35188, Stop: 35994, Start Num: 197
Candidate Starts for Ewald_46:
(Start: 197 @35188 has 5 MA's), (Start: 256 @35251 has 1 MA's), (315, 35341), (346, 35401), (383, 35473), (388, 35479), (390, 35482), (461, 35629), (500, 35707), (501, 35710), (518, 35740), (521,

35746), (556, 35797), (637, 35923), (671, 35971),

Gene: Exiguo_49 Start: 45725, Stop: 44868, Start Num: 193
Candidate Starts for Exiguo_49:
(Start: 193 @45725 has 51 MA's), (220, 45701), (246, 45662), (Start: 255 @45647 has 2 MA's), (279, 45611), (301, 45572), (333, 45512), (342, 45494), (367, 45455), (385, 45419), (389, 45413), (481, 45242), (509, 45167), (520, 45137), (576, 45050), (614, 44975), (637, 44948), (679, 44888),

Gene: Eyes_26 Start: 21433, Stop: 22146, Start Num: 232
Candidate Starts for Eyes_26:
(183, 21376), (Start: 232 @21433 has 67 MA's), (301, 21526), (309, 21541), (333, 21586), (361, 21637), (375, 21664), (386, 21688), (424, 21751), (428, 21760), (511, 21910), (515, 21922), (519, 21928), (628, 22093),

Gene: Eyre_23 Start: 19537, Stop: 20265, Start Num: 227
Candidate Starts for Eyre_23:
(49, 19162), (99, 19333), (100, 19336), (Start: 145 @19417 has 3 MA's), (157, 19438), (Start: 227 @19537 has 1 MA's), (301, 19636), (309, 19651), (333, 19696), (386, 19798), (420, 19852), (428, 19870), (515, 20038), (519, 20044), (592, 20146), (628, 20209),

Gene: Fairfaxidum_25 Start: 21557, Stop: 22270, Start Num: 232
Candidate Starts for Fairfaxidum_25:
(Start: 223 @21542 has 36 MA's), (Start: 232 @21557 has 67 MA's), (243, 21569), (245, 21572), (Start: 247 @21575 has 1 MA's), (316, 21683), (333, 21713), (348, 21743), (374, 21788), (397, 21833), (420, 21875), (428, 21893), (486, 21980), (490, 21986), (505, 22037), (515, 22058), (519, 22064), (540, 22103), (549, 22115), (609, 22187), (653, 22250),

Gene: Faith5x5_23 Start: 18643, Stop: 19344, Start Num: 232
Candidate Starts for Faith5x5_23:
(Start: 232 @18643 has 67 MA's), (287, 18709), (301, 18733), (316, 18763), (333, 18793), (355, 18832), (361, 18844), (375, 18871), (386, 18895), (388, 18898), (421, 18952), (424, 18958), (428, 18967), (463, 19030), (483, 19045), (486, 19051), (501, 19099), (512, 19120), (515, 19129), (519, 19135), (549, 19186), (592, 19225), (599, 19237), (647, 19312), (662, 19333), (664, 19336),

Gene: Farrylious_30 Start: 21321, Stop: 22019, Start Num: 229
Candidate Starts for Farrylious_30:
(Start: 217 @21303 has 6 MA's), (Start: 229 @21321 has 14 MA's), (285, 21384), (305, 21420), (341, 21480), (347, 21492), (362, 21513), (377, 21546), (395, 21576), (397, 21579), (408, 21600), (410, 21606), (412, 21612), (422, 21633), (480, 21738), (486, 21747), (512, 21816), (514, 21822), (538, 21858), (550, 21870), (598, 21909), (609, 21930), (654, 21999), (663, 22011), (665, 22014),

Gene: Fazel_28 Start: 21344, Stop: 22132, Start Num: 233
Candidate Starts for Fazel_28:
(Start: 233 @21344 has 66 MA's), (Start: 263 @21389 has 12 MA's), (311, 21467), (320, 21485), (398, 21629), (400, 21632), (414, 21659), (421, 21674), (460, 21758), (493, 21806), (521, 21863), (523, 21866), (566, 21935), (570, 21941), (589, 21971),

Gene: Feastonyeet_46 Start: 35108, Stop: 34305, Start Num: 159
Candidate Starts for Feastonyeet_46:
(118, 35168), (Start: 159 @35108 has 67 MA's), (312, 34901), (343, 34847), (348, 34838), (357, 34826), (370, 34799), (381, 34787), (391, 34772), (459, 34661), (476, 34643), (495, 34610), (549, 34508), (552, 34505), (600, 34448), (609, 34427), (658, 34358), (680, 34319), (687, 34310),

Gene: FelixAlejandro_54 Start: 48219, Stop: 47365, Start Num: 193
Candidate Starts for FelixAlejandro_54:
(66, 48486), (75, 48462), (Start: 193 @48219 has 51 MA's), (220, 48195), (Start: 255 @48141 has 2 MA's), (301, 48066), (333, 48006), (342, 47988), (360, 47964), (367, 47949), (385, 47913), (389, 47907), (481, 47739), (499, 47688), (500, 47682), (509, 47664), (576, 47547), (614, 47472), (637, 47445), (643, 47436), (679, 47385),

Gene: FelixTres_45 Start: 37556, Stop: 38278, Start Num: 234
Candidate Starts for FelixTres_45:
(111, 37370), (Start: 234 @37556 has 15 MA's), (300, 37649), (337, 37718), (351, 37745), (355, 37751), (404, 37841), (467, 37949), (484, 37961), (501, 38012), (515, 38042), (532, 38072), (540, 38087),

Gene: Fenry_24 Start: 20871, Stop: 21674, Start Num: 198
Candidate Starts for Fenry_24:
(Start: 198 @20871 has 35 MA's), (Start: 247 @20919 has 1 MA's), (Start: 256 @20931 has 1 MA's), (267, 20946), (294, 20982), (344, 21075), (357, 21087), (374, 21123), (375, 21126), (406, 21171), (407, 21174), (411, 21186), (420, 21204), (425, 21216), (427, 21219), (428, 21222), (518, 21399), (532, 21420), (534, 21426), (637, 21582), (664, 21618), (678, 21642), (689, 21663),

Gene: Figliar_30 Start: 22320, Stop: 23108, Start Num: 233
Candidate Starts for Figliar_30:
(Start: 233 @22320 has 66 MA's), (Start: 263 @22365 has 12 MA's), (282, 22395), (288, 22407), (320, 22461), (400, 22608), (414, 22635), (421, 22650), (460, 22734), (521, 22839), (523, 22842), (570, 22917), (657, 23064),

Gene: Fireball_45 Start: 36416, Stop: 37156, Start Num: 203
Candidate Starts for Fireball_45:
(Start: 173 @36380 has 2 MA's), (188, 36401), (Start: 203 @36416 has 34 MA's), (Start: 264 @36488 has 16 MA's), (294, 36524), (338, 36596), (395, 36677), (474, 36791), (480, 36797), (493, 36824), (511, 36872), (578, 36974), (650, 37088), (683, 37136),

Gene: Fitzgerald_44 Start: 40680, Stop: 41414, Start Num: 200
Candidate Starts for Fitzgerald_44:
(107, 40533), (Start: 159 @40623 has 67 MA's), (Start: 200 @40680 has 54 MA's), (Start: 219 @40698 has 3 MA's), (294, 40785), (311, 40812), (339, 40860), (353, 40878), (375, 40920), (424, 40998), (448, 41040), (464, 41073), (540, 41208), (567, 41247), (633, 41346), (655, 41373), (676, 41406),

Gene: Flakey_49 Start: 46589, Stop: 45732, Start Num: 193
Candidate Starts for Flakey_49:
(Start: 193 @46589 has 51 MA's), (220, 46565), (246, 46526), (Start: 255 @46511 has 2 MA's), (279, 46475), (301, 46436), (333, 46376), (342, 46358), (367, 46319), (385, 46283), (389, 46277), (481, 46106), (509, 46031), (520, 46001), (576, 45914), (614, 45839), (637, 45812), (679, 45752),

Gene: Flapper_22 Start: 9234, Stop: 10004, Start Num: 189
Candidate Starts for Flapper_22:
(Start: 189 @9234 has 22 MA's), (Start: 207 @9252 has 7 MA's), (Start: 286 @9342 has 1 MA's), (316, 9396), (340, 9438), (454, 9666), (480, 9699), (482, 9702), (609, 9921), (644, 9975),

Gene: Flatwoods_46 Start: 39507, Stop: 40250, Start Num: 200
Candidate Starts for Flatwoods_46:
(Start: 200 @39507 has 54 MA's), (Start: 219 @39525 has 3 MA's), (Start: 256 @39570 has 1 MA's), (294, 39615), (339, 39690), (353, 39708), (375, 39750), (394, 39777), (448, 39870), (450, 39882),

(520, 40002), (540, 40038), (549, 40050), (567, 40077), (590, 40110), (607, 40143), (633, 40176), (655, 40203),

Gene: Float294_20 Start: 9077, Stop: 9850, Start Num: 189
Candidate Starts for Float294_20:
(Start: 189 @9077 has 22 MA's), (Start: 286 @9185 has 1 MA's), (287, 9188), (316, 9239), (340, 9281), (403, 9395), (428, 9449), (497, 9581), (609, 9770), (644, 9824),

Gene: Floral_27 Start: 21910, Stop: 22626, Start Num: 232
Candidate Starts for Floral_27:
(Start: 211 @21883 has 1 MA's), (Start: 214 @21886 has 1 MA's), (Start: 232 @21910 has 67 MA's), (Start: 247 @21928 has 1 MA's), (287, 21982), (333, 22066), (355, 22105), (374, 22141), (386, 22168), (420, 22222), (428, 22240), (486, 22333), (515, 22411), (519, 22417), (647, 22594), (660, 22612),

Gene: FlyingTortilla_30 Start: 24461, Stop: 25141, Start Num: 229
Candidate Starts for FlyingTortilla_30:
(Start: 229 @24461 has 14 MA's), (285, 24518), (362, 24635), (377, 24668), (395, 24698), (397, 24701), (408, 24722), (410, 24728), (419, 24746), (428, 24767), (463, 24836), (480, 24860), (491, 24878), (497, 24899), (550, 24992), (560, 25001), (609, 25052), (654, 25121), (665, 25136),

Gene: Football_28 Start: 19066, Stop: 19851, Start Num: 233
Candidate Starts for Football_28:
(Start: 233 @19066 has 66 MA's), (Start: 263 @19111 has 12 MA's), (320, 19207), (322, 19213), (398, 19351), (416, 19384), (421, 19396), (521, 19585), (523, 19588), (570, 19663), (657, 19810),

Gene: FortCran_27 Start: 19318, Stop: 20103, Start Num: 233
Candidate Starts for FortCran_27:
(Start: 233 @19318 has 66 MA's), (244, 19333), (Start: 263 @19363 has 12 MA's), (320, 19459), (322, 19465), (398, 19603), (416, 19636), (421, 19648), (521, 19837), (523, 19840), (570, 19915), (657, 20062),

Gene: Fosterous_43 Start: 39239, Stop: 39973, Start Num: 200
Candidate Starts for Fosterous_43:
(Start: 159 @39182 has 67 MA's), (Start: 200 @39239 has 54 MA's), (Start: 219 @39257 has 3 MA's), (294, 39344), (311, 39371), (339, 39419), (353, 39437), (375, 39479), (424, 39557), (448, 39599), (464, 39632), (540, 39767), (567, 39806), (633, 39905), (655, 39932), (676, 39965),

Gene: Fowlmouth_34 Start: 30830, Stop: 31756, Start Num: 172
Candidate Starts for Fowlmouth_34:
(169, 30824), (Start: 172 @30830 has 3 MA's), (185, 30851), (Start: 191 @30857 has 9 MA's), (212, 30881), (238, 30917), (252, 30935), (269, 30962), (284, 30989), (296, 31010), (328, 31070), (343, 31091), (405, 31208), (421, 31241), (449, 31307), (494, 31388), (535, 31475), (551, 31496), (563, 31511), (565, 31514), (589, 31556), (592, 31559),

Gene: Foxboro_20 Start: 9744, Stop: 10469, Start Num: 189
Candidate Starts for Foxboro_20:
(Start: 189 @9744 has 22 MA's), (216, 9768), (Start: 286 @9801 has 1 MA's), (287, 9804), (309, 9840), (316, 9855), (340, 9897), (419, 10044), (511, 10236), (576, 10338), (598, 10368), (609, 10389), (617, 10404), (659, 10464),

Gene: Francesca_10 Start: 6016, Stop: 5336, Start Num: 251
Candidate Starts for Francesca_10:

(Start: 251 @6016 has 2 MA's), (Start: 254 @6010 has 4 MA's), (262, 5998), (287, 5962), (294, 5947), (301, 5938), (411, 5737), (420, 5719), (434, 5683), (452, 5653), (521, 5539), (531, 5521), (535, 5512), (575, 5461), (589, 5440), (596, 5428), (602, 5419),

Gene: Fresco_42 Start: 35273, Stop: 35995, Start Num: 234
Candidate Starts for Fresco_42:
(40, 34883), (93, 35060), (146, 35168), (Start: 234 @35273 has 15 MA's), (337, 35435), (361, 35480), (393, 35543), (401, 35561), (420, 35588), (463, 35666), (465, 35669), (501, 35738), (515, 35768), (519, 35774), (649, 35963),

Gene: Fribs8_41 Start: 32917, Stop: 32156, Start Num: 159
Candidate Starts for Fribs8_41:
(97, 33031), (150, 32932), (Start: 159 @32917 has 67 MA's), (243, 32815), (Start: 255 @32809 has 2 MA's), (Start: 273 @32785 has 30 MA's), (342, 32671), (357, 32647), (370, 32620), (407, 32566), (418, 32545), (476, 32482), (486, 32473), (512, 32404), (664, 32200), (679, 32173),

Gene: Frickyeah_27 Start: 21264, Stop: 21887, Start Num: 273
Candidate Starts for Frickyeah_27:
(64, 20889), (85, 20946), (96, 20991), (120, 21045), (121, 21048), (Start: 145 @21084 has 3 MA's), (162, 21129), (165, 21132), (Start: 273 @21264 has 30 MA's), (Start: 278 @21270 has 2 MA's), (293, 21300), (301, 21315), (338, 21375), (380, 21456), (403, 21495), (434, 21567), (469, 21630), (497, 21675), (501, 21693), (512, 21714), (518, 21723), (627, 21855), (636, 21864), (644, 21876),

Gene: Frizzle_40 Start: 36518, Stop: 37297, Start Num: 159
Candidate Starts for Frizzle_40:
(Start: 159 @36518 has 67 MA's), (161, 36530), (164, 36536), (Start: 205 @36584 has 17 MA's), (Start: 211 @36593 has 1 MA's), (Start: 214 @36596 has 1 MA's), (Start: 255 @36632 has 2 MA's), (321, 36737), (345, 36767), (363, 36797), (378, 36830), (380, 36833), (387, 36845), (389, 36848), (441, 36944), (493, 36989), (657, 37235), (673, 37259),

Gene: FroggyToad_24 Start: 19863, Stop: 20570, Start Num: 232
Candidate Starts for FroggyToad_24:
(134, 19719), (Start: 232 @19863 has 67 MA's), (279, 19920), (301, 19959), (333, 20019), (342, 20037), (343, 20040), (374, 20094), (375, 20097), (393, 20130), (401, 20148), (404, 20151), (463, 20253), (501, 20322), (515, 20352), (519, 20358), (662, 20562),

Gene: Frokostdame_25 Start: 21118, Stop: 21918, Start Num: 198
Candidate Starts for Frokostdame_25:
(101, 20968), (Start: 198 @21118 has 35 MA's), (Start: 247 @21166 has 1 MA's), (Start: 256 @21178 has 1 MA's), (267, 21193), (294, 21229), (344, 21322), (374, 21370), (375, 21373), (410, 21430), (411, 21433), (420, 21451), (425, 21463), (427, 21466), (428, 21469), (518, 21646), (532, 21667), (561, 21709), (624, 21814), (637, 21829), (639, 21832), (664, 21865), (678, 21889),

Gene: FruityLoops_29 Start: 24464, Stop: 25144, Start Num: 229
Candidate Starts for FruityLoops_29:
(Start: 229 @24464 has 14 MA's), (285, 24521), (362, 24638), (377, 24671), (395, 24701), (397, 24704), (408, 24725), (410, 24731), (419, 24749), (428, 24770), (480, 24863), (491, 24881), (497, 24902), (550, 24995), (560, 25004), (564, 25010), (609, 25055), (654, 25124), (665, 25139),

Gene: FuegoCuervo_48 Start: 39107, Stop: 39841, Start Num: 200
Candidate Starts for FuegoCuervo_48:
(Start: 200 @39107 has 54 MA's), (Start: 219 @39125 has 3 MA's), (294, 39212), (311, 39239), (339, 39287), (353, 39305), (361, 39317), (375, 39347), (395, 39377), (424, 39425), (448, 39467), (540,

39635), (567, 39674), (633, 39773), (655, 39800), (676, 39833),

Gene: Fugax_47 Start: 36463, Stop: 37218, Start Num: 203
Candidate Starts for Fugax_47:
(188, 36448), (Start: 203 @36463 has 34 MA's), (Start: 264 @36535 has 16 MA's), (294, 36571), (338, 36643), (474, 36838), (480, 36844), (493, 36871), (511, 36919), (578, 37021), (632, 37105), (681, 37177),

Gene: Fulcrum_85 Start: 58384, Stop: 59235, Start Num: 223
Candidate Starts for Fulcrum_85:
(112, 58207), (124, 58234), (129, 58243), (139, 58258), (147, 58267), (Start: 201 @58360 has 9 MA's), (204, 58363), (Start: 223 @58384 has 36 MA's), (Start: 227 @58393 has 1 MA's), (242, 58414), (Start: 270 @58456 has 1 MA's), (Start: 273 @58462 has 30 MA's), (299, 58507), (355, 58612), (373, 58648), (378, 58660), (398, 58699), (412, 58729), (414, 58732), (420, 58744), (493, 58879), (517, 58945), (521, 58954), (537, 58984), (557, 59011), (572, 59035), (603, 59089), (620, 59134), (629, 59146), (670, 59212),

Gene: Fury_25 Start: 9669, Stop: 10463, Start Num: 178
Candidate Starts for Fury_25:
(86, 9471), (Start: 178 @9669 has 3 MA's), (Start: 286 @9798 has 1 MA's), (287, 9801), (316, 9858), (340, 9900), (403, 10014), (410, 10029), (419, 10047), (434, 10083), (474, 10152), (480, 10158), (512, 10236), (518, 10245), (555, 10299), (598, 10359),

Gene: GAL1_26 Start: 21339, Stop: 22043, Start Num: 232
Candidate Starts for GAL1_26:
(Start: 232 @21339 has 67 MA's), (Start: 236 @21345 has 1 MA's), (287, 21411), (301, 21435), (316, 21465), (333, 21495), (355, 21534), (386, 21597), (424, 21660), (428, 21669), (481, 21744), (483, 21747), (486, 21753), (501, 21801), (515, 21831), (519, 21837), (599, 21939), (609, 21960), (653, 22023),

Gene: GEazy_26 Start: 21448, Stop: 22167, Start Num: 232
Candidate Starts for GEazy_26:
(183, 21391), (Start: 232 @21448 has 67 MA's), (301, 21541), (309, 21556), (333, 21601), (361, 21652), (375, 21679), (386, 21703), (424, 21766), (428, 21775), (515, 21937), (519, 21943),

Gene: GMA3_32 Start: 38590, Stop: 39348, Start Num: 235
Candidate Starts for GMA3_32:
(Start: 235 @38590 has 4 MA's), (292, 38677), (352, 38785), (378, 38833), (396, 38869), (422, 38905), (434, 38938), (442, 38950), (493, 39040), (506, 39073), (548, 39151), (587, 39208), (654, 39319),

Gene: GMA6_16 Start: 13599, Stop: 14291, Start Num: 226
Candidate Starts for GMA6_16:
(226, 13599), (285, 13659), (291, 13671), (297, 13683), (305, 13695), (317, 13716), (338, 13749), (362, 13791), (377, 13824), (422, 13911), (480, 14013), (509, 14085), (538, 14133), (607, 14205), (627, 14241), (661, 14286),

Gene: GMA7_41 Start: 40896, Stop: 39997, Start Num: 193
Candidate Starts for GMA7_41:
(86, 41103), (106, 41037), (Start: 193 @40896 has 51 MA's), (220, 40869), (253, 40821), (298, 40755), (301, 40749), (363, 40632), (366, 40626), (387, 40584), (419, 40524), (481, 40404), (502, 40341), (528, 40287), (539, 40266), (609, 40155),

Gene: GOATification_85 Start: 58384, Stop: 59235, Start Num: 223

Candidate Starts for GOATification_85:
(112, 58207), (124, 58234), (129, 58243), (139, 58258), (147, 58267), (Start: 201 @58360 has 9 MA's), (204, 58363), (Start: 223 @58384 has 36 MA's), (Start: 227 @58393 has 1 MA's), (242, 58414), (Start: 270 @58456 has 1 MA's), (Start: 273 @58462 has 30 MA's), (299, 58507), (355, 58612), (373, 58648), (378, 58660), (398, 58699), (412, 58729), (414, 58732), (420, 58744), (493, 58879), (517, 58945), (521, 58954), (537, 58984), (557, 59011), (572, 59035), (603, 59089), (620, 59134), (629, 59146), (670, 59212),

Gene: GRU1_9 Start: 2330, Stop: 3097, Start Num: 189
Candidate Starts for GRU1_9:
(186, 2327), (Start: 189 @2330 has 22 MA's), (Start: 207 @2345 has 7 MA's), (Start: 286 @2435 has 1 MA's), (287, 2438), (316, 2489), (340, 2531), (380, 2606), (454, 2759), (480, 2792), (482, 2795), (528, 2897), (606, 3008), (609, 3014), (640, 3062), (644, 3068),

Gene: GTE2_37 Start: 33497, Stop: 32658, Start Num: 159
Candidate Starts for GTE2_37:
(118, 33557), (Start: 159 @33497 has 67 MA's), (202, 33437), (Start: 233 @33401 has 66 MA's), (243, 33392), (301, 33320), (363, 33212), (391, 33158), (424, 33092), (448, 33059), (466, 33020), (600, 32816), (609, 32795), (668, 32708),

Gene: GTE5_9 Start: 2331, Stop: 3101, Start Num: 189
Candidate Starts for GTE5_9:
(Start: 189 @2331 has 22 MA's), (Start: 207 @2349 has 7 MA's), (Start: 286 @2439 has 1 MA's), (316, 2493), (340, 2535), (454, 2763), (480, 2796), (482, 2799), (606, 3012), (609, 3018), (640, 3066), (644, 3072),

Gene: GTE6_58 Start: 44409, Stop: 45188, Start Num: 159
Candidate Starts for GTE6_58:
(27, 43980), (30, 44022), (32, 44031), (35, 44073), (37, 44082), (87, 44247), (107, 44313), (113, 44328), (Start: 159 @44409 has 67 MA's), (Start: 235 @44508 has 4 MA's), (Start: 255 @44523 has 2 MA's), (290, 44568), (345, 44658), (365, 44691), (476, 44850), (507, 44919), (540, 44973), (685, 45174),

Gene: GTE7_40 Start: 40927, Stop: 40028, Start Num: 193
Candidate Starts for GTE7_40:
(86, 41134), (106, 41068), (Start: 193 @40927 has 51 MA's), (220, 40900), (253, 40852), (298, 40786), (301, 40780), (363, 40663), (366, 40657), (387, 40615), (419, 40555), (481, 40435), (502, 40372), (528, 40318), (539, 40297), (609, 40186),

Gene: GTE8_7 Start: 2259, Stop: 2990, Start Num: 189
Candidate Starts for GTE8_7:
(Start: 189 @2259 has 22 MA's), (216, 2283), (Start: 286 @2316 has 1 MA's), (287, 2319), (309, 2355), (316, 2370), (340, 2412), (445, 2616), (480, 2676), (511, 2751), (512, 2754), (574, 2853), (576, 2856), (598, 2886), (609, 2907), (617, 2922),

Gene: Gaea_45 Start: 39151, Stop: 39894, Start Num: 200
Candidate Starts for Gaea_45:
(Start: 200 @39151 has 54 MA's), (Start: 219 @39169 has 3 MA's), (Start: 256 @39214 has 1 MA's), (294, 39259), (320, 39304), (339, 39334), (353, 39352), (361, 39364), (375, 39394), (394, 39421), (448, 39514), (450, 39526), (501, 39610), (540, 39682), (549, 39694), (567, 39721), (590, 39754), (607, 39787), (633, 39820), (655, 39847),

Gene: Gagieri_19 Start: 9542, Stop: 10426, Start Num: 201

Candidate Starts for Gagieri_19:
(65, 9272), (68, 9284), (72, 9299), (Start: 201 @9542 has 9 MA's), (213, 9557), (259, 9620), (310, 9707), (319, 9725), (324, 9740), (339, 9758), (343, 9770), (420, 9899), (454, 9977), (480, 10013), (518, 10106), (527, 10121), (594, 10220), (615, 10268), (630, 10301), (664, 10349), (688, 10394),

Gene: Galadriel_45 Start: 40046, Stop: 40780, Start Num: 200
Candidate Starts for Galadriel_45:
(107, 39899), (Start: 159 @39989 has 67 MA's), (Start: 200 @40046 has 54 MA's), (Start: 219 @40064 has 3 MA's), (294, 40151), (311, 40178), (339, 40226), (353, 40244), (375, 40286), (424, 40364), (448, 40406), (464, 40439), (540, 40574), (567, 40613), (633, 40712), (655, 40739), (676, 40772),

Gene: Gambino_27 Start: 21524, Stop: 22264, Start Num: 256
Candidate Starts for Gambino_27:
(101, 21314), (Start: 198 @21464 has 35 MA's), (Start: 247 @21512 has 1 MA's), (Start: 256 @21524 has 1 MA's), (294, 21575), (344, 21668), (375, 21719), (410, 21776), (411, 21779), (420, 21797), (425, 21809), (427, 21812), (428, 21815), (518, 21992), (532, 22013), (534, 22019), (561, 22055), (624, 22160), (637, 22175), (639, 22178), (664, 22211), (678, 22235),

Gene: GemG_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for GemG_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Genamy16_87 Start: 57186, Stop: 58037, Start Num: 223
Candidate Starts for Genamy16_87:
(Start: 201 @57162 has 9 MA's), (204, 57165), (Start: 223 @57186 has 36 MA's), (Start: 235 @57207 has 4 MA's), (242, 57216), (Start: 270 @57258 has 1 MA's), (Start: 273 @57264 has 30 MA's), (299, 57309), (353, 57411), (355, 57414), (373, 57450), (378, 57462), (398, 57501), (412, 57531), (414, 57534), (420, 57546), (421, 57549), (493, 57681), (517, 57747), (521, 57756), (537, 57786), (557, 57813), (570, 57834), (603, 57891), (620, 57936), (670, 58014),

Gene: Geodirt_44 Start: 40658, Stop: 41392, Start Num: 200
Candidate Starts for Geodirt_44:
(Start: 159 @40601 has 67 MA's), (Start: 200 @40658 has 54 MA's), (Start: 219 @40676 has 3 MA's), (294, 40763), (311, 40790), (339, 40838), (353, 40856), (375, 40898), (424, 40976), (448, 41018), (464, 41051), (540, 41186), (567, 41225), (633, 41324), (655, 41351), (676, 41384),

Gene: Getalong_29 Start: 22301, Stop: 22924, Start Num: 273
Candidate Starts for Getalong_29:
(64, 21926), (85, 21983), (96, 22028), (120, 22082), (121, 22085), (Start: 145 @22121 has 3 MA's), (162, 22166), (165, 22169), (Start: 273 @22301 has 30 MA's), (Start: 278 @22307 has 2 MA's), (293, 22337), (301, 22352), (338, 22412), (380, 22493), (403, 22532), (434, 22604), (469, 22667), (497, 22712), (501, 22730), (512, 22751), (518, 22760), (627, 22892), (636, 22901), (644, 22913),

Gene: Gezellig_43 Start: 36323, Stop: 37078, Start Num: 203
Candidate Starts for Gezellig_43:
(152, 36245), (Start: 203 @36323 has 34 MA's), (Start: 264 @36395 has 16 MA's), (338, 36503), (372, 36548), (474, 36698), (480, 36704), (493, 36731), (511, 36779), (578, 36881), (632, 36965), (681, 37037),

Gene: Ghobes_41 Start: 36518, Stop: 37297, Start Num: 159
Candidate Starts for Ghobes_41:

(Start: 159 @36518 has 67 MA's), (164, 36536), (Start: 205 @36584 has 17 MA's), (Start: 211 @36593 has 1 MA's), (Start: 214 @36596 has 1 MA's), (Start: 255 @36632 has 2 MA's), (309, 36710), (321, 36737), (345, 36767), (363, 36797), (378, 36830), (380, 36833), (387, 36845), (410, 36890), (441, 36944), (493, 36989), (657, 37235), (673, 37259),

Gene: GiKK_50 Start: 34402, Stop: 33551, Start Num: 125
Candidate Starts for GiKK_50:
(119, 34417), (Start: 125 @34402 has 9 MA's), (135, 34387), (171, 34330), (174, 34324), (Start: 191 @34309 has 9 MA's), (Start: 233 @34264 has 66 MA's), (243, 34255), (Start: 255 @34249 has 2 MA's), (276, 34222), (324, 34135), (336, 34123), (337, 34120), (348, 34096), (374, 34048), (385, 34027), (409, 33985), (415, 33973), (424, 33955), (453, 33916), (543, 33760), (552, 33748), (653, 33610),

Gene: Gibbin_88 Start: 59024, Stop: 59875, Start Num: 223
Candidate Starts for Gibbin_88:
(Start: 201 @59000 has 9 MA's), (204, 59003), (Start: 223 @59024 has 36 MA's), (Start: 227 @59033 has 1 MA's), (242, 59054), (Start: 270 @59096 has 1 MA's), (Start: 273 @59102 has 30 MA's), (299, 59147), (355, 59252), (360, 59261), (373, 59288), (378, 59300), (398, 59339), (493, 59519), (517, 59585), (521, 59594), (537, 59624), (557, 59651), (572, 59675), (603, 59729), (620, 59774), (629, 59786), (670, 59852),

Gene: Gibbles_38 Start: 40989, Stop: 41708, Start Num: 240
Candidate Starts for Gibbles_38:
(Start: 240 @40989 has 5 MA's), (244, 40995), (268, 41031), (276, 41043), (325, 41136), (398, 41262), (416, 41280), (419, 41286), (434, 41328), (463, 41382), (473, 41394), (522, 41490), (573, 41550), (642, 41664),

Gene: Gibbous_41 Start: 32649, Stop: 31885, Start Num: 159
Candidate Starts for Gibbous_41:
(150, 32664), (Start: 159 @32649 has 67 MA's), (180, 32610), (Start: 233 @32556 has 66 MA's), (Start: 255 @32538 has 2 MA's), (Start: 273 @32514 has 30 MA's), (301, 32472), (342, 32400), (370, 32349), (407, 32295), (418, 32274), (476, 32211), (512, 32133), (534, 32097), (552, 32076), (609, 32004), (614, 31992), (664, 31929), (671, 31914), (673, 31911), (679, 31902), (680, 31899),

Gene: Gill_27 Start: 19428, Stop: 20213, Start Num: 233
Candidate Starts for Gill_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: Gizermo_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Gizermo_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Glintora_30 Start: 22280, Stop: 23068, Start Num: 233
Candidate Starts for Glintora_30:
(Start: 233 @22280 has 66 MA's), (Start: 263 @22325 has 12 MA's), (282, 22355), (288, 22367), (320, 22421), (400, 22568), (419, 22604), (421, 22610), (521, 22799), (523, 22802), (544, 22838), (570, 22877), (657, 23024),

Gene: Gmala1_33 Start: 37223, Stop: 38008, Start Num: 235

Candidate Starts for Gmala1_33:
(Start: 235 @37223 has 4 MA's), (249, 37238), (268, 37268), (276, 37280), (282, 37292), (288, 37304), (301, 37328), (323, 37370), (352, 37418), (375, 37460), (396, 37502), (422, 37553), (479, 37661), (554, 37805), (626, 37928), (654, 37970),

Gene: GoldHunter_45 Start: 33907, Stop: 33068, Start Num: 159
Candidate Starts for GoldHunter_45:
(36, 34228), (41, 34204), (43, 34201), (65, 34114), (81, 34069), (95, 34018), (118, 33967), (Start: 159 @33907 has 67 MA's), (202, 33847), (Start: 229 @33817 has 14 MA's), (Start: 233 @33811 has 66 MA's), (301, 33730), (363, 33622), (540, 33298), (664, 33127), (668, 33118),

Gene: GordDuk1_33 Start: 37164, Stop: 37949, Start Num: 235
Candidate Starts for GordDuk1_33:
(Start: 235 @37164 has 4 MA's), (249, 37179), (276, 37221), (282, 37233), (301, 37269), (323, 37311), (352, 37359), (375, 37401), (396, 37443), (422, 37494), (479, 37602), (554, 37746), (626, 37869), (654, 37911),

Gene: GordTnk2_33 Start: 37130, Stop: 37915, Start Num: 235
Candidate Starts for GordTnk2_33:
(Start: 235 @37130 has 4 MA's), (249, 37145), (268, 37175), (276, 37187), (282, 37199), (288, 37211), (301, 37235), (323, 37277), (352, 37325), (396, 37409), (422, 37460), (479, 37568), (554, 37712), (626, 37835), (642, 37859), (654, 37877),

Gene: Gorko_49 Start: 45717, Stop: 44860, Start Num: 193
Candidate Starts for Gorko_49:
(Start: 193 @45717 has 51 MA's), (220, 45693), (246, 45654), (Start: 255 @45639 has 2 MA's), (279, 45603), (301, 45564), (333, 45504), (342, 45486), (367, 45447), (385, 45411), (389, 45405), (481, 45234), (509, 45159), (520, 45129), (576, 45042), (614, 44967), (637, 44940), (679, 44880),

Gene: GourdThymes_49 Start: 46591, Stop: 45734, Start Num: 193
Candidate Starts for GourdThymes_49:
(Start: 193 @46591 has 51 MA's), (220, 46567), (246, 46528), (Start: 255 @46513 has 2 MA's), (279, 46477), (333, 46378), (342, 46360), (367, 46321), (389, 46279), (481, 46108), (509, 46033), (520, 46003), (576, 45916), (614, 45841), (637, 45814), (679, 45754),

Gene: Gravy_27 Start: 19428, Stop: 20213, Start Num: 233
Candidate Starts for Gravy_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: Gray_31 Start: 21550, Stop: 22266, Start Num: 217
Candidate Starts for Gray_31:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: Grayson_31 Start: 9328, Stop: 8654, Start Num: 254
Candidate Starts for Grayson_31:
(237, 9352), (244, 9343), (Start: 254 @9328 has 4 MA's), (301, 9262), (303, 9259), (316, 9238), (334, 9205), (378, 9124), (428, 9031), (455, 8977), (487, 8938), (521, 8866), (546, 8824), (551, 8818),

Gene: GretelLyn_86 Start: 58751, Stop: 59602, Start Num: 223
Candidate Starts for GretelLyn_86:
(Start: 201 @58727 has 9 MA's), (204, 58730), (Start: 223 @58751 has 36 MA's), (Start: 227 @58760 has 1 MA's), (242, 58781), (Start: 270 @58823 has 1 MA's), (Start: 273 @58829 has 30 MA's), (299, 58874), (355, 58979), (373, 59015), (378, 59027), (398, 59066), (493, 59246), (517, 59312), (521, 59321), (537, 59351), (570, 59399), (572, 59402), (603, 59456), (620, 59501), (629, 59513), (670, 59579),

Gene: GrootJr_21 Start: 9807, Stop: 10532, Start Num: 189
Candidate Starts for GrootJr_21:
(Start: 189 @9807 has 22 MA's), (216, 9831), (Start: 286 @9864 has 1 MA's), (287, 9867), (309, 9903), (316, 9918), (340, 9960), (419, 10107), (511, 10299), (576, 10401), (598, 10431), (609, 10452), (617, 10467), (659, 10527),

Gene: Guacamole_25 Start: 21156, Stop: 21959, Start Num: 198
Candidate Starts for Guacamole_25:
(Start: 198 @21156 has 35 MA's), (Start: 247 @21204 has 1 MA's), (Start: 256 @21216 has 1 MA's), (267, 21231), (294, 21267), (344, 21360), (375, 21411), (410, 21468), (411, 21471), (420, 21489), (425, 21501), (427, 21504), (428, 21507), (518, 21684), (532, 21705), (534, 21711), (637, 21867), (664, 21903), (678, 21927), (689, 21948),

Gene: Gudmit_24 Start: 19608, Stop: 20321, Start Num: 232
Candidate Starts for Gudmit_24:
(Start: 232 @19608 has 67 MA's), (Start: 247 @19626 has 1 MA's), (333, 19764), (375, 19842), (386, 19866), (420, 19920), (428, 19938), (486, 20031), (515, 20109), (519, 20115), (534, 20145), (653, 20301), (664, 20313),

Gene: Gusicorn_30 Start: 22097, Stop: 22885, Start Num: 233
Candidate Starts for Gusicorn_30:
(Start: 233 @22097 has 66 MA's), (Start: 263 @22142 has 12 MA's), (288, 22184), (320, 22238), (421, 22427), (521, 22616), (523, 22619), (570, 22694), (657, 22841),

Gene: Gustav_37 Start: 28213, Stop: 28986, Start Num: 209
Candidate Starts for Gustav_37:
(Start: 209 @28213 has 10 MA's), (Start: 255 @28267 has 2 MA's), (Start: 263 @28279 has 12 MA's), (300, 28330), (331, 28387), (357, 28417), (365, 28432), (373, 28450), (394, 28480), (395, 28483), (408, 28507), (424, 28540), (474, 28630), (569, 28798), (679, 28939), (692, 28963),

Gene: Gustavo_45 Start: 39323, Stop: 40066, Start Num: 200
Candidate Starts for Gustavo_45:
(Start: 200 @39323 has 54 MA's), (Start: 219 @39341 has 3 MA's), (Start: 256 @39386 has 1 MA's), (294, 39431), (330, 39494), (339, 39506), (353, 39524), (375, 39566), (394, 39593), (448, 39686), (450, 39698), (520, 39818), (540, 39854), (549, 39866), (567, 39893), (590, 39926), (607, 39959), (633, 39992), (655, 40019),

Gene: Haley23_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Haley23_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Halo3_44 Start: 36616, Stop: 37371, Start Num: 203
Candidate Starts for Halo3_44:

(140, 36520), (Start: 203 @36616 has 34 MA's), (Start: 264 @36688 has 16 MA's), (294, 36724), (338, 36796), (474, 36991), (480, 36997), (493, 37024), (578, 37174), (632, 37258), (681, 37330),

Gene: Hanem_31 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Hanem_31:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (627, 22210), (654, 22246), (663, 22258), (665, 22261),

Gene: HannahD_26 Start: 21448, Stop: 22167, Start Num: 232
Candidate Starts for HannahD_26:
(183, 21391), (Start: 232 @21448 has 67 MA's), (301, 21541), (309, 21556), (333, 21601), (361, 21652), (375, 21679), (386, 21703), (424, 21766), (428, 21775), (515, 21937), (519, 21943),

Gene: Hans_46 Start: 38978, Stop: 39697, Start Num: 205
Candidate Starts for Hans_46:
(Start: 205 @38978 has 17 MA's), (225, 38993), (Start: 255 @39032 has 2 MA's), (294, 39083), (339, 39143), (472, 39362), (486, 39371), (493, 39389), (518, 39449), (567, 39524), (633, 39623), (662, 39662), (674, 39683),

Gene: HayZem_51 Start: 46679, Stop: 45780, Start Num: 193
Candidate Starts for HayZem_51:
(86, 46886), (106, 46820), (Start: 193 @46679 has 51 MA's), (220, 46652), (253, 46604), (298, 46538), (301, 46532), (363, 46415), (366, 46409), (387, 46367), (419, 46307), (481, 46187), (502, 46124), (528, 46070), (539, 46049), (609, 45938),

Gene: Hedwig_28 Start: 22437, Stop: 23138, Start Num: 232
Candidate Starts for Hedwig_28:
(Start: 232 @22437 has 67 MA's), (250, 22455), (301, 22530), (309, 22545), (348, 22620), (386, 22692), (401, 22719), (420, 22746), (424, 22755), (428, 22764), (483, 22839), (486, 22845), (515, 22923), (519, 22929), (609, 23052), (628, 23082), (653, 23115),

Gene: Heinz_49 Start: 31743, Stop: 32606, Start Num: 168
Candidate Starts for Heinz_49:
(73, 31539), (100, 31623), (104, 31632), (153, 31713), (Start: 168 @31743 has 7 MA's), (303, 31926), (399, 32100), (421, 32133), (422, 32136), (434, 32169), (474, 32244), (480, 32250), (518, 32337), (583, 32448), (586, 32451), (591, 32457), (609, 32493), (623, 32520), (676, 32595),

Gene: Herod_25 Start: 22309, Stop: 22926, Start Num: 263
Candidate Starts for Herod_25:
(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: Hexbug_53 Start: 36488, Stop: 35637, Start Num: 125
Candidate Starts for Hexbug_53:
(26, 36890), (119, 36503), (Start: 125 @36488 has 9 MA's), (143, 36464), (174, 36410), (188, 36398), (243, 36341), (Start: 255 @36335 has 2 MA's), (276, 36308), (336, 36209), (337, 36206), (346, 36185), (348, 36182), (363, 36158), (385, 36113), (395, 36098), (397, 36095), (409, 36071), (421, 36044), (453, 35999), (501, 35909), (507, 35897), (547, 35837), (561, 35819), (675, 35660), (680, 35651),

Gene: Hibiscus_50 Start: 31692, Stop: 32555, Start Num: 168
Candidate Starts for Hibiscus_50:
(73, 31488), (100, 31572), (104, 31581), (153, 31662), (Start: 168 @31692 has 7 MA's), (303, 31875), (399, 32049), (421, 32082), (422, 32085), (434, 32118), (474, 32193), (480, 32199), (518, 32286), (583, 32397), (586, 32400), (591, 32406), (609, 32442), (623, 32469), (676, 32544),

Gene: HippoPololi_43 Start: 33061, Stop: 32297, Start Num: 159
Candidate Starts for HippoPololi_43:
(150, 33076), (Start: 159 @33061 has 67 MA's), (180, 33019), (243, 32956), (Start: 255 @32950 has 2 MA's), (Start: 273 @32926 has 30 MA's), (335, 32827), (342, 32812), (348, 32800), (370, 32761), (407, 32707), (418, 32686), (476, 32623), (512, 32545), (552, 32488), (609, 32416), (614, 32404), (680, 32311),

Gene: Hitter_25 Start: 21152, Stop: 21955, Start Num: 198
Candidate Starts for Hitter_25:
(Start: 198 @21152 has 35 MA's), (Start: 247 @21200 has 1 MA's), (Start: 256 @21212 has 1 MA's), (267, 21227), (344, 21356), (357, 21368), (375, 21407), (407, 21455), (411, 21467), (420, 21485), (425, 21497), (427, 21500), (428, 21503), (518, 21680), (532, 21701), (534, 21707), (637, 21863), (664, 21899), (678, 21923), (689, 21944),

Gene: Holliday_28 Start: 21606, Stop: 22229, Start Num: 273
Candidate Starts for Holliday_28:
(64, 21231), (85, 21288), (96, 21333), (120, 21387), (121, 21390), (Start: 145 @21426 has 3 MA's), (162, 21471), (165, 21474), (Start: 273 @21606 has 30 MA's), (Start: 278 @21612 has 2 MA's), (293, 21642), (301, 21657), (338, 21717), (380, 21798), (403, 21837), (434, 21909), (469, 21972), (497, 22017), (501, 22035), (512, 22056), (518, 22065), (627, 22197), (636, 22206), (644, 22218),

Gene: Hollow_45 Start: 47078, Stop: 46251, Start Num: 193
Candidate Starts for Hollow_45:
(Start: 193 @47078 has 51 MA's), (220, 47051), (Start: 263 @46985 has 12 MA's), (321, 46892), (439, 46679), (528, 46493), (533, 46481), (604, 46370), (622, 46331), (645, 46307), (648, 46301),

Gene: HomeFry_22 Start: 8565, Stop: 9368, Start Num: 178
Candidate Starts for HomeFry_22:
(86, 8367), (Start: 178 @8565 has 3 MA's), (268, 8664), (Start: 286 @8694 has 1 MA's), (287, 8697), (307, 8733), (316, 8754), (340, 8796), (403, 8910), (410, 8925), (419, 8943), (445, 8997), (512, 9141), (518, 9150), (547, 9195), (582, 9240), (598, 9264),

Gene: Horseradish_48 Start: 34002, Stop: 33154, Start Num: 159
Candidate Starts for Horseradish_48:
(118, 34062), (Start: 159 @34002 has 67 MA's), (Start: 233 @33906 has 66 MA's), (243, 33897), (312, 33807), (363, 33717), (365, 33714), (391, 33666), (397, 33657), (409, 33633), (424, 33600), (448, 33567), (466, 33528), (610, 33300), (614, 33291), (668, 33216), (673, 33207),

Gene: Hortense_25 Start: 21831, Stop: 22619, Start Num: 208
Candidate Starts for Hortense_25:
(Start: 198 @21819 has 35 MA's), (Start: 208 @21831 has 15 MA's), (Start: 219 @21843 has 3 MA's), (225, 21846), (Start: 247 @21873 has 1 MA's), (Start: 256 @21885 has 1 MA's), (294, 21936), (344, 22029), (373, 22074), (374, 22077), (375, 22080), (411, 22140), (420, 22158), (425, 22170), (427, 22173), (428, 22176), (480, 22266), (518, 22353), (624, 22521), (639, 22539), (664, 22575), (678, 22599),

Gene: Hortihabitatio_30 Start: 21725, Stop: 22510, Start Num: 233

Candidate Starts for Hortihabitatio_30:
(Start: 233 @21725 has 66 MA's), (288, 21812), (320, 21866), (400, 22013), (414, 22040), (421, 22055), (521, 22244), (523, 22247), (570, 22322), (589, 22352),

Gene: Horus_28 Start: 21523, Stop: 22146, Start Num: 273
Candidate Starts for Horus_28:
(64, 21148), (85, 21205), (96, 21250), (120, 21304), (121, 21307), (Start: 145 @21343 has 3 MA's), (162, 21388), (165, 21391), (Start: 273 @21523 has 30 MA's), (Start: 278 @21529 has 2 MA's), (293, 21559), (301, 21574), (338, 21634), (380, 21715), (403, 21754), (434, 21826), (469, 21889), (497, 21934), (501, 21952), (512, 21973), (518, 21982), (627, 22114), (636, 22123), (644, 22135),

Gene: Hotorobo_49 Start: 46596, Stop: 45739, Start Num: 193
Candidate Starts for Hotorobo_49:
(Start: 193 @46596 has 51 MA's), (220, 46572), (246, 46533), (Start: 255 @46518 has 2 MA's), (279, 46482), (301, 46443), (333, 46383), (342, 46365), (367, 46326), (385, 46290), (389, 46284), (481, 46113), (509, 46038), (520, 46008), (576, 45921), (614, 45846), (637, 45819), (679, 45759),

Gene: Howe_25 Start: 21873, Stop: 22619, Start Num: 247
Candidate Starts for Howe_25:
(Start: 198 @21819 has 35 MA's), (Start: 208 @21831 has 15 MA's), (Start: 219 @21843 has 3 MA's), (225, 21846), (Start: 247 @21873 has 1 MA's), (Start: 256 @21885 has 1 MA's), (294, 21936), (344, 22029), (373, 22074), (374, 22077), (375, 22080), (411, 22140), (420, 22158), (425, 22170), (427, 22173), (428, 22176), (480, 22266), (518, 22353), (624, 22521), (639, 22539), (664, 22575), (678, 22599),

Gene: HubbaBubba_15 Start: 6375, Stop: 7115, Start Num: 195
Candidate Starts for HubbaBubba_15:
(Start: 195 @6375 has 10 MA's), (Start: 286 @6435 has 1 MA's), (287, 6438), (293, 6450), (340, 6531), (429, 6705), (511, 6870), (588, 6996), (609, 7032), (644, 7086),

Gene: Hugley_25 Start: 22282, Stop: 22926, Start Num: 239
Candidate Starts for Hugley_25:
(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: Hydrus_31 Start: 22825, Stop: 23613, Start Num: 233
Candidate Starts for Hydrus_31:
(Start: 233 @22825 has 66 MA's), (282, 22900), (288, 22912), (320, 22966), (322, 22972), (348, 23017), (400, 23113), (410, 23131), (414, 23140), (419, 23149), (421, 23155), (521, 23344), (523, 23347), (530, 23362), (570, 23422), (657, 23569),

Gene: Hyzer_27 Start: 22843, Stop: 23631, Start Num: 207
Candidate Starts for Hyzer_27:
(92, 22639), (126, 22723), (141, 22744), (Start: 207 @22843 has 7 MA's), (225, 22858), (Start: 247 @22885 has 1 MA's), (Start: 256 @22897 has 1 MA's), (267, 22912), (344, 23041), (375, 23092), (407, 23140), (411, 23152), (425, 23182), (427, 23185), (428, 23188), (518, 23365), (532, 23386), (534, 23392), (561, 23428), (624, 23533), (664, 23587), (678, 23611),

Gene: IDyn_18 Start: 7766, Stop: 8506, Start Num: 195
Candidate Starts for IDyn_18:

(Start: 195 @7766 has 10 MA's), (Start: 286 @7826 has 1 MA's), (287, 7829), (293, 7841), (340, 7922), (419, 8072), (429, 8096), (445, 8129), (497, 8225), (511, 8261), (588, 8387), (609, 8423), (644, 8477),

Gene: InLimbo_25 Start: 19442, Stop: 20146, Start Num: 228
Candidate Starts for InLimbo_25:
(Start: 228 @19442 has 2 MA's), (301, 19538), (348, 19628), (361, 19649), (363, 19652), (375, 19676), (386, 19700), (388, 19703), (397, 19718), (420, 19754), (463, 19832), (490, 19859), (505, 19910), (515, 19931), (641, 20108), (662, 20138),

Gene: Inspectinfecti_45 Start: 39424, Stop: 40143, Start Num: 205
Candidate Starts for Inspectinfecti_45:
(Start: 205 @39424 has 17 MA's), (225, 39439), (Start: 255 @39478 has 2 MA's), (294, 39529), (339, 39589), (472, 39808), (486, 39817), (493, 39835), (518, 39895), (567, 39970), (633, 40069), (662, 40108), (674, 40129),

Gene: Invectra_25 Start: 21541, Stop: 22338, Start Num: 198
Candidate Starts for Invectra_25:
(106, 21391), (Start: 198 @21541 has 35 MA's), (Start: 207 @21550 has 7 MA's), (Start: 219 @21562 has 3 MA's), (225, 21565), (Start: 247 @21592 has 1 MA's), (Start: 256 @21604 has 1 MA's), (294, 21655), (344, 21748), (373, 21793), (374, 21796), (375, 21799), (411, 21859), (420, 21877), (425, 21889), (427, 21892), (428, 21895), (480, 21985), (518, 22072), (624, 22240), (664, 22294), (678, 22318),

Gene: JCole_22 Start: 18663, Stop: 19364, Start Num: 232
Candidate Starts for JCole_22:
(42, 18249), (44, 18252), (Start: 232 @18663 has 67 MA's), (287, 18729), (293, 18741), (301, 18753), (309, 18768), (316, 18783), (333, 18813), (355, 18852), (373, 18885), (375, 18891), (386, 18915), (388, 18918), (413, 18963), (420, 18969), (428, 18987), (486, 19071), (501, 19119), (515, 19149), (519, 19155), (529, 19176), (549, 19206), (609, 19278), (647, 19332), (662, 19353),

Gene: JKSyngboy_43 Start: 39922, Stop: 40665, Start Num: 200
Candidate Starts for JKSyngboy_43:
(Start: 200 @39922 has 54 MA's), (Start: 219 @39940 has 3 MA's), (Start: 256 @39985 has 1 MA's), (320, 40075), (339, 40105), (353, 40123), (361, 40135), (375, 40165), (394, 40192), (448, 40285), (450, 40297), (540, 40453), (549, 40465), (567, 40492), (590, 40525), (633, 40591), (655, 40618),

Gene: Jabberwocky_44 Start: 41084, Stop: 41818, Start Num: 200
Candidate Starts for Jabberwocky_44:
(Start: 159 @41027 has 67 MA's), (Start: 200 @41084 has 54 MA's), (Start: 219 @41102 has 3 MA's), (294, 41189), (311, 41216), (339, 41264), (353, 41282), (375, 41324), (424, 41402), (448, 41444), (464, 41477), (540, 41612), (567, 41651), (633, 41750), (655, 41777), (676, 41810),

Gene: Jablanski_28 Start: 22900, Stop: 23523, Start Num: 257
Candidate Starts for Jablanski_28:
(Start: 257 @22900 has 7 MA's), (279, 22909), (301, 22951), (320, 22987), (347, 23032), (362, 23053), (377, 23086), (403, 23131), (434, 23203), (445, 23218), (469, 23266), (497, 23311), (501, 23329), (512, 23350), (518, 23359), (560, 23413), (609, 23464), (627, 23491), (636, 23500), (638, 23503),

Gene: Jace_72 Start: 41711, Stop: 42511, Start Num: 221
Candidate Starts for Jace_72:
(Start: 221 @41711 has 1 MA's), (371, 41924), (431, 42038), (480, 42122), (500, 42176), (518, 42209), (526, 42224),

Gene: Jalammah_27 Start: 21946, Stop: 22749, Start Num: 198
Candidate Starts for Jalammah_27:
(Start: 198 @21946 has 35 MA's), (Start: 247 @21994 has 1 MA's), (Start: 256 @22006 has 1 MA's), (267, 22021), (294, 22057), (344, 22150), (375, 22201), (410, 22258), (411, 22261), (420, 22279), (425, 22291), (427, 22294), (428, 22297), (518, 22474), (532, 22495), (534, 22501), (664, 22693), (678, 22717), (689, 22738),

Gene: Jalebi_86 Start: 59669, Stop: 60520, Start Num: 223
Candidate Starts for Jalebi_86:
(Start: 201 @59645 has 9 MA's), (204, 59648), (Start: 223 @59669 has 36 MA's), (Start: 227 @59678 has 1 MA's), (242, 59699), (Start: 270 @59741 has 1 MA's), (Start: 273 @59747 has 30 MA's), (299, 59792), (355, 59897), (360, 59906), (373, 59933), (378, 59945), (398, 59984), (493, 60164), (517, 60230), (521, 60239), (537, 60269), (557, 60296), (572, 60320), (603, 60374), (620, 60419), (629, 60431), (670, 60497),

Gene: Jalleen_24 Start: 19494, Stop: 20144, Start Num: 279
Candidate Starts for Jalleen_24:
(134, 19293), (Start: 232 @19437 has 67 MA's), (279, 19494), (301, 19533), (333, 19593), (342, 19611), (343, 19614), (355, 19632), (374, 19668), (393, 19704), (401, 19722), (421, 19752), (463, 19827), (515, 19926), (519, 19932), (662, 20136),

Gene: Jambalaya_44 Start: 35970, Stop: 36725, Start Num: 203
Candidate Starts for Jambalaya_44:
(140, 35874), (Start: 203 @35970 has 34 MA's), (Start: 264 @36042 has 16 MA's), (338, 36150), (372, 36195), (474, 36345), (480, 36351), (493, 36378), (511, 36426), (578, 36528), (632, 36612), (681, 36684),

Gene: Jamemuya19_82 Start: 56791, Stop: 57642, Start Num: 223
Candidate Starts for Jamemuya19_82:
(Start: 201 @56767 has 9 MA's), (204, 56770), (Start: 223 @56791 has 36 MA's), (Start: 227 @56800 has 1 MA's), (Start: 235 @56812 has 4 MA's), (242, 56821), (Start: 270 @56863 has 1 MA's), (Start: 273 @56869 has 30 MA's), (299, 56914), (353, 57016), (355, 57019), (373, 57055), (378, 57067), (398, 57106), (412, 57136), (414, 57139), (420, 57151), (421, 57154), (493, 57286), (517, 57352), (521, 57361), (537, 57391), (557, 57418), (570, 57439), (603, 57496), (620, 57541), (670, 57619),

Gene: Jamzy_50 Start: 34382, Stop: 33534, Start Num: 125
Candidate Starts for Jamzy_50:
(119, 34397), (Start: 125 @34382 has 9 MA's), (135, 34367), (171, 34313), (174, 34307), (Start: 191 @34292 has 9 MA's), (Start: 233 @34247 has 66 MA's), (243, 34238), (Start: 255 @34232 has 2 MA's), (276, 34205), (324, 34118), (336, 34106), (337, 34103), (348, 34079), (374, 34031), (385, 34010), (409, 33968), (415, 33956), (424, 33938), (543, 33743), (552, 33731), (653, 33593),

Gene: JasperJr_25 Start: 21156, Stop: 21959, Start Num: 198
Candidate Starts for JasperJr_25:
(Start: 198 @21156 has 35 MA's), (Start: 247 @21204 has 1 MA's), (Start: 256 @21216 has 1 MA's), (267, 21231), (294, 21267), (344, 21360), (375, 21411), (410, 21468), (411, 21471), (420, 21489), (425, 21501), (427, 21504), (428, 21507), (518, 21684), (532, 21705), (534, 21711), (637, 21867), (664, 21903), (678, 21927), (689, 21948),

Gene: JeanGrey_131 Start: 99191, Stop: 99985, Start Num: 233
Candidate Starts for JeanGrey_131:
(224, 99176), (Start: 233 @99191 has 66 MA's), (280, 99260), (320, 99323), (402, 99482), (416, 99506), (421, 99518), (478, 99623), (516, 99698), (530, 99725), (559, 99767), (572, 99788), (579,

99803), (657, 99935), (670, 99959), (677, 99968),

Gene: Jecs_27 Start: 21746, Stop: 22459, Start Num: 232
Candidate Starts for Jecs_27:
(183, 21689), (Start: 232 @21746 has 67 MA's), (301, 21839), (309, 21854), (324, 21890), (333, 21899), (361, 21950), (375, 21977), (386, 22001), (424, 22064), (428, 22073), (481, 22148), (511, 22223), (515, 22235), (519, 22241),

Gene: JellyBelly_42 Start: 35092, Stop: 35814, Start Num: 234
Candidate Starts for JellyBelly_42:
(25, 34513), (Start: 234 @35092 has 15 MA's), (333, 35248), (337, 35254), (361, 35299), (373, 35323), (393, 35362), (397, 35371), (401, 35380), (420, 35407), (421, 35410), (501, 35557), (515, 35587), (519, 35593), (599, 35704), (610, 35728), (647, 35779), (658, 35794),

Gene: Jellybones_52 Start: 47697, Stop: 46843, Start Num: 193
Candidate Starts for Jellybones_52:
(66, 47964), (75, 47940), (Start: 193 @47697 has 51 MA's), (220, 47673), (Start: 255 @47619 has 2 MA's), (301, 47544), (333, 47484), (342, 47466), (360, 47442), (367, 47427), (385, 47391), (389, 47385), (481, 47217), (509, 47142), (576, 47025), (614, 46950), (637, 46923), (679, 46863),

Gene: Jifall16_18 Start: 8868, Stop: 9593, Start Num: 189
Candidate Starts for Jifall16_18:
(Start: 189 @8868 has 22 MA's), (216, 8892), (Start: 286 @8925 has 1 MA's), (287, 8928), (309, 8964), (316, 8979), (340, 9021), (419, 9168), (511, 9360), (576, 9462), (598, 9492), (609, 9513), (617, 9528), (659, 9588),

Gene: Jodelie19_31 Start: 23744, Stop: 24532, Start Num: 233
Candidate Starts for Jodelie19_31:
(Start: 233 @23744 has 66 MA's), (Start: 263 @23789 has 12 MA's), (282, 23819), (288, 23831), (320, 23885), (400, 24032), (421, 24074), (460, 24158), (521, 24263), (523, 24266), (570, 24341), (657, 24488),

Gene: John316_53 Start: 47754, Stop: 46897, Start Num: 193
Candidate Starts for John316_53:
(Start: 193 @47754 has 51 MA's), (220, 47730), (246, 47691), (Start: 255 @47676 has 2 MA's), (279, 47640), (301, 47601), (333, 47541), (342, 47523), (367, 47484), (385, 47448), (389, 47442), (481, 47271), (509, 47196), (520, 47166), (576, 47079), (614, 47004), (637, 46977), (679, 46917),

Gene: JohnPork_45 Start: 35691, Stop: 36446, Start Num: 203
Candidate Starts for JohnPork_45:
(140, 35595), (Start: 203 @35691 has 34 MA's), (Start: 264 @35763 has 16 MA's), (294, 35799), (338, 35871), (474, 36066), (480, 36072), (493, 36099), (578, 36249), (632, 36333), (681, 36405),

Gene: Jojo24_48 Start: 32326, Stop: 33183, Start Num: 168
Candidate Starts for Jojo24_48:
(2, 30784), (6, 31171), (7, 31207), (8, 31291), (12, 31480), (14, 31555), (17, 31585), (19, 31714), (68, 32113), (100, 32212), (104, 32221), (119, 32251), (142, 32281), (149, 32290), (153, 32296), (Start: 168 @32326 has 7 MA's), (303, 32509), (399, 32677), (421, 32710), (422, 32713), (434, 32746), (447, 32767), (474, 32821), (480, 32827), (518, 32914), (583, 33025), (586, 33028), (591, 33034), (609, 33070), (623, 33097), (676, 33172),

Gene: JuJu_26 Start: 21224, Stop: 22018, Start Num: 195
Candidate Starts for JuJu_26:

(Start: 195 @21224 has 10 MA's), (Start: 247 @21266 has 1 MA's), (Start: 256 @21278 has 1 MA's), (294, 21329), (344, 21422), (375, 21473), (410, 21530), (411, 21533), (420, 21551), (425, 21563), (427, 21566), (428, 21569), (518, 21746), (532, 21767), (664, 21965), (678, 21989), (689, 22007),

Gene: JulesRay_27 Start: 19348, Stop: 20133, Start Num: 233
Candidate Starts for JulesRay_27:
(Start: 233 @19348 has 66 MA's), (Start: 263 @19393 has 12 MA's), (320, 19489), (322, 19495), (398, 19633), (416, 19666), (421, 19678), (521, 19867), (523, 19870), (570, 19945), (657, 20092),

Gene: Jumbo_41 Start: 43925, Stop: 44704, Start Num: 235
Candidate Starts for Jumbo_41:
(Start: 235 @43925 has 4 MA's), (276, 43979), (294, 44015), (352, 44117), (364, 44138), (376, 44162), (422, 44240), (463, 44330), (479, 44348), (508, 44411), (522, 44441), (542, 44477), (577, 44528),

Gene: Kabluna_21 Start: 8839, Stop: 9630, Start Num: 191
Candidate Starts for Kabluna_21:
(Start: 191 @8839 has 9 MA's), (230, 8884), (275, 8947), (282, 8959), (Start: 286 @8965 has 1 MA's), (293, 8980), (309, 9004), (314, 9013), (340, 9061), (362, 9097), (419, 9208), (428, 9229), (436, 9250), (598, 9535), (609, 9556), (612, 9565), (617, 9571), (640, 9604),

Gene: Kabocha_32 Start: 22381, Stop: 23079, Start Num: 229
Candidate Starts for Kabocha_32:
(Start: 217 @22363 has 6 MA's), (Start: 229 @22381 has 14 MA's), (285, 22444), (305, 22480), (341, 22540), (347, 22552), (362, 22573), (377, 22606), (395, 22636), (397, 22639), (408, 22660), (410, 22666), (412, 22672), (422, 22693), (480, 22798), (486, 22807), (512, 22876), (514, 22882), (538, 22918), (550, 22930), (598, 22969), (609, 22990), (654, 23059), (663, 23071), (665, 23074),

Gene: Kamaru_28 Start: 21606, Stop: 22229, Start Num: 273
Candidate Starts for Kamaru_28:
(64, 21231), (85, 21288), (96, 21333), (120, 21387), (121, 21390), (Start: 145 @21426 has 3 MA's), (162, 21471), (165, 21474), (Start: 273 @21606 has 30 MA's), (Start: 278 @21612 has 2 MA's), (293, 21642), (301, 21657), (338, 21717), (380, 21798), (403, 21837), (434, 21909), (469, 21972), (497, 22017), (501, 22035), (512, 22056), (518, 22065), (627, 22197), (636, 22206), (644, 22218),

Gene: Kamashten_43 Start: 39019, Stop: 39753, Start Num: 200
Candidate Starts for Kamashten_43:
(Start: 159 @38962 has 67 MA's), (Start: 200 @39019 has 54 MA's), (Start: 219 @39037 has 3 MA's), (294, 39124), (311, 39151), (339, 39199), (353, 39217), (375, 39259), (424, 39337), (448, 39379), (464, 39412), (540, 39547), (567, 39586), (633, 39685), (655, 39712), (676, 39745),

Gene: Kampe_40 Start: 40828, Stop: 41550, Start Num: 240
Candidate Starts for Kampe_40:
(Start: 240 @40828 has 5 MA's), (276, 40882), (325, 40975), (375, 41056), (392, 41089), (434, 41167), (522, 41329), (573, 41389), (642, 41503),

Gene: KappaFarmDelta_27 Start: 21652, Stop: 22440, Start Num: 195
Candidate Starts for KappaFarmDelta_27:
(34, 21259), (62, 21388), (98, 21499), (109, 21526), (127, 21562), (Start: 195 @21652 has 10 MA's), (Start: 247 @21694 has 1 MA's), (Start: 256 @21706 has 1 MA's), (294, 21757), (344, 21850), (375, 21901), (407, 21949), (410, 21958), (411, 21961), (420, 21979), (425, 21991), (427, 21994), (428, 21997), (518, 22174), (532, 22195), (664, 22393), (678, 22417),

Gene: Katyusha_44 Start: 46742, Stop: 45915, Start Num: 193

Candidate Starts for Katyusha_44:
(Start: 193 @46742 has 51 MA's), (220, 46715), (Start: 263 @46649 has 12 MA's), (321, 46556), (439, 46343), (501, 46214), (528, 46157), (604, 46034), (622, 45995), (645, 45971), (648, 45965),

Gene: KayGee_48 Start: 35490, Stop: 34687, Start Num: 159
Candidate Starts for KayGee_48:
(118, 35550), (Start: 159 @35490 has 67 MA's), (312, 35283), (343, 35229), (357, 35208), (366, 35190), (370, 35181), (391, 35154), (459, 35043), (476, 35025), (495, 34992), (549, 34890), (552, 34887), (609, 34809), (610, 34806), (658, 34740), (680, 34701), (687, 34692),

Gene: Keitabear_45 Start: 40674, Stop: 41408, Start Num: 200
Candidate Starts for Keitabear_45:
(Start: 189 @40668 has 22 MA's), (Start: 200 @40674 has 54 MA's), (Start: 219 @40692 has 3 MA's), (294, 40779), (311, 40806), (339, 40854), (353, 40872), (375, 40914), (424, 40992), (448, 41034), (464, 41067), (540, 41202), (567, 41241), (633, 41340), (655, 41367), (676, 41400),

Gene: Kelzog_51 Start: 46525, Stop: 45746, Start Num: 255
Candidate Starts for Kelzog_51:
(Start: 193 @46603 has 51 MA's), (220, 46579), (246, 46540), (Start: 255 @46525 has 2 MA's), (279, 46489), (301, 46450), (333, 46390), (342, 46372), (367, 46333), (385, 46297), (389, 46291), (481, 46120), (509, 46045), (520, 46015), (576, 45928), (614, 45853), (637, 45826), (679, 45766),

Gene: Kenna_27 Start: 21499, Stop: 22122, Start Num: 273
Candidate Starts for Kenna_27:
(64, 21124), (85, 21181), (96, 21226), (120, 21280), (121, 21283), (Start: 145 @21319 has 3 MA's), (162, 21364), (165, 21367), (Start: 273 @21499 has 30 MA's), (Start: 278 @21505 has 2 MA's), (293, 21535), (301, 21550), (338, 21610), (377, 21685), (403, 21730), (420, 21766), (434, 21802), (469, 21865), (497, 21910), (501, 21928), (512, 21949), (524, 21970), (627, 22090), (636, 22099), (644, 22111),

Gene: Kenosha_30 Start: 22860, Stop: 23648, Start Num: 233
Candidate Starts for Kenosha_30:
(Start: 233 @22860 has 66 MA's), (Start: 263 @22905 has 12 MA's), (288, 22947), (320, 23001), (322, 23007), (365, 23082), (419, 23184), (521, 23379), (523, 23382), (530, 23397), (570, 23457), (587, 23484), (657, 23604),

Gene: Kerry_27 Start: 19428, Stop: 20213, Start Num: 233
Candidate Starts for Kerry_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: Kewpiedoll_45 Start: 39960, Stop: 40694, Start Num: 200
Candidate Starts for Kewpiedoll_45:
(Start: 159 @39903 has 67 MA's), (Start: 200 @39960 has 54 MA's), (Start: 219 @39978 has 3 MA's), (294, 40065), (311, 40092), (339, 40140), (353, 40158), (375, 40200), (424, 40278), (448, 40320), (464, 40353), (540, 40488), (567, 40527), (633, 40626), (655, 40653), (676, 40686),

Gene: KidneyBean_19 Start: 9147, Stop: 9872, Start Num: 189
Candidate Starts for KidneyBean_19:
(Start: 189 @9147 has 22 MA's), (216, 9171), (Start: 286 @9204 has 1 MA's), (287, 9207), (309, 9243), (316, 9258), (340, 9300), (419, 9447), (511, 9639), (576, 9741), (598, 9771), (609, 9792), (617, 9807), (659, 9867),

Gene: Kiko_27 Start: 21413, Stop: 22117, Start Num: 233
Candidate Starts for Kiko_27:
(Start: 233 @21413 has 66 MA's), (287, 21482), (301, 21506), (333, 21566), (348, 21596), (355, 21605), (373, 21638), (386, 21668), (388, 21671), (401, 21695), (420, 21722), (439, 21761), (486, 21824), (501, 21872), (515, 21902), (519, 21908), (529, 21929), (549, 21959),

Gene: KimmyK_45 Start: 36905, Stop: 37660, Start Num: 203
Candidate Starts for KimmyK_45:
(152, 36827), (Start: 203 @36905 has 34 MA's), (Start: 264 @36977 has 16 MA's), (338, 37085), (372, 37130), (474, 37280), (480, 37286), (493, 37313), (511, 37361), (578, 37463), (632, 37547), (681, 37619),

Gene: Kita_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Kita_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Kroos_46 Start: 40063, Stop: 40806, Start Num: 200
Candidate Starts for Kroos_46:
(Start: 200 @40063 has 54 MA's), (Start: 219 @40081 has 3 MA's), (Start: 256 @40126 has 1 MA's), (294, 40171), (339, 40246), (353, 40264), (375, 40306), (394, 40333), (448, 40426), (450, 40438), (540, 40594), (549, 40606), (567, 40633), (590, 40666), (633, 40732), (655, 40759),

Gene: Kudefre_120 Start: 65328, Stop: 66050, Start Num: 215
Candidate Starts for Kudefre_120:
(Start: 215 @65328 has 4 MA's), (Start: 255 @65376 has 2 MA's), (276, 65403), (Start: 286 @65418 has 1 MA's), (374, 65550), (420, 65619), (496, 65760), (505, 65790), (556, 65862), (613, 65934), (685, 66033), (687, 66036),

Gene: Kurt_19 Start: 9384, Stop: 10109, Start Num: 189
Candidate Starts for Kurt_19:
(Start: 189 @9384 has 22 MA's), (216, 9408), (Start: 286 @9441 has 1 MA's), (287, 9444), (309, 9480), (316, 9495), (340, 9537), (419, 9684), (511, 9876), (576, 9978), (598, 10008), (609, 10029), (617, 10044), (659, 10104),

Gene: Kuwabara_27 Start: 20925, Stop: 21548, Start Num: 273
Candidate Starts for Kuwabara_27:
(64, 20550), (85, 20607), (96, 20652), (120, 20706), (121, 20709), (Start: 145 @20745 has 3 MA's), (162, 20790), (165, 20793), (Start: 273 @20925 has 30 MA's), (Start: 278 @20931 has 2 MA's), (293, 20961), (301, 20976), (338, 21036), (377, 21111), (403, 21156), (420, 21192), (434, 21228), (469, 21291), (501, 21354), (512, 21375), (518, 21384), (562, 21441), (627, 21516), (636, 21525),

Gene: Kvothe_44 Start: 46641, Stop: 45814, Start Num: 193
Candidate Starts for Kvothe_44:
(Start: 193 @46641 has 51 MA's), (220, 46614), (Start: 263 @46548 has 12 MA's), (321, 46455), (439, 46242), (501, 46113), (528, 46056), (604, 45933), (622, 45894), (645, 45870), (648, 45864),

Gene: Kwekel_57 Start: 43609, Stop: 44388, Start Num: 159
Candidate Starts for Kwekel_57:
(87, 43447), (107, 43513), (113, 43528), (Start: 159 @43609 has 67 MA's), (167, 43630), (Start: 235 @43708 has 4 MA's), (Start: 255 @43723 has 2 MA's), (290, 43768), (345, 43858), (365, 43891), (453,

44023), (476, 44050), (507, 44119), (540, 44173), (586, 44221), (668, 44344), (685, 44374),

Gene: Kwobi_47 Start: 40049, Stop: 40792, Start Num: 200
Candidate Starts for Kwobi_47:
(Start: 200 @40049 has 54 MA's), (Start: 219 @40067 has 3 MA's), (Start: 256 @40112 has 1 MA's), (294, 40157), (339, 40232), (353, 40250), (361, 40262), (375, 40292), (394, 40319), (448, 40412), (450, 40424), (540, 40580), (549, 40592), (567, 40619), (590, 40652), (633, 40718), (655, 40745),

Gene: Lamberg_23 Start: 18707, Stop: 19408, Start Num: 232
Candidate Starts for Lamberg_23:
(220, 18689), (Start: 223 @18692 has 36 MA's), (Start: 232 @18707 has 67 MA's), (301, 18800), (309, 18815), (324, 18851), (373, 18932), (388, 18965), (393, 18971), (420, 19016), (439, 19055), (515, 19193), (519, 19199), (532, 19223), (540, 19238), (662, 19400),

Gene: Lambo_86 Start: 58781, Stop: 59629, Start Num: 223
Candidate Starts for Lambo_86:
(Start: 201 @58757 has 9 MA's), (204, 58760), (210, 58769), (Start: 223 @58781 has 36 MA's), (Start: 235 @58799 has 4 MA's), (242, 58808), (Start: 270 @58850 has 1 MA's), (Start: 273 @58856 has 30 MA's), (299, 58901), (355, 59006), (373, 59042), (378, 59054), (412, 59123), (414, 59126), (420, 59138), (493, 59273), (517, 59339), (521, 59348), (537, 59378), (570, 59426), (572, 59429), (603, 59483), (620, 59528), (629, 59540), (670, 59606),

Gene: Lauer_43 Start: 36512, Stop: 35706, Start Num: 159
Candidate Starts for Lauer_43:
(118, 36572), (Start: 159 @36512 has 67 MA's), (312, 36305), (343, 36251), (357, 36230), (366, 36212), (370, 36203), (391, 36176), (459, 36065), (476, 36047), (495, 36014), (549, 35912), (552, 35909), (609, 35831), (610, 35828), (658, 35762), (680, 35723), (687, 35711),

Gene: LavAbarElk_86 Start: 57842, Stop: 58693, Start Num: 223
Candidate Starts for LavAbarElk_86:
(Start: 201 @57818 has 9 MA's), (204, 57821), (Start: 223 @57842 has 36 MA's), (Start: 227 @57851 has 1 MA's), (242, 57872), (Start: 270 @57914 has 1 MA's), (Start: 273 @57920 has 30 MA's), (355, 58070), (360, 58079), (373, 58106), (378, 58118), (398, 58157), (493, 58337), (517, 58403), (521, 58412), (537, 58442), (557, 58469), (572, 58493), (603, 58547), (620, 58592), (629, 58604), (670, 58670),

Gene: Lennon_45 Start: 40763, Stop: 41497, Start Num: 200
Candidate Starts for Lennon_45:
(Start: 159 @40706 has 67 MA's), (Start: 200 @40763 has 54 MA's), (Start: 219 @40781 has 3 MA's), (294, 40868), (311, 40895), (339, 40943), (353, 40961), (375, 41003), (424, 41081), (448, 41123), (464, 41156), (540, 41291), (567, 41330), (633, 41429), (655, 41456), (676, 41489),

Gene: Lenoshki_31 Start: 23245, Stop: 23943, Start Num: 229
Candidate Starts for Lenoshki_31:
(Start: 217 @23227 has 6 MA's), (Start: 229 @23245 has 14 MA's), (285, 23308), (305, 23344), (347, 23416), (362, 23437), (377, 23470), (395, 23500), (397, 23503), (408, 23524), (410, 23530), (412, 23536), (422, 23557), (480, 23662), (486, 23671), (512, 23740), (514, 23746), (538, 23782), (550, 23794), (598, 23833), (654, 23923), (663, 23935), (665, 23938),

Gene: Leonard_44 Start: 39063, Stop: 39782, Start Num: 205
Candidate Starts for Leonard_44:
(Start: 205 @39063 has 17 MA's), (225, 39078), (Start: 255 @39117 has 2 MA's), (288, 39156), (294, 39168), (319, 39207), (339, 39228), (472, 39447), (486, 39456), (493, 39474), (499, 39495), (518,

39534), (567, 39609), (633, 39708), (662, 39747), (674, 39768),

Gene: Leroy_28 Start: 21524, Stop: 22147, Start Num: 273
Candidate Starts for Leroy_28:
(64, 21149), (85, 21206), (96, 21251), (120, 21305), (121, 21308), (Start: 145 @21344 has 3 MA's), (162, 21389), (165, 21392), (Start: 273 @21524 has 30 MA's), (Start: 278 @21530 has 2 MA's), (293, 21560), (301, 21575), (338, 21635), (380, 21716), (403, 21755), (434, 21827), (469, 21890), (497, 21935), (501, 21953), (512, 21974), (518, 21983), (627, 22115), (636, 22124), (644, 22136),

Gene: Ligma_42 Start: 35273, Stop: 35995, Start Num: 234
Candidate Starts for Ligma_42:
(40, 34883), (93, 35060), (146, 35168), (Start: 234 @35273 has 15 MA's), (337, 35435), (361, 35480), (393, 35543), (401, 35561), (420, 35588), (463, 35666), (465, 35669), (501, 35738), (515, 35768), (519, 35774), (649, 35963),

Gene: LilHam_43 Start: 38650, Stop: 39393, Start Num: 200
Candidate Starts for LilHam_43:
(Start: 200 @38650 has 54 MA's), (Start: 219 @38668 has 3 MA's), (Start: 256 @38713 has 1 MA's), (294, 38758), (339, 38833), (353, 38851), (375, 38893), (448, 39013), (450, 39025), (520, 39145), (540, 39181), (549, 39193), (567, 39220), (590, 39253), (607, 39286), (633, 39319), (655, 39346),

Gene: LilJank_117 Start: 66997, Stop: 67728, Start Num: 209
Candidate Starts for LilJank_117:
(Start: 209 @66997 has 10 MA's), (225, 67012), (260, 67057), (266, 67066), (290, 67105), (311, 67141), (355, 67195), (397, 67261), (433, 67327), (446, 67348), (480, 67405), (540, 67525), (571, 67561), (580, 67570), (595, 67585), (692, 67720),

Gene: Lila22_87 Start: 59144, Stop: 59992, Start Num: 223
Candidate Starts for Lila22_87:
(Start: 201 @59120 has 9 MA's), (204, 59123), (Start: 208 @59129 has 15 MA's), (Start: 223 @59144 has 36 MA's), (Start: 235 @59162 has 4 MA's), (242, 59171), (Start: 270 @59213 has 1 MA's), (Start: 273 @59219 has 30 MA's), (299, 59264), (355, 59369), (373, 59405), (378, 59417), (412, 59486), (414, 59489), (420, 59501), (493, 59636), (517, 59702), (521, 59711), (537, 59741), (570, 59789), (572, 59792), (603, 59846), (620, 59891), (629, 59903), (670, 59969),

Gene: Lilas_27 Start: 22035, Stop: 22775, Start Num: 214
Candidate Starts for Lilas_27:
(Start: 211 @22032 has 1 MA's), (Start: 214 @22035 has 1 MA's), (Start: 232 @22059 has 67 MA's), (Start: 247 @22077 has 1 MA's), (287, 22131), (333, 22215), (355, 22254), (374, 22290), (386, 22317), (420, 22371), (428, 22389), (486, 22482), (515, 22560), (519, 22566), (647, 22743), (660, 22761),

Gene: Lilbeanie_44 Start: 35096, Stop: 35851, Start Num: 207
Candidate Starts for Lilbeanie_44:
(166, 35048), (Start: 207 @35096 has 7 MA's), (225, 35111), (Start: 256 @35150 has 1 MA's), (Start: 264 @35162 has 16 MA's), (267, 35165), (355, 35306), (375, 35345), (406, 35390), (448, 35471), (493, 35540), (504, 35576), (518, 35600),

Gene: Linetti_51 Start: 47526, Stop: 46666, Start Num: 193
Candidate Starts for Linetti_51:
(Start: 193 @47526 has 51 MA's), (220, 47502), (Start: 255 @47448 has 2 MA's), (279, 47412), (301, 47373), (333, 47313), (342, 47295), (367, 47256), (385, 47220), (389, 47214), (481, 47043), (509, 46968), (520, 46938), (576, 46851), (637, 46749), (675, 46695), (679, 46689),

Gene: LitninMcQueen_27 Start: 21255, Stop: 21878, Start Num: 273
Candidate Starts for LitninMcQueen_27:
(64, 20880), (85, 20937), (96, 20982), (120, 21036), (121, 21039), (Start: 145 @21075 has 3 MA's), (162, 21120), (165, 21123), (Start: 273 @21255 has 30 MA's), (Start: 278 @21261 has 2 MA's), (293, 21291), (301, 21306), (338, 21366), (403, 21486), (434, 21558), (469, 21621), (497, 21666), (501, 21684), (512, 21705), (518, 21714), (627, 21846), (636, 21855), (644, 21867),

Gene: LittleMunchkin_44 Start: 38558, Stop: 39280, Start Num: 232
Candidate Starts for LittleMunchkin_44:
(105, 38360), (138, 38423), (146, 38432), (Start: 232 @38558 has 67 MA's), (333, 38717), (337, 38723), (348, 38747), (361, 38768), (369, 38783), (393, 38831), (421, 38879), (465, 38954), (501, 39023), (515, 39053), (552, 39113), (592, 39161), (658, 39260),

Gene: Lizzo_49 Start: 46585, Stop: 45728, Start Num: 193
Candidate Starts for Lizzo_49:
(Start: 193 @46585 has 51 MA's), (220, 46561), (246, 46522), (Start: 255 @46507 has 2 MA's), (279, 46471), (301, 46432), (333, 46372), (342, 46354), (367, 46315), (385, 46279), (389, 46273), (481, 46102), (509, 46027), (520, 45997), (576, 45910), (614, 45835), (637, 45808), (679, 45748),

Gene: Lollipop1437_23 Start: 10516, Stop: 11289, Start Num: 189
Candidate Starts for Lollipop1437_23:
(Start: 189 @10516 has 22 MA's), (Start: 286 @10624 has 1 MA's), (287, 10627), (316, 10678), (340, 10720), (403, 10834), (428, 10888), (609, 11209), (644, 11263),

Gene: LonelyBoi_27 Start: 22523, Stop: 23143, Start Num: 273
Candidate Starts for LonelyBoi_27:
(194, 22436), (Start: 273 @22523 has 30 MA's), (Start: 278 @22529 has 2 MA's), (293, 22559), (301, 22574), (303, 22577), (320, 22610), (347, 22655), (377, 22709), (403, 22754), (434, 22826), (469, 22889), (501, 22952), (560, 23033), (627, 23111), (636, 23120), (638, 23123),

Gene: LordFarquaad_24 Start: 19791, Stop: 20498, Start Num: 232
Candidate Starts for LordFarquaad_24:
(134, 19647), (Start: 232 @19791 has 67 MA's), (279, 19848), (301, 19887), (333, 19947), (342, 19965), (343, 19968), (355, 19986), (374, 20022), (375, 20025), (393, 20058), (401, 20076), (420, 20103), (463, 20181), (501, 20250), (515, 20280), (519, 20286), (662, 20490),

Gene: Love_49 Start: 41211, Stop: 41945, Start Num: 200
Candidate Starts for Love_49:
(107, 41064), (Start: 159 @41154 has 67 MA's), (Start: 200 @41211 has 54 MA's), (Start: 219 @41229 has 3 MA's), (294, 41316), (311, 41343), (339, 41391), (353, 41409), (375, 41451), (424, 41529), (448, 41571), (464, 41604), (540, 41739), (567, 41778), (633, 41877), (655, 41904), (676, 41937),

Gene: Lton_23 Start: 18736, Stop: 19437, Start Num: 232
Candidate Starts for Lton_23:
(220, 18718), (Start: 223 @18721 has 36 MA's), (Start: 232 @18736 has 67 MA's), (309, 18844), (324, 18880), (373, 18961), (388, 18994), (393, 19000), (420, 19045), (439, 19084), (515, 19222), (519, 19228), (556, 19285), (662, 19429),

Gene: Lucky10_24 Start: 19603, Stop: 20307, Start Num: 232
Candidate Starts for Lucky10_24:
(Start: 232 @19603 has 67 MA's), (279, 19660), (301, 19699), (348, 19789), (361, 19810), (363, 19813), (375, 19837), (386, 19861), (388, 19864), (397, 19879), (420, 19915), (463, 19993), (490, 20020), (505, 20071), (515, 20092), (641, 20269), (662, 20299),

Gene: LuckyLeo_84 Start: 58457, Stop: 59287, Start Num: 235
Candidate Starts for LuckyLeo_84:
(Start: 201 @58415 has 9 MA's), (204, 58418), (210, 58427), (Start: 223 @58439 has 36 MA's), (Start: 235 @58457 has 4 MA's), (242, 58466), (Start: 257 @58490 has 7 MA's), (Start: 270 @58508 has 1 MA's), (302, 58565), (373, 58700), (392, 58739), (398, 58751), (414, 58784), (420, 58796), (429, 58817), (478, 58904), (493, 58931), (523, 59009), (537, 59036), (541, 59042), (553, 59057), (557, 59063), (603, 59141), (616, 59177), (672, 59267),

Gene: Luthien_30 Start: 22308, Stop: 23096, Start Num: 233
Candidate Starts for Luthien_30:
(Start: 233 @22308 has 66 MA's), (Start: 263 @22353 has 12 MA's), (282, 22383), (320, 22449), (400, 22596), (419, 22632), (421, 22638), (521, 22827), (523, 22830), (559, 22887), (570, 22905), (587, 22932), (657, 23052),

Gene: Lutum_28 Start: 21499, Stop: 22122, Start Num: 273
Candidate Starts for Lutum_28:
(64, 21124), (85, 21181), (96, 21226), (120, 21280), (121, 21283), (Start: 145 @21319 has 3 MA's), (162, 21364), (165, 21367), (Start: 273 @21499 has 30 MA's), (Start: 278 @21505 has 2 MA's), (293, 21535), (301, 21550), (338, 21610), (377, 21685), (403, 21730), (420, 21766), (434, 21802), (469, 21865), (497, 21910), (501, 21928), (512, 21949), (524, 21970), (627, 22090), (636, 22099), (644, 22111),

Gene: Lysidious_26 Start: 21676, Stop: 22476, Start Num: 198
Candidate Starts for Lysidious_26:
(Start: 198 @21676 has 35 MA's), (Start: 247 @21724 has 1 MA's), (Start: 256 @21736 has 1 MA's), (267, 21751), (294, 21787), (344, 21880), (374, 21928), (375, 21931), (407, 21979), (411, 21991), (420, 22009), (425, 22021), (427, 22024), (428, 22027), (518, 22204), (532, 22225), (534, 22231), (664, 22423), (678, 22447),

Gene: MAnor_48 Start: 35832, Stop: 35035, Start Num: 159
Candidate Starts for MAnor_48:
(118, 35892), (Start: 159 @35832 has 67 MA's), (Start: 217 @35760 has 6 MA's), (Start: 240 @35739 has 5 MA's), (312, 35631), (343, 35577), (366, 35538), (381, 35517), (476, 35373), (495, 35340), (552, 35235), (609, 35157), (658, 35088), (664, 35079), (680, 35049), (687, 35040),

Gene: MScarn_50 Start: 34184, Stop: 33336, Start Num: 159
Candidate Starts for MScarn_50:
(118, 34244), (Start: 159 @34184 has 67 MA's), (Start: 233 @34088 has 66 MA's), (243, 34079), (312, 33989), (363, 33899), (365, 33896), (391, 33848), (397, 33839), (409, 33815), (424, 33782), (448, 33749), (466, 33710), (610, 33482), (614, 33473), (668, 33398), (673, 33389),

Gene: MaVan_42 Start: 33215, Stop: 32457, Start Num: 159
Candidate Starts for MaVan_42:
(Start: 159 @33215 has 67 MA's), (180, 33176), (202, 33158), (Start: 233 @33122 has 66 MA's), (Start: 255 @33107 has 2 MA's), (Start: 273 @33083 has 30 MA's), (298, 33047), (312, 33023), (342, 32969), (407, 32864), (418, 32843), (476, 32783), (512, 32705), (540, 32660), (586, 32615), (664, 32501), (671, 32486),

Gene: MacGully_23 Start: 9496, Stop: 10359, Start Num: 201
Candidate Starts for MacGully_23:
(47, 9142), (57, 9184), (Start: 201 @9496 has 9 MA's), (249, 9559), (259, 9574), (319, 9679), (323, 9691), (339, 9712), (382, 9802), (397, 9829), (414, 9853), (428, 9883), (435, 9904), (480, 9979), (515,

10066), (540, 10111), (584, 10183), (594, 10189), (601, 10201), (664, 10282), (681, 10315), (688, 10327),

Gene: Madavieve_25 Start: 22640, Stop: 23206, Start Num: 301
Candidate Starts for Madavieve_25:
(177, 22490), (Start: 215 @22529 has 4 MA's), (239, 22562), (Start: 263 @22589 has 12 MA's), (301, 22640), (309, 22652), (338, 22700), (347, 22721), (362, 22742), (377, 22775), (403, 22820), (420, 22856), (421, 22859), (445, 22907), (501, 23018), (518, 23048), (560, 23099), (627, 23177),

Gene: Madeline_25 Start: 22607, Stop: 23224, Start Num: 263
Candidate Starts for Madeline_25:
(177, 22508), (Start: 215 @22547 has 4 MA's), (239, 22580), (Start: 263 @22607 has 12 MA's), (Start: 278 @22616 has 2 MA's), (301, 22658), (309, 22670), (338, 22718), (347, 22739), (362, 22760), (377, 22793), (403, 22838), (420, 22874), (421, 22877), (445, 22925), (501, 23036), (518, 23066), (560, 23117), (627, 23195),

Gene: Madvan_30 Start: 22092, Stop: 22880, Start Num: 233
Candidate Starts for Madvan_30:
(Start: 233 @22092 has 66 MA's), (Start: 263 @22137 has 12 MA's), (282, 22167), (288, 22179), (320, 22233), (322, 22239), (348, 22284), (400, 22380), (410, 22398), (414, 22407), (421, 22422), (521, 22611), (523, 22614), (530, 22629), (570, 22689), (587, 22716), (657, 22836),

Gene: Magel_27 Start: 19428, Stop: 20213, Start Num: 233
Candidate Starts for Magel_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: MagicMan_26 Start: 21754, Stop: 22467, Start Num: 232
Candidate Starts for MagicMan_26:
(183, 21697), (Start: 232 @21754 has 67 MA's), (301, 21847), (309, 21862), (333, 21907), (375, 21985), (386, 22009), (424, 22072), (428, 22081), (481, 22156), (511, 22231), (515, 22243), (519, 22249), (609, 22384),

Gene: Mahdia_35 Start: 27405, Stop: 28184, Start Num: 209
Candidate Starts for Mahdia_35:
(Start: 209 @27405 has 10 MA's), (218, 27414), (Start: 255 @27459 has 2 MA's), (300, 27522), (331, 27579), (349, 27600), (357, 27609), (359, 27612), (365, 27624), (394, 27672), (395, 27675), (407, 27696), (408, 27699), (424, 27732), (549, 27966), (569, 27993), (679, 28134), (690, 28155), (692, 28158),

Gene: MajinBuu_30 Start: 22315, Stop: 23103, Start Num: 233
Candidate Starts for MajinBuu_30:
(Start: 233 @22315 has 66 MA's), (Start: 263 @22360 has 12 MA's), (282, 22390), (288, 22402), (320, 22456), (400, 22603), (414, 22630), (421, 22645), (460, 22729), (521, 22834), (523, 22837), (570, 22912), (657, 23059),

Gene: MakCheese_31 Start: 25868, Stop: 26623, Start Num: 247
Candidate Starts for MakCheese_31:
(Start: 201 @25817 has 9 MA's), (Start: 208 @25826 has 15 MA's), (Start: 219 @25838 has 3 MA's), (225, 25841), (Start: 247 @25868 has 1 MA's), (Start: 256 @25880 has 1 MA's), (274, 25904), (294, 25931), (344, 26024), (374, 26072), (375, 26075), (376, 26078), (411, 26135), (420, 26153), (425, 26165), (427, 26168), (428, 26171), (480, 26261), (518, 26348), (540, 26384), (561, 26411), (624,

26516), (664, 26570), (678, 26594),

Gene: MakoManhole_45 Start: 37571, Stop: 38293, Start Num: 234
Candidate Starts for MakoManhole_45:
(111, 37385), (Start: 234 @37571 has 15 MA's), (300, 37664), (337, 37733), (351, 37760), (355, 37766), (420, 37880), (467, 37964), (515, 38057), (532, 38087),

Gene: Malachai_26 Start: 21633, Stop: 22436, Start Num: 198
Candidate Starts for Malachai_26:
(Start: 198 @21633 has 35 MA's), (Start: 247 @21681 has 1 MA's), (Start: 256 @21693 has 1 MA's), (267, 21708), (294, 21744), (344, 21837), (375, 21888), (410, 21945), (411, 21948), (420, 21966), (425, 21978), (427, 21981), (428, 21984), (518, 22161), (532, 22182), (534, 22188), (637, 22344), (664, 22380), (678, 22404), (689, 22425),

Gene: Malibo_27 Start: 21379, Stop: 21999, Start Num: 263
Candidate Starts for Malibo_27:
(Start: 263 @21379 has 12 MA's), (276, 21385), (301, 21430), (309, 21442), (362, 21532), (377, 21565), (403, 21610), (421, 21649), (445, 21697), (451, 21718), (501, 21808), (518, 21838), (560, 21889), (627, 21967),

Gene: Malisha_30 Start: 24037, Stop: 24663, Start Num: 258
Candidate Starts for Malisha_30:
(Start: 258 @24037 has 1 MA's), (301, 24091), (316, 24118), (338, 24151), (347, 24172), (377, 24226), (388, 24244), (420, 24307), (421, 24310), (422, 24313), (434, 24343), (469, 24406), (501, 24469), (518, 24499), (627, 24631), (636, 24640),

Gene: Malvina_44 Start: 33059, Stop: 32295, Start Num: 159
Candidate Starts for Malvina_44:
(150, 33074), (Start: 159 @33059 has 67 MA's), (180, 33017), (243, 32954), (Start: 255 @32948 has 2 MA's), (Start: 273 @32924 has 30 MA's), (298, 32888), (342, 32810), (348, 32798), (370, 32759), (407, 32705), (418, 32684), (476, 32621), (512, 32543), (552, 32486), (609, 32414), (614, 32402), (680, 32309),

Gene: Manasvini_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Manasvini_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Manilisa_49 Start: 36357, Stop: 37163, Start Num: 197
Candidate Starts for Manilisa_49:
(182, 36342), (Start: 197 @36357 has 5 MA's), (Start: 256 @36420 has 1 MA's), (321, 36525), (323, 36531), (393, 36654), (461, 36798), (501, 36879), (518, 36909), (521, 36915), (556, 36966), (637, 37092), (671, 37140),

Gene: Margaret_51 Start: 35131, Stop: 34277, Start Num: 125
Candidate Starts for Margaret_51:
(46, 35368), (84, 35245), (119, 35146), (Start: 125 @35131 has 9 MA's), (137, 35113), (166, 35065), (174, 35053), (243, 34984), (Start: 255 @34978 has 2 MA's), (276, 34951), (290, 34933), (324, 34864), (336, 34852), (337, 34849), (363, 34801), (385, 34756), (453, 34645), (462, 34630), (492, 34591), (501, 34555), (507, 34543), (547, 34483), (549, 34480), (653, 34339), (666, 34318),

Gene: Maridalia_26 Start: 22303, Stop: 22923, Start Num: 264

Candidate Starts for Maridalia_26:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Marietta_19 Start: 7689, Stop: 8432, Start Num: 192
Candidate Starts for Marietta_19:
(116, 7560), (Start: 189 @7686 has 22 MA's), (Start: 192 @7689 has 3 MA's), (Start: 286 @7752 has 1 MA's), (287, 7755), (293, 7767), (340, 7848), (419, 7998), (429, 8022), (445, 8055), (511, 8187), (582, 8301), (588, 8313), (609, 8349), (644, 8403),

Gene: Mariokart_42 Start: 35106, Stop: 35828, Start Num: 234
Candidate Starts for Mariokart_42:
(1, 33240), (3, 33684), (4, 33756), (5, 33807), (10, 33999), (13, 34224), (25, 34527), (Start: 234 @35106 has 15 MA's), (333, 35262), (337, 35268), (361, 35313), (373, 35337), (393, 35376), (397, 35385), (401, 35394), (420, 35421), (421, 35424), (501, 35571), (515, 35601), (519, 35607), (599, 35718), (610, 35742), (647, 35793), (658, 35808),

Gene: Marteena_27 Start: 21910, Stop: 22626, Start Num: 232
Candidate Starts for Marteena_27:
(Start: 211 @21883 has 1 MA's), (Start: 214 @21886 has 1 MA's), (Start: 232 @21910 has 67 MA's), (Start: 247 @21928 has 1 MA's), (287, 21982), (333, 22066), (355, 22105), (374, 22141), (386, 22168), (420, 22222), (428, 22240), (486, 22333), (515, 22411), (519, 22417), (647, 22594), (660, 22612),

Gene: Maselop_20 Start: 9989, Stop: 10885, Start Num: 201
Candidate Starts for Maselop_20:
(72, 9752), (Start: 201 @9989 has 9 MA's), (259, 10067), (310, 10154), (337, 10202), (343, 10217), (389, 10295), (411, 10340), (480, 10472), (518, 10565), (527, 10580), (594, 10679), (630, 10760), (664, 10808), (688, 10853),

Gene: Matteo_23 Start: 18653, Stop: 19369, Start Num: 232
Candidate Starts for Matteo_23:
(Start: 211 @18626 has 1 MA's), (Start: 214 @18629 has 1 MA's), (Start: 232 @18653 has 67 MA's), (Start: 247 @18671 has 1 MA's), (287, 18725), (333, 18809), (355, 18848), (374, 18884), (386, 18911), (420, 18965), (428, 18983), (463, 19046), (486, 19076), (515, 19154), (519, 19160), (664, 19361),

Gene: Mayweather_51 Start: 36577, Stop: 35774, Start Num: 159
Candidate Starts for Mayweather_51:
(118, 36637), (Start: 159 @36577 has 67 MA's), (Start: 217 @36499 has 6 MA's), (312, 36370), (343, 36316), (366, 36277), (381, 36256), (476, 36112), (495, 36079), (549, 35977), (552, 35974), (609, 35896), (610, 35893), (658, 35827), (671, 35803), (680, 35788), (687, 35779),

Gene: Mbo2_63 Start: 49136, Stop: 48321, Start Num: 178
Candidate Starts for Mbo2_63:
(Start: 178 @49136 has 3 MA's), (249, 49061), (259, 49052), (277, 49028), (289, 49007), (315, 48959), (384, 48863), (397, 48839), (458, 48725), (514, 48608), (528, 48587), (540, 48569), (608, 48458), (621, 48443), (680, 48350),

Gene: Mbo4_54 Start: 39648, Stop: 40400, Start Num: 212
Candidate Starts for Mbo4_54:
(69, 39369), (71, 39378), (89, 39417), (91, 39426), (94, 39444), (182, 39618), (Start: 198 @39636 has 35 MA's), (212, 39648), (Start: 247 @39687 has 1 MA's), (Start: 257 @39702 has 7 MA's), (294, 39756), (355, 39837), (401, 39918), (444, 40002), (480, 40062), (493, 40089),

Gene: McCrothy_45 Start: 40370, Stop: 41104, Start Num: 200
Candidate Starts for McCrothy_45:
(107, 40223), (Start: 159 @40313 has 67 MA's), (Start: 200 @40370 has 54 MA's), (Start: 219 @40388 has 3 MA's), (294, 40475), (311, 40502), (339, 40550), (353, 40568), (375, 40610), (424, 40688), (448, 40730), (464, 40763), (540, 40898), (567, 40937), (633, 41036), (655, 41063), (676, 41096),

Gene: McDazzle_49 Start: 35622, Stop: 34819, Start Num: 159
Candidate Starts for McDazzle_49:
(118, 35682), (Start: 159 @35622 has 67 MA's), (Start: 217 @35544 has 6 MA's), (276, 35472), (312, 35415), (343, 35361), (366, 35322), (381, 35301), (476, 35157), (495, 35124), (552, 35019), (609, 34941), (658, 34872), (664, 34863), (680, 34833), (687, 34824),

Gene: McKinley_47 Start: 40584, Stop: 41318, Start Num: 200
Candidate Starts for McKinley_47:
(107, 40437), (Start: 159 @40527 has 67 MA's), (Start: 200 @40584 has 54 MA's), (Start: 219 @40602 has 3 MA's), (294, 40689), (311, 40716), (339, 40764), (353, 40782), (375, 40824), (424, 40902), (448, 40944), (464, 40977), (540, 41112), (567, 41151), (633, 41250), (655, 41277), (676, 41310),

Gene: Mcklovin_25 Start: 24000, Stop: 24788, Start Num: 208
Candidate Starts for Mcklovin_25:
(Start: 198 @23988 has 35 MA's), (Start: 208 @24000 has 15 MA's), (Start: 219 @24012 has 3 MA's), (225, 24015), (Start: 247 @24042 has 1 MA's), (Start: 256 @24054 has 1 MA's), (294, 24105), (344, 24198), (373, 24243), (374, 24246), (375, 24249), (411, 24309), (420, 24327), (425, 24339), (427, 24342), (428, 24345), (480, 24435), (518, 24522), (664, 24744), (678, 24768),

Gene: MelBins_45 Start: 39210, Stop: 39932, Start Num: 205
Candidate Starts for MelBins_45:
(Start: 205 @39210 has 17 MA's), (225, 39225), (Start: 255 @39264 has 2 MA's), (288, 39303), (294, 39315), (339, 39375), (419, 39498), (468, 39591), (472, 39597), (486, 39606), (499, 39645), (518, 39684), (567, 39759), (633, 39858), (662, 39897), (674, 39918),

Gene: Melba_25 Start: 21152, Stop: 21955, Start Num: 198
Candidate Starts for Melba_25:
(Start: 198 @21152 has 35 MA's), (Start: 247 @21200 has 1 MA's), (Start: 256 @21212 has 1 MA's), (267, 21227), (294, 21263), (344, 21356), (375, 21407), (410, 21464), (411, 21467), (420, 21485), (425, 21497), (427, 21500), (428, 21503), (518, 21680), (532, 21701), (534, 21707), (637, 21863), (664, 21899), (678, 21923), (689, 21944),

Gene: Mellie_24 Start: 20913, Stop: 21716, Start Num: 198
Candidate Starts for Mellie_24:
(Start: 198 @20913 has 35 MA's), (Start: 247 @20961 has 1 MA's), (Start: 256 @20973 has 1 MA's), (267, 20988), (344, 21117), (357, 21129), (375, 21168), (407, 21216), (410, 21225), (411, 21228), (420, 21246), (425, 21258), (427, 21261), (428, 21264), (518, 21441), (532, 21462), (534, 21468), (664, 21660), (678, 21684), (689, 21705),

Gene: MerCougar_19 Start: 8841, Stop: 9629, Start Num: 191
Candidate Starts for MerCougar_19:
(Start: 191 @8841 has 9 MA's), (204, 8850), (271, 8940), (Start: 286 @8964 has 1 MA's), (293, 8979), (314, 9012), (340, 9060), (428, 9228), (436, 9249), (609, 9555), (612, 9564), (617, 9570), (621, 9579), (640, 9603),

Gene: Meyran_46 Start: 36292, Stop: 37098, Start Num: 197

Candidate Starts for Meyran_46:
(Start: 197 @36292 has 5 MA's), (Start: 256 @36355 has 1 MA's), (321, 36460), (323, 36466), (461, 36733), (501, 36814), (518, 36844), (521, 36850), (556, 36901), (637, 37027), (671, 37075),

Gene: MichaelScott_25 Start: 21603, Stop: 22391, Start Num: 208
Candidate Starts for MichaelScott_25:
(Start: 198 @21591 has 35 MA's), (Start: 208 @21603 has 15 MA's), (Start: 219 @21615 has 3 MA's), (225, 21618), (Start: 247 @21645 has 1 MA's), (Start: 256 @21657 has 1 MA's), (294, 21708), (344, 21801), (373, 21846), (374, 21849), (375, 21852), (411, 21912), (420, 21930), (425, 21942), (427, 21945), (428, 21948), (480, 22038), (518, 22125), (664, 22347), (678, 22371),

Gene: Mikronejon_31 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Mikronejon_31:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: Mima20_85 Start: 58476, Stop: 59327, Start Num: 223
Candidate Starts for Mima20_85:
(112, 58299), (124, 58326), (129, 58335), (139, 58350), (147, 58359), (Start: 201 @58452 has 9 MA's), (204, 58455), (Start: 223 @58476 has 36 MA's), (Start: 227 @58485 has 1 MA's), (242, 58506), (Start: 270 @58548 has 1 MA's), (Start: 273 @58554 has 30 MA's), (353, 58701), (355, 58704), (373, 58740), (378, 58752), (398, 58791), (412, 58821), (414, 58824), (420, 58836), (493, 58971), (517, 59037), (521, 59046), (537, 59076), (557, 59103), (572, 59127), (603, 59181), (620, 59226), (629, 59238), (654, 59277), (670, 59304),

Gene: MintFen_25 Start: 21152, Stop: 21955, Start Num: 198
Candidate Starts for MintFen_25:
(Start: 198 @21152 has 35 MA's), (Start: 247 @21200 has 1 MA's), (Start: 256 @21212 has 1 MA's), (267, 21227), (294, 21263), (344, 21356), (375, 21407), (410, 21464), (411, 21467), (420, 21485), (425, 21497), (427, 21500), (428, 21503), (518, 21680), (532, 21701), (534, 21707), (637, 21863), (664, 21899), (678, 21923), (689, 21944),

Gene: MintFritos_30 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for MintFritos_30:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: MissRona_27 Start: 21464, Stop: 22264, Start Num: 198
Candidate Starts for MissRona_27:
(101, 21314), (Start: 198 @21464 has 35 MA's), (Start: 247 @21512 has 1 MA's), (Start: 256 @21524 has 1 MA's), (294, 21575), (344, 21668), (375, 21719), (410, 21776), (411, 21779), (420, 21797), (425, 21809), (427, 21812), (428, 21815), (518, 21992), (532, 22013), (534, 22019), (561, 22055), (624, 22160), (637, 22175), (639, 22178), (664, 22211), (678, 22235),

Gene: Mocha12_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Mocha12_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: ModicumRichard_33 Start: 27844, Stop: 28596, Start Num: 217
Candidate Starts for ModicumRichard_33:
(Start: 217 @27844 has 6 MA's), (Start: 256 @27895 has 1 MA's), (375, 28072), (435, 28171), (486, 28231), (518, 28309), (561, 28372), (597, 28435), (611, 28462), (682, 28564),

Gene: MoiGyank_89 Start: 59075, Stop: 59926, Start Num: 223
Candidate Starts for MoiGyank_89:
(Start: 201 @59051 has 9 MA's), (204, 59054), (Start: 223 @59075 has 36 MA's), (Start: 227 @59084 has 1 MA's), (242, 59105), (Start: 270 @59147 has 1 MA's), (Start: 273 @59153 has 30 MA's), (299, 59198), (355, 59303), (360, 59312), (373, 59339), (378, 59351), (398, 59390), (493, 59570), (517, 59636), (521, 59645), (537, 59675), (557, 59702), (572, 59726), (603, 59780), (620, 59825), (629, 59837), (670, 59903),

Gene: Monty_48 Start: 45657, Stop: 44878, Start Num: 255
Candidate Starts for Monty_48:
(Start: 193 @45735 has 51 MA's), (220, 45711), (246, 45672), (Start: 255 @45657 has 2 MA's), (279, 45621), (301, 45582), (333, 45522), (342, 45504), (367, 45465), (385, 45429), (389, 45423), (481, 45252), (509, 45177), (520, 45147), (576, 45060), (614, 44985), (637, 44958), (679, 44898),

Gene: Moonflower_27 Start: 22646, Stop: 23239, Start Num: 309
Candidate Starts for Moonflower_27:
(Start: 232 @22538 has 67 MA's), (293, 22616), (301, 22631), (309, 22646), (348, 22721), (374, 22766), (386, 22793), (401, 22820), (420, 22847), (424, 22856), (428, 22865), (483, 22940), (486, 22946), (515, 23024), (519, 23030), (609, 23153), (628, 23183), (653, 23216),

Gene: MoontowerMania_45 Start: 40419, Stop: 41153, Start Num: 200
Candidate Starts for MoontowerMania_45:
(107, 40272), (Start: 159 @40362 has 67 MA's), (Start: 200 @40419 has 54 MA's), (Start: 219 @40437 has 3 MA's), (294, 40524), (311, 40551), (339, 40599), (353, 40617), (375, 40659), (424, 40737), (448, 40779), (464, 40812), (540, 40947), (567, 40986), (633, 41085), (655, 41112), (676, 41145),

Gene: Moosehead_23 Start: 18651, Stop: 19352, Start Num: 232
Candidate Starts for Moosehead_23:
(Start: 232 @18651 has 67 MA's), (301, 18744), (309, 18759), (324, 18795), (373, 18876), (393, 18915), (424, 18969), (439, 18999), (515, 19137), (519, 19143), (662, 19344),

Gene: Morgana_33 Start: 27600, Stop: 28349, Start Num: 217
Candidate Starts for Morgana_33:
(39, 27204), (Start: 217 @27600 has 6 MA's), (Start: 256 @27651 has 1 MA's), (375, 27828), (425, 27909), (435, 27927), (486, 27984), (501, 28032), (518, 28062), (561, 28125), (597, 28188), (611, 28215), (682, 28317),

Gene: Morkie_24 Start: 19442, Stop: 20146, Start Num: 228
Candidate Starts for Morkie_24:
(Start: 228 @19442 has 2 MA's), (301, 19538), (348, 19628), (361, 19649), (363, 19652), (375, 19676), (386, 19700), (388, 19703), (397, 19718), (420, 19754), (463, 19832), (490, 19859), (505, 19910), (515, 19931), (641, 20108), (662, 20138),

Gene: MortyNRick_27 Start: 21231, Stop: 21854, Start Num: 273
Candidate Starts for MortyNRick_27:
(64, 20856), (85, 20913), (96, 20958), (120, 21012), (121, 21015), (Start: 145 @21051 has 3 MA's), (162, 21096), (165, 21099), (Start: 273 @21231 has 30 MA's), (Start: 278 @21237 has 2 MA's), (293,

21267), (301, 21282), (338, 21342), (377, 21417), (403, 21462), (420, 21498), (434, 21534), (469, 21597), (501, 21660), (512, 21681), (518, 21690), (562, 21747), (627, 21822), (636, 21831),

Gene: MossRose_45 Start: 37550, Stop: 38272, Start Num: 234
Candidate Starts for MossRose_45:
(111, 37364), (Start: 234 @37550 has 15 MA's), (300, 37643), (337, 37712), (351, 37739), (355, 37745), (420, 37859), (467, 37943), (515, 38036), (532, 38066),

Gene: Mossy_31 Start: 23518, Stop: 24303, Start Num: 233
Candidate Starts for Mossy_31:
(Start: 233 @23518 has 66 MA's), (320, 23659), (400, 23806), (414, 23833), (421, 23848), (460, 23932), (508, 24010), (521, 24037), (523, 24040), (570, 24115), (589, 24145),

Gene: MrMiyagi_34 Start: 30841, Stop: 31767, Start Num: 172
Candidate Starts for MrMiyagi_34:
(169, 30835), (Start: 172 @30841 has 3 MA's), (185, 30862), (Start: 191 @30868 has 9 MA's), (212, 30892), (238, 30928), (252, 30946), (269, 30973), (284, 31000), (296, 31021), (328, 31081), (342, 31099), (343, 31102), (405, 31219), (420, 31249), (421, 31252), (449, 31318), (494, 31399), (506, 31429), (535, 31486), (563, 31522), (565, 31525), (589, 31567), (592, 31570),

Gene: Msay19_54 Start: 48208, Stop: 47351, Start Num: 193
Candidate Starts for Msay19_54:
(66, 48475), (75, 48451), (Start: 193 @48208 has 51 MA's), (220, 48184), (Start: 255 @48130 has 2 MA's), (301, 48055), (333, 47995), (342, 47977), (360, 47953), (367, 47938), (385, 47902), (389, 47896), (481, 47725), (509, 47650), (520, 47620), (576, 47533), (614, 47458), (637, 47431), (679, 47371),

Gene: MunkgeeRoachy_43 Start: 33256, Stop: 32417, Start Num: 159
Candidate Starts for MunkgeeRoachy_43:
(118, 33316), (Start: 159 @33256 has 67 MA's), (202, 33196), (Start: 229 @33166 has 14 MA's), (Start: 233 @33160 has 66 MA's), (301, 33079), (363, 32971), (378, 32938), (395, 32911), (540, 32647), (609, 32554), (668, 32467),

Gene: Murp_26 Start: 21420, Stop: 22214, Start Num: 198
Candidate Starts for Murp_26:
(56, 21117), (83, 21204), (101, 21270), (Start: 198 @21420 has 35 MA's), (Start: 247 @21468 has 1 MA's), (Start: 256 @21480 has 1 MA's), (294, 21531), (344, 21624), (375, 21675), (407, 21723), (410, 21732), (411, 21735), (420, 21753), (425, 21765), (427, 21768), (428, 21771), (443, 21804), (518, 21948), (532, 21969), (664, 22167), (678, 22191),

Gene: Mutzi_43 Start: 37151, Stop: 37906, Start Num: 203
Candidate Starts for Mutzi_43:
(Start: 173 @37115 has 2 MA's), (188, 37136), (Start: 203 @37151 has 34 MA's), (Start: 264 @37223 has 16 MA's), (294, 37259), (338, 37331), (395, 37412), (474, 37526), (480, 37532), (493, 37559), (511, 37607), (578, 37709), (625, 37784), (632, 37793), (681, 37865), (685, 37871),

Gene: Mysticmoon_29 Start: 22127, Stop: 22912, Start Num: 233
Candidate Starts for Mysticmoon_29:
(196, 22082), (Start: 233 @22127 has 66 MA's), (Start: 263 @22172 has 12 MA's), (320, 22268), (400, 22415), (410, 22433), (414, 22442), (421, 22457), (460, 22541), (493, 22589), (523, 22649), (570, 22724),

Gene: NHagos_43 Start: 36157, Stop: 36879, Start Num: 234

Candidate Starts for NHagos_43:
(Start: 234 @36157 has 15 MA's), (287, 36226), (300, 36250), (333, 36313), (337, 36319), (420, 36466), (484, 36562), (486, 36565), (515, 36643), (532, 36673), (540, 36688),

Gene: NaLuna_26 Start: 21448, Stop: 22167, Start Num: 232
Candidate Starts for NaLuna_26:
(183, 21391), (Start: 232 @21448 has 67 MA's), (301, 21541), (309, 21556), (333, 21601), (361, 21652), (375, 21679), (386, 21703), (424, 21766), (428, 21775), (515, 21937), (519, 21943),

Gene: NadineRae_17 Start: 6891, Stop: 7682, Start Num: 195
Candidate Starts for NadineRae_17:
(Start: 195 @6891 has 10 MA's), (Start: 286 @7002 has 1 MA's), (287, 7005), (293, 7017), (340, 7098), (419, 7248), (429, 7272), (445, 7305), (511, 7437), (582, 7551), (588, 7563), (609, 7599), (638, 7644), (644, 7653),

Gene: Nadmeg_31 Start: 23523, Stop: 24311, Start Num: 233
Candidate Starts for Nadmeg_31:
(Start: 233 @23523 has 66 MA's), (Start: 263 @23568 has 12 MA's), (282, 23598), (288, 23610), (320, 23664), (322, 23670), (348, 23715), (400, 23811), (410, 23829), (419, 23847), (421, 23853), (521, 24042), (523, 24045), (544, 24081), (570, 24120), (587, 24147), (657, 24267),

Gene: NatB6_19 Start: 9475, Stop: 10200, Start Num: 189
Candidate Starts for NatB6_19:
(Start: 189 @9475 has 22 MA's), (216, 9499), (Start: 286 @9532 has 1 MA's), (287, 9535), (309, 9571), (316, 9586), (340, 9628), (419, 9775), (511, 9967), (576, 10069), (598, 10099), (609, 10120), (617, 10135), (659, 10195),

Gene: Natkenzie_46 Start: 40683, Stop: 41405, Start Num: 205
Candidate Starts for Natkenzie_46:
(88, 40467), (127, 40572), (Start: 205 @40683 has 17 MA's), (294, 40788), (300, 40797), (339, 40848), (353, 40866), (375, 40908), (420, 40974), (422, 40980), (425, 40986), (457, 41052), (518, 41151), (633, 41325), (647, 41346), (660, 41361),

Gene: Neobush_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Neobush_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Nettle_88 Start: 59354, Stop: 60205, Start Num: 223
Candidate Starts for Nettle_88:
(Start: 201 @59330 has 9 MA's), (204, 59333), (Start: 223 @59354 has 36 MA's), (Start: 227 @59363 has 1 MA's), (242, 59384), (Start: 270 @59426 has 1 MA's), (Start: 273 @59432 has 30 MA's), (355, 59582), (360, 59591), (373, 59618), (378, 59630), (398, 59669), (493, 59849), (517, 59915), (521, 59924), (537, 59954), (557, 59981), (572, 60005), (603, 60059), (620, 60104), (629, 60116), (670, 60182),

Gene: Nettuno_23 Start: 18707, Stop: 19408, Start Num: 232
Candidate Starts for Nettuno_23:
(220, 18692), (Start: 223 @18695 has 36 MA's), (Start: 232 @18707 has 67 MA's), (301, 18800), (309, 18815), (324, 18851), (373, 18932), (388, 18965), (393, 18971), (420, 19016), (439, 19055), (515, 19193), (519, 19199), (532, 19223), (540, 19238), (662, 19400),

Gene: Neville_115 Start: 65621, Stop: 66349, Start Num: 209
Candidate Starts for Neville_115:
(Start: 209 @65621 has 10 MA's), (Start: 255 @65675 has 2 MA's), (260, 65681), (Start: 263 @65687 has 12 MA's), (290, 65729), (311, 65765), (355, 65819), (424, 65927), (433, 65951), (480, 66023), (540, 66143), (571, 66179), (580, 66188), (595, 66203), (692, 66338),

Gene: Niagara_44 Start: 46720, Stop: 45893, Start Num: 193
Candidate Starts for Niagara_44:
(Start: 193 @46720 has 51 MA's), (220, 46693), (Start: 263 @46627 has 12 MA's), (321, 46534), (439, 46321), (528, 46135), (533, 46123), (604, 46012), (622, 45973), (645, 45949), (648, 45943),

Gene: Nibbles_41 Start: 32902, Stop: 32144, Start Num: 159
Candidate Starts for Nibbles_41:
(97, 33016), (150, 32917), (Start: 159 @32902 has 67 MA's), (180, 32863), (202, 32845), (Start: 233 @32809 has 66 MA's), (Start: 255 @32794 has 2 MA's), (Start: 273 @32770 has 30 MA's), (298, 32734), (312, 32710), (342, 32656), (407, 32551), (418, 32530), (476, 32470), (512, 32392), (540, 32347), (586, 32302), (664, 32188), (671, 32173),

Gene: Nina_44 Start: 34031, Stop: 33192, Start Num: 159
Candidate Starts for Nina_44:
(36, 34352), (41, 34328), (58, 34259), (65, 34238), (81, 34193), (118, 34091), (Start: 159 @34031 has 67 MA's), (202, 33971), (Start: 229 @33941 has 14 MA's), (Start: 233 @33935 has 66 MA's), (301, 33854), (363, 33746), (378, 33713), (395, 33686), (540, 33422), (664, 33251), (668, 33242),

Gene: Nithya_30 Start: 22307, Stop: 23095, Start Num: 233
Candidate Starts for Nithya_30:
(Start: 233 @22307 has 66 MA's), (Start: 263 @22352 has 12 MA's), (282, 22382), (288, 22394), (320, 22448), (400, 22595), (419, 22631), (421, 22637), (521, 22826), (523, 22829), (559, 22886), (570, 22904), (587, 22931), (657, 23051),

Gene: NoPickles_27 Start: 19073, Stop: 19858, Start Num: 233
Candidate Starts for NoPickles_27:
(Start: 233 @19073 has 66 MA's), (Start: 263 @19118 has 12 MA's), (320, 19214), (322, 19220), (398, 19358), (416, 19391), (421, 19403), (521, 19592), (523, 19595), (570, 19670), (657, 19817),

Gene: Nodigi_53 Start: 36539, Stop: 35688, Start Num: 125
Candidate Starts for Nodigi_53:
(26, 36941), (119, 36554), (Start: 125 @36539 has 9 MA's), (143, 36515), (174, 36461), (188, 36449), (243, 36392), (Start: 255 @36386 has 2 MA's), (276, 36359), (336, 36260), (337, 36257), (346, 36236), (348, 36233), (385, 36164), (397, 36146), (409, 36122), (412, 36113), (421, 36095), (453, 36050), (501, 35960), (507, 35948), (547, 35888), (561, 35870), (675, 35711), (680, 35702),

Gene: NorManre_91 Start: 59988, Stop: 60839, Start Num: 223
Candidate Starts for NorManre_91:
(Start: 201 @59964 has 9 MA's), (204, 59967), (Start: 223 @59988 has 36 MA's), (Start: 227 @59997 has 1 MA's), (242, 60018), (Start: 270 @60060 has 1 MA's), (Start: 273 @60066 has 30 MA's), (299, 60111), (355, 60216), (360, 60225), (373, 60252), (378, 60264), (398, 60303), (493, 60483), (521, 60558), (537, 60588), (570, 60636), (572, 60639), (603, 60693), (620, 60738), (629, 60750), (670, 60816),

Gene: Nordenberg_40 Start: 39404, Stop: 40138, Start Num: 200
Candidate Starts for Nordenberg_40:

(107, 39257), (Start: 159 @39347 has 67 MA's), (Start: 200 @39404 has 54 MA's), (Start: 219 @39422 has 3 MA's), (294, 39509), (311, 39536), (339, 39584), (353, 39602), (375, 39644), (424, 39722), (448, 39764), (464, 39797), (540, 39932), (567, 39971), (633, 40070), (655, 40097), (676, 40130),

Gene: NosilaM_21 Start: 9718, Stop: 10509, Start Num: 191
Candidate Starts for NosilaM_21:
(Start: 191 @9718 has 9 MA's), (230, 9763), (275, 9826), (282, 9838), (Start: 286 @9844 has 1 MA's), (293, 9859), (309, 9883), (314, 9892), (340, 9940), (362, 9976), (419, 10087), (428, 10108), (436, 10129), (598, 10414), (609, 10435), (612, 10444), (617, 10450), (640, 10483),

Gene: Nova53_11 Start: 6450, Stop: 5779, Start Num: 254
Candidate Starts for Nova53_11:
(Start: 254 @6450 has 4 MA's), (265, 6435), (420, 6159), (433, 6126), (503, 6009), (521, 5976), (525, 5970), (531, 5958), (575, 5898), (589, 5877), (596, 5865), (602, 5856),

Gene: NovaSharks_86 Start: 56889, Stop: 57740, Start Num: 223
Candidate Starts for NovaSharks_86:
(Start: 201 @56865 has 9 MA's), (204, 56868), (Start: 223 @56889 has 36 MA's), (Start: 235 @56910 has 4 MA's), (242, 56919), (Start: 270 @56961 has 1 MA's), (Start: 273 @56967 has 30 MA's), (299, 57012), (353, 57114), (355, 57117), (373, 57153), (378, 57165), (398, 57204), (412, 57234), (414, 57237), (420, 57249), (421, 57252), (493, 57384), (517, 57450), (521, 57459), (537, 57489), (557, 57516), (570, 57537), (603, 57594), (620, 57639), (670, 57717),

Gene: NovumRegina_19 Start: 9806, Stop: 10531, Start Num: 189
Candidate Starts for NovumRegina_19:
(Start: 189 @9806 has 22 MA's), (216, 9830), (Start: 286 @9863 has 1 MA's), (287, 9866), (309, 9902), (316, 9917), (340, 9959), (419, 10106), (511, 10298), (576, 10400), (598, 10430), (609, 10451), (617, 10466), (659, 10526),

Gene: Nubi_44 Start: 36296, Stop: 37051, Start Num: 203
Candidate Starts for Nubi_44:
(Start: 173 @36260 has 2 MA's), (188, 36281), (Start: 203 @36296 has 34 MA's), (Start: 264 @36368 has 16 MA's), (294, 36404), (338, 36476), (395, 36557), (474, 36671), (480, 36677), (493, 36704), (511, 36752), (578, 36854), (632, 36938), (681, 37010),

Gene: Nyceirae_51 Start: 36282, Stop: 37091, Start Num: 197
Candidate Starts for Nyceirae_51:
(Start: 197 @36282 has 5 MA's), (Start: 256 @36345 has 1 MA's), (323, 36456), (374, 36546), (431, 36669), (461, 36726), (500, 36804), (501, 36807), (518, 36837), (521, 36843), (556, 36894), (563, 36903), (593, 36948), (637, 37020), (671, 37068),

Gene: Nymphadora_25 Start: 22318, Stop: 22926, Start Num: 278
Candidate Starts for Nymphadora_25:
(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: ODay_32 Start: 23377, Stop: 24000, Start Num: 273
Candidate Starts for ODay_32:
(158, 23236), (177, 23269), (Start: 199 @23290 has 1 MA's), (202, 23293), (Start: 273 @23377 has 30 MA's), (Start: 278 @23383 has 2 MA's), (293, 23413), (301, 23428), (338, 23488), (377, 23563), (403, 23608), (420, 23644), (422, 23650), (434, 23680), (469, 23743), (501, 23806), (512, 23827), (518,

23836), (627, 23968), (636, 23977),

Gene: ObLaDi_33 Start: 27823, Stop: 28575, Start Num: 217
Candidate Starts for ObLaDi_33:
(Start: 217 @27823 has 6 MA's), (Start: 256 @27874 has 1 MA's), (375, 28051), (435, 28150), (486, 28210), (518, 28288), (561, 28351), (597, 28414), (611, 28441), (682, 28543),

Gene: Obliviate_25 Start: 21074, Stop: 21871, Start Num: 195
Candidate Starts for Obliviate_25:
(34, 20681), (62, 20810), (98, 20921), (109, 20948), (127, 20984), (Start: 195 @21074 has 10 MA's), (Start: 256 @21128 has 1 MA's), (267, 21143), (294, 21179), (344, 21272), (357, 21284), (374, 21320), (375, 21323), (407, 21371), (410, 21380), (411, 21383), (420, 21401), (425, 21413), (427, 21416), (428, 21419), (501, 21566), (518, 21596), (532, 21617), (534, 21623), (540, 21632), (664, 21815), (678, 21839), (689, 21860),

Gene: Octobien14_115 Start: 63857, Stop: 64579, Start Num: 215
Candidate Starts for Octobien14_115:
(148, 63755), (175, 63815), (Start: 215 @63857 has 4 MA's), (Start: 255 @63905 has 2 MA's), (369, 64067), (374, 64079), (496, 64289), (520, 64346), (540, 64376), (556, 64391), (613, 64463), (626, 64478), (685, 64562), (687, 64565),

Gene: Odesza_27 Start: 19428, Stop: 20213, Start Num: 233
Candidate Starts for Odesza_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: OhMyWard_30 Start: 22858, Stop: 23643, Start Num: 233
Candidate Starts for OhMyWard_30:
(Start: 233 @22858 has 66 MA's), (320, 22999), (400, 23146), (414, 23173), (421, 23188), (460, 23272), (521, 23377), (523, 23380), (570, 23455), (589, 23485),

Gene: Ohgeesy_25 Start: 21932, Stop: 22549, Start Num: 263
Candidate Starts for Ohgeesy_25:
(177, 21833), (Start: 215 @21872 has 4 MA's), (239, 21905), (Start: 263 @21932 has 12 MA's), (301, 21983), (309, 21995), (338, 22043), (347, 22064), (362, 22085), (377, 22118), (403, 22163), (420, 22199), (421, 22202), (445, 22250), (501, 22361), (518, 22391), (560, 22442), (627, 22520),

Gene: OlgasClover_30 Start: 23043, Stop: 23831, Start Num: 233
Candidate Starts for OlgasClover_30:
(Start: 233 @23043 has 66 MA's), (Start: 263 @23088 has 12 MA's), (282, 23118), (288, 23130), (320, 23184), (398, 23328), (400, 23331), (414, 23358), (421, 23373), (460, 23457), (521, 23562), (523, 23565), (570, 23640),

Gene: OneDirection_22 Start: 18679, Stop: 19380, Start Num: 232
Candidate Starts for OneDirection_22:
(Start: 223 @18664 has 36 MA's), (Start: 232 @18679 has 67 MA's), (250, 18697), (301, 18772), (309, 18787), (324, 18823), (373, 18904), (393, 18943), (420, 18988), (439, 19027), (515, 19165), (519, 19171), (532, 19195), (662, 19372),

Gene: Oogie_32 Start: 23271, Stop: 23969, Start Num: 229
Candidate Starts for Oogie_32:

(Start: 217 @23253 has 6 MA's), (Start: 229 @23271 has 14 MA's), (285, 23334), (305, 23370), (347, 23442), (362, 23463), (377, 23496), (395, 23526), (397, 23529), (408, 23550), (410, 23556), (412, 23562), (422, 23583), (480, 23688), (486, 23697), (512, 23766), (514, 23772), (538, 23808), (550, 23820), (598, 23859), (654, 23949), (663, 23961), (665, 23964),

Gene: Opie_26 Start: 21778, Stop: 22491, Start Num: 232
Candidate Starts for Opie_26:
(183, 21721), (Start: 232 @21778 has 67 MA's), (245, 21790), (301, 21871), (309, 21886), (333, 21931), (361, 21982), (386, 22033), (424, 22096), (428, 22105), (481, 22180), (511, 22255), (515, 22267), (519, 22273),

Gene: Orchid_39 Start: 40829, Stop: 41551, Start Num: 240
Candidate Starts for Orchid_39:
(Start: 240 @40829 has 5 MA's), (276, 40883), (325, 40976), (375, 41057), (392, 41090), (434, 41168), (522, 41330), (573, 41390), (642, 41504),

Gene: Oregano_25 Start: 21268, Stop: 22056, Start Num: 208
Candidate Starts for Oregano_25:
(Start: 198 @21256 has 35 MA's), (Start: 208 @21268 has 15 MA's), (Start: 219 @21280 has 3 MA's), (225, 21283), (Start: 247 @21310 has 1 MA's), (Start: 256 @21322 has 1 MA's), (294, 21373), (344, 21466), (373, 21511), (374, 21514), (375, 21517), (376, 21520), (411, 21577), (420, 21595), (425, 21607), (427, 21610), (428, 21613), (480, 21703), (518, 21790), (624, 21958), (664, 22012), (678, 22036),

Gene: Orla_53 Start: 36447, Stop: 35596, Start Num: 125
Candidate Starts for Orla_53:
(26, 36849), (46, 36684), (119, 36462), (Start: 125 @36447 has 9 MA's), (143, 36423), (174, 36369), (188, 36357), (243, 36300), (Start: 255 @36294 has 2 MA's), (276, 36267), (336, 36168), (337, 36165), (346, 36144), (348, 36141), (363, 36117), (385, 36072), (395, 36057), (397, 36054), (409, 36030), (421, 36003), (453, 35958), (501, 35868), (507, 35856), (547, 35796), (561, 35778), (675, 35619), (680, 35610),

Gene: OtterstedtS21_87 Start: 58792, Stop: 59643, Start Num: 223
Candidate Starts for OtterstedtS21_87:
(Start: 201 @58768 has 9 MA's), (204, 58771), (Start: 223 @58792 has 36 MA's), (Start: 227 @58801 has 1 MA's), (242, 58822), (Start: 270 @58864 has 1 MA's), (Start: 273 @58870 has 30 MA's), (299, 58915), (355, 59020), (373, 59056), (378, 59068), (398, 59107), (493, 59287), (517, 59353), (521, 59362), (537, 59392), (557, 59419), (572, 59443), (603, 59497), (620, 59542), (629, 59554), (670, 59620),

Gene: Outis_19 Start: 8535, Stop: 9323, Start Num: 191
Candidate Starts for Outis_19:
(Start: 191 @8535 has 9 MA's), (204, 8544), (271, 8634), (Start: 286 @8658 has 1 MA's), (293, 8673), (314, 8706), (340, 8754), (428, 8922), (436, 8943), (609, 9249), (612, 9258), (617, 9264), (621, 9273), (640, 9297),

Gene: PCoral7_26 Start: 21477, Stop: 22187, Start Num: 232
Candidate Starts for PCoral7_26:
(Start: 232 @21477 has 67 MA's), (243, 21489), (Start: 247 @21495 has 1 MA's), (333, 21633), (348, 21663), (374, 21708), (386, 21735), (401, 21762), (428, 21813), (472, 21882), (486, 21897), (490, 21903), (498, 21933), (515, 21975), (519, 21981), (549, 22032), (609, 22104), (653, 22167),

Gene: Pakusa_30 Start: 21310, Stop: 22008, Start Num: 229

Candidate Starts for Pakusa_30:
(Start: 217 @21292 has 6 MA's), (Start: 229 @21310 has 14 MA's), (285, 21373), (305, 21409), (341, 21469), (347, 21481), (362, 21502), (377, 21535), (395, 21565), (397, 21568), (408, 21589), (410, 21595), (412, 21601), (422, 21622), (480, 21727), (486, 21736), (512, 21805), (514, 21811), (538, 21847), (550, 21859), (598, 21898), (609, 21919), (654, 21988), (663, 22000), (665, 22003),

Gene: PantheRoc_26 Start: 21501, Stop: 22121, Start Num: 264
Candidate Starts for PantheRoc_26:
(60, 21126), (120, 21297), (121, 21300), (162, 21381), (177, 21402), (Start: 264 @21501 has 16 MA's), (Start: 278 @21510 has 2 MA's), (301, 21555), (347, 21636), (377, 21690), (403, 21735), (420, 21771), (445, 21822), (469, 21870), (501, 21933), (518, 21963), (560, 22014), (627, 22092),

Gene: Paries_48 Start: 40873, Stop: 41607, Start Num: 200
Candidate Starts for Paries_48:
(107, 40726), (Start: 159 @40816 has 67 MA's), (Start: 200 @40873 has 54 MA's), (Start: 219 @40891 has 3 MA's), (294, 40978), (311, 41005), (339, 41053), (353, 41071), (375, 41113), (424, 41191), (448, 41233), (464, 41266), (540, 41401), (567, 41440), (633, 41539), (655, 41566), (676, 41599),

Gene: ParvusTarda_86 Start: 58065, Stop: 58916, Start Num: 223
Candidate Starts for ParvusTarda_86:
(112, 57888), (124, 57915), (129, 57924), (139, 57939), (147, 57948), (Start: 201 @58041 has 9 MA's), (204, 58044), (Start: 223 @58065 has 36 MA's), (Start: 227 @58074 has 1 MA's), (242, 58095), (Start: 270 @58137 has 1 MA's), (Start: 273 @58143 has 30 MA's), (299, 58188), (353, 58290), (355, 58293), (373, 58329), (378, 58341), (412, 58410), (414, 58413), (420, 58425), (493, 58560), (517, 58626), (521, 58635), (537, 58665), (570, 58713), (572, 58716), (603, 58770), (620, 58815), (629, 58827), (670, 58893),

Gene: Patio_21 Start: 9753, Stop: 10526, Start Num: 189
Candidate Starts for Patio_21:
(Start: 189 @9753 has 22 MA's), (Start: 286 @9861 has 1 MA's), (287, 9864), (316, 9915), (340, 9957), (428, 10125), (609, 10446), (644, 10500),

Gene: Patos_91 Start: 59987, Stop: 60838, Start Num: 223
Candidate Starts for Patos_91:
(Start: 201 @59963 has 9 MA's), (204, 59966), (Start: 223 @59987 has 36 MA's), (Start: 227 @59996 has 1 MA's), (242, 60017), (Start: 270 @60059 has 1 MA's), (Start: 273 @60065 has 30 MA's), (299, 60110), (355, 60215), (360, 60224), (373, 60251), (378, 60263), (398, 60302), (493, 60482), (521, 60557), (537, 60587), (570, 60635), (572, 60638), (603, 60692), (620, 60737), (629, 60749), (670, 60815),

Gene: PatriciaStar_25 Start: 21883, Stop: 22584, Start Num: 233
Candidate Starts for PatriciaStar_25:
(Start: 227 @21874 has 1 MA's), (Start: 233 @21883 has 66 MA's), (301, 21976), (309, 21991), (333, 22036), (348, 22066), (386, 22138), (401, 22165), (420, 22192), (424, 22201), (428, 22210), (483, 22285), (486, 22291), (501, 22339), (515, 22369), (519, 22375), (609, 22498), (653, 22561),

Gene: PatrickStar_40 Start: 40828, Stop: 41550, Start Num: 240
Candidate Starts for PatrickStar_40:
(Start: 240 @40828 has 5 MA's), (276, 40882), (325, 40975), (375, 41056), (392, 41089), (434, 41167), (522, 41329), (573, 41389), (642, 41503),

Gene: Pemberton_20 Start: 7657, Stop: 8400, Start Num: 192
Candidate Starts for Pemberton_20:

(116, 7528), (Start: 192 @7657 has 3 MA's), (Start: 286 @7720 has 1 MA's), (287, 7723), (293, 7735), (340, 7816), (419, 7966), (429, 7990), (445, 8023), (497, 8119), (511, 8155), (588, 8281), (609, 8317), (644, 8371),

Gene: Pepperoni_24 Start: 19528, Stop: 20244, Start Num: 232
Candidate Starts for Pepperoni_24:
(Start: 211 @19501 has 1 MA's), (Start: 214 @19504 has 1 MA's), (Start: 232 @19528 has 67 MA's), (Start: 247 @19546 has 1 MA's), (333, 19684), (355, 19723), (374, 19759), (386, 19786), (420, 19840), (428, 19858), (463, 19921), (486, 19951), (515, 20029), (519, 20035), (647, 20212), (664, 20236),

Gene: Pepy6_033 Start: 28827, Stop: 29618, Start Num: 233
Candidate Starts for Pepy6_033:
(225, 28815), (Start: 233 @28827 has 66 MA's), (320, 28968), (390, 29103), (398, 29118), (422, 29166), (485, 29277), (516, 29343), (523, 29355), (559, 29412), (614, 29511), (648, 29565),

Gene: Peregrin_29 Start: 8642, Stop: 7968, Start Num: 254
Candidate Starts for Peregrin_29:
(237, 8666), (244, 8657), (Start: 254 @8642 has 4 MA's), (301, 8576), (303, 8573), (316, 8552), (334, 8519), (378, 8438), (428, 8345), (455, 8291), (487, 8252), (510, 8201), (521, 8180), (551, 8132), (596, 8060),

Gene: Periwinkle_30 Start: 21968, Stop: 22591, Start Num: 273
Candidate Starts for Periwinkle_30:
(64, 21593), (85, 21650), (96, 21695), (120, 21749), (121, 21752), (Start: 145 @21788 has 3 MA's), (162, 21833), (165, 21836), (Start: 273 @21968 has 30 MA's), (Start: 278 @21974 has 2 MA's), (293, 22004), (301, 22019), (338, 22079), (347, 22100), (380, 22160), (403, 22199), (434, 22271), (469, 22334), (497, 22379), (501, 22397), (512, 22418), (518, 22427), (627, 22559), (636, 22568), (644, 22580),

Gene: Perkunas_29 Start: 19840, Stop: 20625, Start Num: 233
Candidate Starts for Perkunas_29:
(Start: 233 @19840 has 66 MA's), (244, 19855), (292, 19933), (320, 19981), (322, 19987), (398, 20125), (421, 20170), (521, 20359), (523, 20362), (570, 20437), (587, 20464),

Gene: PerroGrande22_37 Start: 30153, Stop: 30944, Start Num: 233
Candidate Starts for PerroGrande22_37:
(Start: 233 @30153 has 66 MA's), (320, 30294), (348, 30345), (398, 30444), (422, 30492), (485, 30603), (523, 30681), (559, 30738), (589, 30786), (648, 30891),

Gene: PestoPenguin_30 Start: 22097, Stop: 22885, Start Num: 233
Candidate Starts for PestoPenguin_30:
(Start: 233 @22097 has 66 MA's), (Start: 263 @22142 has 12 MA's), (288, 22184), (320, 22238), (421, 22427), (521, 22616), (523, 22619), (570, 22694), (657, 22841),

Gene: Petito_29 Start: 20607, Stop: 21392, Start Num: 233
Candidate Starts for Petito_29:
(Start: 233 @20607 has 66 MA's), (Start: 263 @20652 has 12 MA's), (311, 20730), (320, 20748), (322, 20754), (323, 20757), (398, 20892), (416, 20925), (421, 20937), (521, 21126), (523, 21129), (570, 21204), (587, 21231), (657, 21351),

Gene: Petra_27 Start: 21152, Stop: 21940, Start Num: 207
Candidate Starts for Petra_27:

(92, 20948), (126, 21032), (141, 21053), (Start: 207 @21152 has 7 MA's), (Start: 219 @21164 has 3 MA's), (225, 21167), (Start: 247 @21194 has 1 MA's), (Start: 256 @21206 has 1 MA's), (267, 21221), (344, 21350), (357, 21362), (375, 21401), (407, 21449), (411, 21461), (425, 21491), (427, 21494), (428, 21497), (518, 21674), (532, 21695), (534, 21701), (540, 21710), (664, 21893), (678, 21917),

Gene: Phabuloso_27 Start: 21255, Stop: 21878, Start Num: 273
Candidate Starts for Phabuloso_27:
(64, 20880), (85, 20937), (96, 20982), (120, 21036), (121, 21039), (Start: 145 @21075 has 3 MA's), (162, 21120), (165, 21123), (Start: 273 @21255 has 30 MA's), (Start: 278 @21261 has 2 MA's), (293, 21291), (301, 21306), (338, 21366), (380, 21447), (403, 21486), (434, 21558), (469, 21621), (497, 21666), (501, 21684), (512, 21705), (518, 21714), (627, 21846), (636, 21855), (644, 21867),

Gene: PhaoMing_23 Start: 20071, Stop: 20694, Start Num: 273
Candidate Starts for PhaoMing_23:
(Start: 273 @20071 has 30 MA's), (279, 20080), (293, 20107), (301, 20122), (347, 20203), (403, 20302), (434, 20374), (469, 20437), (501, 20500), (512, 20521), (518, 20530), (524, 20542), (627, 20662), (636, 20671),

Gene: Phauci_37 Start: 35913, Stop: 36635, Start Num: 205
Candidate Starts for Phauci_37:
(Start: 205 @35913 has 17 MA's), (225, 35928), (288, 36006), (294, 36018), (339, 36078), (419, 36201), (468, 36294), (472, 36300), (499, 36348), (518, 36387), (567, 36462), (633, 36561), (662, 36600), (674, 36621),

Gene: Phepper_30 Start: 22090, Stop: 22878, Start Num: 233
Candidate Starts for Phepper_30:
(Start: 233 @22090 has 66 MA's), (282, 22165), (288, 22177), (320, 22231), (322, 22237), (348, 22282), (365, 22312), (400, 22378), (410, 22396), (416, 22408), (419, 22414), (421, 22420), (521, 22609), (523, 22612), (570, 22687), (657, 22834),

Gene: Pherobrine_29 Start: 22125, Stop: 22910, Start Num: 233
Candidate Starts for Pherobrine_29:
(196, 22080), (Start: 233 @22125 has 66 MA's), (Start: 263 @22170 has 12 MA's), (320, 22266), (400, 22413), (410, 22431), (414, 22440), (421, 22455), (460, 22539), (493, 22587), (523, 22647), (570, 22722),

Gene: Philon9_46 Start: 47751, Stop: 46924, Start Num: 193
Candidate Starts for Philon9_46:
(Start: 193 @47751 has 51 MA's), (Start: 217 @47727 has 6 MA's), (348, 47514), (463, 47307), (471, 47295), (493, 47256), (512, 47202), (543, 47139), (645, 46980),

Gene: Phinally_44 Start: 39060, Stop: 39779, Start Num: 205
Candidate Starts for Phinally_44:
(Start: 205 @39060 has 17 MA's), (225, 39075), (Start: 255 @39114 has 2 MA's), (288, 39153), (294, 39165), (319, 39204), (339, 39225), (472, 39444), (486, 39453), (493, 39471), (499, 39492), (518, 39531), (567, 39606), (633, 39705), (662, 39744), (674, 39765),

Gene: Phishy_50 Start: 37259, Stop: 38065, Start Num: 197
Candidate Starts for Phishy_50:
(Start: 197 @37259 has 5 MA's), (Start: 256 @37322 has 1 MA's), (315, 37412), (383, 37544), (388, 37550), (390, 37553), (461, 37700), (501, 37781), (518, 37811), (521, 37817), (556, 37868), (637, 37994), (671, 38042),

Gene: Phistory_29 Start: 22289, Stop: 22912, Start Num: 273
Candidate Starts for Phistory_29:
(64, 21914), (85, 21971), (96, 22016), (120, 22070), (121, 22073), (Start: 145 @22109 has 3 MA's), (162, 22154), (165, 22157), (Start: 273 @22289 has 30 MA's), (Start: 278 @22295 has 2 MA's), (293, 22325), (301, 22340), (338, 22400), (380, 22481), (403, 22520), (434, 22592), (469, 22655), (497, 22700), (501, 22718), (512, 22739), (518, 22748), (627, 22880), (636, 22889), (644, 22901),

Gene: Phlop_43 Start: 36377, Stop: 37132, Start Num: 203
Candidate Starts for Phlop_43:
(188, 36362), (Start: 203 @36377 has 34 MA's), (Start: 264 @36449 has 16 MA's), (294, 36485), (338, 36557), (474, 36752), (480, 36758), (493, 36785), (511, 36833), (578, 36935), (632, 37019), (681, 37091),

Gene: Phomeo_18 Start: 9034, Stop: 9759, Start Num: 189
Candidate Starts for Phomeo_18:
(Start: 189 @9034 has 22 MA's), (216, 9058), (Start: 286 @9091 has 1 MA's), (287, 9094), (309, 9130), (316, 9145), (340, 9187), (364, 9226), (419, 9334), (511, 9526), (576, 9628), (598, 9658), (609, 9679), (617, 9694), (659, 9754),

Gene: PhorbesPhlower_24 Start: 19442, Stop: 20146, Start Num: 228
Candidate Starts for PhorbesPhlower_24:
(Start: 228 @19442 has 2 MA's), (301, 19538), (348, 19628), (361, 19649), (363, 19652), (375, 19676), (386, 19700), (388, 19703), (397, 19718), (420, 19754), (463, 19832), (490, 19859), (505, 19910), (515, 19931), (641, 20108), (662, 20138),

Gene: PhriskyACE_24 Start: 20685, Stop: 21473, Start Num: 207
Candidate Starts for PhriskyACE_24:
(106, 20526), (Start: 198 @20676 has 35 MA's), (Start: 207 @20685 has 7 MA's), (Start: 219 @20697 has 3 MA's), (225, 20700), (Start: 247 @20727 has 1 MA's), (Start: 256 @20739 has 1 MA's), (294, 20790), (344, 20883), (373, 20928), (374, 20931), (375, 20934), (376, 20937), (411, 20994), (420, 21012), (427, 21027), (428, 21030), (470, 21108), (480, 21120), (493, 21147), (518, 21207), (540, 21243), (624, 21375), (639, 21393), (664, 21429), (684, 21465),

Gene: PhrostedPhlake_27 Start: 21845, Stop: 22648, Start Num: 198
Candidate Starts for PhrostedPhlake_27:
(Start: 198 @21845 has 35 MA's), (Start: 247 @21893 has 1 MA's), (Start: 256 @21905 has 1 MA's), (267, 21920), (294, 21956), (344, 22049), (375, 22100), (410, 22157), (411, 22160), (420, 22178), (425, 22190), (427, 22193), (428, 22196), (518, 22373), (532, 22394), (534, 22400), (637, 22556), (664, 22592), (678, 22616), (689, 22637),

Gene: Pickett_23 Start: 18631, Stop: 19332, Start Num: 232
Candidate Starts for Pickett_23:
(220, 18616), (Start: 223 @18619 has 36 MA's), (Start: 232 @18631 has 67 MA's), (309, 18739), (324, 18775), (373, 18856), (393, 18895), (420, 18940), (439, 18979), (505, 19096), (515, 19117), (519, 19123), (556, 19180), (662, 19324),

Gene: PierreThree_50 Start: 47263, Stop: 46403, Start Num: 193
Candidate Starts for PierreThree_50:
(Start: 193 @47263 has 51 MA's), (220, 47239), (Start: 255 @47185 has 2 MA's), (279, 47149), (301, 47110), (333, 47050), (342, 47032), (367, 46993), (385, 46957), (389, 46951), (481, 46780), (509, 46705), (520, 46675), (576, 46588), (614, 46513), (637, 46486), (675, 46432), (679, 46426),

Gene: PinkCoffee_46 Start: 36480, Stop: 37235, Start Num: 203

Candidate Starts for PinkCoffee_46:
(188, 36465), (Start: 203 @36480 has 34 MA's), (Start: 264 @36552 has 16 MA's), (294, 36588), (338, 36660), (474, 36855), (480, 36861), (493, 36888), (511, 36936), (578, 37038), (632, 37122), (681, 37194),

Gene: Pipp_25 Start: 21146, Stop: 21946, Start Num: 198
Candidate Starts for Pipp_25:
(Start: 198 @21146 has 35 MA's), (Start: 247 @21194 has 1 MA's), (Start: 256 @21206 has 1 MA's), (294, 21257), (344, 21350), (375, 21401), (410, 21458), (411, 21461), (420, 21479), (425, 21491), (427, 21494), (428, 21497), (504, 21650), (518, 21674), (532, 21695), (664, 21893), (678, 21917), (689, 21935),

Gene: Pleakley_25 Start: 9799, Stop: 10464, Start Num: 286
Candidate Starts for Pleakley_25:
(Start: 286 @9799 has 1 MA's), (287, 9802), (316, 9859), (340, 9901), (403, 10015), (410, 10030), (419, 10048), (434, 10084), (474, 10153), (480, 10159), (512, 10237), (518, 10246), (555, 10300), (598, 10360),

Gene: Poco6_034 Start: 30846, Stop: 31637, Start Num: 233
Candidate Starts for Poco6_034:
(Start: 233 @30846 has 66 MA's), (320, 30987), (348, 31038), (398, 31137), (422, 31185), (485, 31296), (523, 31374), (559, 31431), (589, 31479), (648, 31584),

Gene: PokyPuppy_49 Start: 47212, Stop: 46361, Start Num: 193
Candidate Starts for PokyPuppy_49:
(70, 47464), (82, 47440), (Start: 193 @47212 has 51 MA's), (246, 47149), (Start: 255 @47134 has 2 MA's), (279, 47098), (301, 47056), (342, 46978), (361, 46951), (385, 46903), (410, 46864), (481, 46729), (509, 46654), (520, 46624), (614, 46462), (637, 46435), (679, 46375),

Gene: Poland_54 Start: 48187, Stop: 47330, Start Num: 193
Candidate Starts for Poland_54:
(66, 48454), (75, 48430), (Start: 193 @48187 has 51 MA's), (220, 48163), (Start: 255 @48109 has 2 MA's), (301, 48034), (333, 47974), (342, 47956), (360, 47932), (367, 47917), (385, 47881), (389, 47875), (481, 47704), (509, 47629), (520, 47599), (576, 47512), (614, 47437), (637, 47410), (679, 47350),

Gene: Pollux_27 Start: 21910, Stop: 22626, Start Num: 232
Candidate Starts for Pollux_27:
(Start: 211 @21883 has 1 MA's), (Start: 214 @21886 has 1 MA's), (Start: 232 @21910 has 67 MA's), (Start: 247 @21928 has 1 MA's), (287, 21982), (333, 22066), (355, 22105), (374, 22141), (386, 22168), (420, 22222), (428, 22240), (486, 22333), (515, 22411), (519, 22417), (647, 22594), (660, 22612),

Gene: Polly_24 Start: 21758, Stop: 22366, Start Num: 278
Candidate Starts for Polly_24:
(177, 21650), (Start: 215 @21689 has 4 MA's), (239, 21722), (Start: 263 @21749 has 12 MA's), (Start: 278 @21758 has 2 MA's), (301, 21800), (309, 21812), (338, 21860), (347, 21881), (362, 21902), (377, 21935), (403, 21980), (421, 22019), (445, 22067), (469, 22115), (501, 22178), (560, 22259), (609, 22310), (627, 22337),

Gene: Polyyuki_20 Start: 9999, Stop: 10895, Start Num: 201
Candidate Starts for Polyyuki_20:
(72, 9762), (Start: 201 @9999 has 9 MA's), (259, 10077), (310, 10164), (337, 10212), (343, 10227), (389, 10305), (411, 10350), (480, 10482), (518, 10575), (527, 10590), (594, 10689), (630, 10770),

(664, 10818), (688, 10863),

Gene: Pons_48 Start: 35462, Stop: 34665, Start Num: 159
Candidate Starts for Pons_48:
(118, 35522), (Start: 159 @35462 has 67 MA's), (Start: 217 @35390 has 6 MA's), (Start: 240 @35369 has 5 MA's), (276, 35318), (312, 35261), (343, 35207), (366, 35168), (381, 35147), (476, 35003), (495, 34970), (552, 34865), (609, 34787), (658, 34718), (671, 34694), (680, 34679), (687, 34670),

Gene: Portcullis_45 Start: 35691, Stop: 36446, Start Num: 203
Candidate Starts for Portcullis_45:
(140, 35595), (Start: 203 @35691 has 34 MA's), (Start: 264 @35763 has 16 MA's), (294, 35799), (338, 35871), (474, 36066), (480, 36072), (493, 36099), (578, 36249), (632, 36333), (681, 36405),

Gene: Posh_28 Start: 22753, Stop: 23376, Start Num: 257
Candidate Starts for Posh_28:
(Start: 257 @22753 has 7 MA's), (279, 22762), (301, 22804), (320, 22840), (347, 22885), (362, 22906), (377, 22939), (403, 22984), (434, 23056), (445, 23071), (469, 23119), (497, 23164), (501, 23182), (512, 23203), (518, 23212), (560, 23266), (609, 23317), (627, 23344), (636, 23353), (638, 23356),

Gene: PotPie_46 Start: 36143, Stop: 35340, Start Num: 159
Candidate Starts for PotPie_46:
(118, 36203), (Start: 159 @36143 has 67 MA's), (312, 35936), (343, 35882), (357, 35861), (366, 35843), (370, 35834), (381, 35822), (391, 35807), (459, 35696), (476, 35678), (495, 35645), (549, 35543), (600, 35483), (609, 35462), (658, 35393), (680, 35354), (687, 35345),

Gene: PrincePatrick_25 Start: 21553, Stop: 22266, Start Num: 232
Candidate Starts for PrincePatrick_25:
(Start: 223 @21538 has 36 MA's), (Start: 232 @21553 has 67 MA's), (243, 21565), (245, 21568), (Start: 247 @21571 has 1 MA's), (316, 21679), (333, 21709), (348, 21739), (374, 21784), (397, 21829), (401, 21838), (420, 21871), (428, 21889), (486, 21976), (490, 21982), (505, 22033), (515, 22054), (519, 22060), (540, 22099), (549, 22111), (609, 22183), (653, 22246),

Gene: PsychoKiller_44 Start: 33794, Stop: 32955, Start Num: 159
Candidate Starts for PsychoKiller_44:
(36, 34115), (41, 34091), (43, 34088), (65, 34001), (81, 33956), (118, 33854), (Start: 159 @33794 has 67 MA's), (202, 33734), (Start: 229 @33704 has 14 MA's), (Start: 233 @33698 has 66 MA's), (301, 33617), (363, 33509), (378, 33476), (395, 33449), (540, 33185), (664, 33014), (668, 33005),

Gene: PullumCavea_43 Start: 36377, Stop: 37132, Start Num: 203
Candidate Starts for PullumCavea_43:
(188, 36362), (Start: 203 @36377 has 34 MA's), (Start: 264 @36449 has 16 MA's), (294, 36485), (338, 36557), (474, 36752), (480, 36758), (493, 36785), (511, 36833), (578, 36935), (632, 37019), (681, 37091),

Gene: Pumpkiney_47 Start: 38004, Stop: 38729, Start Num: 205
Candidate Starts for Pumpkiney_47:
(88, 37788), (110, 37857), (127, 37893), (149, 37920), (Start: 205 @38004 has 17 MA's), (294, 38109), (339, 38169), (353, 38187), (375, 38229), (414, 38286), (425, 38310), (457, 38376), (518, 38475), (540, 38511), (561, 38538), (633, 38649), (660, 38685),

Gene: Pytheas_28 Start: 22899, Stop: 23522, Start Num: 257
Candidate Starts for Pytheas_28:

(Start: 257 @22899 has 7 MA's), (279, 22908), (301, 22950), (320, 22986), (347, 23031), (362, 23052), (377, 23085), (403, 23130), (434, 23202), (445, 23217), (469, 23265), (497, 23310), (501, 23328), (512, 23349), (518, 23358), (560, 23412), (609, 23463), (627, 23490), (636, 23499), (638, 23502),

Gene: Pywacket_83 Start: 58931, Stop: 59782, Start Num: 223
Candidate Starts for Pywacket_83:
(Start: 201 @58907 has 9 MA's), (204, 58910), (Start: 223 @58931 has 36 MA's), (Start: 227 @58940 has 1 MA's), (242, 58961), (Start: 270 @59003 has 1 MA's), (Start: 273 @59009 has 30 MA's), (355, 59159), (360, 59168), (373, 59195), (378, 59207), (398, 59246), (493, 59426), (517, 59492), (521, 59501), (537, 59531), (557, 59558), (572, 59582), (603, 59636), (620, 59681), (629, 59693), (670, 59759),

Gene: Quasar_45 Start: 34456, Stop: 33617, Start Num: 159
Candidate Starts for Quasar_45:
(36, 34777), (41, 34753), (65, 34663), (81, 34618), (118, 34516), (Start: 159 @34456 has 67 MA's), (202, 34396), (Start: 233 @34360 has 66 MA's), (301, 34279), (363, 34171), (378, 34138), (395, 34111), (540, 33847), (664, 33676), (668, 33667),

Gene: RADical_46 Start: 33788, Stop: 32949, Start Num: 159
Candidate Starts for RADical_46:
(36, 34109), (41, 34085), (43, 34082), (55, 34037), (65, 33995), (81, 33950), (118, 33848), (Start: 159 @33788 has 67 MA's), (202, 33728), (Start: 229 @33698 has 14 MA's), (Start: 233 @33692 has 66 MA's), (301, 33611), (363, 33503), (378, 33470), (395, 33443), (540, 33179), (664, 33008), (668, 32999),

Gene: RSchmailzl_46 Start: 33944, Stop: 33105, Start Num: 159
Candidate Starts for RSchmailzl_46:
(36, 34265), (41, 34241), (43, 34238), (65, 34151), (81, 34106), (118, 34004), (Start: 159 @33944 has 67 MA's), (202, 33884), (Start: 233 @33848 has 66 MA's), (301, 33767), (363, 33659), (378, 33626), (395, 33599), (540, 33335), (664, 33164), (668, 33155),

Gene: Rabbitrun_118 Start: 66939, Stop: 67664, Start Num: 209
Candidate Starts for Rabbitrun_118:
(Start: 209 @66939 has 10 MA's), (260, 66999), (290, 67047), (311, 67083), (355, 67137), (397, 67200), (424, 67242), (433, 67266), (436, 67272), (477, 67341), (480, 67344), (540, 67464), (595, 67524), (692, 67656),

Gene: Ranch_90 Start: 58464, Stop: 59315, Start Num: 223
Candidate Starts for Ranch_90:
(112, 58287), (124, 58314), (129, 58323), (139, 58338), (147, 58347), (Start: 201 @58440 has 9 MA's), (204, 58443), (Start: 223 @58464 has 36 MA's), (Start: 227 @58473 has 1 MA's), (242, 58494), (Start: 270 @58536 has 1 MA's), (Start: 273 @58542 has 30 MA's), (355, 58692), (360, 58701), (373, 58728), (378, 58740), (398, 58779), (412, 58809), (414, 58812), (420, 58824), (493, 58959), (521, 59034), (537, 59064), (559, 59094), (570, 59112), (572, 59115), (603, 59169), (620, 59214), (670, 59292),

Gene: RanchParmCat_50 Start: 35272, Stop: 34418, Start Num: 125
Candidate Starts for RanchParmCat_50:
(46, 35509), (84, 35386), (119, 35287), (Start: 125 @35272 has 9 MA's), (137, 35254), (166, 35206), (174, 35194), (243, 35125), (Start: 255 @35119 has 2 MA's), (276, 35092), (290, 35074), (324, 35005), (336, 34993), (337, 34990), (363, 34942), (385, 34897), (453, 34786), (462, 34771), (492, 34732), (501, 34696), (507, 34684), (547, 34624), (549, 34621), (653, 34480), (666, 34459),

Gene: RavenCo17_24 Start: 20690, Stop: 21409, Start Num: 232

Candidate Starts for RavenCo17_24:
(18, 19883), (22, 20024), (54, 20324), (134, 20546), (Start: 232 @20690 has 67 MA's), (287, 20756), (301, 20783), (309, 20798), (333, 20843), (361, 20894), (373, 20915), (386, 20945), (420, 20999), (424, 21008), (428, 21017), (515, 21185), (519, 21191), (592, 21293), (628, 21356),

Gene: RayTheFireFly_27 Start: 22566, Stop: 23267, Start Num: 232
Candidate Starts for RayTheFireFly_27:
(Start: 232 @22566 has 67 MA's), (250, 22584), (301, 22659), (309, 22674), (361, 22770), (365, 22776), (386, 22821), (420, 22875), (424, 22884), (428, 22893), (483, 22968), (486, 22974), (515, 23052), (519, 23058), (609, 23181), (653, 23244),

Gene: RazorC_84 Start: 56931, Stop: 57782, Start Num: 223
Candidate Starts for RazorC_84:
(124, 56781), (129, 56790), (139, 56805), (147, 56814), (Start: 201 @56907 has 9 MA's), (204, 56910), (Start: 223 @56931 has 36 MA's), (Start: 235 @56952 has 4 MA's), (242, 56961), (Start: 270 @57003 has 1 MA's), (Start: 273 @57009 has 30 MA's), (299, 57054), (353, 57156), (355, 57159), (373, 57195), (378, 57207), (398, 57246), (412, 57276), (414, 57279), (420, 57291), (421, 57294), (493, 57426), (517, 57492), (521, 57501), (537, 57531), (557, 57558), (570, 57579), (603, 57636), (620, 57681), (670, 57759),

Gene: RedBaron_49 Start: 34123, Stop: 33284, Start Num: 159
Candidate Starts for RedBaron_49:
(36, 34444), (41, 34420), (43, 34417), (55, 34372), (65, 34330), (81, 34285), (118, 34183), (Start: 159 @34123 has 67 MA's), (202, 34063), (Start: 229 @34033 has 14 MA's), (Start: 233 @34027 has 66 MA's), (301, 33946), (363, 33838), (378, 33805), (395, 33778), (540, 33514), (664, 33343), (668, 33334),

Gene: RedRaider_25 Start: 10628, Stop: 11401, Start Num: 189
Candidate Starts for RedRaider_25:
(Start: 189 @10628 has 22 MA's), (Start: 286 @10736 has 1 MA's), (287, 10739), (340, 10832), (428, 11000), (497, 11132), (547, 11225), (609, 11321), (644, 11375),

Gene: RemRem_50 Start: 45725, Stop: 44868, Start Num: 193
Candidate Starts for RemRem_50:
(Start: 193 @45725 has 51 MA's), (220, 45701), (246, 45662), (Start: 255 @45647 has 2 MA's), (279, 45611), (301, 45572), (333, 45512), (342, 45494), (367, 45455), (385, 45419), (389, 45413), (481, 45242), (509, 45167), (520, 45137), (576, 45050), (614, 44975), (637, 44948), (679, 44888),

Gene: Reyja_51 Start: 33537, Stop: 34391, Start Num: 168
Candidate Starts for Reyja_51:
(Start: 168 @33537 has 7 MA's), (303, 33720), (422, 33918), (434, 33951), (486, 34044), (518, 34122), (583, 34233), (586, 34236), (591, 34242), (609, 34278), (623, 34305), (676, 34380),

Gene: Reynauld_61 Start: 54042, Stop: 53173, Start Num: 173
Candidate Starts for Reynauld_61:
(Start: 173 @54042 has 2 MA's), (Start: 193 @54015 has 51 MA's), (Start: 233 @53964 has 66 MA's), (237, 53958), (321, 53832), (394, 53715), (410, 53682), (428, 53643), (480, 53553), (518, 53466), (568, 53388), (586, 53355), (617, 53295), (632, 53274), (659, 53235), (665, 53226), (691, 53178),

Gene: Ribeye_46 Start: 40481, Stop: 41224, Start Num: 200
Candidate Starts for Ribeye_46:
(Start: 200 @40481 has 54 MA's), (Start: 219 @40499 has 3 MA's), (Start: 256 @40544 has 1 MA's), (294, 40589), (339, 40664), (353, 40682), (394, 40751), (448, 40844), (450, 40856), (540, 41012),

(549, 41024), (567, 41051), (590, 41084), (605, 41111), (633, 41150), (655, 41177),

Gene: Rickmore_29 Start: 20743, Stop: 21531, Start Num: 233
Candidate Starts for Rickmore_29:
(Start: 233 @20743 has 66 MA's), (313, 20869), (320, 20884), (400, 21031), (421, 21073), (490, 21193), (523, 21265), (657, 21487),

Gene: Riduram_83 Start: 56506, Stop: 57357, Start Num: 223
Candidate Starts for Riduram_83:
(Start: 201 @56482 has 9 MA's), (204, 56485), (Start: 223 @56506 has 36 MA's), (Start: 235 @56527 has 4 MA's), (242, 56536), (Start: 270 @56578 has 1 MA's), (Start: 273 @56584 has 30 MA's), (299, 56629), (353, 56731), (355, 56734), (373, 56770), (378, 56782), (398, 56821), (412, 56851), (414, 56854), (420, 56866), (493, 57001), (517, 57067), (521, 57076), (537, 57106), (557, 57133), (570, 57154), (603, 57211), (606, 57220), (620, 57256), (670, 57334),

Gene: RiverRaider_46 Start: 38597, Stop: 39352, Start Num: 200
Candidate Starts for RiverRaider_46:
(Start: 200 @38597 has 54 MA's), (Start: 219 @38615 has 3 MA's), (Start: 247 @38645 has 1 MA's), (294, 38702), (320, 38747), (339, 38777), (356, 38798), (375, 38837), (419, 38903), (448, 38957), (518, 39086), (549, 39140), (567, 39167), (655, 39293), (667, 39314),

Gene: Rizz_28 Start: 21603, Stop: 22391, Start Num: 208
Candidate Starts for Rizz_28:
(Start: 198 @21591 has 35 MA's), (Start: 208 @21603 has 15 MA's), (Start: 219 @21615 has 3 MA's), (225, 21618), (Start: 247 @21645 has 1 MA's), (Start: 256 @21657 has 1 MA's), (294, 21708), (344, 21801), (373, 21846), (374, 21849), (375, 21852), (411, 21912), (420, 21930), (425, 21942), (427, 21945), (428, 21948), (480, 22038), (518, 22125), (664, 22347), (678, 22371),

Gene: RoadKill_54 Start: 43158, Stop: 43937, Start Num: 159
Candidate Starts for RoadKill_54:
(87, 42996), (107, 43062), (113, 43077), (Start: 159 @43158 has 67 MA's), (167, 43179), (Start: 235 @43257 has 4 MA's), (Start: 255 @43272 has 2 MA's), (290, 43317), (345, 43407), (365, 43440), (419, 43533), (476, 43599), (507, 43668), (540, 43722), (685, 43923),

Gene: RobinSparkles_42 Start: 41471, Stop: 42193, Start Num: 240
Candidate Starts for RobinSparkles_42:
(Start: 240 @41471 has 5 MA's), (244, 41477), (268, 41513), (276, 41525), (325, 41618), (398, 41744), (416, 41762), (419, 41768), (434, 41810), (463, 41864), (473, 41876), (522, 41972), (573, 42032), (642, 42146),

Gene: Rofo_46 Start: 40199, Stop: 40933, Start Num: 200
Candidate Starts for Rofo_46:
(107, 40052), (Start: 159 @40142 has 67 MA's), (Start: 200 @40199 has 54 MA's), (Start: 219 @40217 has 3 MA's), (294, 40304), (311, 40331), (339, 40379), (353, 40397), (375, 40439), (424, 40517), (448, 40559), (464, 40592), (540, 40727), (567, 40766), (633, 40865), (655, 40892), (676, 40925),

Gene: RogerDodger_47 Start: 36520, Stop: 37275, Start Num: 203
Candidate Starts for RogerDodger_47:
(152, 36442), (Start: 203 @36520 has 34 MA's), (Start: 264 @36592 has 16 MA's), (294, 36628), (338, 36700), (474, 36895), (480, 36901), (493, 36928), (511, 36976), (578, 37078), (632, 37162), (681, 37234),

Gene: Roney_27 Start: 19428, Stop: 20213, Start Num: 233

Candidate Starts for Roney_27:
(Start: 233 @19428 has 66 MA's), (244, 19443), (276, 19491), (293, 19524), (320, 19569), (322, 19575), (398, 19713), (416, 19746), (421, 19758), (521, 19947), (523, 19950), (570, 20025), (587, 20052), (657, 20172),

Gene: Rota_85 Start: 58898, Stop: 59749, Start Num: 223
Candidate Starts for Rota_85:
(Start: 201 @58874 has 9 MA's), (204, 58877), (Start: 223 @58898 has 36 MA's), (Start: 227 @58907 has 1 MA's), (242, 58928), (Start: 270 @58970 has 1 MA's), (Start: 273 @58976 has 30 MA's), (299, 59021), (355, 59126), (360, 59135), (373, 59162), (378, 59174), (398, 59213), (412, 59243), (414, 59246), (420, 59258), (493, 59393), (517, 59459), (521, 59468), (537, 59498), (570, 59546), (572, 59549), (603, 59603), (620, 59648), (670, 59726),

Gene: RoyalG_50 Start: 46557, Stop: 45703, Start Num: 193
Candidate Starts for RoyalG_50:
(Start: 193 @46557 has 51 MA's), (220, 46533), (Start: 255 @46479 has 2 MA's), (301, 46401), (342, 46323), (348, 46311), (385, 46248), (389, 46242), (408, 46218), (410, 46212), (481, 46077), (509, 46002), (533, 45948),

Gene: Rukungu_87 Start: 59252, Stop: 60103, Start Num: 223
Candidate Starts for Rukungu_87:
(112, 59075), (124, 59102), (129, 59111), (139, 59126), (147, 59135), (Start: 201 @59228 has 9 MA's), (204, 59231), (Start: 223 @59252 has 36 MA's), (Start: 227 @59261 has 1 MA's), (242, 59282), (Start: 270 @59324 has 1 MA's), (Start: 273 @59330 has 30 MA's), (299, 59375), (355, 59480), (373, 59516), (378, 59528), (398, 59567), (412, 59597), (414, 59600), (420, 59612), (493, 59747), (517, 59813), (521, 59822), (537, 59852), (557, 59879), (572, 59903), (603, 59957), (620, 60002), (629, 60014), (670, 60080),

Gene: Rumi_85 Start: 56474, Stop: 57325, Start Num: 223
Candidate Starts for Rumi_85:
(124, 56324), (129, 56333), (139, 56348), (147, 56357), (Start: 201 @56450 has 9 MA's), (204, 56453), (Start: 223 @56474 has 36 MA's), (Start: 227 @56483 has 1 MA's), (Start: 235 @56495 has 4 MA's), (242, 56504), (Start: 270 @56546 has 1 MA's), (Start: 273 @56552 has 30 MA's), (299, 56597), (353, 56699), (355, 56702), (373, 56738), (378, 56750), (398, 56789), (412, 56819), (414, 56822), (420, 56834), (421, 56837), (493, 56969), (517, 57035), (521, 57044), (537, 57074), (557, 57101), (570, 57122), (603, 57179), (620, 57224), (670, 57302),

Gene: Runhaar_30 Start: 22093, Stop: 22881, Start Num: 233
Candidate Starts for Runhaar_30:
(Start: 233 @22093 has 66 MA's), (282, 22168), (288, 22180), (320, 22234), (322, 22240), (348, 22285), (365, 22315), (400, 22381), (410, 22399), (416, 22411), (419, 22417), (421, 22423), (521, 22612), (523, 22615), (530, 22630), (570, 22690), (657, 22837),

Gene: Ruthy_29 Start: 24516, Stop: 25301, Start Num: 219
Candidate Starts for Ruthy_29:
(Start: 191 @24495 has 9 MA's), (Start: 200 @24504 has 54 MA's), (Start: 219 @24516 has 3 MA's), (225, 24519), (Start: 247 @24546 has 1 MA's), (Start: 256 @24558 has 1 MA's), (294, 24609), (375, 24753), (407, 24801), (411, 24813), (420, 24831), (425, 24843), (427, 24846), (428, 24849), (518, 25026), (532, 25047), (561, 25089), (624, 25194), (664, 25248), (678, 25272),

Gene: Sadboi_86 Start: 58752, Stop: 59600, Start Num: 223
Candidate Starts for Sadboi_86:

(Start: 201 @58728 has 9 MA's), (204, 58731), (210, 58740), (Start: 223 @58752 has 36 MA's), (Start: 227 @58761 has 1 MA's), (Start: 235 @58773 has 4 MA's), (242, 58782), (Start: 257 @58806 has 7 MA's), (Start: 270 @58824 has 1 MA's), (Start: 273 @58830 has 30 MA's), (304, 58881), (355, 58977), (360, 58986), (373, 59013), (378, 59025), (412, 59094), (414, 59097), (420, 59109), (493, 59244), (521, 59319), (537, 59349), (570, 59397), (572, 59400), (603, 59454), (620, 59499), (629, 59511), (670, 59577),

Gene: Sahara_23 Start: 19470, Stop: 20177, Start Num: 232
Candidate Starts for Sahara_23:
(134, 19326), (Start: 232 @19470 has 67 MA's), (279, 19527), (301, 19566), (333, 19626), (342, 19644), (343, 19647), (355, 19665), (374, 19701), (393, 19737), (401, 19755), (421, 19785), (463, 19860), (515, 19959), (519, 19965), (662, 20169),

Gene: Salvador_43 Start: 36189, Stop: 36944, Start Num: 203
Candidate Starts for Salvador_43:
(140, 36093), (Start: 203 @36189 has 34 MA's), (Start: 264 @36261 has 16 MA's), (294, 36297), (338, 36369), (352, 36384), (474, 36564), (480, 36570), (493, 36597), (511, 36645), (578, 36747), (632, 36831), (681, 36903),

Gene: Sam12_49 Start: 45725, Stop: 44868, Start Num: 193
Candidate Starts for Sam12_49:
(Start: 193 @45725 has 51 MA's), (220, 45701), (246, 45662), (Start: 255 @45647 has 2 MA's), (279, 45611), (301, 45572), (333, 45512), (342, 45494), (367, 45455), (385, 45419), (389, 45413), (481, 45242), (509, 45167), (520, 45137), (576, 45050), (614, 44975), (637, 44948), (679, 44888),

Gene: Samba_25 Start: 21230, Stop: 22033, Start Num: 198
Candidate Starts for Samba_25:
(Start: 198 @21230 has 35 MA's), (Start: 247 @21278 has 1 MA's), (Start: 256 @21290 has 1 MA's), (267, 21305), (344, 21434), (357, 21446), (375, 21485), (407, 21533), (411, 21545), (420, 21563), (425, 21575), (427, 21578), (428, 21581), (518, 21758), (532, 21779), (534, 21785), (637, 21941), (664, 21977), (678, 22001), (689, 22022),

Gene: Samman98_25 Start: 21237, Stop: 22025, Start Num: 208
Candidate Starts for Samman98_25:
(Start: 198 @21225 has 35 MA's), (Start: 208 @21237 has 15 MA's), (Start: 219 @21249 has 3 MA's), (225, 21252), (Start: 247 @21279 has 1 MA's), (Start: 256 @21291 has 1 MA's), (294, 21342), (344, 21435), (373, 21480), (374, 21483), (375, 21486), (376, 21489), (411, 21546), (420, 21564), (425, 21576), (427, 21579), (428, 21582), (480, 21672), (518, 21759), (540, 21795), (624, 21927), (639, 21945), (664, 21981), (684, 22017),

Gene: Sampson_46 Start: 40628, Stop: 41350, Start Num: 205
Candidate Starts for Sampson_46:
(88, 40412), (127, 40517), (Start: 205 @40628 has 17 MA's), (294, 40733), (300, 40742), (339, 40793), (353, 40811), (375, 40853), (420, 40919), (422, 40925), (425, 40931), (457, 40997), (518, 41096), (633, 41270), (647, 41291), (660, 41306),

Gene: Sampudon_88 Start: 59669, Stop: 60520, Start Num: 223
Candidate Starts for Sampudon_88:
(Start: 201 @59645 has 9 MA's), (204, 59648), (Start: 223 @59669 has 36 MA's), (Start: 227 @59678 has 1 MA's), (242, 59699), (Start: 270 @59741 has 1 MA's), (Start: 273 @59747 has 30 MA's), (299, 59792), (355, 59897), (360, 59906), (373, 59933), (378, 59945), (398, 59984), (493, 60164), (517, 60230), (521, 60239), (537, 60269), (557, 60296), (572, 60320), (603, 60374), (620, 60419), (629, 60431), (670, 60497),

Gene: Sanjuju_44 Start: 40813, Stop: 41547, Start Num: 200
Candidate Starts for Sanjuju_44:
(107, 40666), (Start: 159 @40756 has 67 MA's), (Start: 200 @40813 has 54 MA's), (Start: 219 @40831 has 3 MA's), (294, 40918), (311, 40945), (339, 40993), (353, 41011), (375, 41053), (424, 41131), (448, 41173), (464, 41206), (540, 41341), (567, 41380), (633, 41479), (655, 41506), (676, 41539),

Gene: Santhid_48 Start: 31055, Stop: 31930, Start Num: 168
Candidate Starts for Santhid_48:
(68, 30830), (100, 30929), (104, 30938), (119, 30968), (150, 31019), (153, 31025), (Start: 168 @31055 has 7 MA's), (303, 31238), (421, 31457), (422, 31460), (434, 31493), (474, 31568), (480, 31574), (486, 31583), (518, 31661), (583, 31772), (586, 31775), (591, 31781), (609, 31817), (623, 31844), (676, 31919),

Gene: Sapo_40 Start: 36566, Stop: 37357, Start Num: 159
Candidate Starts for Sapo_40:
(130, 36521), (133, 36524), (Start: 159 @36566 has 67 MA's), (164, 36584), (Start: 211 @36641 has 1 MA's), (220, 36650), (321, 36785), (363, 36845), (387, 36893), (389, 36896), (438, 36989), (494, 37046), (520, 37109), (681, 37331),

Gene: Saronaya_45 Start: 39323, Stop: 40066, Start Num: 200
Candidate Starts for Saronaya_45:
(Start: 200 @39323 has 54 MA's), (Start: 219 @39341 has 3 MA's), (Start: 256 @39386 has 1 MA's), (294, 39431), (330, 39494), (339, 39506), (353, 39524), (375, 39566), (394, 39593), (448, 39686), (450, 39698), (520, 39818), (540, 39854), (549, 39866), (567, 39893), (590, 39926), (607, 39959), (633, 39992), (655, 40019),

Gene: Savage_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Savage_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Savbucketdawg_44 Start: 35970, Stop: 36725, Start Num: 203
Candidate Starts for Savbucketdawg_44:
(140, 35874), (Start: 203 @35970 has 34 MA's), (Start: 264 @36042 has 16 MA's), (338, 36150), (372, 36195), (474, 36345), (480, 36351), (493, 36378), (511, 36426), (578, 36528), (632, 36612), (681, 36684),

Gene: ScarletRaider_30 Start: 24488, Stop: 25168, Start Num: 229
Candidate Starts for ScarletRaider_30:
(Start: 229 @24488 has 14 MA's), (285, 24545), (362, 24662), (377, 24695), (395, 24725), (397, 24728), (408, 24749), (410, 24755), (419, 24773), (428, 24794), (463, 24863), (480, 24887), (491, 24905), (497, 24926), (550, 25019), (560, 25028), (609, 25079), (654, 25148), (665, 25163),

Gene: Schnabeltier_26 Start: 21755, Stop: 22468, Start Num: 232
Candidate Starts for Schnabeltier_26:
(183, 21698), (Start: 232 @21755 has 67 MA's), (301, 21848), (309, 21863), (333, 21908), (375, 21986), (386, 22010), (424, 22073), (428, 22082), (481, 22157), (511, 22232), (515, 22244), (519, 22250), (609, 22385),

Gene: Schomber_30 Start: 21318, Stop: 22016, Start Num: 229
Candidate Starts for Schomber_30:

(Start: 217 @21300 has 6 MA's), (Start: 229 @21318 has 14 MA's), (285, 21381), (305, 21417), (341, 21477), (347, 21489), (362, 21510), (377, 21543), (395, 21573), (397, 21576), (408, 21597), (410, 21603), (412, 21609), (422, 21630), (480, 21735), (486, 21744), (512, 21813), (514, 21819), (538, 21855), (550, 21867), (598, 21906), (609, 21927), (654, 21996), (663, 22008), (665, 22011),

Gene: SchottB_44 Start: 40323, Stop: 41066, Start Num: 200
Candidate Starts for SchottB_44:
(Start: 200 @40323 has 54 MA's), (Start: 219 @40341 has 3 MA's), (Start: 256 @40386 has 1 MA's), (294, 40431), (339, 40506), (353, 40524), (375, 40566), (448, 40686), (450, 40698), (520, 40818), (540, 40854), (549, 40866), (567, 40893), (590, 40926), (607, 40959), (633, 40992), (655, 41019),

Gene: Schwartz33_31 Start: 22450, Stop: 23235, Start Num: 233
Candidate Starts for Schwartz33_31:
(170, 22369), (Start: 233 @22450 has 66 MA's), (288, 22537), (320, 22591), (390, 22720), (410, 22756), (414, 22765), (416, 22768), (421, 22780), (493, 22912), (521, 22969), (523, 22972), (618, 23137),

Gene: Scioto_47 Start: 40684, Stop: 41406, Start Num: 205
Candidate Starts for Scioto_47:
(88, 40468), (127, 40573), (Start: 205 @40684 has 17 MA's), (294, 40789), (300, 40798), (339, 40849), (353, 40867), (375, 40909), (420, 40975), (422, 40981), (425, 40987), (457, 41053), (518, 41152), (633, 41326), (647, 41347), (660, 41362),

Gene: Scuba_25 Start: 9756, Stop: 10550, Start Num: 178
Candidate Starts for Scuba_25:
(Start: 178 @9756 has 3 MA's), (Start: 286 @9885 has 1 MA's), (287, 9888), (316, 9945), (340, 9987), (403, 10101), (410, 10116), (419, 10134), (434, 10170), (474, 10239), (480, 10245), (512, 10323), (518, 10332), (555, 10386), (598, 10446),

Gene: Secretariat_28 Start: 21176, Stop: 21964, Start Num: 233
Candidate Starts for Secretariat_28:
(Start: 233 @21176 has 66 MA's), (288, 21263), (320, 21317), (376, 21419), (378, 21422), (398, 21461), (410, 21482), (414, 21491), (421, 21506), (493, 21638), (521, 21695), (523, 21698), (587, 21800), (618, 21863),

Gene: Sedona_45 Start: 40410, Stop: 41144, Start Num: 200
Candidate Starts for Sedona_45:
(Start: 189 @40404 has 22 MA's), (Start: 200 @40410 has 54 MA's), (Start: 219 @40428 has 3 MA's), (294, 40515), (311, 40542), (339, 40590), (353, 40608), (375, 40650), (424, 40728), (448, 40770), (540, 40938), (567, 40977), (633, 41076), (655, 41103), (676, 41136),

Gene: Sekhmet_25 Start: 21597, Stop: 22385, Start Num: 208
Candidate Starts for Sekhmet_25:
(Start: 198 @21585 has 35 MA's), (Start: 208 @21597 has 15 MA's), (Start: 219 @21609 has 3 MA's), (225, 21612), (Start: 256 @21651 has 1 MA's), (Start: 258 @21654 has 1 MA's), (294, 21702), (344, 21795), (373, 21840), (374, 21843), (375, 21846), (376, 21849), (411, 21906), (420, 21924), (427, 21939), (428, 21942), (470, 22020), (480, 22032), (493, 22059), (518, 22119), (540, 22155), (624, 22287), (639, 22305), (664, 22341), (684, 22377),

Gene: Sendy_45 Start: 36497, Stop: 37252, Start Num: 203
Candidate Starts for Sendy_45:
(Start: 173 @36461 has 2 MA's), (188, 36482), (Start: 203 @36497 has 34 MA's), (Start: 264 @36569 has 16 MA's), (294, 36605), (338, 36677), (395, 36758), (474, 36872), (480, 36878), (493, 36905),

(511, 36953), (578, 37055), (632, 37139), (681, 37211),

Gene: Sephiroth_116 Start: 65083, Stop: 65805, Start Num: 215
Candidate Starts for Sephiroth_116:
(Start: 215 @65083 has 4 MA's), (Start: 255 @65131 has 2 MA's), (276, 65158), (Start: 286 @65173 has 1 MA's), (374, 65305), (496, 65515), (556, 65617), (613, 65689), (685, 65788), (687, 65791),

Gene: ShaggyRogers_30 Start: 22096, Stop: 22884, Start Num: 233
Candidate Starts for ShaggyRogers_30:
(Start: 233 @22096 has 66 MA's), (Start: 263 @22141 has 12 MA's), (288, 22183), (313, 22222), (320, 22237), (421, 22426), (490, 22546), (521, 22615), (523, 22618), (570, 22693), (657, 22840),

Gene: SharkTale_45 Start: 37178, Stop: 37933, Start Num: 203
Candidate Starts for SharkTale_45:
(188, 37163), (Start: 203 @37178 has 34 MA's), (Start: 264 @37250 has 16 MA's), (293, 37283), (294, 37286), (311, 37313), (321, 37334), (338, 37358), (456, 37538), (474, 37553), (480, 37559), (493, 37586), (511, 37634), (578, 37736), (632, 37820), (681, 37892),

Gene: Shatter_42 Start: 35273, Stop: 35995, Start Num: 234
Candidate Starts for Shatter_42:
(40, 34883), (93, 35060), (146, 35168), (Start: 234 @35273 has 15 MA's), (337, 35435), (361, 35480), (393, 35543), (401, 35561), (420, 35588), (463, 35666), (465, 35669), (501, 35738), (515, 35768), (519, 35774), (649, 35963),

Gene: ShawBrad_28 Start: 21511, Stop: 22134, Start Num: 273
Candidate Starts for ShawBrad_28:
(64, 21136), (85, 21193), (96, 21238), (120, 21292), (121, 21295), (Start: 145 @21331 has 3 MA's), (162, 21376), (165, 21379), (Start: 273 @21511 has 30 MA's), (Start: 278 @21517 has 2 MA's), (293, 21547), (301, 21562), (380, 21703), (403, 21742), (434, 21814), (469, 21877), (497, 21922), (501, 21940), (512, 21961), (518, 21970), (627, 22102), (636, 22111), (644, 22123),

Gene: SheckWes_50 Start: 35167, Stop: 34364, Start Num: 159
Candidate Starts for SheckWes_50:
(118, 35227), (Start: 159 @35167 has 67 MA's), (Start: 217 @35089 has 6 MA's), (276, 35017), (312, 34960), (343, 34906), (366, 34867), (381, 34846), (476, 34702), (495, 34669), (552, 34564), (609, 34486), (658, 34417), (680, 34378), (687, 34369),

Gene: Shinji_44 Start: 35841, Stop: 36488, Start Num: 294
Candidate Starts for Shinji_44:
(188, 35718), (Start: 203 @35733 has 34 MA's), (245, 35778), (Start: 264 @35805 has 16 MA's), (294, 35841), (338, 35913), (395, 35994), (474, 36108), (480, 36114), (493, 36141), (511, 36189), (578, 36291), (632, 36375), (681, 36447),

Gene: Shivanishola_45 Start: 39080, Stop: 39814, Start Num: 200
Candidate Starts for Shivanishola_45:
(107, 38933), (Start: 159 @39023 has 67 MA's), (Start: 200 @39080 has 54 MA's), (Start: 219 @39098 has 3 MA's), (294, 39185), (311, 39212), (339, 39260), (353, 39278), (375, 39320), (424, 39398), (448, 39440), (464, 39473), (540, 39608), (567, 39647), (633, 39746), (655, 39773), (676, 39806),

Gene: Shlim410_25 Start: 21831, Stop: 22619, Start Num: 208
Candidate Starts for Shlim410_25:
(Start: 198 @21819 has 35 MA's), (Start: 208 @21831 has 15 MA's), (Start: 219 @21843 has 3 MA's), (225, 21846), (Start: 247 @21873 has 1 MA's), (Start: 256 @21885 has 1 MA's), (294, 21936), (344,

22029), (373, 22074), (374, 22077), (375, 22080), (411, 22140), (420, 22158), (425, 22170), (427, 22173), (428, 22176), (480, 22266), (518, 22353), (624, 22521), (639, 22539), (664, 22575), (678, 22599),

Gene: Sidious_26 Start: 22171, Stop: 22956, Start Num: 207
Candidate Starts for Sidious_26:
(Start: 207 @22171 has 7 MA's), (Start: 247 @22213 has 1 MA's), (Start: 256 @22225 has 1 MA's), (Start: 286 @22258 has 1 MA's), (294, 22276), (344, 22369), (375, 22420), (410, 22477), (411, 22480), (420, 22498), (425, 22510), (427, 22513), (428, 22516), (501, 22663), (518, 22693), (534, 22720), (561, 22756), (624, 22861), (637, 22876), (639, 22879), (664, 22912),

Gene: Sisko_42 Start: 36073, Stop: 36798, Start Num: 232
Candidate Starts for Sisko_42:
(105, 35875), (146, 35947), (Start: 232 @36073 has 67 MA's), (241, 36082), (333, 36232), (337, 36238), (348, 36262), (355, 36271), (361, 36283), (369, 36298), (388, 36340), (401, 36364), (421, 36394), (475, 36478), (501, 36541), (513, 36565), (515, 36571), (641, 36754), (647, 36763),

Gene: Sitar_45 Start: 40763, Stop: 41497, Start Num: 200
Candidate Starts for Sitar_45:
(Start: 159 @40706 has 67 MA's), (Start: 200 @40763 has 54 MA's), (Start: 219 @40781 has 3 MA's), (294, 40868), (311, 40895), (339, 40943), (353, 40961), (375, 41003), (424, 41081), (448, 41123), (464, 41156), (540, 41291), (567, 41330), (633, 41429), (655, 41456), (676, 41489),

Gene: Sixsevenium_47 Start: 36863, Stop: 37483, Start Num: 311
Candidate Starts for Sixsevenium_47:
(79, 36485), (132, 36617), (179, 36701), (188, 36713), (Start: 203 @36728 has 34 MA's), (Start: 221 @36746 has 1 MA's), (Start: 264 @36800 has 16 MA's), (293, 36833), (294, 36836), (311, 36863), (338, 36908), (474, 37103), (480, 37109), (511, 37184), (578, 37286), (632, 37370), (681, 37442), (688, 37454),

Gene: SketchMex_46 Start: 34069, Stop: 33221, Start Num: 159
Candidate Starts for SketchMex_46:
(118, 34129), (Start: 159 @34069 has 67 MA's), (Start: 233 @33973 has 66 MA's), (243, 33964), (312, 33874), (363, 33784), (391, 33733), (397, 33724), (409, 33700), (424, 33667), (448, 33634), (466, 33595), (610, 33367), (614, 33358), (668, 33283), (673, 33274),

Gene: Skysand_20 Start: 9079, Stop: 9852, Start Num: 189
Candidate Starts for Skysand_20:
(Start: 189 @9079 has 22 MA's), (Start: 286 @9187 has 1 MA's), (287, 9190), (316, 9241), (340, 9283), (403, 9397), (428, 9451), (497, 9583), (609, 9772), (644, 9826),

Gene: SmokingBunny_44 Start: 36282, Stop: 37037, Start Num: 203
Candidate Starts for SmokingBunny_44:
(Start: 173 @36246 has 2 MA's), (188, 36267), (Start: 203 @36282 has 34 MA's), (Start: 264 @36354 has 16 MA's), (294, 36390), (338, 36462), (395, 36543), (474, 36657), (480, 36663), (493, 36690), (511, 36738), (578, 36840), (632, 36924), (681, 36996),

Gene: Socotra_46 Start: 33906, Stop: 33067, Start Num: 159
Candidate Starts for Socotra_46:
(118, 33966), (Start: 159 @33906 has 67 MA's), (202, 33846), (Start: 229 @33816 has 14 MA's), (Start: 233 @33810 has 66 MA's), (301, 33729), (363, 33621), (378, 33588), (395, 33561), (540, 33297), (664, 33126), (668, 33117),

Gene: SoilAssassin_24 Start: 19791, Stop: 20498, Start Num: 232
Candidate Starts for SoilAssassin_24:
(134, 19647), (Start: 232 @19791 has 67 MA's), (279, 19848), (301, 19887), (333, 19947), (342, 19965), (343, 19968), (355, 19986), (374, 20022), (375, 20025), (393, 20058), (401, 20076), (420, 20103), (463, 20181), (501, 20250), (515, 20280), (519, 20286), (662, 20490),

Gene: Soilmate_27 Start: 21251, Stop: 22045, Start Num: 195
Candidate Starts for Soilmate_27:
(34, 20858), (62, 20987), (98, 21098), (109, 21125), (127, 21161), (Start: 195 @21251 has 10 MA's), (Start: 247 @21293 has 1 MA's), (Start: 256 @21305 has 1 MA's), (294, 21356), (344, 21449), (357, 21461), (374, 21497), (375, 21500), (407, 21548), (410, 21557), (411, 21560), (420, 21578), (425, 21590), (427, 21593), (428, 21596), (518, 21773), (532, 21794), (534, 21800), (561, 21836), (664, 21992), (678, 22016), (689, 22034),

Gene: Sombrero_50 Start: 46098, Stop: 45244, Start Num: 193
Candidate Starts for Sombrero_50:
(66, 46365), (75, 46341), (Start: 193 @46098 has 51 MA's), (220, 46074), (Start: 255 @46020 has 2 MA's), (301, 45945), (333, 45885), (342, 45867), (360, 45843), (367, 45828), (385, 45792), (389, 45786), (481, 45618), (499, 45567), (500, 45561), (509, 45543), (576, 45426), (614, 45351), (637, 45324), (643, 45315), (679, 45264),

Gene: Sopespian_44 Start: 33795, Stop: 32956, Start Num: 159
Candidate Starts for Sopespian_44:
(36, 34116), (41, 34092), (43, 34089), (65, 34002), (81, 33957), (118, 33855), (Start: 159 @33795 has 67 MA's), (202, 33735), (Start: 229 @33705 has 14 MA's), (Start: 233 @33699 has 66 MA's), (301, 33618), (363, 33510), (378, 33477), (395, 33450), (540, 33186), (664, 33015), (668, 33006),

Gene: Sour_47 Start: 39940, Stop: 40659, Start Num: 232
Candidate Starts for Sour_47:
(146, 39817), (Start: 232 @39940 has 67 MA's), (243, 39949), (287, 40009), (333, 40096), (337, 40102), (348, 40126), (361, 40147), (373, 40171), (375, 40177), (388, 40204), (393, 40210), (401, 40228), (420, 40255), (421, 40258), (501, 40402), (515, 40432), (628, 40600), (658, 40639),

Gene: SpeedDemon_1340 Start: 81228, Stop: 81950, Start Num: 209
Candidate Starts for SpeedDemon_1340:
(102, 81057), (163, 81177), (180, 81201), (Start: 209 @81228 has 10 MA's), (Start: 257 @81285 has 7 MA's), (320, 81381),

Gene: Spooky_28 Start: 21590, Stop: 22213, Start Num: 273
Candidate Starts for Spooky_28:
(64, 21218), (85, 21275), (96, 21320), (120, 21374), (121, 21377), (Start: 145 @21413 has 3 MA's), (162, 21458), (165, 21461), (Start: 273 @21590 has 30 MA's), (279, 21599), (293, 21626), (301, 21641), (338, 21701), (388, 21794), (403, 21821), (434, 21893), (469, 21956), (497, 22001), (501, 22019), (512, 22040), (518, 22049), (627, 22181), (636, 22190),

Gene: Sprinklemunch_29 Start: 26070, Stop: 26876, Start Num: 201
Candidate Starts for Sprinklemunch_29:
(Start: 201 @26070 has 9 MA's), (Start: 208 @26079 has 15 MA's), (Start: 219 @26091 has 3 MA's), (225, 26094), (Start: 247 @26121 has 1 MA's), (Start: 256 @26133 has 1 MA's), (294, 26184), (328, 26250), (374, 26325), (375, 26328), (376, 26331), (406, 26373), (407, 26376), (410, 26385), (411, 26388), (420, 26406), (425, 26418), (427, 26421), (480, 26514), (501, 26571), (518, 26601), (561, 26664), (624, 26769), (664, 26823), (678, 26847),

Gene: Sproutie_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Sproutie_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Squibbles_49 Start: 46510, Stop: 45731, Start Num: 255
Candidate Starts for Squibbles_49:
(Start: 193 @46588 has 51 MA's), (220, 46564), (246, 46525), (Start: 255 @46510 has 2 MA's), (279, 46474), (301, 46435), (333, 46375), (342, 46357), (367, 46318), (385, 46282), (389, 46276), (481, 46105), (509, 46030), (520, 46000), (576, 45913), (614, 45838), (637, 45811), (679, 45751),

Gene: Squiddly_30 Start: 23002, Stop: 23625, Start Num: 273
Candidate Starts for Squiddly_30:
(64, 22630), (85, 22687), (96, 22732), (120, 22786), (121, 22789), (Start: 145 @22825 has 3 MA's), (162, 22870), (165, 22873), (Start: 273 @23002 has 30 MA's), (279, 23011), (293, 23038), (301, 23053), (338, 23113), (388, 23206), (403, 23233), (434, 23305), (469, 23368), (497, 23413), (501, 23431), (512, 23452), (518, 23461), (627, 23593), (636, 23602),

Gene: Srilaccoli3_59 Start: 53248, Stop: 52379, Start Num: 173
Candidate Starts for Srilaccoli3_59:
(15, 54031), (16, 54016), (24, 53749), (53, 53539), (78, 53455), (114, 53353), (155, 53290), (Start: 173 @53248 has 2 MA's), (237, 53164), (294, 53086), (313, 53056), (321, 53038), (410, 52888), (422, 52861), (428, 52849), (480, 52759), (518, 52672), (568, 52594), (586, 52561), (632, 52480), (659, 52441), (665, 52432), (691, 52384),

Gene: StarStruck_19 Start: 8535, Stop: 9323, Start Num: 191
Candidate Starts for StarStruck_19:
(Start: 191 @8535 has 9 MA's), (204, 8544), (271, 8634), (Start: 286 @8658 has 1 MA's), (293, 8673), (314, 8706), (340, 8754), (428, 8922), (436, 8943), (609, 9249), (612, 9258), (617, 9264), (621, 9273), (640, 9297),

Gene: Starburst_45 Start: 33788, Stop: 32949, Start Num: 159
Candidate Starts for Starburst_45:
(36, 34109), (41, 34085), (43, 34082), (65, 33995), (81, 33950), (118, 33848), (Start: 159 @33788 has 67 MA's), (202, 33728), (Start: 229 @33698 has 14 MA's), (Start: 233 @33692 has 66 MA's), (301, 33611), (363, 33503), (378, 33470), (395, 33443), (540, 33179), (664, 33008), (668, 32999),

Gene: SteamedHams_45 Start: 33292, Stop: 32453, Start Num: 159
Candidate Starts for SteamedHams_45:
(Start: 159 @33292 has 67 MA's), (202, 33232), (Start: 233 @33196 has 66 MA's), (243, 33187), (301, 33115), (363, 33007), (391, 32953), (410, 32917), (424, 32887), (453, 32836), (466, 32815), (600, 32611), (609, 32590), (668, 32503), (679, 32485),

Gene: SteveFrench_49 Start: 46797, Stop: 45943, Start Num: 193
Candidate Starts for SteveFrench_49:
(Start: 193 @46797 has 51 MA's), (220, 46773), (Start: 255 @46719 has 2 MA's), (301, 46641), (342, 46563), (348, 46551), (385, 46488), (389, 46482), (408, 46458), (410, 46452), (481, 46317), (509, 46242), (533, 46188),

Gene: Stichling_43 Start: 38843, Stop: 39586, Start Num: 200
Candidate Starts for Stichling_43:

(Start: 200 @38843 has 54 MA's), (Start: 219 @38861 has 3 MA's), (Start: 256 @38906 has 1 MA's), (294, 38951), (339, 39026), (353, 39044), (375, 39086), (394, 39113), (448, 39206), (450, 39218), (540, 39374), (549, 39386), (567, 39413), (590, 39446), (633, 39512), (655, 39539),

Gene: Stormer_85 Start: 56616, Stop: 57467, Start Num: 223
Candidate Starts for Stormer_85:
(124, 56466), (129, 56475), (139, 56490), (147, 56499), (Start: 201 @56592 has 9 MA's), (204, 56595), (Start: 223 @56616 has 36 MA's), (Start: 227 @56625 has 1 MA's), (Start: 235 @56637 has 4 MA's), (242, 56646), (Start: 270 @56688 has 1 MA's), (Start: 273 @56694 has 30 MA's), (299, 56739), (353, 56841), (355, 56844), (373, 56880), (378, 56892), (398, 56931), (412, 56961), (414, 56964), (420, 56976), (421, 56979), (493, 57111), (517, 57177), (521, 57186), (537, 57216), (557, 57243), (570, 57264), (603, 57321), (620, 57366), (670, 57444),

Gene: StorminNorm_45 Start: 39414, Stop: 40157, Start Num: 200
Candidate Starts for StorminNorm_45:
(Start: 200 @39414 has 54 MA's), (Start: 219 @39432 has 3 MA's), (Start: 256 @39477 has 1 MA's), (294, 39522), (339, 39597), (353, 39615), (361, 39627), (375, 39657), (394, 39684), (448, 39777), (450, 39789), (540, 39945), (549, 39957), (567, 39984), (590, 40017), (633, 40083), (655, 40110),

Gene: Stultus_44 Start: 39716, Stop: 40450, Start Num: 200
Candidate Starts for Stultus_44:
(Start: 159 @39659 has 67 MA's), (Start: 200 @39716 has 54 MA's), (Start: 219 @39734 has 3 MA's), (294, 39821), (311, 39848), (339, 39896), (353, 39914), (375, 39956), (424, 40034), (448, 40076), (464, 40109), (540, 40244), (567, 40283), (633, 40382), (655, 40409), (676, 40442),

Gene: Suerte_23 Start: 20721, Stop: 21509, Start Num: 208
Candidate Starts for Suerte_23:
(Start: 198 @20709 has 35 MA's), (Start: 208 @20721 has 15 MA's), (Start: 219 @20733 has 3 MA's), (225, 20736), (Start: 247 @20763 has 1 MA's), (Start: 256 @20775 has 1 MA's), (294, 20826), (344, 20919), (373, 20964), (375, 20970), (411, 21030), (420, 21048), (425, 21060), (427, 21063), (428, 21066), (480, 21156), (493, 21183), (518, 21243), (540, 21279), (624, 21411), (639, 21429), (664, 21465),

Gene: Sukkupi_19 Start: 7686, Stop: 8480, Start Num: 145
Candidate Starts for Sukkupi_19:
(Start: 145 @7686 has 3 MA's), (Start: 286 @7800 has 1 MA's), (287, 7803), (293, 7815), (340, 7896), (419, 8046), (429, 8070), (445, 8103), (511, 8235), (588, 8361), (609, 8397), (644, 8451),

Gene: SummitAcademy_46 Start: 35232, Stop: 34429, Start Num: 159
Candidate Starts for SummitAcademy_46:
(118, 35292), (Start: 159 @35232 has 67 MA's), (312, 35025), (343, 34971), (357, 34950), (366, 34932), (370, 34923), (381, 34911), (391, 34896), (459, 34785), (476, 34767), (495, 34734), (549, 34632), (600, 34572), (609, 34551), (658, 34482), (680, 34443), (687, 34434),

Gene: SuperSulley_20 Start: 8964, Stop: 9755, Start Num: 191
Candidate Starts for SuperSulley_20:
(Start: 191 @8964 has 9 MA's), (204, 8973), (230, 9009), (275, 9072), (Start: 286 @9090 has 1 MA's), (293, 9105), (309, 9129), (314, 9138), (340, 9186), (362, 9222), (419, 9333), (436, 9375), (598, 9660), (609, 9681), (612, 9690), (617, 9696), (640, 9729),

Gene: Survivors_42 Start: 33111, Stop: 32353, Start Num: 159
Candidate Starts for Survivors_42:

(Start: 159 @33111 has 67 MA's), (180, 33072), (202, 33054), (Start: 233 @33018 has 66 MA's), (Start: 255 @33003 has 2 MA's), (Start: 273 @32979 has 30 MA's), (298, 32943), (312, 32919), (342, 32865), (407, 32760), (418, 32739), (476, 32679), (512, 32601), (518, 32592), (540, 32556), (586, 32511), (664, 32397), (671, 32382),

Gene: Suscepit_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Suscepit_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: SushiChef_27 Start: 22481, Stop: 23125, Start Num: 239
Candidate Starts for SushiChef_27:
(177, 22409), (Start: 215 @22448 has 4 MA's), (239, 22481), (Start: 263 @22508 has 12 MA's), (Start: 278 @22517 has 2 MA's), (301, 22559), (309, 22571), (338, 22619), (347, 22640), (362, 22661), (377, 22694), (403, 22739), (420, 22775), (421, 22778), (445, 22826), (501, 22937), (518, 22967), (560, 23018), (627, 23096),

Gene: SweatNTears_46 Start: 33738, Stop: 32899, Start Num: 159
Candidate Starts for SweatNTears_46:
(123, 33786), (142, 33756), (Start: 159 @33738 has 67 MA's), (202, 33678), (Start: 229 @33648 has 14 MA's), (Start: 233 @33642 has 66 MA's), (301, 33561), (363, 33453), (378, 33420), (395, 33393), (540, 33129), (668, 32949),

Gene: SweetCrkHerbs_29 Start: 19513, Stop: 20298, Start Num: 233
Candidate Starts for SweetCrkHerbs_29:
(Start: 233 @19513 has 66 MA's), (244, 19528), (292, 19606), (320, 19654), (322, 19660), (398, 19798), (421, 19843), (521, 20032), (523, 20035), (570, 20110), (587, 20137),

Gene: Syleon_121 Start: 65865, Stop: 66587, Start Num: 215
Candidate Starts for Syleon_121:
(Start: 215 @65865 has 4 MA's), (Start: 255 @65913 has 2 MA's), (276, 65940), (Start: 286 @65955 has 1 MA's), (374, 66087), (496, 66297), (540, 66384), (556, 66399), (613, 66471), (626, 66486), (685, 66570), (687, 66573),

Gene: TPA2_54 Start: 40199, Stop: 41080, Start Num: 154
Candidate Starts for TPA2_54:
(128, 40160), (154, 40199), (Start: 193 @40265 has 51 MA's), (Start: 233 @40310 has 66 MA's), (241, 40316), (Start: 255 @40325 has 2 MA's), (Start: 273 @40349 has 30 MA's), (346, 40463), (391, 40541), (424, 40610), (452, 40676), (468, 40700), (493, 40733), (494, 40736), (513, 40787), (534, 40820), (543, 40832), (573, 40874), (576, 40880), (614, 40949), (643, 40985), (664, 41012),

Gene: TPA4_30 Start: 27688, Stop: 28482, Start Num: 201
Candidate Starts for TPA4_30:
(96, 27505), (Start: 201 @27688 has 9 MA's), (Start: 264 @27760 has 16 MA's), (306, 27820), (322, 27856), (339, 27880), (497, 28165), (518, 28213), (581, 28309), (609, 28354),

Gene: Tairn4Wing_29 Start: 19346, Stop: 20131, Start Num: 233
Candidate Starts for Tairn4Wing_29:
(Start: 233 @19346 has 66 MA's), (Start: 263 @19391 has 12 MA's), (320, 19487), (322, 19493), (398, 19631), (416, 19664), (421, 19676), (521, 19865), (523, 19868), (570, 19943), (657, 20090),

Gene: Talon44_28 Start: 19513, Stop: 20298, Start Num: 233

Candidate Starts for Talon44_28:
(Start: 233 @19513 has 66 MA's), (244, 19528), (292, 19606), (320, 19654), (322, 19660), (398, 19798), (421, 19843), (521, 20032), (523, 20035), (570, 20110), (587, 20137),

Gene: Tangent_46 Start: 39790, Stop: 40524, Start Num: 200
Candidate Starts for Tangent_46:
(107, 39643), (Start: 159 @39733 has 67 MA's), (Start: 200 @39790 has 54 MA's), (Start: 219 @39808 has 3 MA's), (294, 39895), (311, 39922), (339, 39970), (353, 39988), (375, 40030), (424, 40108), (448, 40150), (464, 40183), (540, 40318), (567, 40357), (633, 40456), (655, 40483), (676, 40516),

Gene: Tangerine_45 Start: 39195, Stop: 39938, Start Num: 200
Candidate Starts for Tangerine_45:
(Start: 200 @39195 has 54 MA's), (Start: 219 @39213 has 3 MA's), (Start: 256 @39258 has 1 MA's), (294, 39303), (339, 39378), (353, 39396), (375, 39438), (394, 39465), (448, 39558), (450, 39570), (540, 39726), (549, 39738), (567, 39765), (590, 39798), (607, 39831), (633, 39864), (655, 39891),

Gene: Tanis_27 Start: 19278, Stop: 20063, Start Num: 233
Candidate Starts for Tanis_27:
(Start: 233 @19278 has 66 MA's), (244, 19293), (276, 19341), (293, 19374), (320, 19419), (322, 19425), (398, 19563), (416, 19596), (421, 19608), (521, 19797), (523, 19800), (570, 19875), (587, 19902), (657, 20022),

Gene: Tardus_47 Start: 40038, Stop: 40760, Start Num: 205
Candidate Starts for Tardus_47:
(88, 39822), (110, 39891), (127, 39927), (Start: 205 @40038 has 17 MA's), (294, 40143), (300, 40152), (339, 40203), (353, 40221), (375, 40263), (425, 40341), (518, 40506), (540, 40542), (561, 40569), (633, 40680), (660, 40716),

Gene: Tarnish_47 Start: 35692, Stop: 34889, Start Num: 159
Candidate Starts for Tarnish_47:
(118, 35752), (Start: 159 @35692 has 67 MA's), (312, 35485), (343, 35431), (348, 35422), (357, 35410), (370, 35383), (381, 35371), (391, 35356), (459, 35245), (476, 35227), (495, 35194), (549, 35092), (552, 35089), (600, 35032), (609, 35011), (658, 34942), (680, 34903), (687, 34894),

Gene: TaronosaurasRx_26 Start: 21786, Stop: 22499, Start Num: 232
Candidate Starts for TaronosaurasRx_26:
(183, 21729), (Start: 191 @21738 has 9 MA's), (Start: 232 @21786 has 67 MA's), (287, 21852), (301, 21879), (309, 21894), (333, 21939), (361, 21990), (375, 22017), (386, 22041), (424, 22104), (428, 22113), (481, 22188), (511, 22263), (515, 22275), (519, 22281), (592, 22383),

Gene: Tarzan_50 Start: 32536, Stop: 33387, Start Num: 168
Candidate Starts for Tarzan_50:
(149, 32500), (153, 32506), (Start: 168 @32536 has 7 MA's), (303, 32719), (422, 32917), (434, 32950), (474, 33025), (486, 33040), (518, 33118), (583, 33229), (586, 33232), (591, 33238), (609, 33274), (623, 33301), (676, 33376),

Gene: Tayonia_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Tayonia_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Teatealatte_45 Start: 46644, Stop: 45817, Start Num: 193

Candidate Starts for Teatealatte_45:
(Start: 193 @46644 has 51 MA's), (220, 46617), (Start: 263 @46551 has 12 MA's), (321, 46458), (439, 46245), (501, 46116), (528, 46059), (604, 45936), (614, 45912), (622, 45897), (648, 45867),

Gene: Teech_45 Start: 46445, Stop: 45618, Start Num: 193
Candidate Starts for Teech_45:
(Start: 193 @46445 has 51 MA's), (220, 46418), (Start: 263 @46352 has 12 MA's), (321, 46259), (439, 46046), (501, 45917), (528, 45860), (604, 45737), (622, 45698), (645, 45674), (648, 45668),

Gene: TenaciousP_31 Start: 23744, Stop: 24532, Start Num: 233
Candidate Starts for TenaciousP_31:
(Start: 233 @23744 has 66 MA's), (Start: 263 @23789 has 12 MA's), (282, 23819), (288, 23831), (320, 23885), (400, 24032), (421, 24074), (460, 24158), (521, 24263), (523, 24266), (570, 24341), (657, 24488),

Gene: Thales_26 Start: 21024, Stop: 21719, Start Num: 229
Candidate Starts for Thales_26:
(Start: 229 @21024 has 14 MA's), (285, 21084), (312, 21129), (347, 21192), (362, 21213), (377, 21246), (397, 21279), (445, 21378), (463, 21414), (480, 21438), (486, 21447), (501, 21495), (507, 21507), (512, 21516), (538, 21558), (598, 21609), (652, 21696),

Gene: ThankyouJordi_24 Start: 22284, Stop: 22901, Start Num: 263
Candidate Starts for ThankyouJordi_24:
(177, 22185), (Start: 215 @22224 has 4 MA's), (239, 22257), (Start: 263 @22284 has 12 MA's), (276, 22290), (Start: 278 @22293 has 2 MA's), (301, 22335), (338, 22395), (377, 22470), (388, 22488), (403, 22515), (420, 22551), (445, 22602), (451, 22623), (501, 22713), (560, 22794), (627, 22872),

Gene: Thimann_25 Start: 21189, Stop: 21977, Start Num: 208
Candidate Starts for Thimann_25:
(Start: 198 @21177 has 35 MA's), (Start: 208 @21189 has 15 MA's), (Start: 219 @21201 has 3 MA's), (225, 21204), (Start: 247 @21231 has 1 MA's), (Start: 256 @21243 has 1 MA's), (294, 21294), (344, 21387), (373, 21432), (375, 21438), (411, 21498), (420, 21516), (425, 21528), (427, 21531), (428, 21534), (480, 21624), (493, 21651), (518, 21711), (540, 21747), (624, 21879), (639, 21897), (664, 21933),

Gene: Thing3_43 Start: 39019, Stop: 39753, Start Num: 200
Candidate Starts for Thing3_43:
(Start: 159 @38962 has 67 MA's), (Start: 200 @39019 has 54 MA's), (Start: 219 @39037 has 3 MA's), (294, 39124), (311, 39151), (339, 39199), (353, 39217), (375, 39259), (424, 39337), (448, 39379), (464, 39412), (540, 39547), (567, 39586), (633, 39685), (655, 39712), (676, 39745),

Gene: Tiamoceli_57 Start: 44584, Stop: 45363, Start Num: 159
Candidate Starts for Tiamoceli_57:
(107, 44488), (113, 44503), (Start: 159 @44584 has 67 MA's), (167, 44605), (Start: 235 @44683 has 4 MA's), (Start: 255 @44698 has 2 MA's), (290, 44743), (345, 44833), (365, 44866), (419, 44959), (476, 45025), (507, 45094), (540, 45148), (668, 45319), (685, 45349),

Gene: Tillicus_80 Start: 58169, Stop: 59020, Start Num: 223
Candidate Starts for Tillicus_80:
(204, 58148), (Start: 223 @58169 has 36 MA's), (Start: 227 @58178 has 1 MA's), (Start: 235 @58190 has 4 MA's), (242, 58199), (Start: 257 @58223 has 7 MA's), (Start: 270 @58241 has 1 MA's), (302, 58298), (373, 58433), (392, 58472), (398, 58484), (414, 58517), (420, 58529), (429, 58550), (478, 58637), (493, 58664), (504, 58700), (517, 58730), (523, 58742), (537, 58769), (570, 58817), (572,

58820), (603, 58874), (672, 59000),

Gene: TillyBobJoe_44 Start: 36086, Stop: 36841, Start Num: 203
Candidate Starts for TillyBobJoe_44:
(Start: 173 @36050 has 2 MA's), (188, 36071), (Start: 203 @36086 has 34 MA's), (Start: 264 @36158 has 16 MA's), (294, 36194), (338, 36266), (395, 36347), (474, 36461), (480, 36467), (493, 36494), (511, 36542), (578, 36644), (632, 36728), (681, 36800), (685, 36806),

Gene: TimTam_25 Start: 22309, Stop: 22926, Start Num: 263
Candidate Starts for TimTam_25:
(177, 22210), (Start: 215 @22249 has 4 MA's), (239, 22282), (Start: 263 @22309 has 12 MA's), (Start: 278 @22318 has 2 MA's), (301, 22360), (309, 22372), (338, 22420), (347, 22441), (362, 22462), (377, 22495), (379, 22498), (403, 22540), (420, 22576), (445, 22627), (469, 22675), (501, 22738), (518, 22768), (560, 22819), (627, 22897),

Gene: TinyDot_25 Start: 19158, Stop: 19859, Start Num: 232
Candidate Starts for TinyDot_25:
(29, 18633), (45, 18750), (50, 18777), (51, 18780), (61, 18819), (80, 18876), (82, 18879), (94, 18924), (154, 19041), (Start: 205 @19122 has 17 MA's), (Start: 223 @19143 has 36 MA's), (Start: 232 @19158 has 67 MA's), (243, 19167), (301, 19251), (309, 19266), (324, 19302), (373, 19383), (388, 19416), (393, 19422), (420, 19467), (439, 19506), (515, 19644), (519, 19650), (556, 19707), (662, 19851),

Gene: Toast_26 Start: 21477, Stop: 22187, Start Num: 232
Candidate Starts for Toast_26:
(Start: 232 @21477 has 67 MA's), (243, 21489), (Start: 247 @21495 has 1 MA's), (333, 21633), (348, 21663), (374, 21708), (386, 21735), (401, 21762), (428, 21813), (472, 21882), (486, 21897), (490, 21903), (498, 21933), (515, 21975), (519, 21981), (549, 22032), (609, 22104), (653, 22167),

Gene: Togo_43 Start: 36282, Stop: 37037, Start Num: 203
Candidate Starts for Togo_43:
(Start: 173 @36246 has 2 MA's), (188, 36267), (Start: 203 @36282 has 34 MA's), (Start: 264 @36354 has 16 MA's), (294, 36390), (338, 36462), (395, 36543), (474, 36657), (480, 36663), (493, 36690), (511, 36738), (578, 36840), (632, 36924), (681, 36996),

Gene: Tolls_46 Start: 33685, Stop: 32846, Start Num: 159
Candidate Starts for Tolls_46:
(Start: 159 @33685 has 67 MA's), (202, 33625), (Start: 233 @33589 has 66 MA's), (243, 33580), (301, 33508), (363, 33400), (391, 33346), (410, 33310), (424, 33280), (453, 33229), (466, 33208), (600, 33004), (609, 32983), (668, 32896), (679, 32878),

Gene: Tonaltzin_30 Start: 22314, Stop: 23102, Start Num: 233
Candidate Starts for Tonaltzin_30:
(Start: 233 @22314 has 66 MA's), (Start: 263 @22359 has 12 MA's), (282, 22389), (288, 22401), (320, 22455), (400, 22602), (414, 22629), (421, 22644), (460, 22728), (521, 22833), (523, 22836), (570, 22911), (657, 23058),

Gene: Toneprano_30 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Toneprano_30:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: Towmatter_121 Start: 74465, Stop: 75190, Start Num: 203
Candidate Starts for Towmatter_121:
(Start: 203 @74465 has 34 MA's), (401, 74744), (433, 74801), (520, 74966), (556, 75017), (565, 75029), (595, 75065), (646, 75128),

Gene: Tracker_19 Start: 9229, Stop: 9954, Start Num: 189
Candidate Starts for Tracker_19:
(Start: 189 @9229 has 22 MA's), (216, 9253), (Start: 286 @9286 has 1 MA's), (287, 9289), (309, 9325), (316, 9340), (340, 9382), (364, 9421), (419, 9529), (480, 9646), (511, 9721), (547, 9778), (574, 9820), (598, 9853), (609, 9874), (617, 9889), (659, 9949),

Gene: TraderJ_45 Start: 37582, Stop: 38304, Start Num: 234
Candidate Starts for TraderJ_45:
(111, 37396), (Start: 234 @37582 has 15 MA's), (337, 37744), (351, 37771), (355, 37777), (420, 37891), (467, 37975), (515, 38068), (532, 38098),

Gene: Trax_117 Start: 66615, Stop: 67343, Start Num: 209
Candidate Starts for Trax_117:
(Start: 209 @66615 has 10 MA's), (225, 66630), (260, 66675), (266, 66684), (290, 66723), (311, 66759), (355, 66813), (397, 66879), (433, 66945), (446, 66966), (480, 67023), (540, 67143), (595, 67203), (692, 67335),

Gene: Tredge_45 Start: 46644, Stop: 45817, Start Num: 193
Candidate Starts for Tredge_45:
(Start: 193 @46644 has 51 MA's), (220, 46617), (Start: 263 @46551 has 12 MA's), (321, 46458), (439, 46245), (501, 46116), (528, 46059), (604, 45936), (614, 45912), (622, 45897), (648, 45867),

Gene: Troje_48 Start: 34407, Stop: 33559, Start Num: 159
Candidate Starts for Troje_48:
(118, 34467), (Start: 159 @34407 has 67 MA's), (Start: 233 @34311 has 66 MA's), (243, 34302), (312, 34212), (363, 34122), (365, 34119), (391, 34071), (397, 34062), (409, 34038), (424, 34005), (448, 33972), (466, 33933), (610, 33705), (614, 33696), (668, 33621), (673, 33612),

Gene: Trufflozitus_27 Start: 19347, Stop: 20132, Start Num: 233
Candidate Starts for Trufflozitus_27:
(Start: 233 @19347 has 66 MA's), (Start: 263 @19392 has 12 MA's), (320, 19488), (322, 19494), (398, 19632), (416, 19665), (421, 19677), (521, 19866), (523, 19869), (570, 19944), (657, 20091),

Gene: Trumpet_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Trumpet_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: TuertoX_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for TuertoX_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Turuncu_22 Start: 8752, Stop: 9522, Start Num: 189
Candidate Starts for Turuncu_22:

(Start: 189 @8752 has 22 MA's), (Start: 207 @8770 has 7 MA's), (Start: 286 @8860 has 1 MA's), (316, 8914), (340, 8956), (454, 9184), (480, 9217), (482, 9220), (609, 9439), (640, 9487), (644, 9493),

Gene: Tuti_25 Start: 21572, Stop: 22360, Start Num: 207
Candidate Starts for Tuti_25:
(106, 21413), (Start: 198 @21563 has 35 MA's), (Start: 207 @21572 has 7 MA's), (Start: 219 @21584 has 3 MA's), (225, 21587), (Start: 247 @21614 has 1 MA's), (Start: 256 @21626 has 1 MA's), (294, 21677), (344, 21770), (373, 21815), (374, 21818), (375, 21821), (376, 21824), (411, 21881), (420, 21899), (425, 21911), (427, 21914), (428, 21917), (470, 21995), (480, 22007), (493, 22034), (518, 22094), (624, 22262), (639, 22280), (664, 22316), (678, 22340), (684, 22352),

Gene: Twin_30 Start: 21568, Stop: 22266, Start Num: 229
Candidate Starts for Twin_30:
(Start: 217 @21550 has 6 MA's), (Start: 229 @21568 has 14 MA's), (285, 21631), (305, 21667), (341, 21727), (347, 21739), (362, 21760), (377, 21793), (395, 21823), (397, 21826), (408, 21847), (410, 21853), (412, 21859), (422, 21880), (480, 21985), (486, 21994), (512, 22063), (514, 22069), (538, 22105), (550, 22117), (598, 22156), (609, 22177), (654, 22246), (663, 22258), (665, 22261),

Gene: Twinkle_25 Start: 22890, Stop: 23678, Start Num: 208
Candidate Starts for Twinkle_25:
(Start: 198 @22878 has 35 MA's), (Start: 208 @22890 has 15 MA's), (Start: 219 @22902 has 3 MA's), (225, 22905), (Start: 247 @22932 has 1 MA's), (Start: 256 @22944 has 1 MA's), (294, 22995), (344, 23088), (373, 23133), (374, 23136), (375, 23139), (411, 23199), (420, 23217), (425, 23229), (427, 23232), (428, 23235), (480, 23325), (518, 23412), (624, 23580), (639, 23598), (664, 23634), (678, 23658),

Gene: Twister6_46 Start: 36083, Stop: 36838, Start Num: 203
Candidate Starts for Twister6_46:
(140, 35987), (Start: 203 @36083 has 34 MA's), (Start: 264 @36155 has 16 MA's), (294, 36191), (338, 36263), (352, 36278), (474, 36458), (480, 36464), (493, 36491), (578, 36641), (632, 36725), (681, 36797),

Gene: Twonlo_54 Start: 43079, Stop: 43858, Start Num: 159
Candidate Starts for Twonlo_54:
(87, 42917), (107, 42983), (113, 42998), (Start: 159 @43079 has 67 MA's), (167, 43100), (Start: 235 @43178 has 4 MA's), (Start: 255 @43193 has 2 MA's), (290, 43238), (345, 43328), (365, 43361), (419, 43454), (476, 43520), (507, 43589), (540, 43643), (668, 43814), (685, 43844),

Gene: Tycho_45 Start: 39282, Stop: 40025, Start Num: 200
Candidate Starts for Tycho_45:
(Start: 200 @39282 has 54 MA's), (Start: 219 @39300 has 3 MA's), (Start: 256 @39345 has 1 MA's), (294, 39390), (339, 39465), (353, 39483), (361, 39495), (375, 39525), (394, 39552), (448, 39645), (450, 39657), (540, 39813), (549, 39825), (567, 39852), (590, 39885), (633, 39951), (655, 39978),

Gene: Typhonomachy_44 Start: 33617, Stop: 32778, Start Num: 159
Candidate Starts for Typhonomachy_44:
(36, 33938), (41, 33914), (65, 33824), (81, 33779), (118, 33677), (Start: 159 @33617 has 67 MA's), (202, 33557), (Start: 233 @33521 has 66 MA's), (301, 33440), (363, 33332), (378, 33299), (395, 33272), (540, 33008), (668, 32828),

Gene: UBSmoodge_32 Start: 23407, Stop: 24087, Start Num: 229
Candidate Starts for UBSmoodge_32:

(Start: 214 @23386 has 1 MA's), (Start: 229 @23407 has 14 MA's), (285, 23464), (295, 23485), (362, 23581), (377, 23614), (395, 23644), (397, 23647), (408, 23668), (410, 23674), (419, 23692), (428, 23713), (463, 23782), (480, 23806), (491, 23824), (497, 23845), (550, 23938), (560, 23947), (564, 23953), (609, 23998), (654, 24067), (665, 24082),

Gene: UmaThurman_25 Start: 21277, Stop: 22080, Start Num: 198
Candidate Starts for UmaThurman_25:
(Start: 198 @21277 has 35 MA's), (Start: 247 @21325 has 1 MA's), (Start: 256 @21337 has 1 MA's), (344, 21481), (357, 21493), (375, 21532), (411, 21592), (420, 21610), (425, 21622), (427, 21625), (428, 21628), (518, 21805), (532, 21826), (534, 21832), (540, 21841), (637, 21988), (664, 22024), (678, 22048), (689, 22069),

Gene: Untouchable_30 Start: 22449, Stop: 23237, Start Num: 233
Candidate Starts for Untouchable_30:
(Start: 233 @22449 has 66 MA's), (Start: 263 @22494 has 12 MA's), (282, 22524), (288, 22536), (320, 22590), (322, 22596), (348, 22641), (400, 22737), (410, 22755), (414, 22764), (421, 22779), (521, 22968), (523, 22971), (530, 22986), (570, 23046), (587, 23073), (657, 23193),

Gene: Utz_25 Start: 21147, Stop: 21947, Start Num: 198
Candidate Starts for Utz_25:
(Start: 198 @21147 has 35 MA's), (Start: 247 @21195 has 1 MA's), (Start: 256 @21207 has 1 MA's), (294, 21258), (344, 21351), (375, 21402), (410, 21459), (411, 21462), (420, 21480), (425, 21492), (427, 21495), (428, 21498), (504, 21651), (518, 21675), (532, 21696), (664, 21894), (678, 21918), (689, 21936),

Gene: Valary_46 Start: 37125, Stop: 37880, Start Num: 203
Candidate Starts for Valary_46:
(152, 37047), (Start: 203 @37125 has 34 MA's), (Start: 264 @37197 has 16 MA's), (338, 37305), (372, 37350), (474, 37500), (480, 37506), (493, 37533), (511, 37581), (578, 37683), (632, 37767), (681, 37839),

Gene: VanDeWege_47 Start: 36417, Stop: 37172, Start Num: 203
Candidate Starts for VanDeWege_47:
(152, 36339), (Start: 203 @36417 has 34 MA's), (Start: 264 @36489 has 16 MA's), (338, 36597), (372, 36642), (474, 36792), (480, 36798), (493, 36825), (511, 36873), (578, 36975), (632, 37059), (681, 37131),

Gene: VanLee_104 Start: 55246, Stop: 55980, Start Num: 209
Candidate Starts for VanLee_104:
(170, 55198), (Start: 209 @55246 has 10 MA's), (Start: 229 @55264 has 14 MA's), (Start: 263 @55309 has 12 MA's), (Start: 273 @55321 has 30 MA's), (311, 55372), (330, 55399), (355, 55426), (375, 55462), (401, 55501), (425, 55537), (432, 55555), (446, 55579), (480, 55618), (493, 55645), (569, 55783), (620, 55864), (693, 55969),

Gene: Vardy_30 Start: 22058, Stop: 22846, Start Num: 233
Candidate Starts for Vardy_30:
(Start: 233 @22058 has 66 MA's), (282, 22133), (288, 22145), (320, 22199), (322, 22205), (348, 22250), (365, 22280), (400, 22346), (410, 22364), (416, 22376), (419, 22382), (421, 22388), (521, 22577), (523, 22580), (530, 22595), (570, 22655), (657, 22802),

Gene: Vasanti_23 Start: 19352, Stop: 20059, Start Num: 232
Candidate Starts for Vasanti_23:

(134, 19208), (Start: 232 @19352 has 67 MA's), (279, 19409), (301, 19448), (333, 19508), (343, 19529), (373, 19580), (374, 19583), (375, 19586), (393, 19619), (401, 19637), (404, 19640), (463, 19742), (501, 19811), (505, 19820), (515, 19841), (519, 19847), (641, 20021), (662, 20051),

Gene: Verity_46 Start: 41437, Stop: 42174, Start Num: 190
Candidate Starts for Verity_46:
(20, 40798), (28, 40969), (31, 41011), (59, 41152), (181, 41428), (Start: 190 @41437 has 4 MA's), (196, 41443), (Start: 205 @41452 has 17 MA's), (283, 41536), (294, 41557), (300, 41566), (330, 41605), (339, 41617), (353, 41635), (375, 41677), (422, 41749), (425, 41755), (499, 41881), (518, 41920), (532, 41941), (540, 41956), (561, 41983), (660, 42130),

Gene: ViaConlectus_46 Start: 39318, Stop: 40043, Start Num: 205
Candidate Starts for ViaConlectus_46:
(88, 39102), (127, 39207), (Start: 205 @39318 has 17 MA's), (294, 39423), (339, 39483), (353, 39501), (375, 39543), (414, 39600), (425, 39624), (457, 39690), (518, 39789), (540, 39825), (561, 39852), (633, 39963), (660, 39999),

Gene: Vine_49 Start: 35909, Stop: 35106, Start Num: 159
Candidate Starts for Vine_49:
(118, 35969), (Start: 159 @35909 has 67 MA's), (202, 35849), (312, 35702), (343, 35648), (357, 35627), (366, 35609), (370, 35600), (381, 35588), (391, 35573), (459, 35462), (476, 35444), (495, 35411), (549, 35309), (600, 35249), (609, 35228), (658, 35159), (680, 35120), (687, 35111),

Gene: Vitaenoii_46 Start: 47750, Stop: 46923, Start Num: 193
Candidate Starts for Vitaenoii_46:
(Start: 193 @47750 has 51 MA's), (Start: 217 @47726 has 6 MA's), (348, 47513), (463, 47306), (471, 47294), (493, 47255), (512, 47201), (543, 47138), (645, 46979),

Gene: Vivi2_48 Start: 40816, Stop: 41550, Start Num: 200
Candidate Starts for Vivi2_48:
(107, 40669), (Start: 159 @40759 has 67 MA's), (Start: 200 @40816 has 54 MA's), (Start: 219 @40834 has 3 MA's), (294, 40921), (311, 40948), (339, 40996), (353, 41014), (375, 41056), (424, 41134), (448, 41176), (464, 41209), (540, 41344), (567, 41383), (633, 41482), (655, 41509), (676, 41542),

Gene: Vordorf_47 Start: 35552, Stop: 36358, Start Num: 197
Candidate Starts for Vordorf_47:
(171, 35519), (Start: 197 @35552 has 5 MA's), (Start: 256 @35615 has 1 MA's), (315, 35705), (383, 35837), (388, 35843), (390, 35846), (461, 35993), (501, 36074), (518, 36104), (521, 36110), (556, 36161), (637, 36287), (671, 36335),

Gene: Wallaby_44 Start: 33212, Stop: 32454, Start Num: 159
Candidate Starts for Wallaby_44:
(Start: 159 @33212 has 67 MA's), (180, 33173), (202, 33155), (Start: 233 @33119 has 66 MA's), (Start: 255 @33104 has 2 MA's), (Start: 273 @33080 has 30 MA's), (298, 33044), (312, 33020), (342, 32966), (407, 32861), (418, 32840), (476, 32780), (512, 32702), (520, 32687), (540, 32657), (586, 32612), (664, 32498), (671, 32483),

Gene: Walrus_27 Start: 21692, Stop: 22495, Start Num: 198
Candidate Starts for Walrus_27:
(Start: 198 @21692 has 35 MA's), (Start: 247 @21740 has 1 MA's), (Start: 256 @21752 has 1 MA's), (267, 21767), (344, 21896), (357, 21908), (375, 21947), (406, 21992), (407, 21995), (411, 22007), (420, 22025), (425, 22037), (427, 22040), (428, 22043), (518, 22220), (532, 22241), (534, 22247), (637, 22403), (664, 22439), (678, 22463), (689, 22484),

Gene: Weasels2_31 Start: 9643, Stop: 8966, Start Num: 254
Candidate Starts for Weasels2_31:
(Start: 254 @9643 has 4 MA's), (283, 9604), (303, 9574), (316, 9553), (334, 9520), (428, 9346), (455, 9292), (521, 9181),

Gene: WelcomeAyanna_24 Start: 22284, Stop: 22901, Start Num: 263
Candidate Starts for WelcomeAyanna_24:
(177, 22185), (Start: 215 @22224 has 4 MA's), (239, 22257), (Start: 263 @22284 has 12 MA's), (276, 22290), (Start: 278 @22293 has 2 MA's), (301, 22335), (338, 22395), (377, 22470), (388, 22488), (403, 22515), (420, 22551), (445, 22602), (451, 22623), (501, 22713), (560, 22794), (627, 22872),

Gene: Wheezy_19 Start: 9432, Stop: 10157, Start Num: 189
Candidate Starts for Wheezy_19:
(Start: 189 @9432 has 22 MA's), (216, 9456), (Start: 286 @9489 has 1 MA's), (287, 9492), (309, 9528), (316, 9543), (340, 9585), (364, 9624), (419, 9732), (480, 9849), (511, 9924), (547, 9981), (574, 10023), (598, 10056), (609, 10077), (617, 10092), (659, 10152),

Gene: Whiteclaw_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Whiteclaw_24:
(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Whitney_29 Start: 22410, Stop: 23033, Start Num: 273
Candidate Starts for Whitney_29:
(64, 22035), (85, 22092), (96, 22137), (120, 22191), (121, 22194), (Start: 145 @22230 has 3 MA's), (162, 22275), (165, 22278), (Start: 273 @22410 has 30 MA's), (Start: 278 @22416 has 2 MA's), (293, 22446), (301, 22461), (338, 22521), (380, 22602), (403, 22641), (434, 22713), (469, 22776), (497, 22821), (501, 22839), (512, 22860), (518, 22869), (627, 23001), (636, 23010), (644, 23022),

Gene: WhoseManz_19 Start: 7300, Stop: 8043, Start Num: 192
Candidate Starts for WhoseManz_19:
(116, 7171), (Start: 189 @7297 has 22 MA's), (Start: 192 @7300 has 3 MA's), (Start: 286 @7363 has 1 MA's), (287, 7366), (293, 7378), (340, 7459), (419, 7609), (429, 7633), (445, 7666), (511, 7798), (588, 7924), (609, 7960), (644, 8014),

Gene: William_26 Start: 21300, Stop: 22013, Start Num: 232
Candidate Starts for William_26:
(Start: 223 @21285 has 36 MA's), (Start: 232 @21300 has 67 MA's), (243, 21312), (245, 21315), (Start: 247 @21318 has 1 MA's), (316, 21426), (333, 21456), (348, 21486), (374, 21531), (397, 21576), (401, 21585), (420, 21618), (428, 21636), (486, 21723), (490, 21729), (498, 21759), (505, 21780), (515, 21801), (519, 21807), (540, 21846), (549, 21858), (609, 21930), (653, 21993),

Gene: WinkNick_25 Start: 21234, Stop: 22010, Start Num: 219
Candidate Starts for WinkNick_25:
(Start: 198 @21210 has 35 MA's), (Start: 208 @21222 has 15 MA's), (Start: 219 @21234 has 3 MA's), (225, 21237), (Start: 247 @21264 has 1 MA's), (Start: 256 @21276 has 1 MA's), (294, 21327), (344, 21420), (373, 21465), (374, 21468), (375, 21471), (411, 21531), (420, 21549), (425, 21561), (427, 21564), (428, 21567), (480, 21657), (518, 21744), (664, 21966), (678, 21990),

Gene: Wisp_24 Start: 20862, Stop: 21665, Start Num: 198
Candidate Starts for Wisp_24:

(Start: 198 @20862 has 35 MA's), (Start: 247 @20910 has 1 MA's), (Start: 256 @20922 has 1 MA's), (267, 20937), (294, 20973), (344, 21066), (375, 21117), (410, 21174), (411, 21177), (420, 21195), (425, 21207), (427, 21210), (428, 21213), (518, 21390), (532, 21411), (534, 21417), (637, 21573), (664, 21609), (678, 21633), (689, 21654),

Gene: Wizard_43 Start: 36323, Stop: 37078, Start Num: 203
Candidate Starts for Wizard_43:
(152, 36245), (Start: 203 @36323 has 34 MA's), (Start: 264 @36395 has 16 MA's), (338, 36503), (372, 36548), (474, 36698), (480, 36704), (493, 36731), (511, 36779), (578, 36881), (632, 36965), (681, 37037),

Gene: Wocket_27 Start: 21844, Stop: 22632, Start Num: 201
Candidate Starts for Wocket_27:
(142, 21760), (Start: 201 @21844 has 9 MA's), (Start: 256 @21898 has 1 MA's), (294, 21949), (344, 22042), (375, 22093), (407, 22141), (411, 22153), (420, 22171), (425, 22183), (427, 22186), (428, 22189), (518, 22366), (532, 22387), (664, 22585), (678, 22609),

Gene: Wojtek_79 Start: 58771, Stop: 59619, Start Num: 223
Candidate Starts for Wojtek_79:
(Start: 201 @58747 has 9 MA's), (204, 58750), (Start: 223 @58771 has 36 MA's), (Start: 227 @58780 has 1 MA's), (Start: 235 @58792 has 4 MA's), (242, 58801), (Start: 257 @58825 has 7 MA's), (Start: 270 @58843 has 1 MA's), (Start: 273 @58849 has 30 MA's), (304, 58900), (355, 58996), (360, 59005), (373, 59032), (378, 59044), (398, 59083), (493, 59263), (517, 59329), (521, 59338), (537, 59368), (557, 59395), (572, 59419), (603, 59473), (620, 59518), (629, 59530), (670, 59596),

Gene: Wolfwood_42 Start: 33183, Stop: 32425, Start Num: 159
Candidate Starts for Wolfwood_42:
(97, 33297), (150, 33198), (Start: 159 @33183 has 67 MA's), (180, 33144), (202, 33126), (Start: 233 @33090 has 66 MA's), (Start: 255 @33075 has 2 MA's), (Start: 273 @33051 has 30 MA's), (298, 33015), (312, 32991), (342, 32937), (407, 32832), (418, 32811), (476, 32751), (512, 32673), (520, 32658), (540, 32628), (586, 32583), (664, 32469), (671, 32454),

Gene: Wooper_45 Start: 37588, Stop: 38310, Start Num: 234
Candidate Starts for Wooper_45:
(111, 37402), (Start: 234 @37588 has 15 MA's), (337, 37750), (351, 37777), (355, 37783), (420, 37897), (467, 37981), (515, 38074), (532, 38104),

Gene: Worcestershire_49 Start: 45727, Stop: 44870, Start Num: 193
Candidate Starts for Worcestershire_49:
(Start: 193 @45727 has 51 MA's), (220, 45703), (246, 45664), (Start: 255 @45649 has 2 MA's), (279, 45613), (301, 45574), (333, 45514), (342, 45496), (367, 45457), (389, 45415), (481, 45244), (509, 45169), (520, 45139), (576, 45052), (614, 44977), (637, 44950), (679, 44890),

Gene: Wrigley_28 Start: 22650, Stop: 23273, Start Num: 257
Candidate Starts for Wrigley_28:
(Start: 257 @22650 has 7 MA's), (279, 22659), (301, 22701), (320, 22737), (347, 22782), (362, 22803), (377, 22836), (403, 22881), (434, 22953), (445, 22968), (469, 23016), (497, 23061), (501, 23079), (512, 23100), (518, 23109), (560, 23163), (609, 23214), (627, 23241), (636, 23250), (638, 23253),

Gene: Xenia2_89 Start: 59110, Stop: 59985, Start Num: 195
Candidate Starts for Xenia2_89:
(Start: 195 @59110 has 10 MA's), (Start: 207 @59122 has 7 MA's), (222, 59140), (Start: 235 @59152 has 4 MA's), (242, 59161), (Start: 270 @59203 has 1 MA's), (329, 59311), (378, 59404), (429, 59509),

(436, 59530), (439, 59536), (442, 59539), (493, 59623), (544, 59737), (557, 59755), (570, 59776), (610, 59851), (640, 59908),

Gene: Yago84_42 Start: 36147, Stop: 36872, Start Num: 232
Candidate Starts for Yago84_42:
(105, 35949), (146, 36021), (Start: 232 @36147 has 67 MA's), (333, 36306), (337, 36312), (348, 36336), (355, 36345), (361, 36357), (369, 36372), (401, 36438), (421, 36468), (475, 36552), (501, 36615), (513, 36639), (515, 36645), (641, 36828), (647, 36837),

Gene: Yakult_48 Start: 35205, Stop: 34351, Start Num: 125
Candidate Starts for Yakult_48:
(119, 35220), (Start: 125 @35205 has 9 MA's), (135, 35190), (166, 35139), (174, 35127), (Start: 191 @35112 has 9 MA's), (Start: 207 @35097 has 7 MA's), (Start: 233 @35067 has 66 MA's), (238, 35064), (243, 35058), (Start: 255 @35052 has 2 MA's), (276, 35025), (290, 35007), (336, 34926), (337, 34923), (363, 34875), (374, 34851), (385, 34830), (417, 34770), (453, 34719), (495, 34653), (507, 34617), (547, 34557), (549, 34554), (561, 34539), (610, 34467), (631, 34437), (653, 34413), (666, 34392), (675, 34377),

Gene: Yarn_42 Start: 33445, Stop: 32606, Start Num: 159
Candidate Starts for Yarn_42:
(Start: 159 @33445 has 67 MA's), (202, 33385), (Start: 233 @33349 has 66 MA's), (243, 33340), (301, 33268), (363, 33160), (391, 33106), (410, 33070), (424, 33040), (453, 32989), (466, 32968), (600, 32764), (609, 32743), (668, 32656), (679, 32638),

Gene: Yeet412_24 Start: 19791, Stop: 20498, Start Num: 232
Candidate Starts for Yeet412_24:
(134, 19647), (Start: 232 @19791 has 67 MA's), (279, 19848), (301, 19887), (333, 19947), (342, 19965), (343, 19968), (355, 19986), (374, 20022), (375, 20025), (393, 20058), (401, 20076), (420, 20103), (463, 20181), (501, 20250), (515, 20280), (519, 20286), (662, 20490),

Gene: Yeezy_27 Start: 21525, Stop: 22145, Start Num: 264
Candidate Starts for Yeezy_27:
(Start: 264 @21525 has 16 MA's), (Start: 278 @21534 has 2 MA's), (301, 21579), (347, 21660), (377, 21714), (403, 21759), (420, 21795), (445, 21846), (469, 21894), (501, 21957), (518, 21987), (560, 22038), (627, 22116),

Gene: Yeshua_45 Start: 37565, Stop: 38287, Start Num: 234
Candidate Starts for Yeshua_45:
(111, 37379), (Start: 234 @37565 has 15 MA's), (337, 37727), (351, 37754), (355, 37760), (420, 37874), (467, 37958), (515, 38051), (532, 38081),

Gene: Yikes_87 Start: 59300, Stop: 60151, Start Num: 223
Candidate Starts for Yikes_87:
(112, 59123), (124, 59150), (129, 59159), (139, 59174), (147, 59183), (Start: 201 @59276 has 9 MA's), (204, 59279), (Start: 223 @59300 has 36 MA's), (Start: 227 @59309 has 1 MA's), (242, 59330), (Start: 270 @59372 has 1 MA's), (Start: 273 @59378 has 30 MA's), (299, 59423), (355, 59528), (373, 59564), (378, 59576), (398, 59615), (412, 59645), (414, 59648), (420, 59660), (493, 59795), (517, 59861), (521, 59870), (537, 59900), (557, 59927), (572, 59951), (603, 60005), (620, 60050), (629, 60062), (670, 60128),

Gene: Yinzer_24 Start: 19798, Stop: 20505, Start Num: 232
Candidate Starts for Yinzer_24:

(134, 19654), (Start: 232 @19798 has 67 MA's), (279, 19855), (301, 19894), (324, 19945), (333, 19954), (342, 19972), (343, 19975), (374, 20029), (375, 20032), (393, 20065), (401, 20083), (420, 20110), (463, 20188), (501, 20257), (504, 20263), (515, 20287), (519, 20293), (662, 20497),

Gene: Yndexa_19 Start: 7686, Stop: 8480, Start Num: 145
Candidate Starts for Yndexa_19:
(Start: 145 @7686 has 3 MA's), (Start: 286 @7800 has 1 MA's), (287, 7803), (293, 7815), (340, 7896), (419, 8046), (429, 8070), (445, 8103), (511, 8235), (588, 8361), (609, 8397), (644, 8451),

Gene: YorkOnyx_46 Start: 39539, Stop: 40282, Start Num: 200
Candidate Starts for YorkOnyx_46:
(Start: 200 @39539 has 54 MA's), (Start: 219 @39557 has 3 MA's), (Start: 256 @39602 has 1 MA's), (294, 39647), (311, 39674), (320, 39692), (339, 39722), (353, 39740), (361, 39752), (375, 39782), (394, 39809), (448, 39902), (450, 39914), (520, 40034), (540, 40070), (549, 40082), (567, 40109), (590, 40142), (605, 40169), (607, 40175), (633, 40208), (655, 40235),

Gene: Yucky_49 Start: 35701, Stop: 34898, Start Num: 159
Candidate Starts for Yucky_49:
(118, 35761), (Start: 159 @35701 has 67 MA's), (202, 35641), (312, 35494), (343, 35440), (357, 35419), (366, 35401), (370, 35392), (381, 35380), (391, 35365), (459, 35254), (476, 35236), (495, 35203), (549, 35101), (600, 35041), (609, 35020), (658, 34951), (680, 34912), (687, 34903),

Gene: Yummy_48 Start: 34116, Stop: 33268, Start Num: 159
Candidate Starts for Yummy_48:
(118, 34176), (Start: 159 @34116 has 67 MA's), (Start: 233 @34020 has 66 MA's), (243, 34011), (312, 33921), (363, 33831), (365, 33828), (391, 33780), (397, 33771), (409, 33747), (424, 33714), (448, 33681), (466, 33642), (610, 33414), (614, 33405), (668, 33330), (673, 33321),

Gene: YungMoney_47 Start: 38725, Stop: 39480, Start Num: 203
Candidate Starts for YungMoney_47:
(188, 38710), (Start: 203 @38725 has 34 MA's), (Start: 264 @38797 has 16 MA's), (293, 38830), (294, 38833), (311, 38860), (321, 38881), (338, 38905), (456, 39085), (474, 39100), (480, 39106), (493, 39133), (511, 39181), (578, 39283), (632, 39367), (681, 39439),

Gene: ZAYM_27 Start: 22255, Stop: 22968, Start Num: 232
Candidate Starts for ZAYM_27:
(73, 21961), (74, 21964), (100, 22045), (114, 22075), (183, 22198), (Start: 232 @22255 has 67 MA's), (287, 22321), (301, 22348), (309, 22363), (333, 22408), (361, 22459), (375, 22486), (386, 22510), (424, 22573), (481, 22657), (501, 22714), (511, 22732), (515, 22744), (519, 22750),

Gene: Zameen_27 Start: 22303, Stop: 22923, Start Num: 264
Candidate Starts for Zameen_27:
(60, 21928), (120, 22099), (121, 22102), (162, 22183), (177, 22204), (Start: 264 @22303 has 16 MA's), (Start: 278 @22312 has 2 MA's), (301, 22357), (347, 22438), (403, 22537), (420, 22573), (445, 22624), (469, 22672), (501, 22735), (518, 22765), (560, 22816), (609, 22867), (627, 22894),

Gene: Zany_85 Start: 59554, Stop: 60444, Start Num: 223
Candidate Starts for Zany_85:
(Start: 201 @59530 has 9 MA's), (204, 59533), (Start: 223 @59554 has 36 MA's), (Start: 227 @59563 has 1 MA's), (242, 59584), (Start: 270 @59626 has 1 MA's), (Start: 273 @59632 has 30 MA's), (355, 59782), (360, 59791), (373, 59818), (378, 59830), (398, 59869), (493, 60049), (517, 60115), (521, 60124), (537, 60154), (557, 60181), (572, 60205), (603, 60259), (620, 60304), (629, 60316), (686, 60403), (694, 60436),

Gene: Zarbodnamra_25 Start: 21151, Stop: 21954, Start Num: 198
Candidate Starts for Zarbodnamra_25:
(Start: 198 @21151 has 35 MA's), (Start: 247 @21199 has 1 MA's), (Start: 256 @21211 has 1 MA's), (267, 21226), (294, 21262), (344, 21355), (375, 21406), (410, 21463), (411, 21466), (420, 21484), (425, 21496), (427, 21499), (428, 21502), (518, 21679), (532, 21700), (534, 21706), (637, 21862), (664, 21898), (678, 21922), (689, 21943),

Gene: Zareef_42 Start: 33205, Stop: 32447, Start Num: 159
Candidate Starts for Zareef_42:
(Start: 159 @33205 has 67 MA's), (180, 33166), (202, 33148), (Start: 233 @33112 has 66 MA's), (Start: 255 @33097 has 2 MA's), (Start: 273 @33073 has 30 MA's), (298, 33037), (312, 33013), (342, 32959), (407, 32854), (418, 32833), (476, 32773), (512, 32695), (520, 32680), (540, 32650), (586, 32605), (664, 32491), (671, 32476),

Gene: Zeph_31 Start: 22807, Stop: 23595, Start Num: 233
Candidate Starts for Zeph_31:
(Start: 233 @22807 has 66 MA's), (282, 22882), (288, 22894), (320, 22948), (322, 22954), (348, 22999), (400, 23095), (410, 23113), (414, 23122), (419, 23131), (421, 23137), (521, 23326), (523, 23329), (530, 23344), (570, 23404), (657, 23551),

Gene: ZiggyZoo_25 Start: 21074, Stop: 21871, Start Num: 195
Candidate Starts for ZiggyZoo_25:
(34, 20681), (62, 20810), (98, 20921), (109, 20948), (127, 20984), (Start: 195 @21074 has 10 MA's), (Start: 256 @21128 has 1 MA's), (267, 21143), (294, 21179), (344, 21272), (357, 21284), (374, 21320), (375, 21323), (407, 21371), (410, 21380), (411, 21383), (420, 21401), (425, 21413), (427, 21416), (428, 21419), (501, 21566), (518, 21596), (532, 21617), (534, 21623), (540, 21632), (664, 21815), (678, 21839), (689, 21860),

Gene: Zilla_25 Start: 21169, Stop: 21972, Start Num: 198
Candidate Starts for Zilla_25:
(Start: 198 @21169 has 35 MA's), (Start: 247 @21217 has 1 MA's), (Start: 256 @21229 has 1 MA's), (267, 21244), (294, 21280), (344, 21373), (375, 21424), (410, 21481), (411, 21484), (420, 21502), (425, 21514), (427, 21517), (428, 21520), (518, 21697), (532, 21718), (534, 21724), (637, 21880), (664, 21916), (678, 21940), (689, 21961),

Gene: Zipp_47 Start: 41352, Stop: 42089, Start Num: 190
Candidate Starts for Zipp_47:
(21, 40737), (23, 40776), (28, 40884), (31, 40926), (59, 41067), (181, 41343), (Start: 190 @41352 has 4 MA's), (196, 41358), (Start: 205 @41367 has 17 MA's), (294, 41472), (300, 41481), (330, 41520), (339, 41532), (353, 41550), (375, 41592), (422, 41664), (425, 41670), (499, 41796), (518, 41835), (532, 41856), (540, 41871), (561, 41898), (660, 42045),

Gene: Zirinka_25 Start: 22321, Stop: 22938, Start Num: 263
Candidate Starts for Zirinka_25:
(177, 22222), (Start: 215 @22261 has 4 MA's), (239, 22294), (Start: 263 @22321 has 12 MA's), (Start: 278 @22330 has 2 MA's), (301, 22372), (309, 22384), (338, 22432), (347, 22453), (362, 22474), (377, 22507), (403, 22552), (420, 22588), (445, 22639), (501, 22750), (518, 22780), (560, 22831), (627, 22909),

Gene: Zitch_49 Start: 39473, Stop: 40198, Start Num: 205
Candidate Starts for Zitch_49:

(110, 39326), (127, 39362), (Start: 205 @39473 has 17 MA's), (Start: 255 @39527 has 2 MA's), (294, 39578), (300, 39587), (339, 39638), (353, 39656), (375, 39698), (414, 39755), (425, 39779), (457, 39845), (499, 39905), (518, 39944), (540, 39980), (561, 40007), (633, 40118), (660, 40154),

Gene: Zodiariah_29 Start: 26113, Stop: 26916, Start Num: 201
Candidate Starts for Zodiariah_29:
(Start: 201 @26113 has 9 MA's), (Start: 208 @26122 has 15 MA's), (Start: 219 @26134 has 3 MA's), (Start: 247 @26164 has 1 MA's), (Start: 256 @26176 has 1 MA's), (274, 26200), (294, 26227), (344, 26320), (375, 26371), (376, 26374), (411, 26431), (420, 26449), (480, 26554), (518, 26641), (540, 26677), (561, 26704), (624, 26809), (664, 26863), (678, 26887),