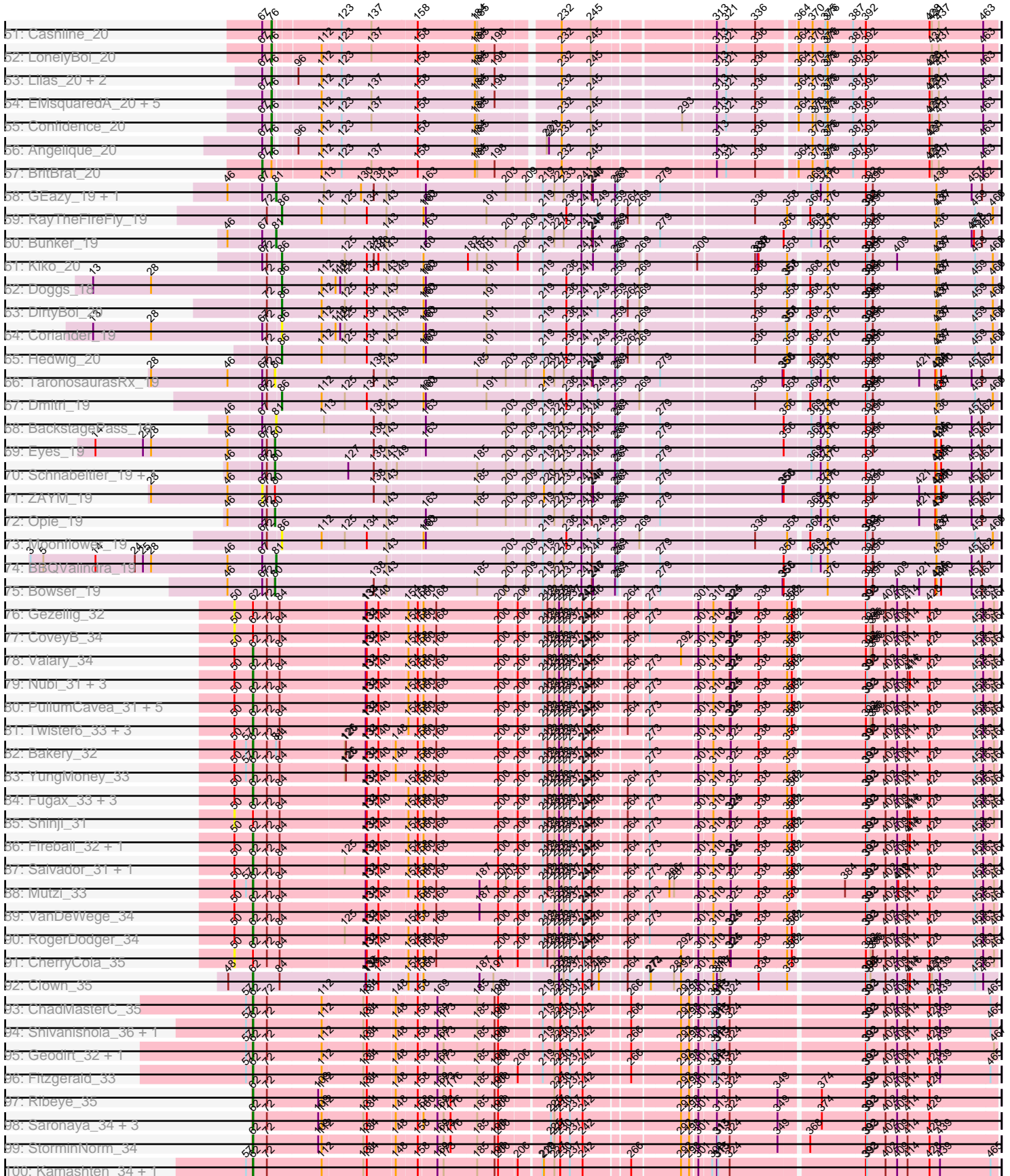


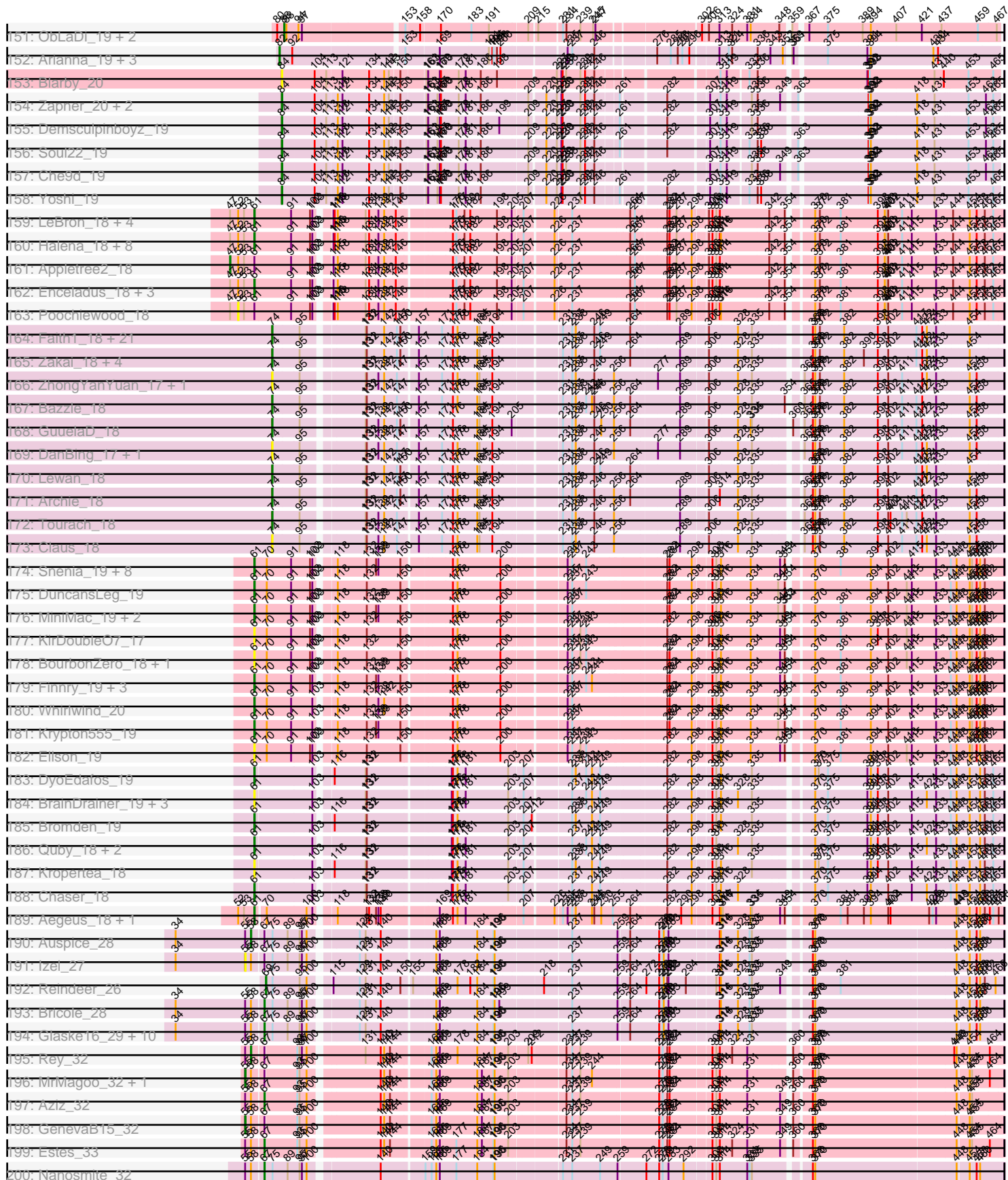
Pham 202585

	78	110	116	141	144	166	177	195	220	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
1: Farewell_18 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
2: Bavliard_18 + 3	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
3: Elliott_18 + 3	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
4: Chocochunchkin_18 + 2	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
5: Yakult_19	21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
6: Survivors_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
7: Feastonyet_17 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
8: Amok_17	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
9: Mayweather_19	21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
10: Mavan_20 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
11: ChickenTender_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
12: Nina_19 + 2	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
13: Jamzy_21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
14: Yucky_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
15: Starburst_19	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
16: SummitAcademy_17 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
17: RedBaron_19	21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
18: Zareel_22	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
19: Oria_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
20: Burnsey_18	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
21: AikoCarson_17 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
22: Agatha_18 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
23: Hexbug_20	16, 21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
24: Azira_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
25: PotPie_18	16	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
26: Button_19	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
27: SheckWes_17	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
28: SteamedHams_20 + 2	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
29: Ffibs8_19	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
30: Blondies_18	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
31: SketchMex_17 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
32: Quasar_18	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
33: MScam_20 + 1	21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
34: Nodigi_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
35: Margaret_21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
36: BillDoor_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
37: Carsonalex_19	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
38: MAnor_18	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
39: Cleo_18	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
40: GTE2_16	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
41: Horseradish_19 + 3	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
42: CherryonLim_19	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
43: Dre3_18 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
44: MunkgeeRoachy_18	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
45: RanchPamCat_21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
46: Pons_18	16	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486
47: GfAK_21	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
48: HippoPoison_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
49: Wngley_20	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	
50: Jablanski_20 + 1	61	108	120	133	151	158	171	181	200	239	246	286	282	290	316	335	370	385	403	438	450	464	486	

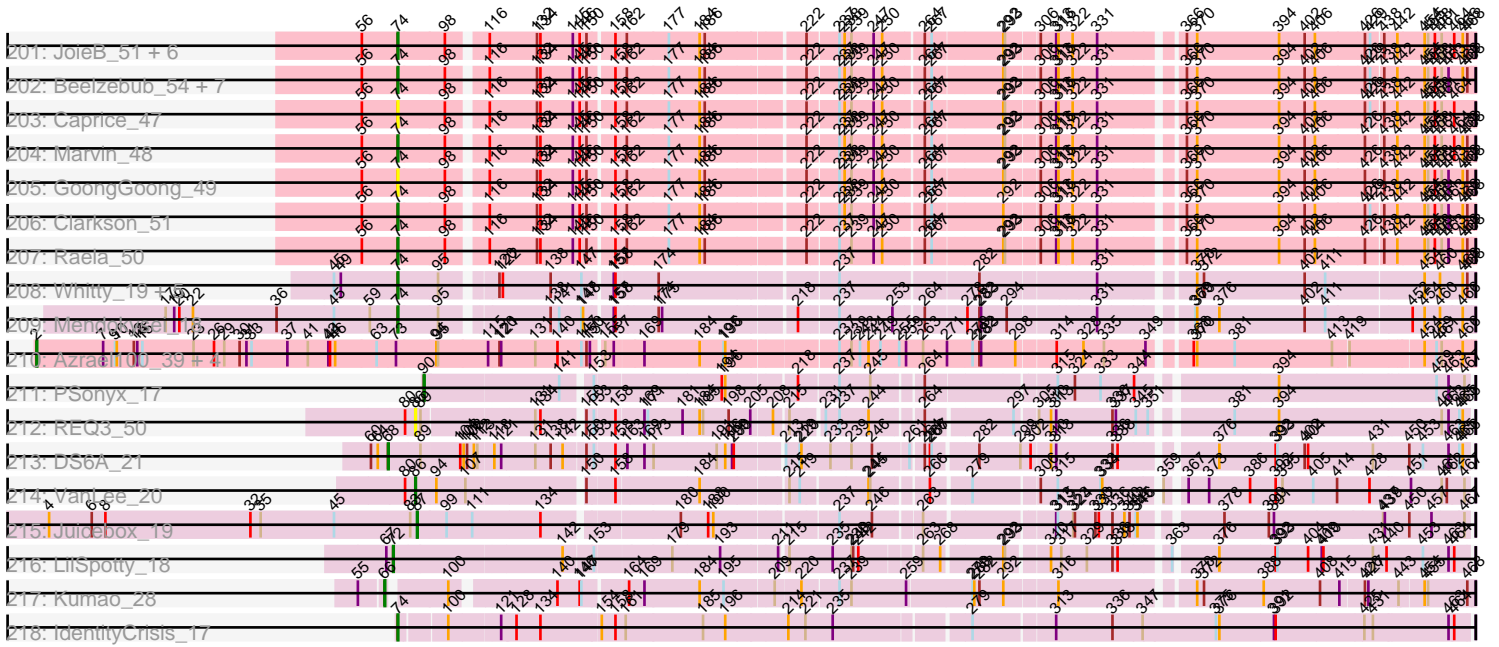
Pham 202585



Pham 202585



Pham 202585



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 202585 Report

This analysis was run 01/18/25 on database version 583.

Pham number 202585 has 405 members, 69 are drafts.

Phages represented in each track:

- Track 1 : Farewell_16, Sparky_16
- Track 2 : Bavidard_18, KayGee_18, Elinal_19, Lauer_17
- Track 3 : Elliott_18, GoldHunter_19, PsychoKiller_18, Sopespian_18
- Track 4 : ChocoMunchkin_18, CanesSauce_18, AndPeggy_17
- Track 5 : Yakult_19
- Track 6 : Survivors_20
- Track 7 : Feastonyeet_17, BigChungus_17
- Track 8 : Amok_17
- Track 9 : Mayweather_19
- Track 10 : MaVan_20, Nibbles_20
- Track 11 : ChickenTender_20
- Track 12 : Nina_19, Typhonomachy_19, Axym_18
- Track 13 : Jamzy_21
- Track 14 : Yucky_20
- Track 15 : Starburst_19
- Track 16 : SummitAcademy_17, Vine_19
- Track 17 : RedBaron_19
- Track 18 : Zareef_22
- Track 19 : Orla_20
- Track 20 : Burnsey_18
- Track 21 : AikoCarson_17, Emalyn_17
- Track 22 : Agatha_18, Cozz_18
- Track 23 : Hexbug_20
- Track 24 : Azira_20
- Track 25 : PotPie_18
- Track 26 : Button_19
- Track 27 : SheckWes_17
- Track 28 : SteamedHams_20, Yarn_17, Tolls_20
- Track 29 : Fribs8_19
- Track 30 : Blondies_18
- Track 31 : SketchMex_17, Biskit_19
- Track 32 : Quasar_18
- Track 33 : MScarn_20, Buttrmlkdreams_18
- Track 34 : Nodigi_20
- Track 35 : Margaret_21
- Track 36 : BillDoor_20
- Track 37 : Carsonalex_19

- Track 38 : MAnor_18
- Track 39 : Cleo_18
- Track 40 : GTE2_16
- Track 41 : Horseradish_19, Yummy_19, SweatNTears_20, Troje_18
- Track 42 : CherryonLim_19
- Track 43 : Dre3_18, Gibbous_18
- Track 44 : MunkgeeRoachy_18
- Track 45 : RanchParmCat_21
- Track 46 : Pons_18
- Track 47 : GiKK_21
- Track 48 : HippoPololi_20
- Track 49 : Wrigley_20
- Track 50 : Jablanski_20, Pytheas_20
- Track 51 : Cashline_20
- Track 52 : LonelyBoi_20
- Track 53 : Lilas_20, Bradissa_20, EnalisNailo_20
- Track 54 : EMSquaredA_20, Pollux_20, BeeGee_20, Posh_20, Marteena_20, Floral_20
- Track 55 : Confidence_20
- Track 56 : Angelique_20
- Track 57 : BritBrat_20
- Track 58 : GEazy_19, HannahD_19
- Track 59 : RayTheFireFly_19
- Track 60 : Bunker_19
- Track 61 : Kiko_20
- Track 62 : Doggs_18
- Track 63 : DirtyBoi_20
- Track 64 : Coriander_19
- Track 65 : Hedwig_20
- Track 66 : TaronosaurusRx_19
- Track 67 : Dmitri_19
- Track 68 : BackstagePass_19
- Track 69 : Eyes_19
- Track 70 : Schnabeltier_19, MagicMan_19
- Track 71 : ZAYM_19
- Track 72 : Opie_19
- Track 73 : Moonflower_19
- Track 74 : BBQValindra_19
- Track 75 : Bowser_19
- Track 76 : Gezellig_32
- Track 77 : CoveyB_34
- Track 78 : Valary_34
- Track 79 : Nubi_31, Togo_31, Portcullis_31, SmokingBunny_31
- Track 80 : PullumCavea_31, Phlop_31, Wizard_31, KimmyK_33, Arri_34, Halo3_32
- Track 81 : Twister6_33, Danyall_33, Savbucketdawg_31, Jambalaya_31
- Track 82 : Bakery_32
- Track 83 : YungMoney_33
- Track 84 : Fugax_33, PinkCoffee_33, Barb_33, ClamChowder_33
- Track 85 : Shinji_31
- Track 86 : Fireball_32, TillyBobJoe_31
- Track 87 : Salvador_31, Evamon_31
- Track 88 : Mutzi_33
- Track 89 : VanDeWege_34

- Track 90 : RogerDodger_34
- Track 91 : CherryCola_35
- Track 92 : Clown_35
- Track 93 : ChadMasterC_35
- Track 94 : Shivanishola_36, MoontowerMania_34
- Track 95 : Geodirt_32, McKinley_37
- Track 96 : Fitzgerald_33
- Track 97 : Ribeye_35
- Track 98 : Saronaya_34, Tangerine_34, Gustavo_34, LilHam_32
- Track 99 : StorminNorm_34
- Track 100 : Kamashten_34, Thing3_34
- Track 101 : Affeca_33, BobBob_32
- Track 102 : Angelicage_33
- Track 103 : Keitabear_35
- Track 104 : Nordenberg_29, Rofo_35, Love_38, Galadriel_35
- Track 105 : Lennon_35, Sitar_35
- Track 106 : Gaea_34
- Track 107 : Sanjuju_33, Kewpiedoll_34, Ailee_33, Barsten_35, Jabberwocky_33
- Track 108 : FuegoCuervo_37
- Track 109 : Ashertheman_35
- Track 110 : Baddon_34, Derg_32
- Track 111 : JKSyngboy_32
- Track 112 : SchottB_33
- Track 113 : Brandonk123_36
- Track 114 : YorkOnyx_35
- Track 115 : Charming_35
- Track 116 : Sedona_35, Paries_37, Vivi2_37
- Track 117 : Tangent_35
- Track 118 : Bibwit_34
- Track 119 : Tycho_34
- Track 120 : Bizzy_35
- Track 121 : RiverRaider_35
- Track 122 : Fosterous_33
- Track 123 : Flatwoods_35
- Track 124 : Kroos_35, Kwobi_35
- Track 125 : Stultus_33
- Track 126 : Baumdotcom_34
- Track 127 : Lucky10_18
- Track 128 : Budski_20, Kamaru_20, Holliday_20
- Track 129 : Malisha_21
- Track 130 : Periwinkle_22
- Track 131 : Kenna_19, Lutum_20, Phabuloso_20, LitninMcQueen_20
- Track 132 : Horus_20, Leroy_20, Apricot_19, Phistory_21, Crater_18
- Track 133 : Getalong_21
- Track 134 : BENtherdunthat_20, Asapag_20, BotCity_21, Frickyeah_20
- Track 135 : CheeseTouch_20, ShawBrad_20
- Track 136 : Whitney_21
- Track 137 : Spooky_20
- Track 138 : Squiddly_22
- Track 139 : Volt_55, Ronaldo_56, Ziko_56
- Track 140 : Keelan_51
- Track 141 : Fryberger_53
- Track 142 : Guey18_58

- Track 143 : Octobien14_28
- Track 144 : Sephiroth_28, Syleon_28
- Track 145 : Kudrefre_27
- Track 146 : Trax_28
- Track 147 : Rabbitrun_30
- Track 148 : Neville_28
- Track 149 : Morgana_19
- Track 150 : Aleemily_19
- Track 151 : ObLaDi_19, ModicumRichard_19, Cafasso_19
- Track 152 : Arianna_19, Poushou_19, TouchMeNot_19, Colleen_19
- Track 153 : Blarby_20
- Track 154 : Zapner_20, Avani_19, Jabbawokkie_21
- Track 155 : Demsculpinboyz_19
- Track 156 : Soul22_19
- Track 157 : Che9d_19
- Track 158 : Yoshi_19
- Track 159 : LeBron_18, Calm_18, Zaria_18, CicholasNage_18, Wamburgexpress_18
- Track 160 : Halena_18, MAckerman_18, Wyatt2_18, Silverleaf_18, AvadaKedavra_18, Acquire49_18, Rose5_18, UPIE_18, Tyson_18
- Track 161 : Appletree2_18
- Track 162 : Enceladus_18, DirkDirk_18, OhShagHennessy_18, JoeDirt_18
- Track 163 : Poochiewood_18
- Track 164 : Faith1_18, DrSeegs_18, Wigglewiggles_18, Soap141_18, Gabriela_18, Itos_18, Breezona_18, Finemlucis_18, BigCheese_18, MkaliMitinis3_18, Sarshaun_18, Hafay_18, Nicholasp3_18, BobsGarage_18, Netyap_18, Underpass_18, Loadrie_18, Gardann_18, Wilder_18, Miley16_18, Kahlid_18, Winky_18
- Track 165 : Zakai_18, Crossroads_18, LilDestine_18, Rumpelstiltskin_18, Vetrix_18
- Track 166 : ZhongYanYuan_17, Baoshan_17
- Track 167 : Bazzle_18
- Track 168 : GuuelaD_18
- Track 169 : DanBing_17, DHan_18
- Track 170 : Lewan_18
- Track 171 : Archie_18
- Track 172 : Tourach_18
- Track 173 : Claus_18
- Track 174 : Snenia_19, MsGreen_19, Jobypre_19, Jubie_19, Clautastrophe_19, Kingsolomon_19, TriFive_19, Nicholas_19, Lumos_19
- Track 175 : DuncansLeg_19
- Track 176 : MiniMac_19, Lolly9_19, MiniLon_19
- Track 177 : KirDoubleO7_17
- Track 178 : BourbonZero_18, LiyuLake_19
- Track 179 : Finnry_19, Bellis_19, Samty_19, Moostard_19
- Track 180 : Whirlwind_20
- Track 181 : Krypton555_19
- Track 182 : Ellson_19
- Track 183 : DyoEdafos_19
- Track 184 : BrainDrainer_19, Douzhi_18, Sheng711_18, PYPDinur_18
- Track 185 : Bromden_19
- Track 186 : Quby_18, Douge_18, FarmResident_18
- Track 187 : Kropertea_18
- Track 188 : Chaser_18

- Track 189 : Aegeus_18, Baudelaire_18
- Track 190 : Auspice_28
- Track 191 : Izel_27
- Track 192 : Reindeer_26
- Track 193 : Bricole_28
- Track 194 : Glaske16_29, FreakyGoo_28, LilhomieP_27, IPhane7_28, Bongo_28, SlimJimmy_27, PegLeg_28, Diminimus_29, TyDawg_28, Skinny_29, Dulcita_29
- Track 195 : Rey_32
- Track 196 : MrMagoo_32, GardenSalsa_32
- Track 197 : Aziz_32
- Track 198 : GenevaB15_32
- Track 199 : Estes_33
- Track 200 : Nanosmite_32
- Track 201 : JoieB_51, Corazon_48, MosMoris_48, Tesla_49, RedRaider77_50, FeliMaine_52, Gattaca_49
- Track 202 : Beelzebub_54, Poise_50, Pringar_50, Huphlepuuff_52, Blackbeetle_50, Lilbit_51, LittleLaf_50, VasuNzinga_50
- Track 203 : Caprice_47
- Track 204 : Marvin_48
- Track 205 : GoongGoong_49
- Track 206 : Clarkson_51
- Track 207 : Raela_50
- Track 208 : Whitty_19, Nairb_19, ZenTime222_19, Ibrahim_19, Bernal13_19, RonRayGun_19
- Track 209 : Mendokysei_18
- Track 210 : Azrael100_39, MaryV_40, Cosmo_40, EniyanLRS_37, Wildcat_40
- Track 211 : PSonyx_17
- Track 212 : REQ3_50
- Track 213 : DS6A_21
- Track 214 : VanLee_20
- Track 215 : Juicebox_19
- Track 216 : LilSpotty_18
- Track 217 : Kumao_28
- Track 218 : IdentityCrisis_17

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

The start number called the most often in the published annotations is 62, it was called in 73 of the 336 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Affeca_33, Ailee_33, Angelicage_33, Arri_34, Ashertheman_35, Baddon_34, Bakery_32, Barb_33, Barsten_35, Baumdotcom_34, Bibwit_34, Bizzy_35, BobBob_32, Brandonk123_36, ChadMasterC_35, Charming_35, ClamChowder_33, Clown_35, Danyall_33, Derg_32, Evamon_31, Fireball_32, Fitzgerald_33, Flatwoods_35, Fosterous_33, FuegoCuervo_37, Fugax_33, Gaea_34, Galadriel_35, Geodirt_32, Gustavo_34, Halo3_32, JKSyngboy_32, Jaberwocky_33, Jambalaya_31, Kamashten_34, Keitabear_35, Kewpiedoll_34, KimmyK_33, Kroos_35, Kwobi_35, Lennon_35, LilHam_32, Love_38, McKinley_37, MoontowerMania_34, Mutzi_33, Nordenberg_29, Nubi_31, Paries_37, Phlop_31,

PinkCoffee_33, Portcullis_31, PullumCavea_31, Ribeye_35, RiverRaider_35, Rofo_35, RogerDodger_34, Salvador_31, Sanjuju_33, Saronaya_34, Savbucketdawg_31, SchottB_33, Sedona_35, Shivanishola_36, Sitar_35, SmokingBunny_31, StorminNorm_34, Stultus_33, Tangent_35, Tangerine_34, Thing3_34, TillyBobJoe_31, Togo_31, Twister6_33, Tycho_34, Valary_34, VanDeWege_34, Vivi2_37, Wizard_31, YorkOnyx_35, YungMoney_33,

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

- CherryCola_35, CoveyB_34, Gezellig_32, Shinji_31,

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

- Acquire49_18, Aegeus_18, Agatha_18, AikoCarson_17, Aleemily_19, Amok_17, AndPeggy_17, Angelique_20, Appletree2_18, Apricot_19, Archie_18, Arianna_19, Asapag_20, Auspice_28, AvadaKedavra_18, Avani_19, Axym_18, Azira_20, Aziz_32, Azrael100_39, BBQValindra_19, BENtherdunthat_20, BackstagePass_19, Baoshan_17, Baudelaire_18, Bavilard_18, Bazzle_18, BeeGee_20, Beelzebub_54, Bellis_19, Bernal13_19, BigCheese_18, BigChungus_17, BillDoor_20, Biskit_19, Blackbeetle_50, Blarby_20, Blondies_18, BobsGarage_18, Bongo_28, BotCity_21, BourbonZero_18, Bowser_19, Bradissa_20, BrainDrainer_19, Breezona_18, Bricole_28, BritBrat_20, Bromden_19, Budski_20, Bunker_19, Burnsey_18, Button_19, Buttrmlkdreams_18, Cafasso_19, Calm_18, CanesSauce_18, Caprice_47, Carsonalex_19, Cashline_20, Chaser_18, Che9d_19, CheeseTouch_20, CherryonLim_19, ChickenTender_20, ChocoMunchkin_18, CicholasNage_18, Clarkson_51, Claus_18, Clautastrophe_19, Cleo_18, Colleen_19, Confidence_20, Corazon_48, Coriander_19, Cosmo_40, Cozz_18, Crater_18, Crossroads_18, DHan_18, DS6A_21, DanBing_17, Demsculpinboyz_19, Diminimus_29, DirkDirk_18, DirtyBoi_20, Dmitri_19, Doggs_18, Douge_18, Douzhi_18, DrSeegs_18, Dre3_18, Dulcita_29, DuncansLeg_19, DyoEdafos_19, EMSquaredA_20, Elinal_19, Elliott_18, Ellson_19, Emalyn_17, EnalisNailo_20, Enceladus_18, EniyanLRS_37, Estes_33, Eyes_19, Faith1_18, Farewell_16, FarmResident_18, Feastonyeet_17, FeliMaine_52, Finemlucis_18, Finnry_19, Floral_20, FreakyGoo_28, Fribs8_19, Frickyeah_20, Fryberger_53, GEazy_19, GTE2_16, Gabriela_18, Gardann_18, GardenSalsa_32, Gattaca_49, GenevaB15_32, Getalong_21, GiKK_21, Gibbous_18, Glaske16_29, GoldHunter_19, GoongGoong_49, Guey18_58, GuuelaD_18, Hafay_18, Halena_18, HannahD_19, Hedwig_20, Hexbug_20, HippoPololi_20, Holliday_20, Horseradish_19, Horus_20, Huphlepuuff_52, IPhone7_28, Ibrahim_19, IdentityCrisis_17, Itos_18, Izel_27, Jabbawokkie_21, Jablanski_20, Jamzy_21, Jobypre_19, JoeDirt_18, JoieB_51, Jubie_19, Juicebox_19, Kahlid_18, Kamaru_20, KayGee_18, Keelan_51, Kenna_19, Kiko_20, Kingsolomon_19, KirDoubleO7_17, Kropertea_18, Krypton555_19, Kudefre_27, Kumao_28, Lauer_17, LeBron_18, Leroy_20, Lewan_18, LilDestine_18, LilSpotty_18, Lilas_20, Lilbit_51, LilhomieP_27, LitninMcQueen_20, LittleLaf_50, LiyuLake_19, Loadrie_18, Lolly9_19, LonelyBoi_20, Lucky10_18, Lumos_19, Lutum_20, MAckerman_18, MAnor_18, MScarn_20, MaVan_20, MagicMan_19, Malisha_21, Margaret_21, Marteena_20, Marvin_48, MaryV_40, Mayweather_19, Mendokysei_18, Miley16_18, MiniLon_19, MiniMac_19, MkaliMitinis3_18, ModicumRichard_19, Moonflower_19, Moostard_19, Morgana_19, MosMoris_48, MrMagoo_32, MsGreen_19, MunkgeeRoachy_18, Nairb_19, Nanosmite_32, Netyap_18, Neville_28, Nibbles_20, Nicholas_19, Nicholasp3_18, Nina_19, Nodigi_20, ObLaDi_19, Octobien14_28, OhShagHennessy_18, Opie_19, Orla_20, PSonyx_17, PYPDinur_18, PegLeg_28, Periwinkle_22, Phabuloso_20, Phistory_21, Poise_50, Pollux_20, Pons_18, Poochiewood_18, Posh_20, PotPie_18, Poushou_19, Pringar_50, PsychoKiller_18, Pytheas_20, Quasar_18, Quby_18, REQ3_50, Rabbitrun_30, Raela_50, RanchParmCat_21, RayTheFireFly_19,

RedBaron_19, RedRaider77_50, Reindeer_26, Rey_32, RonRayGun_19, Ronaldo_56, Rose5_18, Rumpelstiltskin_18, Samty_19, Sarshaun_18, Schnabeltier_19, Sephiroth_28, ShawBrad_20, SheckWes_17, Sheng711_18, Silverleaf_18, SketchMex_17, Skinny_29, SlimJimmy_27, Snenia_19, Soap141_18, Sopespian_18, Soul22_19, Sparky_16, Spooky_20, Squiddly_22, Starburst_19, SteamedHams_20, SummitAcademy_17, Survivors_20, SweatNTears_20, Syleon_28, TaronosaurusRx_19, Tesla_49, Tolls_20, TouchMeNot_19, Tourach_18, Trax_28, TriFive_19, Troje_18, TyDawg_28, Typhonomachy_19, Tyson_18, UPIE_18, Underpass_18, VanLee_20, VasuNzinga_50, Vetrrix_18, Vine_19, Volt_55, Wamburgrxpress_18, Whirlwind_20, Whitney_21, Whitty_19, Wigglewiggle_18, Wildcat_40, Wilder_18, Winky_18, Wrigley_20, Wyatt2_18, Yakult_19, Yarn_17, Yoshi_19, Yucky_20, Yummy_19, ZAYM_19, Zakai_18, Zapner_20, Zareef_22, Zaria_18, ZenTime222_19, ZhongYanYuan_17, Ziko_56,

Summary by start number:

Start 2:

- Found in 5 of 405 (1.2%) of genes in pham
- Manual Annotations of this start: 5 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_39 (V), Cosmo_40 (V), EniyanLRS_37 (V), MaryV_40 (V), Wildcat_40 (V),

Start 47:

- Found in 20 of 405 (4.9%) of genes in pham
- Manual Annotations of this start: 1 of 336
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Appletree2_18 (L1),

Start 50:

- Found in 32 of 405 (7.9%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: CherryCola_35 (DC1), CoveyB_34 (DC1), Gezellig_32 (DC1), Shinji_31 (DC1),

Start 52:

- Found in 22 of 405 (5.4%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Poochiewood_18 (L1),

Start 55:

- Found in 22 of 405 (5.4%) of genes in pham
- Manual Annotations of this start: 3 of 336
- Called 18.2% of time when present
- Phage (with cluster) where this start called: GardenSalsa_32 (M2), GenevaB15_32 (M2), Izel_27 (M1), MrMagoo_32 (M2),

Start 58:

- Found in 21 of 405 (5.2%) of genes in pham
- Manual Annotations of this start: 2 of 336
- Called 9.5% of time when present

- Phage (with cluster) where this start called: Auspice_28 (M1), Rey_32 (M2),

Start 61:

- Found in 56 of 405 (13.8%) of genes in pham
- Manual Annotations of this start: 40 of 336
- Called 96.4% of time when present
- Phage (with cluster) where this start called: Acquire49_18 (L1), Aegeus_18 (L5), AvadaKedavra_18 (L1), Baudelaire_18 (L5), Bellis_19 (L3), BourbonZero_18 (L3), BrainDrainer_19 (L4), Bromden_19 (L4), Calm_18 (L1), Chaser_18 (L4), CicholasNage_18 (L1), Clautastrophe_19 (L3), DirkDirk_18 (L1), Douge_18 (L4), Douzhi_18 (L4), DuncansLeg_19 (L3), DyoEdafos_19 (L4), Ellson_19 (L3), Enceladus_18 (L1), FarmResident_18 (L4), Finnry_19 (L3), Halena_18 (L1), Jobypre_19 (L3), JoeDirt_18 (L1), Jubie_19 (L3), Kingsolomon_19 (L3), KirDoubleO7_17 (L3), Kropertea_18 (L4), Krypton555_19 (L3), LeBron_18 (L1), LiyuLake_19 (L3), Lolly9_19 (L3), Lumos_19 (L3), MAckerman_18 (L1), MiniLon_19 (L3), MiniMac_19 (L3), Moostard_19 (L3), MsGreen_19 (L3), Nicholas_19 (L3), OhShagHennessy_18 (L1), PYPDinur_18 (L4), Quby_18 (L4), Rose5_18 (L1), Samty_19 (L3), Sheng711_18 (L4), Silverleaf_18 (L1), Snenia_19 (L3), TriFive_19 (L3), Tyson_18 (L1), UPIE_18 (L1), Wamburgrxpress_18 (L1), Whirlwind_20 (L3), Wyatt2_18 (L1), Zaria_18 (L1),

Start 62:

- Found in 86 of 405 (21.2%) of genes in pham
- Manual Annotations of this start: 73 of 336
- Called 95.3% of time when present
- Phage (with cluster) where this start called: Affeca_33 (DE1), Ailee_33 (DE1), Angelicage_33 (DE1), Arri_34 (DC1), Ashertheman_35 (DE1), Baddon_34 (DE1), Bakery_32 (DC1), Barb_33 (DC1), Barsten_35 (DE1), Baumdotcom_34 (DE1), Bibwit_34 (DE1), Bizzy_35 (DE1), BobBob_32 (DE1), Brandonk123_36 (DE1), ChadMasterC_35 (DE1), Charming_35 (DE1), ClamChowder_33 (DC1), Clown_35 (DC2), Danyall_33 (DC1), Derg_32 (DE1), Evamon_31 (DC1), Fireball_32 (DC1), Fitzgerald_33 (DE1), Flatwoods_35 (DE1), Fosterous_33 (DE1), FuegoCuervo_37 (DE1), Fugax_33 (DC1), Gaea_34 (DE1), Galadriel_35 (DE1), Geodirt_32 (DE1), Gustavo_34 (DE1), Halo3_32 (DC1), JKSyngboy_32 (DE1), Jabberwocky_33 (DE1), Jambalaya_31 (DC1), Kamashten_34 (DE1), Keitabear_35 (DE1), Kewpiedoll_34 (DE1), KimmyK_33 (DC1), Kroos_35 (DE1), Kwobi_35 (DE1), Lennon_35 (DE1), LilHam_32 (DE1), Love_38 (DE1), McKinley_37 (DE1), MoontowerMania_34 (DE1), Mutzi_33 (DC1), Nordenberg_29 (DE1), Nubi_31 (DC1), Paries_37 (DE1), Phlop_31 (DC1), PinkCoffee_33 (DC1), Portcullis_31 (DC1), PullumCavea_31 (DC1), Ribeye_35 (DE1), RiverRaider_35 (DE1), Rofo_35 (DE1), RogerDodger_34 (DC1), Salvador_31 (DC1), Sanjuju_33 (DE1), Saronaya_34 (DE1), Savbucketdawg_31 (DC1), SchottB_33 (DE1), Sedona_35 (DE1), Shivanishola_36 (DE1), Sitar_35 (DE1), SmokingBunny_31 (DC1), StorminNorm_34 (DE1), Stultus_33 (DE1), Tangent_35 (DE1), Tangerine_34 (DE1), Thing3_34 (DE1), TillyBobJoe_31 (DC1), Togo_31 (DC1), Twister6_33 (DC1), Tycho_34 (DE1), Valary_34 (DC1), VanDeWege_34 (DC1), Vivi2_37 (DE1), Wizard_31 (DC1), YorkOnyx_35 (DE1), YungMoney_33 (DC1),

Start 66:

- Found in 1 of 405 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_28 (singleton),

Start 67:

- Found in 100 of 405 (24.7%) of genes in pham
- Manual Annotations of this start: 15 of 336
- Called 17.0% of time when present
- Phage (with cluster) where this start called: Aziz_32 (M2), Bongo_28 (M1), Bricole_28 (M1), BritBrat_20 (CY2), Diminimus_29 (M1), Dulcita_29 (M1), Estes_33 (M2), FreakyGoo_28 (M1), Glaske16_29 (M1), IPHane7_28 (M1), LilhomieP_27 (M1), Nanosmite_32 (M3), PegLeg_28 (M1), Skinny_29 (M1), SlimJimmy_27 (M1), TyDawg_28 (M1), ZAYM_19 (DB),

Start 68:

- Found in 1 of 405 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_21 (singleton),

Start 69:

- Found in 1 of 405 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer_26 (M1),

Start 71:

- Found in 8 of 405 (2.0%) of genes in pham
- Manual Annotations of this start: 7 of 336
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Kudrefre_27 (DU1), Neville_28 (DU2), Octobien14_28 (DU1), Rabbitrun_30 (DU2), Sephiroth_28 (DU1), Syleon_28 (DU1), Trax_28 (DU2),

Start 72:

- Found in 103 of 405 (25.4%) of genes in pham
- Manual Annotations of this start: 3 of 336
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Farewell_16 (AF), LilSpotty_18 (singleton), Sparky_16 (AF),

Start 74:

- Found in 65 of 405 (16.0%) of genes in pham
- Manual Annotations of this start: 53 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archie_18 (L2), Baoshan_17 (L2), Bazzle_18 (L2), Beelzebub_54 (S), Bernal13_19 (T), BigCheese_18 (L2), Blackbeetle_50 (S), BobsGarage_18 (L2), Breezona_18 (L2), Caprice_47 (S), Clarkson_51 (S), Claus_18 (L2), Corazon_48 (S), Crossroads_18 (L2), DHan_18 (L2), DanBing_17 (L2), DrSeegs_18 (L2), Faith1_18 (L2), FeliMaine_52 (S), Finemlucis_18 (L2), Gabriela_18 (L2), Gardann_18 (L2), Gattaca_49 (S), GoongGoong_49 (S), GuuelaD_18 (L2), Hafay_18 (L2), Huphlepuuff_52 (S), Ibrahim_19 (T), IdentityCrisis_17 (singleton), Itos_18 (L2), JoieB_51 (S), Kahlid_18 (L2), Lewan_18 (L2), LilDestine_18 (L2), Lilbit_51 (S), LittleLaf_50 (S), Loadrie_18 (L2), Marvin_48 (S), Mendokyse_18 (T), Miley16_18 (L2), MkaliMitinis3_18 (L2), MosMoris_48 (S), Nairb_19 (T), Netyap_18 (L2), Nicholasp3_18 (L2), Poise_50 (S),

Pringar_50 (S), Raela_50 (S), RedRaider77_50 (S), RonRayGun_19 (T), Rumpelstiltskin_18 (L2), Sarshaun_18 (L2), Soap141_18 (L2), Tesla_49 (S), Tourach_18 (L2), Underpass_18 (L2), VasuNzinga_50 (S), Vetrix_18 (L2), Whitty_19 (T), Wigglewobble_18 (L2), Wilder_18 (L2), Winky_18 (L2), Zakai_18 (L2), ZenTime222_19 (T), ZhongYanYuan_17 (L2),

Start 76:

- Found in 18 of 405 (4.4%) of genes in pham
- Manual Annotations of this start: 17 of 336
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Angelique_20 (CY1), BeeGee_20 (CY), Bradissa_20 (CY1), Cashline_20 (CY), Confidence_20 (CY1), EMSquaredA_20 (CY1), EnalisNailo_20 (CY1), Floral_20 (CY1), Jablanski_20 (CY), Lilas_20 (CY1), LonelyBoi_20 (CY), Lucky10_18 (DH), Marteena_20 (CY1), Pollux_20 (CY1), Posh_20 (CY), Pytheas_20 (CY), Wrigley_20 (CY),

Start 77:

- Found in 6 of 405 (1.5%) of genes in pham
- Manual Annotations of this start: 6 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fryberger_53 (DP), Guey18_58 (DP), Keelan_51 (DP), Ronaldo_56 (DP), Volt_55 (DP), Ziko_56 (DP),

Start 79:

- Found in 60 of 405 (14.8%) of genes in pham
- Manual Annotations of this start: 8 of 336
- Called 30.0% of time when present
- Phage (with cluster) where this start called: AndPeggy_17 (CT), Biskit_19 (CT), Burnsey_18 (CT), CanesSauce_18 (CT), Carsonalex_19 (CT), CherryonLim_19 (CT), ChocoMunchkin_18 (CT), Elliott_18 (CT), GoldHunter_19 (CT), Nodigi_20 (CT), Pons_18 (CT), PotPie_18 (CT), PsychoKiller_18 (CT), RedBaron_19 (CT), SketchMex_17 (CT), Sopespian_18 (CT), Starburst_19 (CT), Yucky_20 (CT),

Start 80:

- Found in 18 of 405 (4.4%) of genes in pham
- Manual Annotations of this start: 5 of 336
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bowser_19 (DB), Eyes_19 (DB), MagicMan_19 (DB), Opie_19 (DB), Schnabeltier_19 (DB), TaronosaurusRx_19 (DB),

Start 81:

- Found in 6 of 405 (1.5%) of genes in pham
- Manual Annotations of this start: 4 of 336
- Called 83.3% of time when present
- Phage (with cluster) where this start called: BBQValindra_19 (DB), BackstagePass_19 (DB), Bunker_19 (DB), GEazy_19 (DB), HannahD_19 (DB),

Start 82:

- Found in 4 of 405 (1.0%) of genes in pham
- Manual Annotations of this start: 4 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arianna_19 (EO), Colleen_19 (EO), Poushou_19 (EO), TouchMeNot_19 (EO),

Start 83:

- Found in 95 of 405 (23.5%) of genes in pham
- Manual Annotations of this start: 67 of 336
- Called 77.9% of time when present
- Phage (with cluster) where this start called: Agatha_18 (CT), AikoCarson_17 (CT), Amok_17 (CT), Apricot_19 (DN3), Asapag_20 (DN1), Axym_18 (CT), Azira_20 (CT), BENTherdunthat_20 (DN1), Bavidard_18 (CT), BigChungus_17 (CT), BillDoor_20 (CT), Blondies_18 (CT), BotCity_21 (DN), Budski_20 (DN), Button_19 (CT), Buttrmlkdreams_18 (CT), CheeseTouch_20 (DN1), ChickenTender_20 (CT), Cleo_18 (CT), Cozz_18 (CT), Crater_18 (DN3), Dre3_18 (CT), Elinal_19 (CT), Emalyn_17 (CT), Feastonyeet_17 (CT), Fribs8_19 (CT), Frickyeah_20 (DN1), Getalong_21 (DN1), GiKK_21 (CT), Gibbous_18 (CT), Hexbug_20 (CT), HippoPololi_20 (CT), Holliday_20 (DN1), Horseradish_19 (CT), Horus_20 (DN1), Jamzy_21 (CT), Kamaru_20 (DN1), KayGee_18 (CT), Kenna_19 (DN1), Lauer_17 (CT), Leroy_20 (DN1), LitninMcQueen_20 (DN1), Lutum_20 (DN1), MAnor_18 (CT), MScarn_20 (CT), MaVan_20 (CT), Malisha_21 (DN), Margaret_21 (CT), Mayweather_19 (CT), MunkgeeRoachy_18 (CT), Nibbles_20 (CT), Nina_19 (CT), Orla_20 (CT), Periwinkle_22 (DN1), Phabuloso_20 (DN1), Phistory_21 (DN1), Quasar_18 (CT), RanchParmCat_21 (CT), ShawBrad_20 (DN1), SheckWes_17 (CT), Spooky_20 (DN2), Squiddly_22 (DN2), SteamedHams_20 (CT), SummitAcademy_17 (CT), Survivors_20 (CT), SweatNTears_20 (CT), Tolls_20 (CT), Troje_18 (CT), Typhonomachy_19 (CT), Vine_19 (CT), Whitney_21 (DN1), Yakult_19 (CT), Yarn_17 (CT), Yummy_19 (CT),

Start 84:

- Found in 41 of 405 (10.1%) of genes in pham
- Manual Annotations of this start: 7 of 336
- Called 19.5% of time when present
- Phage (with cluster) where this start called: Avani_19 (F2), Blarby_20 (F), Che9d_19 (F2), Demsculpinboyz_19 (F2), Jabbawokkie_21 (F2), Soul22_19 (F2), Yoshi_19 (F2), Zapner_20 (F2),

Start 86:

- Found in 15 of 405 (3.7%) of genes in pham
- Manual Annotations of this start: 11 of 336
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_19 (DZ), Cafasso_19 (DZ), Coriander_19 (DB), DirtyBoi_20 (DB), Dmitri_19 (DB), Doggs_18 (DB), Hedwig_20 (DB), Kiko_20 (DB), ModicumRichard_19 (DZ), Moonflower_19 (DB), Morgana_19 (DZ), ObLaDi_19 (DZ), REQ3_50 (singleton), RayTheFireFly_19 (DB), VanLee_20 (singleton),

Start 87:

- Found in 29 of 405 (7.2%) of genes in pham
- Manual Annotations of this start: 1 of 336
- Called 6.9% of time when present
- Phage (with cluster) where this start called: Juicebox_19 (singleton), Zareef_22 (CT),

Start 90:

- Found in 1 of 405 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 336

- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSonyx_17 (singleton),

Start 110:

- Found in 26 of 405 (6.4%) of genes in pham
- No Manual Annotations of this start.
- Called 3.8% of time when present
- Phage (with cluster) where this start called: GTE2_16 (CT),

Summary by clusters:

There are 33 clusters represented in this pham: DN, singleton, DH, V, DB, CY1, M1, M3, M2, DP, F, DN1, DN3, DN2, DU1, DU2, DC1, CY2, EO, AF, CY, S, L5, L2, L3, L1, DC2, CT, F2, DE1, L4, DZ, T,

Info for manual annotations of cluster AF:

- Start number 72 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster CT:

- Start number 79 was manually annotated 8 times for cluster CT.
- Start number 83 was manually annotated 46 times for cluster CT.

Info for manual annotations of cluster CY:

- Start number 76 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 76 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 67 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster DB:

- Start number 80 was manually annotated 5 times for cluster DB.
- Start number 81 was manually annotated 4 times for cluster DB.
- Start number 86 was manually annotated 6 times for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 62 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 62 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 62 was manually annotated 44 times for cluster DE1.

Info for manual annotations of cluster DH:

- Start number 76 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:

- Start number 83 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 83 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 83 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 83 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DP:

- Start number 77 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:

- Start number 71 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 71 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DZ:

- Start number 86 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster EO:

- Start number 82 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F2:

- Start number 84 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster L1:

- Start number 47 was manually annotated 1 time for cluster L1.
- Start number 61 was manually annotated 18 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 74 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 61 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 61 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 61 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 58 was manually annotated 1 time for cluster M1.
- Start number 67 was manually annotated 11 times for cluster M1.
- Start number 69 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:

- Start number 55 was manually annotated 3 times for cluster M2.
- Start number 58 was manually annotated 1 time for cluster M2.
- Start number 67 was manually annotated 2 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 67 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster S:

- Start number 74 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster T:

- Start number 74 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster V:

- Start number 2 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Acquire49_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for Acquire49_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: Aegeus_18 Start: 16306, Stop: 18069, Start Num: 61

Candidate Starts for Aegeus_18:

(52, 16267), (53, 16282), (Start: 61 @16306 has 40 MA's), (70, 16327), (100, 16429), (103, 16444), (118, 16480), (132, 16555), (134, 16561), (138, 16579), (139, 16585), (140, 16591), (169, 16723), (176, 16756), (178, 16768), (181, 16789), (207, 16927), (226, 16996), (231, 17011), (235, 17023), (237, 17035), (238, 17044), (244, 17083), (246, 17089), (250, 17107), (255, 17137), (264, 17179), (282, 17266), (290, 17302), (298, 17329), (308, 17371), (314, 17389), (316, 17392), (317, 17395), (334, 17467), (335, 17470), (349, 17536), (354, 17548), (370, 17596), (381, 17662), (384, 17680), (390, 17722), (394, 17740), (402, 17785), (404, 17791), (426, 17887), (429, 17896), (433, 17905), (448, 17953), (449, 17956), (454, 17983), (458, 18001), (460, 18010), (462, 18022), (464, 18034), (465, 18043), (468, 18055),

Gene: Affeca_33 Start: 30652, Stop: 32415, Start Num: 62

Candidate Starts for Affeca_33:

(57, 30634), (Start: 62 @30652 has 73 MA's), (Start: 72 @30688 has 3 MA's), (112, 30826), (131, 30922), (134, 30931), (148, 31000), (158, 31051), (169, 31096), (173, 31111), (185, 31192), (198, 31237), (200, 31246), (219, 31336), (227, 31366), (230, 31381), (237, 31405), (242, 31435), (266, 31540), (292, 31657), (298, 31675), (301, 31690), (309, 31720), (313, 31732), (315, 31735), (324, 31762), (392, 32086), (393, 32089), (402, 32137), (409, 32164), (414, 32191), (428, 32245), (439, 32272), (467, 32410),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 83

Candidate Starts for Agatha_18:

(Start: 79 @15729 has 8 MA's), (Start: 83 @15732 has 67 MA's), (133, 15942), (158, 16065), (171, 16116), (184, 16203), (191, 16233), (196, 16248), (199, 16260), (215, 16338), (217, 16350), (225, 16377), (233, 16410), (239, 16443), (242, 16455), (250, 16497), (275, 16620), (294, 16692), (315, 16770), (320, 16785), (326, 16803), (336, 16860), (367, 16953), (373, 16989), (375, 17001), (376,

17007), (379, 17019), (380, 17028), (391, 17100), (392, 17103), (394, 17109), (396, 17121), (409, 17181), (418, 17226), (420, 17235), (431, 17268), (452, 17334),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 83

Candidate Starts for AikoCarson_17:

(Start: 79 @15034 has 8 MA's), (Start: 83 @15037 has 67 MA's), (110, 15136), (113, 15148), (133, 15244), (151, 15328), (171, 15418), (181, 15478), (199, 15562), (206, 15607), (215, 15640), (217, 15652), (224, 15676), (239, 15745), (242, 15757), (275, 15922), (294, 15994), (315, 16072), (320, 16087), (326, 16105), (336, 16162), (375, 16303), (376, 16309), (379, 16321), (380, 16330), (391, 16402), (392, 16405), (394, 16411), (396, 16423), (418, 16528), (420, 16537), (431, 16570), (466, 16723),

Gene: Ailee_33 Start: 31142, Stop: 32905, Start Num: 62

Candidate Starts for Ailee_33:

(57, 31124), (Start: 62 @31142 has 73 MA's), (Start: 72 @31178 has 3 MA's), (112, 31316), (131, 31412), (134, 31421), (148, 31490), (158, 31541), (169, 31586), (173, 31601), (185, 31682), (198, 31727), (200, 31736), (219, 31826), (227, 31856), (230, 31871), (237, 31895), (242, 31925), (266, 32030), (292, 32147), (298, 32165), (301, 32180), (309, 32210), (313, 32222), (315, 32225), (324, 32252), (392, 32576), (393, 32579), (402, 32627), (409, 32654), (414, 32681), (428, 32735), (439, 32762), (465, 32891),

Gene: Aleemily_19 Start: 16551, Stop: 18215, Start Num: 86

Candidate Starts for Aleemily_19:

(Start: 80 @16536 has 5 MA's), (Start: 86 @16551 has 11 MA's), (88, 16557), (94, 16587), (97, 16596), (153, 16830), (158, 16863), (170, 16911), (183, 16986), (191, 17031), (209, 17121), (215, 17136), (231, 17190), (234, 17199), (239, 17232), (245, 17265), (247, 17271), (302, 17505), (306, 17517), (313, 17544), (324, 17577), (331, 17616), (334, 17625), (348, 17697), (359, 17712), (367, 17736), (375, 17784), (389, 17871), (394, 17892), (407, 17958), (421, 18024), (437, 18072), (459, 18162),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 83

Candidate Starts for Amok_17:

(Start: 79 @15031 has 8 MA's), (Start: 83 @15034 has 67 MA's), (110, 15133), (113, 15145), (154, 15340), (171, 15415), (192, 15535), (199, 15559), (206, 15604), (215, 15637), (217, 15649), (224, 15673), (239, 15742), (242, 15754), (275, 15919), (294, 15991), (315, 16069), (320, 16084), (326, 16102), (336, 16159), (375, 16300), (376, 16306), (379, 16318), (380, 16327), (391, 16399), (392, 16402), (394, 16408), (396, 16420), (418, 16525), (420, 16534), (431, 16567), (466, 16720),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 79

Candidate Starts for AndPeggy_17:

(Start: 79 @15394 has 8 MA's), (Start: 83 @15397 has 67 MA's), (110, 15499), (113, 15511), (133, 15607), (151, 15691), (171, 15781), (181, 15841), (184, 15868), (191, 15898), (192, 15901), (206, 15970), (215, 16003), (217, 16015), (218, 16018), (224, 16039), (225, 16042), (239, 16108), (242, 16120), (275, 16285), (315, 16435), (320, 16450), (326, 16468), (336, 16525), (375, 16666), (376, 16672), (379, 16684), (380, 16693), (391, 16765), (392, 16768), (394, 16774), (396, 16786), (418, 16891), (420, 16900), (431, 16933),

Gene: Angelicage_33 Start: 31069, Stop: 32832, Start Num: 62

Candidate Starts for Angelicage_33:

(57, 31051), (Start: 62 @31069 has 73 MA's), (Start: 72 @31105 has 3 MA's), (112, 31243), (117, 31267), (131, 31339), (134, 31348), (158, 31468), (169, 31513), (173, 31528), (176, 31546), (185, 31609), (198, 31654), (200, 31663), (219, 31753), (227, 31783), (230, 31798), (233, 31807), (237, 31822), (242, 31852), (292, 32074), (298, 32092), (301, 32107), (309, 32137), (313, 32149), (315, 32152), (324, 32179), (392, 32503), (393, 32506), (402, 32554), (409, 32581), (414, 32608), (428,

32662), (437, 32686), (439, 32689), (459, 32779), (467, 32827),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 76

Candidate Starts for Angelique_20:

(Start: 67 @17686 has 15 MA's), (Start: 76 @17710 has 17 MA's), (96, 17752), (112, 17809), (123, 17851), (158, 18040), (184, 18187), (185, 18193), (221, 18337), (223, 18343), (232, 18376), (245, 18451), (313, 18733), (336, 18829), (370, 18952), (375, 18985), (376, 18991), (387, 19057), (392, 19087), (428, 19243), (431, 19249), (463, 19378),

Gene: Appletree2_18 Start: 16636, Stop: 18468, Start Num: 47

Candidate Starts for Appletree2_18:

(Start: 47 @16636 has 1 MA's), (52, 16657), (53, 16672), (Start: 61 @16699 has 40 MA's), (91, 16792), (102, 16840), (103, 16846), (115, 16873), (118, 16882), (131, 16954), (134, 16963), (139, 16987), (142, 17002), (146, 17032), (176, 17158), (177, 17167), (180, 17188), (182, 17203), (198, 17272), (205, 17308), (207, 17329), (226, 17398), (237, 17437), (264, 17575), (267, 17587), (282, 17662), (284, 17668), (287, 17686), (298, 17725), (306, 17758), (308, 17767), (311, 17776), (314, 17785), (342, 17908), (354, 17944), (370, 17992), (372, 18004), (381, 18058), (398, 18154), (400, 18172), (401, 18178), (402, 18181), (411, 18214), (415, 18238), (433, 18301), (444, 18343), (454, 18382), (458, 18400), (462, 18421), (465, 18442),

Gene: Apricot_19 Start: 15970, Stop: 17667, Start Num: 83

Candidate Starts for Apricot_19:

(Start: 67 @15931 has 15 MA's), (Start: 83 @15970 has 67 MA's), (Start: 87 @15982 has 1 MA's), (88, 15985), (96, 16021), (105, 16060), (112, 16081), (122, 16123), (125, 16129), (126, 16132), (128, 16144), (132, 16180), (140, 16216), (153, 16273), (163, 16321), (168, 16348), (185, 16450), (196, 16489), (206, 16546), (209, 16564), (213, 16573), (215, 16579), (227, 16627), (236, 16657), (241, 16693), (243, 16699), (246, 16720), (247, 16723), (258, 16774), (264, 16801), (265, 16804), (269, 16831), (275, 16858), (294, 16930), (303, 16969), (325, 17023), (338, 17095), (350, 17140), (373, 17230), (376, 17248), (390, 17332), (391, 17341), (392, 17344), (394, 17350), (397, 17365), (402, 17395), (404, 17401), (409, 17422), (410, 17425), (421, 17479), (431, 17509), (434, 17518), (450, 17569), (456, 17602), (459, 17614), (462, 17632),

Gene: Archie_18 Start: 17205, Stop: 18938, Start Num: 74

Candidate Starts for Archie_18:

(Start: 74 @17205 has 53 MA's), (95, 17274), (131, 17415), (132, 17418), (142, 17463), (147, 17496), (150, 17505), (157, 17541), (171, 17595), (176, 17622), (178, 17634), (184, 17685), (185, 17691), (194, 17724), (231, 17877), (237, 17901), (238, 17910), (246, 17955), (256, 18006), (264, 18048), (289, 18168), (306, 18231), (314, 18258), (328, 18303), (335, 18339), (365, 18438), (368, 18459), (370, 18465), (372, 18477), (382, 18540), (398, 18627), (402, 18654), (417, 18723), (422, 18738), (433, 18774), (454, 18852), (458, 18870),

Gene: Arianna_19 Start: 17425, Stop: 19089, Start Num: 82

Candidate Starts for Arianna_19:

(Start: 82 @17425 has 4 MA's), (92, 17458), (153, 17716), (169, 17794), (191, 17917), (194, 17926), (195, 17929), (198, 17938), (200, 17947), (235, 18088), (237, 18100), (246, 18154), (276, 18289), (285, 18322), (288, 18340), (291, 18352), (296, 18367), (313, 18427), (321, 18448), (324, 18457), (336, 18523), (343, 18556), (352, 18586), (359, 18592), (361, 18595), (375, 18664), (391, 18763), (394, 18772), (430, 18928), (434, 18940),

Gene: Arri_34 Start: 26557, Stop: 28323, Start Num: 62

Candidate Starts for Arri_34:

(50, 26515), (Start: 62 @26557 has 73 MA's), (Start: 72 @26593 has 3 MA's), (Start: 84 @26626 has 7 MA's), (133, 26836), (134, 26839), (140, 26869), (154, 26935), (158, 26959), (160, 26968), (168,

27001), (200, 27154), (206, 27193), (219, 27244), (222, 27256), (227, 27274), (229, 27286), (233, 27298), (237, 27313), (242, 27343), (243, 27346), (246, 27367), (264, 27439), (273, 27487), (301, 27598), (310, 27631), (324, 27670), (325, 27673), (338, 27745), (358, 27811), (362, 27823), (392, 27994), (393, 27997), (402, 28045), (409, 28072), (414, 28099), (428, 28153), (459, 28270), (463, 28291), (467, 28318),

Gene: Asapag_20 Start: 16428, Stop: 18125, Start Num: 83

Candidate Starts for Asapag_20:

(Start: 67 @16389 has 15 MA's), (Start: 83 @16428 has 67 MA's), (Start: 87 @16440 has 1 MA's), (105, 16518), (112, 16539), (125, 16587), (127, 16596), (132, 16638), (140, 16674), (153, 16731), (156, 16752), (163, 16779), (168, 16806), (196, 16947), (206, 17004), (213, 17031), (215, 17037), (227, 17085), (236, 17115), (241, 17151), (246, 17178), (247, 17181), (258, 17232), (264, 17259), (265, 17262), (269, 17289), (275, 17316), (294, 17388), (303, 17427), (325, 17481), (333, 17523), (350, 17598), (368, 17661), (373, 17688), (376, 17706), (390, 17790), (391, 17799), (392, 17802), (394, 17808), (397, 17823), (402, 17853), (404, 17859), (409, 17880), (410, 17883), (421, 17937), (431, 17967), (434, 17976), (450, 18027), (456, 18060), (459, 18072), (462, 18090),

Gene: Ashertheman_35 Start: 29935, Stop: 31698, Start Num: 62

Candidate Starts for Ashertheman_35:

(Start: 62 @29935 has 73 MA's), (Start: 72 @29971 has 3 MA's), (109, 30100), (112, 30109), (131, 30205), (134, 30214), (148, 30283), (158, 30334), (160, 30343), (169, 30379), (173, 30394), (176, 30412), (185, 30475), (198, 30520), (200, 30529), (225, 30640), (227, 30649), (230, 30664), (237, 30688), (242, 30718), (292, 30940), (298, 30958), (301, 30973), (313, 31015), (315, 31018), (324, 31045), (349, 31165), (392, 31369), (393, 31372), (402, 31420), (409, 31447), (414, 31474), (428, 31528), (439, 31555),

Gene: Auspice_28 Start: 22341, Stop: 24104, Start Num: 58

Candidate Starts for Auspice_28:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079), (259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: AvadaKedavra_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for AvadaKedavra_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: Avani_19 Start: 13744, Stop: 15408, Start Num: 84

Candidate Starts for Avani_19:

(Start: 84 @13744 has 7 MA's), (104, 13825), (113, 13855), (118, 13876), (121, 13888), (134, 13954), (142, 13993), (143, 14005), (150, 14029), (161, 14086), (163, 14089), (167, 14113), (169, 14119), (170, 14122), (179, 14167), (181, 14185), (186, 14221), (209, 14332), (220, 14368), (227, 14395), (229, 14407), (230, 14410), (239, 14452), (242, 14464), (246, 14488), (261, 14542), (282, 14641), (307, 14734), (315, 14761), (319, 14773), (335, 14824), (336, 14839), (349, 14893), (363, 14920),

(392, 15082), (393, 15085), (394, 15088), (418, 15205), (431, 15247), (453, 15331), (463, 15376), (465, 15394),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 83

Candidate Starts for Axym_18:

(Start: 79 @15729 has 8 MA's), (Start: 83 @15732 has 67 MA's), (133, 15942), (158, 16065), (171, 16116), (184, 16203), (186, 16212), (191, 16233), (196, 16248), (199, 16260), (215, 16338), (217, 16350), (225, 16377), (233, 16410), (239, 16443), (242, 16455), (250, 16497), (275, 16620), (294, 16692), (315, 16770), (320, 16785), (326, 16803), (336, 16860), (367, 16953), (373, 16989), (375, 17001), (376, 17007), (379, 17019), (380, 17028), (391, 17100), (392, 17103), (394, 17109), (396, 17121), (409, 17181), (418, 17226), (420, 17235), (431, 17268), (452, 17334),

Gene: Azira_20 Start: 16710, Stop: 18404, Start Num: 83

Candidate Starts for Azira_20:

(18, 16299), (21, 16335), (27, 16386), (Start: 83 @16710 has 67 MA's), (Start: 87 @16722 has 1 MA's), (143, 16974), (149, 16995), (150, 16998), (158, 17043), (163, 17058), (179, 17136), (184, 17181), (206, 17283), (215, 17316), (217, 17328), (218, 17331), (233, 17388), (239, 17421), (243, 17436), (254, 17502), (265, 17544), (267, 17553), (275, 17598), (291, 17661), (313, 17742), (320, 17760), (324, 17769), (326, 17778), (336, 17835), (338, 17844), (375, 17976), (380, 18003), (383, 18024), (391, 18075), (392, 18078), (413, 18174), (418, 18201), (420, 18210), (421, 18213), (431, 18243), (437, 18261), (451, 18306), (466, 18396),

Gene: Aziz_32 Start: 22957, Stop: 24696, Start Num: 67

Candidate Starts for Aziz_32:

(Start: 55 @22915 has 3 MA's), (Start: 58 @22930 has 2 MA's), (Start: 67 @22957 has 15 MA's), (93, 23035), (95, 23041), (100, 23059), (140, 23221), (142, 23230), (144, 23245), (165, 23332), (166, 23344), (169, 23353), (184, 23449), (187, 23461), (195, 23491), (196, 23494), (203, 23527), (234, 23656), (237, 23671), (239, 23689), (278, 23881), (279, 23890), (282, 23902), (284, 23908), (308, 24007), (311, 24016), (314, 24025), (331, 24094), (349, 24172), (360, 24187), (368, 24226), (370, 24232), (448, 24586), (454, 24613), (455, 24619),

Gene: Azrael100_39 Start: 25297, Stop: 27681, Start Num: 2

Candidate Starts for Azrael100_39:

(Start: 2 @25297 has 5 MA's), (7, 25414), (9, 25435), (10, 25438), (12, 25468), (13, 25474), (15, 25483), (23, 25573), (26, 25609), (29, 25627), (30, 25654), (31, 25666), (33, 25675), (37, 25738), (41, 25774), (43, 25810), (44, 25813), (46, 25819), (63, 25891), (73, 25921), (94, 25990), (95, 25993), (115, 26080), (120, 26098), (121, 26101), (131, 26161), (140, 26200), (147, 26242), (150, 26251), (151, 26257), (155, 26272), (157, 26287), (169, 26335), (184, 26431), (195, 26473), (196, 26476), (237, 26653), (239, 26671), (243, 26686), (244, 26701), (249, 26722), (255, 26755), (259, 26764), (263, 26794), (271, 26833), (279, 26875), (282, 26887), (283, 26890), (298, 26950), (314, 27010), (328, 27055), (335, 27091), (349, 27157), (368, 27211), (370, 27217), (381, 27283), (413, 27454), (419, 27478), (454, 27598), (459, 27619), (461, 27628), (466, 27664),

Gene: BBQValindra_19 Start: 16628, Stop: 18358, Start Num: 81

Candidate Starts for BBQValindra_19:

(3, 16001), (5, 16034), (14, 16169), (24, 16271), (25, 16292), (28, 16313), (46, 16508), (Start: 67 @16592 has 15 MA's), (Start: 81 @16628 has 4 MA's), (143, 16898), (203, 17183), (209, 17225), (219, 17261), (227, 17291), (233, 17315), (241, 17357), (246, 17384), (259, 17441), (261, 17447), (279, 17534), (356, 17828), (369, 17894), (373, 17918), (376, 17936), (392, 18032), (396, 18050), (436, 18209), (457, 18296), (462, 18323),

Gene: BENtherdunthat_20 Start: 16428, Stop: 18125, Start Num: 83

Candidate Starts for BENtherdunthat_20:

(Start: 67 @16389 has 15 MA's), (Start: 83 @16428 has 67 MA's), (Start: 87 @16440 has 1 MA's), (105, 16518), (112, 16539), (125, 16587), (127, 16596), (132, 16638), (140, 16674), (153, 16731), (156, 16752), (163, 16779), (168, 16806), (196, 16947), (206, 17004), (213, 17031), (215, 17037), (227, 17085), (236, 17115), (241, 17151), (246, 17178), (247, 17181), (258, 17232), (264, 17259), (265, 17262), (269, 17289), (275, 17316), (294, 17388), (303, 17427), (325, 17481), (333, 17523), (350, 17598), (368, 17661), (373, 17688), (376, 17706), (390, 17790), (391, 17799), (392, 17802), (394, 17808), (397, 17823), (402, 17853), (404, 17859), (409, 17880), (410, 17883), (421, 17937), (431, 17967), (434, 17976), (450, 18027), (456, 18060), (459, 18072), (462, 18090),

Gene: BackstagePass_19 Start: 16768, Stop: 18498, Start Num: 81

Candidate Starts for BackstagePass_19:

(46, 16648), (Start: 67 @16732 has 15 MA's), (Start: 81 @16768 has 4 MA's), (113, 16888), (138, 17005), (143, 17038), (163, 17122), (203, 17323), (209, 17365), (219, 17401), (227, 17431), (233, 17455), (241, 17497), (246, 17524), (259, 17581), (261, 17587), (279, 17674), (356, 17968), (369, 18034), (373, 18058), (376, 18076), (392, 18172), (396, 18190), (436, 18349), (457, 18436), (462, 18463),

Gene: Baddon_34 Start: 30732, Stop: 32495, Start Num: 62

Candidate Starts for Baddon_34:

(Start: 62 @30732 has 73 MA's), (Start: 72 @30768 has 3 MA's), (109, 30897), (112, 30906), (131, 31002), (134, 31011), (148, 31080), (158, 31131), (160, 31140), (169, 31176), (173, 31191), (176, 31209), (185, 31272), (198, 31317), (200, 31326), (227, 31446), (230, 31461), (237, 31485), (242, 31515), (292, 31737), (298, 31755), (301, 31770), (313, 31812), (315, 31815), (324, 31842), (349, 31962), (368, 32025), (392, 32166), (393, 32169), (402, 32217), (409, 32244), (414, 32271), (428, 32325), (439, 32352),

Gene: Bakery_32 Start: 25768, Stop: 27534, Start Num: 62

Candidate Starts for Bakery_32:

(50, 25726), (57, 25756), (Start: 62 @25768 has 73 MA's), (Start: 72 @25804 has 3 MA's), (Start: 81 @25828 has 4 MA's), (Start: 84 @25837 has 7 MA's), (125, 25993), (126, 25996), (133, 26047), (134, 26050), (140, 26080), (148, 26119), (158, 26170), (160, 26179), (168, 26212), (200, 26365), (206, 26404), (219, 26455), (222, 26467), (227, 26485), (229, 26497), (233, 26509), (237, 26524), (242, 26554), (243, 26557), (246, 26578), (273, 26698), (301, 26809), (310, 26842), (325, 26884), (338, 26956), (358, 27022), (392, 27205), (393, 27208), (402, 27256), (409, 27283), (414, 27310), (428, 27364), (459, 27481), (463, 27502), (467, 27529),

Gene: Baoshan_17 Start: 16814, Stop: 18547, Start Num: 74

Candidate Starts for Baoshan_17:

(Start: 74 @16814 has 53 MA's), (95, 16883), (131, 17024), (132, 17027), (139, 17057), (142, 17072), (147, 17105), (157, 17150), (171, 17204), (176, 17231), (178, 17243), (184, 17294), (185, 17300), (194, 17333), (231, 17486), (237, 17510), (238, 17519), (246, 17564), (256, 17615), (277, 17720), (289, 17777), (306, 17840), (328, 17912), (335, 17948), (365, 18047), (368, 18068), (370, 18074), (372, 18086), (382, 18149), (398, 18236), (402, 18263), (411, 18296), (422, 18347), (424, 18359), (433, 18383), (454, 18461), (458, 18479),

Gene: Barb_33 Start: 26575, Stop: 28341, Start Num: 62

Candidate Starts for Barb_33:

(50, 26533), (Start: 62 @26575 has 73 MA's), (Start: 72 @26611 has 3 MA's), (Start: 84 @26644 has 7 MA's), (133, 26854), (134, 26857), (140, 26887), (154, 26953), (158, 26977), (160, 26986), (168, 27019), (200, 27172), (206, 27211), (219, 27262), (222, 27274), (227, 27292), (229, 27304), (233, 27316), (237, 27331), (242, 27361), (243, 27364), (246, 27385), (264, 27457), (273, 27505), (301, 27616), (310, 27649), (325, 27691), (338, 27763), (358, 27829), (362, 27841), (392, 28012), (393, 28015), (402, 28063), (409, 28090), (414, 28117), (428, 28171), (459, 28288), (463, 28309), (467,

28336),

Gene: Barsten_35 Start: 30283, Stop: 32046, Start Num: 62

Candidate Starts for Barsten_35:

(57, 30265), (Start: 62 @30283 has 73 MA's), (Start: 72 @30319 has 3 MA's), (112, 30457), (131, 30553), (134, 30562), (148, 30631), (158, 30682), (169, 30727), (173, 30742), (185, 30823), (198, 30868), (200, 30877), (219, 30967), (227, 30997), (230, 31012), (237, 31036), (242, 31066), (266, 31171), (292, 31288), (298, 31306), (301, 31321), (309, 31351), (313, 31363), (315, 31366), (324, 31393), (392, 31717), (393, 31720), (402, 31768), (409, 31795), (414, 31822), (428, 31876), (439, 31903), (465, 32032),

Gene: Baudelaire_18 Start: 16306, Stop: 18069, Start Num: 61

Candidate Starts for Baudelaire_18:

(52, 16267), (53, 16282), (Start: 61 @16306 has 40 MA's), (70, 16327), (100, 16429), (103, 16444), (118, 16480), (132, 16555), (134, 16561), (138, 16579), (139, 16585), (140, 16591), (169, 16723), (176, 16756), (178, 16768), (181, 16789), (207, 16927), (226, 16996), (231, 17011), (235, 17023), (237, 17035), (238, 17044), (244, 17083), (246, 17089), (250, 17107), (255, 17137), (264, 17179), (282, 17266), (290, 17302), (298, 17329), (308, 17371), (314, 17389), (316, 17392), (317, 17395), (334, 17467), (335, 17470), (349, 17536), (354, 17548), (370, 17596), (381, 17662), (384, 17680), (390, 17722), (394, 17740), (402, 17785), (404, 17791), (426, 17887), (429, 17896), (433, 17905), (448, 17953), (449, 17956), (454, 17983), (458, 18001), (460, 18010), (462, 18022), (464, 18034), (465, 18043), (468, 18055),

Gene: Baumdotcom_34 Start: 29556, Stop: 31319, Start Num: 62

Candidate Starts for Baumdotcom_34:

(Start: 62 @29556 has 73 MA's), (Start: 72 @29592 has 3 MA's), (109, 29721), (112, 29730), (131, 29826), (134, 29835), (148, 29904), (158, 29955), (160, 29964), (169, 30000), (173, 30015), (176, 30033), (185, 30096), (198, 30141), (200, 30150), (225, 30261), (227, 30270), (230, 30285), (237, 30309), (242, 30339), (292, 30561), (298, 30579), (301, 30594), (313, 30636), (315, 30639), (324, 30666), (349, 30786), (368, 30849), (392, 30990), (393, 30993), (402, 31041), (409, 31068), (414, 31095), (428, 31149), (439, 31176), (459, 31266), (467, 31314),

Gene: Bavilard_18 Start: 16207, Stop: 17901, Start Num: 83

Candidate Starts for Bavilard_18:

(Start: 79 @16204 has 8 MA's), (Start: 83 @16207 has 67 MA's), (110, 16306), (120, 16348), (171, 16588), (184, 16675), (189, 16696), (191, 16705), (199, 16732), (206, 16777), (215, 16810), (218, 16825), (225, 16849), (233, 16882), (239, 16915), (242, 16927), (252, 16984), (260, 17014), (263, 17032), (268, 17062), (275, 17092), (291, 17155), (304, 17206), (315, 17242), (320, 17257), (326, 17275), (336, 17332), (338, 17341), (373, 17461), (375, 17473), (383, 17521), (391, 17572), (392, 17575), (396, 17593), (413, 17671), (418, 17698), (431, 17740), (465, 17887), (466, 17893),

Gene: Bazzle_18 Start: 16954, Stop: 18687, Start Num: 74

Candidate Starts for Bazzle_18:

(Start: 74 @16954 has 53 MA's), (95, 17023), (131, 17164), (132, 17167), (142, 17212), (147, 17245), (157, 17290), (171, 17344), (176, 17371), (178, 17383), (184, 17434), (185, 17440), (194, 17473), (231, 17626), (237, 17650), (238, 17659), (243, 17683), (244, 17698), (246, 17704), (256, 17755), (264, 17797), (289, 17917), (306, 17980), (328, 18052), (335, 18088), (354, 18166), (365, 18187), (368, 18208), (370, 18214), (372, 18226), (382, 18289), (398, 18376), (402, 18403), (411, 18436), (417, 18472), (422, 18487), (433, 18523), (454, 18601), (458, 18619),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 76

Candidate Starts for BeeGee_20:

(Start: 67 @17506 has 15 MA's), (Start: 76 @17530 has 17 MA's), (112, 17635), (123, 17677), (137, 17752), (158, 17866), (184, 18013), (185, 18019), (198, 18064), (232, 18202), (245, 18277), (313, 18559), (321, 18580), (336, 18655), (364, 18742), (370, 18778), (375, 18811), (376, 18817), (387, 18883), (392, 18913), (428, 19069), (431, 19075), (437, 19093), (463, 19204),

Gene: Beelzebub_54 Start: 27672, Stop: 29384, Start Num: 74

Candidate Starts for Beelzebub_54:

(56, 27609), (Start: 74 @27672 has 53 MA's), (98, 27753), (116, 27810), (132, 27891), (134, 27897), (145, 27954), (146, 27966), (150, 27978), (158, 28017), (162, 28032), (177, 28101), (184, 28155), (186, 28164), (222, 28320), (237, 28368), (238, 28377), (239, 28386), (247, 28425), (250, 28440), (264, 28503), (267, 28515), (292, 28632), (293, 28635), (306, 28686), (313, 28713), (316, 28716), (322, 28737), (331, 28779), (366, 28899), (370, 28917), (394, 29061), (402, 29106), (406, 29124), (426, 29208), (429, 29217), (438, 29235), (442, 29256), (454, 29301), (455, 29307), (458, 29319), (461, 29331), (463, 29343), (466, 29367), (468, 29373),

Gene: Bellis_19 Start: 17375, Stop: 19138, Start Num: 61

Candidate Starts for Bellis_19:

(Start: 61 @17375 has 40 MA's), (70, 17402), (91, 17465), (102, 17513), (103, 17519), (118, 17555), (132, 17630), (138, 17654), (139, 17660), (150, 17717), (176, 17831), (178, 17843), (200, 17954), (235, 18098), (237, 18110), (243, 18143), (244, 18158), (282, 18332), (284, 18338), (298, 18395), (308, 18437), (311, 18446), (316, 18458), (334, 18533), (349, 18602), (354, 18614), (370, 18662), (381, 18728), (394, 18806), (402, 18851), (415, 18908), (433, 18971), (441, 19007), (448, 19022), (454, 19052), (455, 19058), (458, 19070), (460, 19079), (462, 19091),

Gene: Bernal13_19 Start: 16980, Stop: 18686, Start Num: 74

Candidate Starts for Bernal13_19:

(45, 16872), (49, 16884), (Start: 74 @16980 has 53 MA's), (95, 17046), (120, 17121), (122, 17127), (138, 17211), (147, 17265), (157, 17310), (158, 17313), (174, 17379), (237, 17664), (282, 17886), (331, 18075), (370, 18213), (372, 18225), (402, 18402), (411, 18438), (454, 18603), (460, 18630), (466, 18669), (468, 18675),

Gene: Bibwit_34 Start: 30470, Stop: 32233, Start Num: 62

Candidate Starts for Bibwit_34:

(57, 30452), (Start: 62 @30470 has 73 MA's), (Start: 72 @30506 has 3 MA's), (112, 30644), (131, 30740), (134, 30749), (148, 30818), (158, 30869), (169, 30914), (173, 30929), (185, 31010), (198, 31055), (200, 31064), (219, 31154), (227, 31184), (230, 31199), (233, 31208), (237, 31223), (242, 31253), (292, 31475), (298, 31493), (301, 31508), (309, 31538), (313, 31550), (315, 31553), (324, 31580), (392, 31904), (393, 31907), (402, 31955), (409, 31982), (414, 32009), (428, 32063), (437, 32087), (439, 32090), (459, 32180), (467, 32228),

Gene: BigCheese_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for BigCheese_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 83

Candidate Starts for BigChungus_17:

(Start: 79 @15458 has 8 MA's), (Start: 83 @15461 has 67 MA's), (110, 15560), (120, 15602), (134, 15671), (171, 15842), (184, 15929), (189, 15950), (191, 15959), (199, 15986), (206, 16031), (215,

16064), (218, 16079), (225, 16103), (233, 16136), (239, 16169), (242, 16181), (252, 16238), (263, 16286), (268, 16316), (275, 16346), (291, 16409), (304, 16460), (315, 16496), (320, 16511), (326, 16529), (336, 16586), (338, 16595), (373, 16715), (375, 16727), (383, 16775), (391, 16826), (392, 16829), (396, 16847), (413, 16925), (416, 16940), (418, 16952), (431, 16994), (465, 17141), (466, 17147),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 83

Candidate Starts for BillDoor_20:

(Start: 79 @15362 has 8 MA's), (Start: 83 @15365 has 67 MA's), (110, 15467), (113, 15479), (133, 15575), (151, 15659), (171, 15749), (181, 15809), (184, 15836), (191, 15866), (192, 15869), (206, 15938), (215, 15971), (217, 15983), (218, 15986), (224, 16007), (225, 16010), (239, 16076), (242, 16088), (275, 16253), (315, 16403), (320, 16418), (326, 16436), (336, 16493), (375, 16634), (376, 16640), (379, 16652), (380, 16661), (391, 16733), (392, 16736), (394, 16742), (396, 16754), (416, 16847), (418, 16859), (420, 16868), (431, 16901),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 79

Candidate Starts for Biskit_19:

(Start: 67 @15350 has 15 MA's), (Start: 79 @15377 has 8 MA's), (Start: 83 @15380 has 67 MA's), (133, 15590), (169, 15758), (171, 15764), (189, 15872), (191, 15881), (199, 15908), (205, 15938), (206, 15953), (215, 15986), (217, 15998), (227, 16034), (239, 16091), (242, 16103), (275, 16268), (315, 16418), (320, 16433), (326, 16451), (336, 16508), (373, 16637), (375, 16649), (379, 16667), (380, 16676), (391, 16748), (392, 16751), (394, 16757), (396, 16769), (418, 16874), (420, 16883), (431, 16916),

Gene: Bizzy_35 Start: 29879, Stop: 31642, Start Num: 62

Candidate Starts for Bizzy_35:

(Start: 62 @29879 has 73 MA's), (Start: 72 @29915 has 3 MA's), (109, 30044), (112, 30053), (131, 30149), (134, 30158), (148, 30227), (158, 30278), (169, 30323), (173, 30338), (176, 30356), (185, 30419), (198, 30464), (200, 30473), (225, 30584), (227, 30593), (230, 30608), (233, 30617), (237, 30632), (242, 30662), (292, 30884), (298, 30902), (301, 30917), (313, 30959), (315, 30962), (324, 30989), (349, 31109), (392, 31313), (393, 31316), (402, 31364), (409, 31391), (414, 31418), (428, 31472), (439, 31499),

Gene: Blackbeetle_50 Start: 26718, Stop: 28430, Start Num: 74

Candidate Starts for Blackbeetle_50:

(56, 26655), (Start: 74 @26718 has 53 MA's), (98, 26799), (116, 26856), (132, 26937), (134, 26943), (145, 27000), (146, 27012), (150, 27024), (158, 27063), (162, 27078), (177, 27147), (184, 27201), (186, 27210), (222, 27366), (237, 27414), (238, 27423), (239, 27432), (247, 27471), (250, 27486), (264, 27549), (267, 27561), (292, 27678), (293, 27681), (306, 27732), (313, 27759), (316, 27762), (322, 27783), (331, 27825), (366, 27945), (370, 27963), (394, 28107), (402, 28152), (406, 28170), (426, 28254), (429, 28263), (438, 28281), (442, 28302), (454, 28347), (455, 28353), (458, 28365), (461, 28377), (463, 28389), (466, 28413), (468, 28419),

Gene: Blarby_20 Start: 14264, Stop: 15928, Start Num: 84

Candidate Starts for Blarby_20:

(Start: 84 @14264 has 7 MA's), (104, 14345), (113, 14375), (121, 14408), (134, 14474), (142, 14513), (143, 14525), (150, 14549), (161, 14606), (163, 14609), (169, 14639), (170, 14642), (179, 14687), (181, 14705), (186, 14741), (198, 14783), (227, 14915), (229, 14927), (230, 14930), (233, 14939), (239, 14972), (242, 14984), (246, 15008), (315, 15281), (319, 15293), (333, 15338), (336, 15359), (391, 15599), (392, 15602), (393, 15605), (431, 15767), (440, 15791), (453, 15851), (465, 15914),

Gene: Blondies_18 Start: 15363, Stop: 17060, Start Num: 83

Candidate Starts for Blondies_18:

(Start: 67 @15333 has 15 MA's), (Start: 79 @15360 has 8 MA's), (Start: 83 @15363 has 67 MA's), (133, 15573), (169, 15741), (171, 15747), (181, 15807), (189, 15855), (191, 15864), (199, 15891), (205, 15921), (206, 15936), (215, 15969), (217, 15981), (227, 16017), (239, 16074), (242, 16086), (275, 16251), (315, 16401), (320, 16416), (326, 16434), (336, 16491), (373, 16620), (375, 16632), (379, 16650), (380, 16659), (391, 16731), (392, 16734), (394, 16740), (396, 16752), (418, 16857), (420, 16866), (431, 16899),

Gene: BobBob_32 Start: 29751, Stop: 31514, Start Num: 62

Candidate Starts for BobBob_32:

(57, 29733), (Start: 62 @29751 has 73 MA's), (Start: 72 @29787 has 3 MA's), (112, 29925), (131, 30021), (134, 30030), (148, 30099), (158, 30150), (169, 30195), (173, 30210), (185, 30291), (198, 30336), (200, 30345), (219, 30435), (227, 30465), (230, 30480), (237, 30504), (242, 30534), (266, 30639), (292, 30756), (298, 30774), (301, 30789), (309, 30819), (313, 30831), (315, 30834), (324, 30861), (392, 31185), (393, 31188), (402, 31236), (409, 31263), (414, 31290), (428, 31344), (439, 31371), (467, 31509),

Gene: BobsGarage_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for BobsGarage_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Bongo_28 Start: 22368, Stop: 24104, Start Num: 67

Candidate Starts for Bongo_28:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079), (259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: BotCity_21 Start: 16426, Stop: 18123, Start Num: 83

Candidate Starts for BotCity_21:

(Start: 67 @16387 has 15 MA's), (Start: 83 @16426 has 67 MA's), (Start: 87 @16438 has 1 MA's), (105, 16516), (112, 16537), (125, 16585), (127, 16594), (132, 16636), (140, 16672), (153, 16729), (156, 16750), (163, 16777), (168, 16804), (196, 16945), (206, 17002), (213, 17029), (215, 17035), (227, 17083), (236, 17113), (241, 17149), (246, 17176), (247, 17179), (258, 17230), (264, 17257), (265, 17260), (269, 17287), (275, 17314), (294, 17386), (303, 17425), (325, 17479), (333, 17521), (350, 17596), (368, 17659), (373, 17686), (376, 17704), (390, 17788), (391, 17797), (392, 17800), (394, 17806), (397, 17821), (402, 17851), (404, 17857), (409, 17878), (410, 17881), (421, 17935), (431, 17965), (434, 17974), (450, 18025), (456, 18058), (459, 18070), (462, 18088),

Gene: BourbonZero_18 Start: 17371, Stop: 19134, Start Num: 61

Candidate Starts for BourbonZero_18:

(Start: 61 @17371 has 40 MA's), (70, 17398), (91, 17461), (102, 17509), (103, 17515), (118, 17551), (132, 17626), (150, 17713), (176, 17827), (178, 17839), (200, 17950), (235, 18094), (237, 18106), (239, 18124), (243, 18139), (282, 18328), (284, 18334), (298, 18391), (308, 18433), (311, 18442), (316, 18454), (334, 18529), (349, 18598), (354, 18610), (370, 18658), (381, 18724), (394, 18802), (402, 18847), (413, 18892), (415, 18904), (433, 18967), (441, 19003), (448, 19018), (454, 19048), (455, 19054), (458, 19066), (460, 19075), (462, 19087),

Gene: Bowser_19 Start: 16618, Stop: 18348, Start Num: 80

Candidate Starts for Bowser_19:

(46, 16501), (Start: 67 @16585 has 15 MA's), (Start: 72 @16597 has 3 MA's), (Start: 80 @16618 has 5 MA's), (138, 16855), (143, 16888), (185, 17101), (203, 17173), (209, 17215), (219, 17251), (227, 17281), (233, 17305), (241, 17347), (246, 17374), (247, 17377), (259, 17431), (261, 17437), (279, 17524), (355, 17815), (356, 17818), (376, 17926), (392, 18022), (396, 18040), (409, 18100), (421, 18157), (434, 18196), (436, 18199), (440, 18211), (457, 18286), (462, 18313),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 76

Candidate Starts for Bradissa_20:

(Start: 67 @17689 has 15 MA's), (Start: 76 @17713 has 17 MA's), (96, 17761), (112, 17818), (123, 17860), (158, 18049), (184, 18196), (185, 18202), (198, 18247), (232, 18385), (245, 18460), (313, 18742), (321, 18763), (336, 18838), (364, 18925), (370, 18961), (375, 18994), (376, 19000), (387, 19066), (392, 19096), (428, 19252), (431, 19258), (437, 19276), (463, 19387),

Gene: BrainDrainer_19 Start: 16711, Stop: 18474, Start Num: 61

Candidate Starts for BrainDrainer_19:

(Start: 61 @16711 has 40 MA's), (103, 16852), (131, 16960), (132, 16963), (175, 17161), (176, 17164), (178, 17176), (181, 17197), (203, 17305), (207, 17335), (237, 17443), (243, 17476), (244, 17491), (249, 17512), (282, 17668), (298, 17731), (308, 17773), (311, 17782), (316, 17794), (328, 17836), (335, 17872), (370, 17998), (375, 18031), (391, 18133), (394, 18142), (398, 18160), (402, 18187), (415, 18244), (424, 18283), (433, 18307), (441, 18343), (448, 18358), (454, 18388), (460, 18415), (462, 18427), (465, 18448),

Gene: Brandonk123_36 Start: 30817, Stop: 32580, Start Num: 62

Candidate Starts for Brandonk123_36:

(57, 30799), (Start: 62 @30817 has 73 MA's), (Start: 72 @30853 has 3 MA's), (112, 30991), (131, 31087), (134, 31096), (148, 31165), (158, 31216), (169, 31261), (173, 31276), (185, 31357), (198, 31402), (200, 31411), (219, 31501), (227, 31531), (230, 31546), (237, 31570), (242, 31600), (292, 31822), (298, 31840), (301, 31855), (309, 31885), (313, 31897), (315, 31900), (324, 31927), (392, 32251), (393, 32254), (402, 32302), (409, 32329), (414, 32356), (428, 32410), (439, 32437), (467, 32575),

Gene: Breezona_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Breezona_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Bricole_28 Start: 22354, Stop: 24090, Start Num: 67

Candidate Starts for Bricole_28:

(34, 22132), (Start: 55 @22312 has 3 MA's), (Start: 58 @22327 has 2 MA's), (Start: 67 @22354 has 15 MA's), (75, 22369), (89, 22408), (95, 22438), (97, 22444), (100, 22456), (129, 22561), (131, 22576), (140, 22615), (166, 22738), (169, 22747), (184, 22843), (195, 22885), (196, 22888), (199, 22900), (237, 23065), (259, 23176), (264, 23203), (278, 23275), (279, 23284), (280, 23287), (283, 23299), (314, 23419), (316, 23422), (328, 23464), (333, 23494), (335, 23500), (368, 23620), (370, 23626), (448, 23980), (454, 24007), (458, 24025), (460, 24034),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 67

Candidate Starts for BritBrat_20:

(Start: 67 @17542 has 15 MA's), (Start: 76 @17566 has 17 MA's), (112, 17671), (123, 17713), (137, 17788), (158, 17902), (184, 18049), (185, 18055), (198, 18100), (232, 18238), (245, 18313), (313, 18595), (321, 18616), (336, 18691), (364, 18778), (370, 18814), (375, 18847), (376, 18853), (387, 18919), (392, 18949), (428, 19105), (431, 19111), (437, 19129), (463, 19240),

Gene: Bromden_19 Start: 17040, Stop: 18803, Start Num: 61

Candidate Starts for Bromden_19:

(Start: 61 @17040 has 40 MA's), (103, 17181), (116, 17211), (131, 17289), (132, 17292), (175, 17490), (176, 17493), (178, 17505), (203, 17634), (207, 17664), (212, 17685), (237, 17772), (238, 17781), (244, 17820), (249, 17841), (282, 17997), (298, 18060), (308, 18102), (311, 18111), (316, 18123), (335, 18201), (370, 18327), (375, 18360), (391, 18462), (394, 18471), (398, 18489), (402, 18516), (415, 18573), (433, 18636), (441, 18672), (448, 18687), (454, 18717), (460, 18744), (462, 18756), (465, 18777),

Gene: Budski_20 Start: 16421, Stop: 18118, Start Num: 83

Candidate Starts for Budski_20:

(Start: 67 @16382 has 15 MA's), (Start: 83 @16421 has 67 MA's), (Start: 87 @16433 has 1 MA's), (96, 16472), (105, 16511), (112, 16532), (125, 16580), (127, 16589), (132, 16631), (140, 16667), (153, 16724), (163, 16772), (168, 16799), (196, 16940), (206, 16997), (209, 17015), (213, 17024), (215, 17030), (227, 17078), (236, 17108), (241, 17144), (243, 17150), (246, 17171), (247, 17174), (258, 17225), (264, 17252), (265, 17255), (269, 17282), (275, 17309), (294, 17381), (303, 17420), (325, 17474), (333, 17516), (350, 17591), (368, 17654), (373, 17681), (374, 17684), (376, 17699), (390, 17783), (391, 17792), (392, 17795), (394, 17801), (396, 17813), (397, 17816), (402, 17846), (404, 17852), (409, 17873), (410, 17876), (421, 17930), (431, 17960), (434, 17969), (450, 18020), (456, 18053), (459, 18065), (462, 18083),

Gene: Bunker_19 Start: 16748, Stop: 18478, Start Num: 81

Candidate Starts for Bunker_19:

(46, 16628), (Start: 67 @16712 has 15 MA's), (Start: 81 @16748 has 4 MA's), (143, 17018), (163, 17102), (203, 17303), (209, 17345), (219, 17381), (227, 17411), (233, 17435), (241, 17477), (246, 17504), (247, 17507), (259, 17561), (261, 17567), (279, 17654), (356, 17948), (369, 18014), (373, 18038), (376, 18056), (392, 18152), (396, 18170), (436, 18329), (457, 18416), (458, 18422), (462, 18443),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 79

Candidate Starts for Burnsey_18:

(Start: 67 @15703 has 15 MA's), (Start: 79 @15730 has 8 MA's), (Start: 83 @15733 has 67 MA's), (133, 15943), (158, 16066), (171, 16117), (184, 16204), (186, 16213), (191, 16234), (196, 16249), (199, 16261), (215, 16339), (217, 16351), (225, 16378), (233, 16411), (239, 16444), (242, 16456), (250, 16498), (275, 16621), (294, 16693), (315, 16771), (320, 16786), (326, 16804), (336, 16861), (367, 16954), (373, 16990), (375, 17002), (376, 17008), (379, 17020), (380, 17029), (391, 17101), (392, 17104), (394, 17110), (396, 17122), (409, 17182), (418, 17227), (420, 17236), (431, 17269), (452, 17335),

Gene: Button_19 Start: 14787, Stop: 16475, Start Num: 83

Candidate Starts for Button_19:

(16, 14367), (Start: 67 @14757 has 15 MA's), (Start: 79 @14784 has 8 MA's), (Start: 83 @14787 has 67 MA's), (120, 14928), (140, 15027), (150, 15072), (184, 15255), (191, 15285), (202, 15327), (206, 15357), (215, 15387), (217, 15399), (218, 15402), (239, 15492), (251, 15558), (254, 15573), (263, 15609), (267, 15624), (269, 15642), (279, 15681), (281, 15687), (302, 15771), (312, 15807), (313, 15810), (315, 15813), (320, 15828), (326, 15846), (327, 15849), (336, 15903), (373, 16032), (375, 16044), (376, 16050), (378, 16059), (380, 16071), (391, 16143), (392, 16146), (393, 16149), (413,

16245), (431, 16314), (434, 16323), (464, 16452), (465, 16461), (466, 16467),

Gene: Buttrmlkdreams_18 Start: 15362, Stop: 17059, Start Num: 83

Candidate Starts for Buttrmlkdreams_18:

(Start: 67 @15332 has 15 MA's), (Start: 79 @15359 has 8 MA's), (Start: 83 @15362 has 67 MA's), (133, 15572), (169, 15740), (171, 15746), (181, 15806), (189, 15854), (191, 15863), (199, 15890), (205, 15920), (206, 15935), (215, 15968), (217, 15980), (227, 16016), (239, 16073), (242, 16085), (267, 16205), (270, 16226), (275, 16250), (315, 16400), (320, 16415), (326, 16433), (336, 16490), (373, 16619), (375, 16631), (379, 16649), (380, 16658), (391, 16730), (392, 16733), (394, 16739), (396, 16751), (418, 16856), (420, 16865), (431, 16898),

Gene: Cafasso_19 Start: 16548, Stop: 18212, Start Num: 86

Candidate Starts for Cafasso_19:

(Start: 80 @16533 has 5 MA's), (Start: 86 @16548 has 11 MA's), (88, 16554), (94, 16584), (97, 16593), (153, 16827), (158, 16860), (170, 16908), (183, 16983), (191, 17028), (209, 17118), (215, 17133), (231, 17187), (234, 17196), (239, 17229), (245, 17262), (247, 17268), (302, 17502), (306, 17514), (313, 17541), (324, 17574), (331, 17613), (334, 17622), (348, 17694), (359, 17709), (367, 17733), (375, 17781), (389, 17868), (394, 17889), (407, 17955), (421, 18021), (437, 18069), (459, 18159), (467, 18207),

Gene: Calm_18 Start: 16760, Stop: 18529, Start Num: 61

Candidate Starts for Calm_18:

(Start: 47 @16697 has 1 MA's), (52, 16718), (53, 16733), (Start: 61 @16760 has 40 MA's), (91, 16853), (102, 16901), (103, 16907), (115, 16934), (116, 16937), (118, 16943), (131, 17015), (134, 17024), (139, 17048), (142, 17063), (146, 17093), (176, 17219), (177, 17228), (180, 17249), (182, 17264), (198, 17333), (205, 17369), (207, 17390), (226, 17459), (237, 17498), (264, 17636), (267, 17648), (282, 17723), (284, 17729), (287, 17747), (298, 17786), (306, 17819), (308, 17828), (311, 17837), (314, 17846), (342, 17969), (354, 18005), (370, 18053), (372, 18065), (381, 18119), (398, 18215), (400, 18233), (401, 18239), (402, 18242), (411, 18275), (415, 18299), (433, 18362), (444, 18404), (454, 18443), (458, 18461), (462, 18482), (465, 18503),

Gene: CanesSauce_18 Start: 15395, Stop: 17095, Start Num: 79

Candidate Starts for CanesSauce_18:

(Start: 79 @15395 has 8 MA's), (Start: 83 @15398 has 67 MA's), (110, 15500), (113, 15512), (133, 15608), (151, 15692), (171, 15782), (181, 15842), (184, 15869), (191, 15899), (192, 15902), (206, 15971), (215, 16004), (217, 16016), (218, 16019), (224, 16040), (225, 16043), (239, 16109), (242, 16121), (275, 16286), (315, 16436), (320, 16451), (326, 16469), (336, 16526), (375, 16667), (376, 16673), (379, 16685), (380, 16694), (391, 16766), (392, 16769), (394, 16775), (396, 16787), (418, 16892), (420, 16901), (431, 16934),

Gene: Caprice_47 Start: 26788, Stop: 28500, Start Num: 74

Candidate Starts for Caprice_47:

(56, 26725), (Start: 74 @26788 has 53 MA's), (98, 26869), (116, 26926), (132, 27007), (134, 27013), (145, 27070), (146, 27082), (150, 27094), (158, 27133), (162, 27148), (177, 27217), (184, 27271), (186, 27280), (222, 27436), (237, 27484), (238, 27493), (239, 27502), (247, 27541), (250, 27556), (264, 27619), (267, 27631), (292, 27748), (293, 27751), (306, 27802), (313, 27829), (316, 27832), (322, 27853), (331, 27895), (366, 28015), (370, 28033), (394, 28177), (402, 28222), (406, 28240), (426, 28324), (429, 28333), (438, 28351), (442, 28372), (454, 28417), (455, 28423), (458, 28435), (461, 28447), (464, 28468),

Gene: Carsonalex_19 Start: 15787, Stop: 17487, Start Num: 79

Candidate Starts for Carsonalex_19:

(Start: 79 @15787 has 8 MA's), (Start: 83 @15790 has 67 MA's), (133, 16000), (158, 16123), (171, 16174), (184, 16261), (196, 16306), (199, 16318), (215, 16396), (217, 16408), (225, 16435), (233, 16468), (239, 16501), (242, 16513), (250, 16555), (275, 16678), (294, 16750), (315, 16828), (320, 16843), (326, 16861), (336, 16918), (367, 17011), (373, 17047), (375, 17059), (376, 17065), (379, 17077), (380, 17086), (391, 17158), (392, 17161), (394, 17167), (396, 17179), (409, 17239), (418, 17284), (420, 17293), (431, 17326), (452, 17392),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 76

Candidate Starts for Cashline_20:

(Start: 67 @17366 has 15 MA's), (Start: 76 @17390 has 17 MA's), (123, 17537), (137, 17612), (158, 17726), (184, 17873), (185, 17879), (232, 18062), (245, 18137), (313, 18419), (321, 18440), (336, 18515), (364, 18602), (370, 18638), (375, 18671), (376, 18677), (387, 18743), (392, 18773), (428, 18929), (431, 18935), (437, 18953), (463, 19064),

Gene: ChadMasterC_35 Start: 31682, Stop: 33445, Start Num: 62

Candidate Starts for ChadMasterC_35:

(57, 31664), (Start: 62 @31682 has 73 MA's), (Start: 72 @31718 has 3 MA's), (112, 31856), (131, 31952), (134, 31961), (148, 32030), (158, 32081), (169, 32126), (185, 32222), (198, 32267), (200, 32276), (219, 32366), (227, 32396), (230, 32411), (237, 32435), (242, 32465), (266, 32570), (292, 32687), (298, 32705), (301, 32720), (309, 32750), (313, 32762), (315, 32765), (324, 32792), (392, 33116), (393, 33119), (402, 33167), (409, 33194), (414, 33221), (428, 33275), (439, 33302), (465, 33431),

Gene: Charming_35 Start: 30317, Stop: 32080, Start Num: 62

Candidate Starts for Charming_35:

(57, 30299), (Start: 62 @30317 has 73 MA's), (Start: 72 @30353 has 3 MA's), (112, 30491), (131, 30587), (134, 30596), (148, 30665), (158, 30716), (169, 30761), (173, 30776), (185, 30857), (198, 30902), (200, 30911), (219, 31001), (220, 31004), (227, 31031), (230, 31046), (237, 31070), (242, 31100), (292, 31322), (298, 31340), (301, 31355), (309, 31385), (313, 31397), (315, 31400), (324, 31427), (391, 31748), (392, 31751), (393, 31754), (402, 31802), (409, 31829), (414, 31856), (428, 31910), (437, 31934), (439, 31937), (467, 32075),

Gene: Chaser_18 Start: 16640, Stop: 18403, Start Num: 61

Candidate Starts for Chaser_18:

(Start: 61 @16640 has 40 MA's), (103, 16781), (131, 16889), (132, 16892), (175, 17090), (176, 17093), (178, 17105), (181, 17126), (203, 17234), (207, 17264), (237, 17372), (244, 17420), (249, 17441), (282, 17597), (298, 17660), (308, 17702), (311, 17711), (316, 17723), (328, 17765), (370, 17927), (375, 17960), (391, 18062), (394, 18071), (402, 18116), (415, 18173), (424, 18212), (433, 18236), (441, 18272), (448, 18287), (454, 18317), (460, 18344), (462, 18356), (465, 18377),

Gene: Che9d_19 Start: 13752, Stop: 15416, Start Num: 84

Candidate Starts for Che9d_19:

(Start: 84 @13752 has 7 MA's), (104, 13833), (113, 13863), (118, 13884), (121, 13896), (134, 13962), (142, 14001), (143, 14013), (150, 14037), (161, 14094), (163, 14097), (167, 14121), (169, 14127), (170, 14130), (179, 14175), (181, 14193), (186, 14229), (209, 14340), (220, 14376), (227, 14403), (229, 14415), (230, 14418), (233, 14427), (239, 14460), (242, 14472), (246, 14496), (307, 14742), (315, 14769), (319, 14781), (335, 14832), (336, 14847), (349, 14901), (363, 14928), (392, 15090), (393, 15093), (394, 15096), (418, 15213), (431, 15255), (453, 15339), (463, 15384), (465, 15402),

Gene: CheeseTouch_20 Start: 16421, Stop: 18118, Start Num: 83

Candidate Starts for CheeseTouch_20:

(Start: 67 @16382 has 15 MA's), (Start: 83 @16421 has 67 MA's), (Start: 87 @16433 has 1 MA's), (105, 16511), (112, 16532), (125, 16580), (127, 16589), (132, 16631), (140, 16667), (153, 16724),

(163, 16772), (168, 16799), (206, 16997), (209, 17015), (213, 17024), (215, 17030), (227, 17078), (236, 17108), (241, 17144), (246, 17171), (247, 17174), (258, 17225), (265, 17255), (269, 17282), (275, 17309), (294, 17381), (303, 17420), (325, 17474), (333, 17516), (350, 17591), (368, 17654), (373, 17681), (374, 17684), (376, 17699), (390, 17783), (391, 17792), (392, 17795), (394, 17801), (396, 17813), (397, 17816), (402, 17846), (404, 17852), (409, 17873), (410, 17876), (421, 17930), (431, 17960), (434, 17969), (450, 18020), (456, 18053), (459, 18065), (462, 18083),

Gene: CherryCola_35 Start: 26753, Stop: 28561, Start Num: 50

Candidate Starts for CherryCola_35:

(50, 26753), (Start: 62 @26795 has 73 MA's), (Start: 72 @26831 has 3 MA's), (Start: 84 @26864 has 7 MA's), (133, 27074), (134, 27077), (140, 27107), (154, 27173), (158, 27197), (160, 27206), (168, 27239), (200, 27392), (206, 27431), (219, 27482), (222, 27494), (227, 27512), (229, 27524), (233, 27536), (237, 27551), (242, 27581), (243, 27584), (246, 27605), (264, 27677), (292, 27803), (301, 27836), (310, 27869), (324, 27908), (325, 27911), (338, 27983), (358, 28049), (362, 28061), (392, 28232), (395, 28244), (396, 28250), (402, 28283), (409, 28310), (414, 28337), (428, 28391), (459, 28508), (463, 28529), (467, 28556),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 79

Candidate Starts for CherryonLim_19:

(Start: 79 @16167 has 8 MA's), (Start: 83 @16170 has 67 MA's), (110, 16269), (120, 16311), (127, 16332), (171, 16551), (191, 16668), (199, 16695), (206, 16740), (209, 16758), (215, 16773), (218, 16788), (233, 16845), (239, 16878), (242, 16890), (260, 16977), (263, 16995), (268, 17025), (275, 17055), (280, 17070), (291, 17118), (304, 17169), (315, 17205), (320, 17220), (326, 17238), (336, 17295), (373, 17424), (375, 17436), (391, 17535), (392, 17538), (396, 17556), (413, 17634), (418, 17661), (431, 17703), (465, 17850), (466, 17856),

Gene: ChickenTender_20 Start: 15797, Stop: 17494, Start Num: 83

Candidate Starts for ChickenTender_20:

(Start: 79 @15794 has 8 MA's), (Start: 83 @15797 has 67 MA's), (133, 16007), (171, 16181), (181, 16241), (184, 16268), (191, 16298), (192, 16301), (198, 16319), (199, 16325), (205, 16355), (215, 16403), (217, 16415), (225, 16442), (239, 16508), (242, 16520), (268, 16655), (275, 16685), (294, 16757), (315, 16835), (320, 16850), (326, 16868), (336, 16925), (375, 17066), (376, 17072), (379, 17084), (380, 17093), (391, 17165), (392, 17168), (394, 17174), (396, 17186), (409, 17246), (416, 17279), (418, 17291), (420, 17300), (431, 17333), (452, 17399), (462, 17459),

Gene: ChocoMunchkin_18 Start: 15395, Stop: 17095, Start Num: 79

Candidate Starts for ChocoMunchkin_18:

(Start: 79 @15395 has 8 MA's), (Start: 83 @15398 has 67 MA's), (110, 15500), (113, 15512), (133, 15608), (151, 15692), (171, 15782), (181, 15842), (184, 15869), (191, 15899), (192, 15902), (206, 15971), (215, 16004), (217, 16016), (218, 16019), (224, 16040), (225, 16043), (239, 16109), (242, 16121), (275, 16286), (315, 16436), (320, 16451), (326, 16469), (336, 16526), (375, 16667), (376, 16673), (379, 16685), (380, 16694), (391, 16766), (392, 16769), (394, 16775), (396, 16787), (418, 16892), (420, 16901), (431, 16934),

Gene: CicholasNage_18 Start: 16748, Stop: 18517, Start Num: 61

Candidate Starts for CicholasNage_18:

(Start: 47 @16685 has 1 MA's), (52, 16706), (53, 16721), (Start: 61 @16748 has 40 MA's), (91, 16841), (102, 16889), (103, 16895), (115, 16922), (116, 16925), (118, 16931), (131, 17003), (134, 17012), (139, 17036), (142, 17051), (146, 17081), (176, 17207), (177, 17216), (180, 17237), (182, 17252), (198, 17321), (205, 17357), (207, 17378), (226, 17447), (237, 17486), (264, 17624), (267, 17636), (282, 17711), (284, 17717), (287, 17735), (298, 17774), (306, 17807), (308, 17816), (311, 17825), (314, 17834), (342, 17957), (354, 17993), (370, 18041), (372, 18053), (381, 18107), (398, 18203), (400, 18221), (401, 18227), (402, 18230), (411, 18263), (415, 18287), (433, 18350), (444, 18392),

(454, 18431), (458, 18449), (462, 18470), (465, 18491),

Gene: ClamChowder_33 Start: 26575, Stop: 28341, Start Num: 62

Candidate Starts for ClamChowder_33:

(50, 26533), (Start: 62 @26575 has 73 MA's), (Start: 72 @26611 has 3 MA's), (Start: 84 @26644 has 7 MA's), (133, 26854), (134, 26857), (140, 26887), (154, 26953), (158, 26977), (160, 26986), (168, 27019), (200, 27172), (206, 27211), (219, 27262), (222, 27274), (227, 27292), (229, 27304), (233, 27316), (237, 27331), (242, 27361), (243, 27364), (246, 27385), (264, 27457), (273, 27505), (301, 27616), (310, 27649), (325, 27691), (338, 27763), (358, 27829), (362, 27841), (392, 28012), (393, 28015), (402, 28063), (409, 28090), (414, 28117), (428, 28171), (459, 28288), (463, 28309), (467, 28336),

Gene: Clarkson_51 Start: 27400, Stop: 29112, Start Num: 74

Candidate Starts for Clarkson_51:

(56, 27337), (Start: 74 @27400 has 53 MA's), (98, 27481), (116, 27538), (132, 27619), (134, 27625), (145, 27682), (146, 27694), (150, 27706), (158, 27745), (162, 27760), (177, 27829), (184, 27883), (186, 27892), (222, 28048), (237, 28096), (238, 28105), (239, 28114), (247, 28153), (250, 28168), (264, 28231), (267, 28243), (292, 28360), (306, 28414), (313, 28441), (316, 28444), (322, 28465), (331, 28507), (366, 28627), (370, 28645), (394, 28789), (402, 28834), (406, 28852), (426, 28936), (429, 28945), (438, 28963), (442, 28984), (454, 29029), (455, 29035), (458, 29047), (461, 29059), (463, 29071), (466, 29095), (468, 29101),

Gene: Claus_18 Start: 16970, Stop: 18703, Start Num: 74

Candidate Starts for Claus_18:

(Start: 74 @16970 has 53 MA's), (95, 17039), (131, 17180), (132, 17183), (139, 17213), (142, 17228), (147, 17261), (157, 17306), (171, 17360), (176, 17387), (178, 17399), (184, 17450), (185, 17456), (194, 17489), (231, 17642), (237, 17666), (238, 17675), (246, 17720), (256, 17771), (289, 17933), (306, 17996), (328, 18068), (335, 18104), (365, 18203), (368, 18224), (370, 18230), (372, 18242), (382, 18305), (398, 18392), (402, 18419), (411, 18452), (417, 18488), (422, 18503), (424, 18515), (433, 18539), (454, 18617), (458, 18635),

Gene: Clautastrophe_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for Clautastrophe_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (138, 17652), (139, 17658), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726), (394, 18804), (402, 18849), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 83

Candidate Starts for Cleo_18:

(Start: 83 @15991 has 67 MA's), (113, 16105), (121, 16138), (163, 16339), (171, 16375), (184, 16462), (206, 16564), (215, 16597), (217, 16609), (218, 16612), (233, 16669), (239, 16702), (243, 16717), (248, 16744), (254, 16783), (263, 16819), (265, 16825), (275, 16879), (282, 16903), (291, 16942), (293, 16948), (313, 17020), (320, 17038), (324, 17047), (326, 17056), (336, 17113), (339, 17131), (373, 17242), (375, 17254), (380, 17281), (391, 17353), (392, 17356), (413, 17452), (418, 17479), (423, 17503), (431, 17521),

Gene: Clown_35 Start: 28603, Stop: 30369, Start Num: 62

Candidate Starts for Clown_35:

(48, 28540), (Start: 62 @28603 has 73 MA's), (Start: 84 @28672 has 7 MA's), (133, 28882), (134, 28885), (135, 28888), (140, 28915), (154, 28981), (158, 29005), (160, 29014), (187, 29152), (197,

29188), (227, 29320), (229, 29332), (233, 29344), (237, 29359), (242, 29389), (246, 29413), (250, 29431), (264, 29485), (273, 29533), (274, 29536), (287, 29593), (292, 29611), (301, 29644), (310, 29677), (313, 29686), (317, 29692), (338, 29791), (358, 29857), (392, 30040), (393, 30043), (395, 30052), (402, 30091), (409, 30118), (414, 30145), (416, 30151), (428, 30199), (431, 30205), (439, 30226), (459, 30316), (463, 30337),

Gene: Colleen_19 Start: 17425, Stop: 19089, Start Num: 82

Candidate Starts for Colleen_19:

(Start: 82 @17425 has 4 MA's), (92, 17458), (153, 17716), (169, 17794), (191, 17917), (194, 17926), (195, 17929), (198, 17938), (200, 17947), (235, 18088), (237, 18100), (246, 18154), (276, 18289), (285, 18322), (288, 18340), (291, 18352), (296, 18367), (313, 18427), (321, 18448), (324, 18457), (336, 18523), (343, 18556), (352, 18586), (359, 18592), (361, 18595), (375, 18664), (391, 18763), (394, 18772), (430, 18928), (434, 18940),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 76

Candidate Starts for Confidence_20:

(Start: 67 @17536 has 15 MA's), (Start: 76 @17560 has 17 MA's), (112, 17665), (123, 17707), (137, 17782), (158, 17896), (184, 18043), (185, 18049), (232, 18232), (245, 18307), (293, 18514), (313, 18589), (321, 18610), (336, 18685), (364, 18772), (370, 18808), (371, 18817), (375, 18841), (376, 18847), (387, 18913), (392, 18943), (428, 19099), (431, 19105), (437, 19123), (463, 19234),

Gene: Corazon_48 Start: 27353, Stop: 29065, Start Num: 74

Candidate Starts for Corazon_48:

(56, 27290), (Start: 74 @27353 has 53 MA's), (98, 27434), (116, 27491), (132, 27572), (134, 27578), (145, 27635), (146, 27647), (150, 27659), (158, 27698), (162, 27713), (177, 27782), (184, 27836), (186, 27845), (222, 28001), (237, 28049), (238, 28058), (239, 28067), (247, 28106), (250, 28121), (264, 28184), (267, 28196), (292, 28313), (293, 28316), (306, 28367), (313, 28394), (316, 28397), (322, 28418), (331, 28460), (366, 28580), (370, 28598), (394, 28742), (402, 28787), (406, 28805), (426, 28889), (429, 28898), (438, 28916), (442, 28937), (454, 28982), (455, 28988), (458, 29000), (461, 29012), (464, 29033), (466, 29048), (468, 29054),

Gene: Coriander_19 Start: 17505, Stop: 19199, Start Num: 86

Candidate Starts for Coriander_19:

(13, 17034), (28, 17184), (Start: 67 @17463 has 15 MA's), (Start: 72 @17475 has 3 MA's), (Start: 86 @17505 has 11 MA's), (112, 17607), (118, 17634), (121, 17646), (125, 17658), (134, 17715), (143, 17766), (149, 17787), (160, 17844), (163, 17850), (191, 18000), (219, 18123), (236, 18183), (241, 18219), (259, 18303), (269, 18357), (336, 18618), (357, 18690), (358, 18693), (368, 18735), (376, 18780), (392, 18876), (393, 18879), (396, 18894), (436, 19053), (437, 19059), (459, 19146), (466, 19191),

Gene: Cosmo_40 Start: 25304, Stop: 27688, Start Num: 2

Candidate Starts for Cosmo_40:

(Start: 2 @25304 has 5 MA's), (7, 25421), (9, 25442), (10, 25445), (12, 25475), (13, 25481), (15, 25490), (23, 25580), (26, 25616), (29, 25634), (30, 25661), (31, 25673), (33, 25682), (37, 25745), (41, 25781), (43, 25817), (44, 25820), (46, 25826), (63, 25898), (73, 25928), (94, 25997), (95, 26000), (115, 26087), (120, 26105), (121, 26108), (131, 26168), (140, 26207), (147, 26249), (150, 26258), (151, 26264), (155, 26279), (157, 26294), (169, 26342), (184, 26438), (195, 26480), (196, 26483), (237, 26660), (239, 26678), (243, 26693), (244, 26708), (249, 26729), (255, 26762), (259, 26771), (263, 26801), (271, 26840), (279, 26882), (282, 26894), (283, 26897), (298, 26957), (314, 27017), (328, 27062), (335, 27098), (349, 27164), (368, 27218), (370, 27224), (381, 27290), (413, 27461), (419, 27485), (454, 27605), (459, 27626), (461, 27635), (466, 27671),

Gene: CoveyB_34 Start: 26333, Stop: 28141, Start Num: 50

Candidate Starts for CoveyB_34:

(50, 26333), (Start: 62 @26375 has 73 MA's), (Start: 72 @26411 has 3 MA's), (Start: 84 @26444 has 7 MA's), (133, 26654), (134, 26657), (140, 26687), (154, 26753), (158, 26777), (160, 26786), (168, 26819), (200, 26972), (206, 27011), (219, 27062), (222, 27074), (227, 27092), (229, 27104), (233, 27116), (237, 27131), (242, 27161), (243, 27164), (246, 27185), (264, 27257), (273, 27305), (301, 27416), (310, 27449), (324, 27488), (325, 27491), (338, 27563), (358, 27629), (362, 27641), (392, 27812), (395, 27824), (396, 27830), (402, 27863), (409, 27890), (414, 27917), (428, 27971), (459, 28088), (463, 28109), (467, 28136),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 83

Candidate Starts for Cozz_18:

(Start: 79 @15730 has 8 MA's), (Start: 83 @15733 has 67 MA's), (133, 15943), (158, 16066), (171, 16117), (184, 16204), (191, 16234), (196, 16249), (199, 16261), (215, 16339), (217, 16351), (225, 16378), (233, 16411), (239, 16444), (242, 16456), (250, 16498), (275, 16621), (294, 16693), (315, 16771), (320, 16786), (326, 16804), (336, 16861), (367, 16954), (373, 16990), (375, 17002), (376, 17008), (379, 17020), (380, 17029), (391, 17101), (392, 17104), (394, 17110), (396, 17122), (409, 17182), (418, 17227), (420, 17236), (431, 17269), (452, 17335),

Gene: Crater_18 Start: 15970, Stop: 17667, Start Num: 83

Candidate Starts for Crater_18:

(Start: 67 @15931 has 15 MA's), (Start: 83 @15970 has 67 MA's), (Start: 87 @15982 has 1 MA's), (88, 15985), (96, 16021), (105, 16060), (112, 16081), (122, 16123), (125, 16129), (126, 16132), (128, 16144), (132, 16180), (140, 16216), (153, 16273), (163, 16321), (168, 16348), (185, 16450), (196, 16489), (206, 16546), (209, 16564), (213, 16573), (215, 16579), (227, 16627), (236, 16657), (241, 16693), (243, 16699), (246, 16720), (247, 16723), (258, 16774), (264, 16801), (265, 16804), (269, 16831), (275, 16858), (294, 16930), (303, 16969), (325, 17023), (338, 17095), (350, 17140), (373, 17230), (376, 17248), (390, 17332), (391, 17341), (392, 17344), (394, 17350), (397, 17365), (402, 17395), (404, 17401), (409, 17422), (410, 17425), (421, 17479), (431, 17509), (434, 17518), (450, 17569), (456, 17602), (459, 17614), (462, 17632),

Gene: Crossroads_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Crossroads_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (390, 18375), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: DHan_18 Start: 16906, Stop: 18639, Start Num: 74

Candidate Starts for DHan_18:

(Start: 74 @16906 has 53 MA's), (95, 16975), (131, 17116), (132, 17119), (139, 17149), (142, 17164), (147, 17197), (157, 17242), (171, 17296), (176, 17323), (178, 17335), (184, 17386), (185, 17392), (194, 17425), (231, 17578), (237, 17602), (238, 17611), (246, 17656), (256, 17707), (277, 17812), (289, 17869), (306, 17932), (328, 18004), (335, 18040), (365, 18139), (368, 18160), (370, 18166), (372, 18178), (382, 18241), (398, 18328), (402, 18355), (411, 18388), (417, 18424), (422, 18439), (424, 18451), (433, 18475), (454, 18553), (458, 18571),

Gene: DS6A_21 Start: 16975, Stop: 18714, Start Num: 68

Candidate Starts for DS6A_21:

(60, 16945), (64, 16957), (Start: 68 @16975 has 1 MA's), (89, 17029), (104, 17095), (106, 17101), (108, 17107), (112, 17119), (113, 17125), (118, 17146), (121, 17158), (131, 17215), (138, 17242), (142, 17263), (150, 17299), (153, 17311), (158, 17344), (163, 17359), (169, 17389), (173, 17404),

(191, 17512), (196, 17527), (199, 17539), (200, 17542), (213, 17611), (219, 17635), (220, 17638), (233, 17689), (239, 17722), (246, 17758), (261, 17818), (264, 17836), (266, 17845), (267, 17848), (282, 17917), (299, 17989), (302, 18007), (310, 18037), (313, 18046), (336, 18142), (338, 18151), (376, 18289), (392, 18385), (393, 18388), (402, 18436), (404, 18442), (431, 18550), (450, 18613), (453, 18637), (463, 18682), (465, 18700), (466, 18706),

Gene: DanBing_17 Start: 16810, Stop: 18543, Start Num: 74

Candidate Starts for DanBing_17:

(Start: 74 @16810 has 53 MA's), (95, 16879), (131, 17020), (132, 17023), (139, 17053), (142, 17068), (147, 17101), (157, 17146), (171, 17200), (176, 17227), (178, 17239), (184, 17290), (185, 17296), (194, 17329), (231, 17482), (237, 17506), (238, 17515), (246, 17560), (256, 17611), (277, 17716), (289, 17773), (306, 17836), (328, 17908), (335, 17944), (365, 18043), (368, 18064), (370, 18070), (372, 18082), (382, 18145), (398, 18232), (402, 18259), (411, 18292), (417, 18328), (422, 18343), (424, 18355), (433, 18379), (454, 18457), (458, 18475),

Gene: Danyall_33 Start: 26375, Stop: 28141, Start Num: 62

Candidate Starts for Danyall_33:

(50, 26333), (Start: 62 @26375 has 73 MA's), (Start: 72 @26411 has 3 MA's), (Start: 84 @26444 has 7 MA's), (133, 26654), (134, 26657), (140, 26687), (154, 26753), (158, 26777), (160, 26786), (168, 26819), (200, 26972), (206, 27011), (219, 27062), (222, 27074), (227, 27092), (229, 27104), (233, 27116), (237, 27131), (242, 27161), (243, 27164), (246, 27185), (264, 27257), (273, 27305), (301, 27416), (310, 27449), (324, 27488), (325, 27491), (338, 27563), (358, 27629), (362, 27641), (392, 27812), (395, 27824), (396, 27830), (402, 27863), (409, 27890), (414, 27917), (428, 27971), (459, 28088), (463, 28109), (467, 28136),

Gene: Demsculpinboyz_19 Start: 13737, Stop: 15401, Start Num: 84

Candidate Starts for Demsculpinboyz_19:

(Start: 84 @13737 has 7 MA's), (104, 13818), (113, 13848), (118, 13869), (121, 13881), (134, 13947), (142, 13986), (143, 13998), (150, 14022), (161, 14079), (163, 14082), (167, 14106), (169, 14112), (170, 14115), (179, 14160), (181, 14178), (186, 14214), (199, 14262), (209, 14325), (220, 14361), (227, 14388), (229, 14400), (230, 14403), (239, 14445), (242, 14457), (246, 14481), (261, 14535), (282, 14634), (307, 14727), (315, 14754), (319, 14766), (335, 14817), (336, 14832), (392, 15075), (393, 15078), (394, 15081), (418, 15198), (431, 15240), (453, 15324), (463, 15369), (465, 15387),

Gene: Derg_32 Start: 29475, Stop: 31238, Start Num: 62

Candidate Starts for Derg_32:

(Start: 62 @29475 has 73 MA's), (Start: 72 @29511 has 3 MA's), (109, 29640), (112, 29649), (131, 29745), (134, 29754), (148, 29823), (158, 29874), (160, 29883), (169, 29919), (173, 29934), (176, 29952), (185, 30015), (198, 30060), (200, 30069), (227, 30189), (230, 30204), (237, 30228), (242, 30258), (292, 30480), (298, 30498), (301, 30513), (313, 30555), (315, 30558), (324, 30585), (349, 30705), (368, 30768), (392, 30909), (393, 30912), (402, 30960), (409, 30987), (414, 31014), (428, 31068), (439, 31095),

Gene: Diminimus_29 Start: 22367, Stop: 24103, Start Num: 67

Candidate Starts for Diminimus_29:

(34, 22145), (Start: 55 @22325 has 3 MA's), (Start: 58 @22340 has 2 MA's), (Start: 67 @22367 has 15 MA's), (75, 22382), (89, 22421), (95, 22451), (97, 22457), (100, 22469), (129, 22574), (131, 22589), (140, 22628), (166, 22751), (169, 22760), (184, 22856), (195, 22898), (196, 22901), (237, 23078), (259, 23189), (264, 23216), (278, 23288), (279, 23297), (280, 23300), (283, 23312), (314, 23432), (316, 23435), (328, 23477), (333, 23507), (335, 23513), (368, 23633), (370, 23639), (448, 23993), (454, 24020), (458, 24038), (460, 24047),

Gene: DirkDirk_18 Start: 16739, Stop: 18508, Start Num: 61

Candidate Starts for DirkDirk_18:

(Start: 47 @16676 has 1 MA's), (52, 16697), (53, 16712), (Start: 61 @16739 has 40 MA's), (91, 16832), (102, 16880), (103, 16886), (115, 16913), (118, 16922), (131, 16994), (134, 17003), (139, 17027), (142, 17042), (146, 17072), (176, 17198), (177, 17207), (180, 17228), (182, 17243), (198, 17312), (205, 17348), (207, 17369), (226, 17438), (237, 17477), (264, 17615), (267, 17627), (282, 17702), (284, 17708), (287, 17726), (298, 17765), (306, 17798), (308, 17807), (311, 17816), (314, 17825), (342, 17948), (354, 17984), (370, 18032), (372, 18044), (381, 18098), (398, 18194), (400, 18212), (401, 18218), (402, 18221), (411, 18254), (415, 18278), (433, 18341), (444, 18383), (454, 18422), (458, 18440), (462, 18461), (465, 18482),

Gene: DirtyBoi_20 Start: 16958, Stop: 18652, Start Num: 86

Candidate Starts for DirtyBoi_20:

(Start: 72 @16928 has 3 MA's), (Start: 86 @16958 has 11 MA's), (112, 17060), (125, 17111), (134, 17168), (143, 17219), (160, 17297), (163, 17303), (191, 17453), (219, 17576), (236, 17636), (241, 17672), (249, 17714), (259, 17756), (264, 17780), (269, 17810), (336, 18071), (358, 18146), (368, 18188), (376, 18233), (392, 18329), (393, 18332), (396, 18347), (436, 18506), (437, 18512), (459, 18599), (466, 18644),

Gene: Dmitri_19 Start: 17502, Stop: 19196, Start Num: 86

Candidate Starts for Dmitri_19:

(Start: 67 @17460 has 15 MA's), (Start: 72 @17472 has 3 MA's), (Start: 86 @17502 has 11 MA's), (112, 17604), (125, 17655), (134, 17712), (143, 17763), (160, 17841), (163, 17847), (191, 17997), (219, 18120), (236, 18180), (241, 18216), (249, 18258), (259, 18300), (269, 18354), (336, 18615), (358, 18690), (368, 18732), (376, 18777), (392, 18873), (393, 18876), (396, 18891), (436, 19050), (437, 19056), (459, 19143), (466, 19188),

Gene: Doggs_18 Start: 17205, Stop: 18899, Start Num: 86

Candidate Starts for Doggs_18:

(13, 16734), (28, 16884), (Start: 72 @17175 has 3 MA's), (Start: 86 @17205 has 11 MA's), (112, 17307), (118, 17334), (121, 17346), (125, 17358), (134, 17415), (143, 17466), (149, 17487), (160, 17544), (163, 17550), (191, 17700), (219, 17823), (236, 17883), (241, 17919), (259, 18003), (269, 18057), (336, 18318), (357, 18390), (358, 18393), (368, 18435), (376, 18480), (392, 18576), (393, 18579), (396, 18594), (436, 18753), (437, 18759), (459, 18846), (466, 18891),

Gene: Douge_18 Start: 16581, Stop: 18344, Start Num: 61

Candidate Starts for Douge_18:

(Start: 61 @16581 has 40 MA's), (103, 16722), (131, 16830), (132, 16833), (175, 17031), (176, 17034), (178, 17046), (181, 17067), (203, 17175), (207, 17205), (237, 17313), (243, 17346), (244, 17361), (249, 17382), (282, 17538), (298, 17601), (308, 17643), (311, 17652), (328, 17706), (335, 17742), (370, 17868), (375, 17901), (391, 18003), (394, 18012), (398, 18030), (402, 18057), (415, 18114), (424, 18153), (433, 18177), (441, 18213), (448, 18228), (454, 18258), (460, 18285), (462, 18297), (465, 18318),

Gene: Douzhi_18 Start: 16572, Stop: 18335, Start Num: 61

Candidate Starts for Douzhi_18:

(Start: 61 @16572 has 40 MA's), (103, 16713), (131, 16821), (132, 16824), (175, 17022), (176, 17025), (178, 17037), (181, 17058), (203, 17166), (207, 17196), (237, 17304), (243, 17337), (244, 17352), (249, 17373), (282, 17529), (298, 17592), (308, 17634), (311, 17643), (316, 17655), (328, 17697), (335, 17733), (370, 17859), (375, 17892), (391, 17994), (394, 18003), (398, 18021), (402, 18048), (415, 18105), (424, 18144), (433, 18168), (441, 18204), (448, 18219), (454, 18249), (460, 18276), (462, 18288), (465, 18309),

Gene: DrSeegs_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for DrSeegs_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 83

Candidate Starts for Dre3_18:

(Start: 83 @15938 has 67 MA's), (113, 16052), (121, 16085), (163, 16286), (171, 16322), (184, 16409), (206, 16511), (215, 16544), (217, 16556), (218, 16559), (233, 16616), (239, 16649), (243, 16664), (248, 16691), (254, 16730), (263, 16766), (265, 16772), (275, 16826), (282, 16850), (291, 16889), (293, 16895), (313, 16967), (320, 16985), (324, 16994), (326, 17003), (336, 17060), (339, 17078), (373, 17189), (375, 17201), (378, 17216), (380, 17228), (391, 17300), (392, 17303), (413, 17399), (418, 17426), (423, 17450), (431, 17468),

Gene: Dulcita_29 Start: 22367, Stop: 24103, Start Num: 67

Candidate Starts for Dulcita_29:

(34, 22145), (Start: 55 @22325 has 3 MA's), (Start: 58 @22340 has 2 MA's), (Start: 67 @22367 has 15 MA's), (75, 22382), (89, 22421), (95, 22451), (97, 22457), (100, 22469), (129, 22574), (131, 22589), (140, 22628), (166, 22751), (169, 22760), (184, 22856), (195, 22898), (196, 22901), (237, 23078), (259, 23189), (264, 23216), (278, 23288), (279, 23297), (280, 23300), (283, 23312), (314, 23432), (316, 23435), (328, 23477), (333, 23507), (335, 23513), (368, 23633), (370, 23639), (448, 23993), (454, 24020), (458, 24038), (460, 24047),

Gene: DuncansLeg_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for DuncansLeg_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (347, 18597), (354, 18612), (370, 18660), (394, 18804), (402, 18849), (413, 18894), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: DyoEdafos_19 Start: 16789, Stop: 18552, Start Num: 61

Candidate Starts for DyoEdafos_19:

(Start: 61 @16789 has 40 MA's), (103, 16930), (116, 16960), (131, 17038), (132, 17041), (175, 17239), (176, 17242), (178, 17254), (181, 17275), (203, 17383), (207, 17413), (237, 17521), (238, 17530), (243, 17554), (244, 17569), (249, 17590), (282, 17746), (298, 17809), (308, 17851), (311, 17860), (316, 17872), (335, 17950), (370, 18076), (371, 18085), (375, 18109), (391, 18211), (394, 18220), (398, 18238), (402, 18265), (415, 18322), (433, 18385), (441, 18421), (448, 18436), (454, 18466), (460, 18493), (462, 18505), (465, 18526),

Gene: EMSquaredA_20 Start: 17566, Stop: 19272, Start Num: 76

Candidate Starts for EMSquaredA_20:

(Start: 67 @17542 has 15 MA's), (Start: 76 @17566 has 17 MA's), (112, 17671), (123, 17713), (137, 17788), (158, 17902), (184, 18049), (185, 18055), (198, 18100), (232, 18238), (245, 18313), (313, 18595), (321, 18616), (336, 18691), (364, 18778), (370, 18814), (375, 18847), (376, 18853), (387, 18919), (392, 18949), (428, 19105), (431, 19111), (437, 19129), (463, 19240),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 83

Candidate Starts for Elinal_19:

(Start: 79 @15415 has 8 MA's), (Start: 83 @15418 has 67 MA's), (110, 15517), (120, 15559), (171, 15799), (184, 15886), (189, 15907), (191, 15916), (199, 15943), (206, 15988), (215, 16021), (218, 16036), (225, 16060), (233, 16093), (239, 16126), (242, 16138), (252, 16195), (260, 16225), (263, 16243), (268, 16273), (275, 16303), (291, 16366), (304, 16417), (315, 16453), (320, 16468), (326, 16486), (336, 16543), (338, 16552), (373, 16672), (375, 16684), (383, 16732), (391, 16783), (392, 16786), (396, 16804), (413, 16882), (418, 16909), (431, 16951), (465, 17098), (466, 17104),

Gene: Elliott_18 Start: 15729, Stop: 17429, Start Num: 79

Candidate Starts for Elliott_18:

(Start: 79 @15729 has 8 MA's), (Start: 83 @15732 has 67 MA's), (133, 15942), (158, 16065), (171, 16116), (184, 16203), (186, 16212), (191, 16233), (196, 16248), (199, 16260), (215, 16338), (217, 16350), (225, 16377), (233, 16410), (239, 16443), (242, 16455), (250, 16497), (275, 16620), (294, 16692), (315, 16770), (320, 16785), (326, 16803), (336, 16860), (367, 16953), (373, 16989), (375, 17001), (376, 17007), (379, 17019), (380, 17028), (391, 17100), (392, 17103), (394, 17109), (396, 17121), (409, 17181), (418, 17226), (420, 17235), (431, 17268), (452, 17334),

Gene: Ellson_19 Start: 17381, Stop: 19144, Start Num: 61

Candidate Starts for Ellson_19:

(Start: 61 @17381 has 40 MA's), (70, 17408), (91, 17471), (102, 17519), (103, 17525), (118, 17561), (132, 17636), (150, 17723), (176, 17837), (178, 17849), (200, 17960), (235, 18104), (237, 18116), (239, 18134), (243, 18149), (282, 18338), (298, 18401), (308, 18443), (311, 18452), (316, 18464), (334, 18539), (349, 18608), (354, 18620), (370, 18668), (381, 18734), (394, 18812), (402, 18857), (413, 18902), (415, 18914), (433, 18977), (441, 19013), (448, 19028), (454, 19058), (455, 19064), (458, 19076), (460, 19085), (462, 19097),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 83

Candidate Starts for Emalyn_17:

(Start: 79 @15030 has 8 MA's), (Start: 83 @15033 has 67 MA's), (110, 15132), (113, 15144), (133, 15240), (151, 15324), (171, 15414), (181, 15474), (199, 15558), (206, 15603), (215, 15636), (217, 15648), (224, 15672), (239, 15741), (242, 15753), (275, 15918), (294, 15990), (315, 16068), (320, 16083), (326, 16101), (336, 16158), (375, 16299), (376, 16305), (379, 16317), (380, 16326), (391, 16398), (392, 16401), (394, 16407), (396, 16419), (418, 16524), (420, 16533), (431, 16566), (466, 16719),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 76

Candidate Starts for EnalisNailo_20:

(Start: 67 @17691 has 15 MA's), (Start: 76 @17715 has 17 MA's), (96, 17763), (112, 17820), (123, 17862), (158, 18051), (184, 18198), (185, 18204), (198, 18249), (232, 18387), (245, 18462), (313, 18744), (321, 18765), (336, 18840), (364, 18927), (370, 18963), (375, 18996), (376, 19002), (387, 19068), (392, 19098), (428, 19254), (431, 19260), (437, 19278), (463, 19389),

Gene: Enceladus_18 Start: 16740, Stop: 18509, Start Num: 61

Candidate Starts for Enceladus_18:

(Start: 47 @16677 has 1 MA's), (52, 16698), (53, 16713), (Start: 61 @16740 has 40 MA's), (91, 16833), (102, 16881), (103, 16887), (115, 16914), (118, 16923), (131, 16995), (134, 17004), (139, 17028), (142, 17043), (146, 17073), (176, 17199), (177, 17208), (180, 17229), (182, 17244), (198, 17313), (205, 17349), (207, 17370), (226, 17439), (237, 17478), (264, 17616), (267, 17628), (282, 17703), (284, 17709), (287, 17727), (298, 17766), (306, 17799), (308, 17808), (311, 17817), (314, 17826), (342, 17949), (354, 17985), (370, 18033), (372, 18045), (381, 18099), (398, 18195), (400, 18213), (401, 18219), (402, 18222), (411, 18255), (415, 18279), (433, 18342), (444, 18384), (454, 18423), (458, 18441), (462, 18462), (465, 18483),

Gene: EniyanLRS_37 Start: 25002, Stop: 27386, Start Num: 2

Candidate Starts for EniyanLRS_37:

(Start: 2 @25002 has 5 MA's), (7, 25119), (9, 25140), (10, 25143), (12, 25173), (13, 25179), (15, 25188), (23, 25278), (26, 25314), (29, 25332), (30, 25359), (31, 25371), (33, 25380), (37, 25443), (41, 25479), (43, 25515), (44, 25518), (46, 25524), (63, 25596), (73, 25626), (94, 25695), (95, 25698), (115, 25785), (120, 25803), (121, 25806), (131, 25866), (140, 25905), (147, 25947), (150, 25956), (151, 25962), (155, 25977), (157, 25992), (169, 26040), (184, 26136), (195, 26178), (196, 26181), (237, 26358), (239, 26376), (243, 26391), (244, 26406), (249, 26427), (255, 26460), (259, 26469), (263, 26499), (271, 26538), (279, 26580), (282, 26592), (283, 26595), (298, 26655), (314, 26715), (328, 26760), (335, 26796), (349, 26862), (368, 26916), (370, 26922), (381, 26988), (413, 27159), (419, 27183), (454, 27303), (459, 27324), (461, 27333), (466, 27369),

Gene: Estes_33 Start: 23088, Stop: 24827, Start Num: 67

Candidate Starts for Estes_33:

(Start: 55 @23046 has 3 MA's), (Start: 58 @23061 has 2 MA's), (Start: 67 @23088 has 15 MA's), (93, 23166), (95, 23172), (100, 23190), (140, 23352), (142, 23361), (144, 23376), (165, 23463), (166, 23475), (169, 23484), (177, 23526), (184, 23580), (187, 23592), (195, 23622), (196, 23625), (203, 23658), (234, 23787), (237, 23802), (239, 23820), (278, 24012), (279, 24021), (282, 24033), (284, 24039), (308, 24138), (311, 24147), (314, 24156), (324, 24186), (331, 24225), (349, 24303), (360, 24318), (368, 24357), (370, 24363), (448, 24717), (454, 24744), (455, 24750), (464, 24795),

Gene: Evamon_31 Start: 25861, Stop: 27627, Start Num: 62

Candidate Starts for Evamon_31:

(50, 25819), (Start: 62 @25861 has 73 MA's), (Start: 72 @25897 has 3 MA's), (Start: 84 @25930 has 7 MA's), (125, 26086), (133, 26140), (134, 26143), (140, 26173), (154, 26239), (158, 26263), (160, 26272), (168, 26305), (200, 26458), (206, 26497), (219, 26548), (222, 26560), (227, 26578), (229, 26590), (233, 26602), (237, 26617), (242, 26647), (243, 26650), (246, 26671), (264, 26743), (273, 26791), (301, 26902), (310, 26935), (324, 26974), (325, 26977), (338, 27049), (358, 27115), (362, 27127), (392, 27298), (393, 27301), (402, 27349), (409, 27376), (414, 27403), (428, 27457), (459, 27574), (463, 27595), (467, 27622),

Gene: Eyes_19 Start: 16632, Stop: 18362, Start Num: 80

Candidate Starts for Eyes_19:

(14, 16176), (25, 16299), (28, 16320), (46, 16515), (Start: 67 @16599 has 15 MA's), (Start: 72 @16611 has 3 MA's), (Start: 80 @16632 has 5 MA's), (138, 16869), (143, 16902), (163, 16986), (203, 17187), (209, 17229), (219, 17265), (227, 17295), (233, 17319), (241, 17361), (246, 17388), (259, 17445), (261, 17451), (279, 17538), (356, 17832), (369, 17898), (373, 17922), (376, 17940), (392, 18036), (396, 18054), (434, 18210), (436, 18213), (440, 18225), (457, 18300), (462, 18327),

Gene: Faith1_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Faith1_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Farewell_16 Start: 16143, Stop: 17858, Start Num: 72

Candidate Starts for Farewell_16:

(Start: 72 @16143 has 3 MA's), (75, 16152), (116, 16278), (131, 16356), (133, 16362), (134, 16365), (141, 16398), (150, 16446), (151, 16452), (166, 16518), (174, 16551), (177, 16569), (195, 16665), (220, 16779), (237, 16836), (239, 16854), (246, 16890), (264, 16971), (266, 16980), (282, 17058), (290, 17094), (316, 17184), (335, 17259), (370, 17385), (385, 17475), (403, 17577), (438, 17706),

(450, 17748), (454, 17775), (460, 17802), (462, 17814), (463, 17817), (466, 17841),

Gene: FarmResident_18 Start: 16625, Stop: 18388, Start Num: 61

Candidate Starts for FarmResident_18:

(Start: 61 @16625 has 40 MA's), (103, 16766), (131, 16874), (132, 16877), (175, 17075), (176, 17078), (178, 17090), (181, 17111), (203, 17219), (207, 17249), (237, 17357), (243, 17390), (244, 17405), (249, 17426), (282, 17582), (298, 17645), (308, 17687), (311, 17696), (328, 17750), (335, 17786), (370, 17912), (375, 17945), (391, 18047), (394, 18056), (398, 18074), (402, 18101), (415, 18158), (424, 18197), (433, 18221), (441, 18257), (448, 18272), (454, 18302), (460, 18329), (462, 18341), (465, 18362),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 83

Candidate Starts for Feastonyeet_17:

(Start: 79 @15458 has 8 MA's), (Start: 83 @15461 has 67 MA's), (110, 15560), (120, 15602), (134, 15671), (171, 15842), (184, 15929), (189, 15950), (191, 15959), (199, 15986), (206, 16031), (215, 16064), (218, 16079), (225, 16103), (233, 16136), (239, 16169), (242, 16181), (252, 16238), (263, 16286), (268, 16316), (275, 16346), (291, 16409), (304, 16460), (315, 16496), (320, 16511), (326, 16529), (336, 16586), (338, 16595), (373, 16715), (375, 16727), (383, 16775), (391, 16826), (392, 16829), (396, 16847), (413, 16925), (416, 16940), (418, 16952), (431, 16994), (465, 17141), (466, 17147),

Gene: FeliMaine_52 Start: 27401, Stop: 29113, Start Num: 74

Candidate Starts for FeliMaine_52:

(56, 27338), (Start: 74 @27401 has 53 MA's), (98, 27482), (116, 27539), (132, 27620), (134, 27626), (145, 27683), (146, 27695), (150, 27707), (158, 27746), (162, 27761), (177, 27830), (184, 27884), (186, 27893), (222, 28049), (237, 28097), (238, 28106), (239, 28115), (247, 28154), (250, 28169), (264, 28232), (267, 28244), (292, 28361), (293, 28364), (306, 28415), (313, 28442), (316, 28445), (322, 28466), (331, 28508), (366, 28628), (370, 28646), (394, 28790), (402, 28835), (406, 28853), (426, 28937), (429, 28946), (438, 28964), (442, 28985), (454, 29030), (455, 29036), (458, 29048), (461, 29060), (464, 29081), (466, 29096), (468, 29102),

Gene: Finemlucis_18 Start: 16995, Stop: 18728, Start Num: 74

Candidate Starts for Finemlucis_18:

(Start: 74 @16995 has 53 MA's), (95, 17064), (131, 17205), (132, 17208), (142, 17253), (147, 17286), (150, 17295), (157, 17331), (171, 17385), (176, 17412), (178, 17424), (184, 17475), (185, 17481), (194, 17514), (231, 17667), (237, 17691), (238, 17700), (246, 17745), (249, 17760), (264, 17838), (289, 17958), (306, 18021), (328, 18093), (335, 18129), (368, 18249), (370, 18255), (372, 18267), (382, 18330), (398, 18417), (402, 18444), (417, 18513), (422, 18528), (424, 18540), (433, 18564), (454, 18642),

Gene: Finnry_19 Start: 17377, Stop: 19140, Start Num: 61

Candidate Starts for Finnry_19:

(Start: 61 @17377 has 40 MA's), (70, 17404), (91, 17467), (102, 17515), (103, 17521), (118, 17557), (132, 17632), (138, 17656), (139, 17662), (150, 17719), (176, 17833), (178, 17845), (200, 17956), (235, 18100), (237, 18112), (243, 18145), (244, 18160), (282, 18334), (284, 18340), (298, 18397), (308, 18439), (311, 18448), (316, 18460), (334, 18535), (349, 18604), (354, 18616), (370, 18664), (381, 18730), (394, 18808), (402, 18853), (415, 18910), (433, 18973), (441, 19009), (448, 19024), (454, 19054), (455, 19060), (458, 19072), (460, 19081), (462, 19093),

Gene: Fireball_32 Start: 25984, Stop: 27750, Start Num: 62

Candidate Starts for Fireball_32:

(50, 25942), (Start: 62 @25984 has 73 MA's), (Start: 72 @26020 has 3 MA's), (Start: 84 @26053 has 7 MA's), (133, 26263), (134, 26266), (140, 26296), (154, 26362), (158, 26386), (160, 26395), (168,

26428), (200, 26581), (206, 26620), (219, 26671), (222, 26683), (227, 26701), (229, 26713), (233, 26725), (237, 26740), (242, 26770), (243, 26773), (246, 26794), (264, 26866), (273, 26914), (301, 27025), (310, 27058), (325, 27100), (338, 27172), (358, 27238), (362, 27250), (392, 27421), (393, 27424), (402, 27472), (409, 27499), (414, 27526), (416, 27532), (428, 27580), (459, 27697), (463, 27718),

Gene: Fitzgerald_33 Start: 30900, Stop: 32663, Start Num: 62

Candidate Starts for Fitzgerald_33:

(57, 30882), (Start: 62 @30900 has 73 MA's), (Start: 72 @30936 has 3 MA's), (112, 31074), (131, 31170), (134, 31179), (148, 31248), (158, 31299), (169, 31344), (173, 31359), (185, 31440), (198, 31485), (200, 31494), (206, 31533), (219, 31584), (227, 31614), (230, 31629), (237, 31653), (242, 31683), (266, 31788), (292, 31905), (298, 31923), (301, 31938), (309, 31968), (313, 31980), (315, 31983), (324, 32010), (392, 32334), (393, 32337), (402, 32385), (409, 32412), (414, 32439), (428, 32493), (439, 32520), (465, 32649),

Gene: Flatwoods_35 Start: 29836, Stop: 31599, Start Num: 62

Candidate Starts for Flatwoods_35:

(Start: 62 @29836 has 73 MA's), (Start: 72 @29872 has 3 MA's), (109, 30001), (112, 30010), (131, 30106), (134, 30115), (148, 30184), (158, 30235), (160, 30244), (169, 30280), (173, 30295), (176, 30313), (185, 30376), (198, 30421), (200, 30430), (225, 30541), (227, 30550), (230, 30565), (233, 30574), (237, 30589), (242, 30619), (292, 30841), (298, 30859), (301, 30874), (313, 30916), (315, 30919), (324, 30946), (349, 31066), (392, 31270), (393, 31273), (402, 31321), (409, 31348), (414, 31375), (428, 31429), (439, 31456),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 76

Candidate Starts for Floral_20:

(Start: 67 @17542 has 15 MA's), (Start: 76 @17566 has 17 MA's), (112, 17671), (123, 17713), (137, 17788), (158, 17902), (184, 18049), (185, 18055), (198, 18100), (232, 18238), (245, 18313), (313, 18595), (321, 18616), (336, 18691), (364, 18778), (370, 18814), (375, 18847), (376, 18853), (387, 18919), (392, 18949), (428, 19105), (431, 19111), (437, 19129), (463, 19240),

Gene: Fosterous_33 Start: 30742, Stop: 32505, Start Num: 62

Candidate Starts for Fosterous_33:

(57, 30724), (Start: 62 @30742 has 73 MA's), (Start: 72 @30778 has 3 MA's), (112, 30916), (131, 31012), (134, 31021), (148, 31090), (158, 31141), (169, 31186), (173, 31201), (185, 31282), (198, 31327), (200, 31336), (219, 31426), (227, 31456), (230, 31471), (237, 31495), (242, 31525), (292, 31747), (298, 31765), (301, 31780), (309, 31810), (313, 31822), (315, 31825), (324, 31852), (391, 32173), (392, 32176), (393, 32179), (402, 32227), (409, 32254), (414, 32281), (428, 32335), (437, 32359), (439, 32362), (459, 32452), (467, 32500),

Gene: FreakyGoo_28 Start: 22368, Stop: 24104, Start Num: 67

Candidate Starts for FreakyGoo_28:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079), (259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: Fribs8_19 Start: 16521, Stop: 18215, Start Num: 83

Candidate Starts for Fribs8_19:

(Start: 83 @16521 has 67 MA's), (Start: 87 @16533 has 1 MA's), (113, 16635), (149, 16806), (150, 16809), (158, 16854), (169, 16899), (179, 16947), (184, 16992), (206, 17094), (215, 17127), (217,

17139), (218, 17142), (233, 17199), (239, 17232), (243, 17247), (248, 17274), (254, 17313), (265, 17355), (267, 17364), (275, 17409), (282, 17433), (291, 17472), (313, 17553), (320, 17571), (324, 17580), (326, 17589), (336, 17646), (338, 17655), (375, 17787), (376, 17793), (380, 17814), (391, 17886), (392, 17889), (413, 17985), (418, 18012), (420, 18021), (421, 18024), (431, 18054), (451, 18117),

Gene: Frickyeah_20 Start: 16428, Stop: 18125, Start Num: 83

Candidate Starts for Frickyeah_20:

(Start: 67 @16389 has 15 MA's), (Start: 83 @16428 has 67 MA's), (Start: 87 @16440 has 1 MA's), (105, 16518), (112, 16539), (125, 16587), (127, 16596), (132, 16638), (140, 16674), (153, 16731), (156, 16752), (163, 16779), (168, 16806), (196, 16947), (206, 17004), (213, 17031), (215, 17037), (227, 17085), (236, 17115), (241, 17151), (246, 17178), (247, 17181), (258, 17232), (264, 17259), (265, 17262), (269, 17289), (275, 17316), (294, 17388), (303, 17427), (325, 17481), (333, 17523), (350, 17598), (368, 17661), (373, 17688), (376, 17706), (390, 17790), (391, 17799), (392, 17802), (394, 17808), (397, 17823), (402, 17853), (404, 17859), (409, 17880), (410, 17883), (421, 17937), (431, 17967), (434, 17976), (450, 18027), (456, 18060), (459, 18072), (462, 18090),

Gene: Fryberger_53 Start: 27936, Stop: 29621, Start Num: 77

Candidate Starts for Fryberger_53:

(38, 27744), (39, 27753), (40, 27759), (54, 27861), (63, 27891), (Start: 77 @27936 has 6 MA's), (118, 28077), (151, 28236), (163, 28290), (192, 28446), (215, 28545), (227, 28593), (239, 28650), (243, 28665), (263, 28755), (295, 28893), (313, 28956), (336, 29052), (347, 29103), (349, 29106), (354, 29118), (375, 29193), (378, 29208), (391, 29292), (409, 29373), (463, 29589), (465, 29607),

Gene: FuegoCuervo_37 Start: 29287, Stop: 31050, Start Num: 62

Candidate Starts for FuegoCuervo_37:

(57, 29269), (Start: 62 @29287 has 73 MA's), (Start: 72 @29323 has 3 MA's), (112, 29461), (131, 29557), (134, 29566), (148, 29635), (158, 29686), (169, 29731), (173, 29746), (185, 29827), (198, 29872), (200, 29881), (219, 29971), (227, 30001), (230, 30016), (237, 30040), (242, 30070), (266, 30175), (292, 30292), (298, 30310), (301, 30325), (309, 30355), (313, 30367), (315, 30370), (324, 30397), (391, 30718), (392, 30721), (393, 30724), (402, 30772), (409, 30799), (414, 30826), (428, 30880), (439, 30907), (465, 31036),

Gene: Fugax_33 Start: 26575, Stop: 28341, Start Num: 62

Candidate Starts for Fugax_33:

(50, 26533), (Start: 62 @26575 has 73 MA's), (Start: 72 @26611 has 3 MA's), (Start: 84 @26644 has 7 MA's), (133, 26854), (134, 26857), (140, 26887), (154, 26953), (158, 26977), (160, 26986), (168, 27019), (200, 27172), (206, 27211), (219, 27262), (222, 27274), (227, 27292), (229, 27304), (233, 27316), (237, 27331), (242, 27361), (243, 27364), (246, 27385), (264, 27457), (273, 27505), (301, 27616), (310, 27649), (325, 27691), (338, 27763), (358, 27829), (362, 27841), (392, 28012), (393, 28015), (402, 28063), (409, 28090), (414, 28117), (428, 28171), (459, 28288), (463, 28309), (467, 28336),

Gene: GEazy_19 Start: 16647, Stop: 18377, Start Num: 81

Candidate Starts for GEazy_19:

(46, 16527), (Start: 67 @16611 has 15 MA's), (Start: 81 @16647 has 4 MA's), (113, 16767), (130, 16851), (138, 16884), (143, 16917), (163, 17001), (203, 17202), (209, 17244), (219, 17280), (227, 17310), (233, 17334), (241, 17376), (246, 17403), (247, 17406), (259, 17460), (261, 17466), (279, 17553), (369, 17913), (373, 17937), (376, 17955), (392, 18051), (396, 18069), (436, 18228), (457, 18315), (462, 18342),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 110

Candidate Starts for GTE2_16:

(Start: 79 @15068 has 8 MA's), (Start: 83 @15071 has 67 MA's), (110, 15173), (113, 15185), (133, 15281), (151, 15365), (171, 15455), (181, 15515), (184, 15542), (191, 15572), (192, 15575), (199, 15599), (205, 15629), (206, 15644), (215, 15677), (217, 15689), (218, 15692), (224, 15713), (239, 15782), (242, 15794), (250, 15836), (275, 15959), (315, 16109), (320, 16124), (326, 16142), (336, 16199), (375, 16340), (376, 16346), (379, 16358), (380, 16367), (391, 16439), (392, 16442), (394, 16448), (396, 16460), (416, 16553), (418, 16565), (420, 16574), (431, 16607),

Gene: Gabriela_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Gabriela_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Gaea_34 Start: 29484, Stop: 31247, Start Num: 62

Candidate Starts for Gaea_34:

(Start: 62 @29484 has 73 MA's), (Start: 72 @29520 has 3 MA's), (109, 29649), (112, 29658), (131, 29754), (134, 29763), (148, 29832), (158, 29883), (160, 29892), (169, 29928), (173, 29943), (176, 29961), (185, 30024), (198, 30069), (200, 30078), (227, 30198), (230, 30213), (233, 30222), (237, 30237), (242, 30267), (292, 30489), (298, 30507), (301, 30522), (313, 30564), (315, 30567), (324, 30594), (349, 30714), (374, 30807), (392, 30918), (393, 30921), (402, 30969), (409, 30996), (414, 31023), (428, 31077), (439, 31104),

Gene: Galadriel_35 Start: 31231, Stop: 32994, Start Num: 62

Candidate Starts for Galadriel_35:

(57, 31213), (Start: 62 @31231 has 73 MA's), (Start: 72 @31267 has 3 MA's), (112, 31405), (131, 31501), (134, 31510), (148, 31579), (158, 31630), (169, 31675), (173, 31690), (185, 31771), (198, 31816), (200, 31825), (219, 31915), (227, 31945), (230, 31960), (237, 31984), (242, 32014), (266, 32119), (292, 32236), (298, 32254), (301, 32269), (309, 32299), (313, 32311), (315, 32314), (324, 32341), (392, 32665), (393, 32668), (402, 32716), (409, 32743), (414, 32770), (428, 32824), (437, 32848), (439, 32851), (459, 32941), (467, 32989),

Gene: Gardann_18 Start: 16994, Stop: 18727, Start Num: 74

Candidate Starts for Gardann_18:

(Start: 74 @16994 has 53 MA's), (95, 17063), (131, 17204), (132, 17207), (142, 17252), (147, 17285), (150, 17294), (157, 17330), (171, 17384), (176, 17411), (178, 17423), (184, 17474), (185, 17480), (194, 17513), (231, 17666), (237, 17690), (238, 17699), (246, 17744), (249, 17759), (264, 17837), (289, 17957), (306, 18020), (328, 18092), (335, 18128), (368, 18248), (370, 18254), (372, 18266), (382, 18329), (398, 18416), (402, 18443), (417, 18512), (422, 18527), (424, 18539), (433, 18563), (454, 18641),

Gene: GardenSalsa_32 Start: 22870, Stop: 24651, Start Num: 55

Candidate Starts for GardenSalsa_32:

(Start: 55 @22870 has 3 MA's), (Start: 58 @22885 has 2 MA's), (Start: 67 @22912 has 15 MA's), (93, 22990), (95, 22996), (100, 23014), (140, 23176), (142, 23185), (144, 23200), (165, 23287), (166, 23299), (169, 23308), (184, 23404), (187, 23416), (195, 23446), (196, 23449), (203, 23482), (234, 23611), (237, 23626), (239, 23644), (244, 23674), (278, 23836), (279, 23845), (282, 23857), (284, 23863), (308, 23962), (311, 23971), (314, 23980), (331, 24049), (360, 24142), (368, 24181), (370, 24187), (371, 24196), (448, 24541), (454, 24568), (455, 24574), (464, 24619),

Gene: Gattaca_49 Start: 26580, Stop: 28292, Start Num: 74

Candidate Starts for Gattaca_49:

(56, 26517), (Start: 74 @26580 has 53 MA's), (98, 26661), (116, 26718), (132, 26799), (134, 26805), (145, 26862), (146, 26874), (150, 26886), (158, 26925), (162, 26940), (177, 27009), (184, 27063), (186, 27072), (222, 27228), (237, 27276), (238, 27285), (239, 27294), (247, 27333), (250, 27348), (264, 27411), (267, 27423), (292, 27540), (293, 27543), (306, 27594), (313, 27621), (316, 27624), (322, 27645), (331, 27687), (366, 27807), (370, 27825), (394, 27969), (402, 28014), (406, 28032), (426, 28116), (429, 28125), (438, 28143), (442, 28164), (454, 28209), (455, 28215), (458, 28227), (461, 28239), (464, 28260), (466, 28275), (468, 28281),

Gene: GenevaB15_32 Start: 22915, Stop: 24696, Start Num: 55

Candidate Starts for GenevaB15_32:

(Start: 55 @22915 has 3 MA's), (Start: 58 @22930 has 2 MA's), (Start: 67 @22957 has 15 MA's), (93, 23035), (95, 23041), (100, 23059), (140, 23221), (142, 23230), (144, 23245), (165, 23332), (166, 23344), (169, 23353), (184, 23449), (187, 23461), (195, 23491), (196, 23494), (203, 23527), (234, 23656), (237, 23671), (239, 23689), (278, 23881), (279, 23890), (282, 23902), (284, 23908), (308, 24007), (311, 24016), (314, 24025), (331, 24094), (349, 24172), (360, 24187), (368, 24226), (370, 24232), (448, 24586), (454, 24613), (455, 24619),

Gene: Geodirt_32 Start: 30217, Stop: 31980, Start Num: 62

Candidate Starts for Geodirt_32:

(57, 30199), (Start: 62 @30217 has 73 MA's), (Start: 72 @30253 has 3 MA's), (112, 30391), (131, 30487), (134, 30496), (148, 30565), (158, 30616), (169, 30661), (173, 30676), (185, 30757), (198, 30802), (200, 30811), (219, 30901), (227, 30931), (230, 30946), (237, 30970), (242, 31000), (266, 31105), (292, 31222), (298, 31240), (301, 31255), (309, 31285), (313, 31297), (315, 31300), (324, 31327), (392, 31651), (393, 31654), (402, 31702), (409, 31729), (414, 31756), (428, 31810), (439, 31837), (467, 31975),

Gene: Getalong_21 Start: 17225, Stop: 18922, Start Num: 83

Candidate Starts for Getalong_21:

(Start: 67 @17186 has 15 MA's), (Start: 83 @17225 has 67 MA's), (Start: 87 @17237 has 1 MA's), (88, 17240), (96, 17276), (105, 17315), (112, 17336), (122, 17378), (125, 17384), (126, 17387), (128, 17399), (132, 17435), (140, 17471), (153, 17528), (163, 17576), (168, 17603), (185, 17705), (196, 17744), (206, 17801), (209, 17819), (213, 17828), (215, 17834), (227, 17882), (236, 17912), (241, 17948), (243, 17954), (246, 17975), (247, 17978), (258, 18029), (264, 18056), (265, 18059), (269, 18086), (275, 18113), (294, 18185), (303, 18224), (325, 18278), (338, 18350), (350, 18395), (373, 18485), (376, 18503), (390, 18587), (391, 18596), (392, 18599), (394, 18605), (397, 18620), (402, 18650), (404, 18656), (409, 18677), (410, 18680), (421, 18734), (431, 18764), (434, 18773), (450, 18824), (456, 18857), (459, 18869), (462, 18887),

Gene: Gezellig_32 Start: 25951, Stop: 27759, Start Num: 50

Candidate Starts for Gezellig_32:

(50, 25951), (Start: 62 @25993 has 73 MA's), (Start: 72 @26029 has 3 MA's), (Start: 84 @26062 has 7 MA's), (133, 26272), (134, 26275), (140, 26305), (154, 26371), (158, 26395), (160, 26404), (168, 26437), (200, 26590), (206, 26629), (219, 26680), (222, 26692), (227, 26710), (229, 26722), (233, 26734), (237, 26749), (242, 26779), (243, 26782), (246, 26803), (264, 26875), (273, 26923), (301, 27034), (310, 27067), (324, 27106), (325, 27109), (338, 27181), (358, 27247), (362, 27259), (392, 27430), (393, 27433), (402, 27481), (409, 27508), (414, 27535), (428, 27589), (459, 27706), (463, 27727), (467, 27754),

Gene: GiKK_21 Start: 15090, Stop: 16778, Start Num: 83

Candidate Starts for GiKK_21:

(16, 14670), (Start: 67 @15060 has 15 MA's), (Start: 79 @15087 has 8 MA's), (Start: 83 @15090 has 67 MA's), (120, 15231), (140, 15330), (150, 15375), (184, 15558), (191, 15588), (202, 15630), (206,

15660), (215, 15690), (217, 15702), (218, 15705), (239, 15795), (251, 15861), (254, 15876), (263, 15912), (267, 15927), (269, 15945), (279, 15984), (281, 15990), (302, 16074), (312, 16110), (313, 16113), (315, 16116), (320, 16131), (326, 16149), (327, 16152), (336, 16206), (373, 16335), (375, 16347), (378, 16362), (380, 16374), (391, 16446), (392, 16449), (393, 16452), (413, 16548), (431, 16617), (434, 16626), (462, 16743), (465, 16764), (466, 16770),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 83

Candidate Starts for Gibbous_18:

(Start: 83 @15938 has 67 MA's), (113, 16052), (121, 16085), (163, 16286), (171, 16322), (184, 16409), (206, 16511), (215, 16544), (217, 16556), (218, 16559), (233, 16616), (239, 16649), (243, 16664), (248, 16691), (254, 16730), (263, 16766), (265, 16772), (275, 16826), (282, 16850), (291, 16889), (293, 16895), (313, 16967), (320, 16985), (324, 16994), (326, 17003), (336, 17060), (339, 17078), (373, 17189), (375, 17201), (378, 17216), (380, 17228), (391, 17300), (392, 17303), (413, 17399), (418, 17426), (423, 17450), (431, 17468),

Gene: Glaske16_29 Start: 22367, Stop: 24103, Start Num: 67

Candidate Starts for Glaske16_29:

(34, 22145), (Start: 55 @22325 has 3 MA's), (Start: 58 @22340 has 2 MA's), (Start: 67 @22367 has 15 MA's), (75, 22382), (89, 22421), (95, 22451), (97, 22457), (100, 22469), (129, 22574), (131, 22589), (140, 22628), (166, 22751), (169, 22760), (184, 22856), (195, 22898), (196, 22901), (237, 23078), (259, 23189), (264, 23216), (278, 23288), (279, 23297), (280, 23300), (283, 23312), (314, 23432), (316, 23435), (328, 23477), (333, 23507), (335, 23513), (368, 23633), (370, 23639), (448, 23993), (454, 24020), (458, 24038), (460, 24047),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 79

Candidate Starts for GoldHunter_19:

(Start: 79 @15730 has 8 MA's), (Start: 83 @15733 has 67 MA's), (133, 15943), (158, 16066), (171, 16117), (184, 16204), (186, 16213), (191, 16234), (196, 16249), (199, 16261), (215, 16339), (217, 16351), (225, 16378), (233, 16411), (239, 16444), (242, 16456), (250, 16498), (275, 16621), (294, 16693), (315, 16771), (320, 16786), (326, 16804), (336, 16861), (367, 16954), (373, 16990), (375, 17002), (376, 17008), (379, 17020), (380, 17029), (391, 17101), (392, 17104), (394, 17110), (396, 17122), (409, 17182), (418, 17227), (420, 17236), (431, 17269), (452, 17335),

Gene: GoongGoong_49 Start: 26620, Stop: 28332, Start Num: 74

Candidate Starts for GoongGoong_49:

(56, 26557), (Start: 74 @26620 has 53 MA's), (98, 26701), (116, 26758), (132, 26839), (134, 26845), (145, 26902), (146, 26914), (150, 26926), (158, 26965), (162, 26980), (177, 27049), (184, 27103), (186, 27112), (222, 27268), (237, 27316), (238, 27325), (239, 27334), (247, 27373), (250, 27388), (264, 27451), (267, 27463), (292, 27580), (293, 27583), (306, 27634), (313, 27661), (316, 27664), (322, 27685), (331, 27727), (366, 27847), (370, 27865), (394, 28009), (402, 28054), (406, 28072), (426, 28156), (438, 28183), (442, 28204), (454, 28249), (455, 28255), (458, 28267), (461, 28279), (463, 28291), (466, 28315), (468, 28321),

Gene: Guey18_58 Start: 29129, Stop: 30814, Start Num: 77

Candidate Starts for Guey18_58:

(38, 28937), (39, 28946), (40, 28952), (54, 29054), (63, 29084), (Start: 77 @29129 has 6 MA's), (118, 29270), (151, 29429), (163, 29483), (192, 29639), (215, 29738), (227, 29786), (243, 29858), (263, 29948), (295, 30086), (336, 30245), (347, 30296), (349, 30299), (354, 30311), (375, 30386), (378, 30401), (391, 30485), (409, 30566), (440, 30677), (463, 30782), (465, 30800),

Gene: Gustavo_34 Start: 29639, Stop: 31402, Start Num: 62

Candidate Starts for Gustavo_34:

(Start: 62 @29639 has 73 MA's), (Start: 72 @29675 has 3 MA's), (109, 29804), (112, 29813), (131, 29909), (134, 29918), (148, 29987), (158, 30038), (160, 30047), (169, 30083), (173, 30098), (176, 30116), (185, 30179), (198, 30224), (200, 30233), (225, 30344), (227, 30353), (230, 30368), (237, 30392), (242, 30422), (292, 30644), (298, 30662), (301, 30677), (313, 30719), (324, 30749), (349, 30869), (374, 30962), (392, 31073), (393, 31076), (402, 31124), (409, 31151), (414, 31178), (428, 31232),

Gene: GuuelaD_18 Start: 17023, Stop: 18756, Start Num: 74

Candidate Starts for GuuelaD_18:

(Start: 74 @17023 has 53 MA's), (95, 17092), (131, 17233), (132, 17236), (139, 17266), (142, 17281), (147, 17314), (150, 17323), (157, 17359), (171, 17413), (176, 17440), (184, 17503), (185, 17509), (194, 17542), (205, 17590), (231, 17695), (237, 17719), (238, 17728), (246, 17773), (250, 17791), (256, 17824), (264, 17866), (289, 17986), (306, 18049), (328, 18121), (334, 18154), (335, 18157), (360, 18238), (365, 18256), (368, 18277), (370, 18283), (372, 18295), (382, 18358), (398, 18445), (402, 18472), (411, 18505), (417, 18541), (422, 18556), (433, 18592), (454, 18670), (458, 18688),

Gene: Hafay_18 Start: 17022, Stop: 18755, Start Num: 74

Candidate Starts for Hafay_18:

(Start: 74 @17022 has 53 MA's), (95, 17091), (131, 17232), (132, 17235), (142, 17280), (147, 17313), (150, 17322), (157, 17358), (171, 17412), (176, 17439), (178, 17451), (184, 17502), (185, 17508), (194, 17541), (231, 17694), (237, 17718), (238, 17727), (246, 17772), (249, 17787), (264, 17865), (289, 17985), (306, 18048), (328, 18120), (335, 18156), (368, 18276), (370, 18282), (372, 18294), (382, 18357), (398, 18444), (402, 18471), (417, 18540), (422, 18555), (424, 18567), (433, 18591), (454, 18669),

Gene: Halena_18 Start: 16747, Stop: 18516, Start Num: 61

Candidate Starts for Halena_18:

(Start: 47 @16684 has 1 MA's), (52, 16705), (53, 16720), (Start: 61 @16747 has 40 MA's), (91, 16840), (102, 16888), (103, 16894), (115, 16921), (116, 16924), (118, 16930), (131, 17002), (134, 17011), (139, 17035), (142, 17050), (146, 17080), (176, 17206), (177, 17215), (180, 17236), (182, 17251), (198, 17320), (205, 17356), (207, 17377), (226, 17446), (237, 17485), (264, 17623), (267, 17635), (282, 17710), (284, 17716), (287, 17734), (298, 17773), (306, 17806), (308, 17815), (311, 17824), (314, 17833), (316, 17836), (342, 17956), (354, 17992), (370, 18040), (372, 18052), (381, 18106), (398, 18202), (400, 18220), (401, 18226), (402, 18229), (411, 18262), (415, 18286), (433, 18349), (444, 18391), (454, 18430), (458, 18448), (462, 18469), (465, 18490),

Gene: Halo3_32 Start: 26286, Stop: 28052, Start Num: 62

Candidate Starts for Halo3_32:

(50, 26244), (Start: 62 @26286 has 73 MA's), (Start: 72 @26322 has 3 MA's), (Start: 84 @26355 has 7 MA's), (133, 26565), (134, 26568), (140, 26598), (154, 26664), (158, 26688), (160, 26697), (168, 26730), (200, 26883), (206, 26922), (219, 26973), (222, 26985), (227, 27003), (229, 27015), (233, 27027), (237, 27042), (242, 27072), (243, 27075), (246, 27096), (264, 27168), (273, 27216), (301, 27327), (310, 27360), (324, 27399), (325, 27402), (338, 27474), (358, 27540), (362, 27552), (392, 27723), (393, 27726), (402, 27774), (409, 27801), (414, 27828), (428, 27882), (459, 27999), (463, 28020), (467, 28047),

Gene: HannahD_19 Start: 16647, Stop: 18377, Start Num: 81

Candidate Starts for HannahD_19:

(46, 16527), (Start: 67 @16611 has 15 MA's), (Start: 81 @16647 has 4 MA's), (113, 16767), (130, 16851), (138, 16884), (143, 16917), (163, 17001), (203, 17202), (209, 17244), (219, 17280), (227, 17310), (233, 17334), (241, 17376), (246, 17403), (247, 17406), (259, 17460), (261, 17466), (279, 17553), (369, 17913), (373, 17937), (376, 17955), (392, 18051), (396, 18069), (436, 18228), (457, 18315), (462, 18342),

Gene: Hedwig_20 Start: 16954, Stop: 18648, Start Num: 86

Candidate Starts for Hedwig_20:

(Start: 72 @16924 has 3 MA's), (Start: 86 @16954 has 11 MA's), (112, 17056), (125, 17107), (134, 17164), (143, 17215), (160, 17293), (163, 17299), (191, 17449), (219, 17572), (236, 17632), (241, 17668), (249, 17710), (259, 17752), (264, 17776), (269, 17806), (336, 18067), (358, 18142), (368, 18184), (376, 18229), (392, 18325), (393, 18328), (396, 18343), (436, 18502), (437, 18508), (459, 18595), (466, 18640),

Gene: Hexbug_20 Start: 15776, Stop: 17464, Start Num: 83

Candidate Starts for Hexbug_20:

(Start: 67 @15746 has 15 MA's), (Start: 79 @15773 has 8 MA's), (Start: 83 @15776 has 67 MA's), (120, 15917), (140, 16016), (151, 16067), (156, 16094), (184, 16244), (191, 16274), (199, 16301), (203, 16322), (205, 16331), (206, 16346), (215, 16376), (217, 16388), (219, 16394), (220, 16397), (224, 16412), (239, 16481), (254, 16562), (265, 16604), (267, 16613), (269, 16631), (281, 16676), (302, 16760), (312, 16796), (313, 16799), (315, 16802), (320, 16817), (326, 16835), (336, 16892), (343, 16925), (373, 17021), (375, 17033), (376, 17039), (378, 17048), (380, 17060), (391, 17132), (392, 17135), (393, 17138), (396, 17153), (418, 17261), (420, 17270), (431, 17303), (434, 17312), (464, 17441), (466, 17456),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 83

Candidate Starts for HippoPololi_20:

(Start: 67 @16559 has 15 MA's), (Start: 83 @16592 has 67 MA's), (Start: 87 @16604 has 1 MA's), (113, 16706), (120, 16736), (163, 16940), (171, 16976), (179, 17018), (184, 17063), (206, 17165), (215, 17198), (217, 17210), (218, 17213), (233, 17270), (239, 17303), (243, 17318), (248, 17345), (254, 17384), (265, 17426), (267, 17435), (275, 17480), (282, 17504), (291, 17543), (320, 17639), (324, 17648), (326, 17657), (336, 17714), (339, 17732), (367, 17807), (375, 17855), (378, 17870), (380, 17882), (391, 17954), (392, 17957), (393, 17960), (394, 17963), (413, 18053), (418, 18080), (431, 18122), (434, 18131), (437, 18140),

Gene: Holliday_20 Start: 16421, Stop: 18118, Start Num: 83

Candidate Starts for Holliday_20:

(Start: 67 @16382 has 15 MA's), (Start: 83 @16421 has 67 MA's), (Start: 87 @16433 has 1 MA's), (96, 16472), (105, 16511), (112, 16532), (125, 16580), (127, 16589), (132, 16631), (140, 16667), (153, 16724), (163, 16772), (168, 16799), (196, 16940), (206, 16997), (209, 17015), (213, 17024), (215, 17030), (227, 17078), (236, 17108), (241, 17144), (243, 17150), (246, 17171), (247, 17174), (258, 17225), (264, 17252), (265, 17255), (269, 17282), (275, 17309), (294, 17381), (303, 17420), (325, 17474), (333, 17516), (350, 17591), (368, 17654), (373, 17681), (374, 17684), (376, 17699), (390, 17783), (391, 17792), (392, 17795), (394, 17801), (396, 17813), (397, 17816), (402, 17846), (404, 17852), (409, 17873), (410, 17876), (421, 17930), (431, 17960), (434, 17969), (450, 18020), (456, 18053), (459, 18065), (462, 18083),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 83

Candidate Starts for Horseradish_19:

(Start: 67 @15246 has 15 MA's), (Start: 79 @15273 has 8 MA's), (Start: 83 @15276 has 67 MA's), (133, 15486), (169, 15654), (171, 15660), (189, 15768), (199, 15804), (205, 15834), (206, 15849), (215, 15882), (217, 15894), (227, 15930), (239, 15987), (242, 15999), (267, 16119), (270, 16140), (275, 16164), (315, 16314), (320, 16329), (326, 16347), (336, 16404), (373, 16533), (375, 16545), (379, 16563), (380, 16572), (391, 16644), (392, 16647), (394, 16653), (396, 16665), (418, 16770), (420, 16779), (431, 16812), (462, 16938),

Gene: Horus_20 Start: 16434, Stop: 18131, Start Num: 83

Candidate Starts for Horus_20:

(Start: 67 @16395 has 15 MA's), (Start: 83 @16434 has 67 MA's), (Start: 87 @16446 has 1 MA's), (88, 16449), (96, 16485), (105, 16524), (112, 16545), (122, 16587), (125, 16593), (126, 16596), (128, 16608), (132, 16644), (140, 16680), (153, 16737), (163, 16785), (168, 16812), (185, 16914), (196, 16953), (206, 17010), (209, 17028), (213, 17037), (215, 17043), (227, 17091), (236, 17121), (241, 17157), (243, 17163), (246, 17184), (247, 17187), (258, 17238), (264, 17265), (265, 17268), (269, 17295), (275, 17322), (294, 17394), (303, 17433), (325, 17487), (338, 17559), (350, 17604), (373, 17694), (376, 17712), (390, 17796), (391, 17805), (392, 17808), (394, 17814), (397, 17829), (402, 17859), (404, 17865), (409, 17886), (410, 17889), (421, 17943), (431, 17973), (434, 17982), (450, 18033), (456, 18066), (459, 18078), (462, 18096),

Gene: Huphlepuuff_52 Start: 27205, Stop: 28917, Start Num: 74

Candidate Starts for Huphlepuuff_52:

(56, 27142), (Start: 74 @27205 has 53 MA's), (98, 27286), (116, 27343), (132, 27424), (134, 27430), (145, 27487), (146, 27499), (150, 27511), (158, 27550), (162, 27565), (177, 27634), (184, 27688), (186, 27697), (222, 27853), (237, 27901), (238, 27910), (239, 27919), (247, 27958), (250, 27973), (264, 28036), (267, 28048), (292, 28165), (293, 28168), (306, 28219), (313, 28246), (316, 28249), (322, 28270), (331, 28312), (366, 28432), (370, 28450), (394, 28594), (402, 28639), (406, 28657), (426, 28741), (429, 28750), (438, 28768), (442, 28789), (454, 28834), (455, 28840), (458, 28852), (461, 28864), (463, 28876), (466, 28900), (468, 28906),

Gene: IPhane7_28 Start: 22368, Stop: 24104, Start Num: 67

Candidate Starts for IPhane7_28:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079), (259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: Ibrahim_19 Start: 16980, Stop: 18686, Start Num: 74

Candidate Starts for Ibrahim_19:

(45, 16872), (49, 16884), (Start: 74 @16980 has 53 MA's), (95, 17046), (120, 17121), (122, 17127), (138, 17211), (147, 17265), (157, 17310), (158, 17313), (174, 17379), (237, 17664), (282, 17886), (331, 18075), (370, 18213), (372, 18225), (402, 18402), (411, 18438), (454, 18603), (460, 18630), (466, 18669), (468, 18675),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 74

Candidate Starts for IdentityCrisis_17:

(Start: 74 @14307 has 53 MA's), (100, 14379), (121, 14460), (128, 14484), (134, 14526), (154, 14628), (158, 14652), (161, 14670), (185, 14805), (196, 14844), (214, 14949), (221, 14979), (235, 15027), (279, 15243), (313, 15375), (336, 15471), (347, 15522), (375, 15648), (376, 15654), (391, 15747), (392, 15750), (425, 15897), (431, 15912), (463, 16041), (464, 16050),

Gene: Itos_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Itos_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Izel_27 Start: 22325, Stop: 24103, Start Num: 55

Candidate Starts for Izel_27:

(34, 22145), (Start: 55 @22325 has 3 MA's), (Start: 58 @22340 has 2 MA's), (Start: 67 @22367 has 15 MA's), (75, 22382), (89, 22421), (95, 22451), (97, 22457), (100, 22469), (129, 22574), (131, 22589), (140, 22628), (166, 22751), (169, 22760), (184, 22856), (195, 22898), (196, 22901), (237, 23078), (259, 23189), (264, 23216), (278, 23288), (279, 23297), (280, 23300), (283, 23312), (314, 23432), (316, 23435), (328, 23477), (333, 23507), (335, 23513), (368, 23633), (370, 23639), (448, 23993), (454, 24020), (458, 24038), (460, 24047),

Gene: JKSyngboy_32 Start: 30214, Stop: 31977, Start Num: 62

Candidate Starts for JKSyngboy_32:

(Start: 62 @30214 has 73 MA's), (Start: 72 @30250 has 3 MA's), (109, 30379), (112, 30388), (117, 30412), (131, 30484), (134, 30493), (148, 30562), (158, 30613), (160, 30622), (169, 30658), (173, 30673), (176, 30691), (185, 30754), (198, 30799), (200, 30808), (227, 30928), (230, 30943), (233, 30952), (237, 30967), (242, 30997), (298, 31237), (301, 31252), (313, 31294), (315, 31297), (324, 31324), (368, 31507), (392, 31648), (393, 31651), (402, 31699), (409, 31726), (414, 31753), (428, 31807), (439, 31834),

Gene: Jabbawokkie_21 Start: 14267, Stop: 15931, Start Num: 84

Candidate Starts for Jabbawokkie_21:

(Start: 84 @14267 has 7 MA's), (104, 14348), (113, 14378), (118, 14399), (121, 14411), (134, 14477), (142, 14516), (143, 14528), (150, 14552), (161, 14609), (163, 14612), (167, 14636), (169, 14642), (170, 14645), (179, 14690), (181, 14708), (186, 14744), (209, 14855), (220, 14891), (227, 14918), (229, 14930), (230, 14933), (239, 14975), (242, 14987), (246, 15011), (261, 15065), (282, 15164), (307, 15257), (315, 15284), (319, 15296), (335, 15347), (336, 15362), (349, 15416), (363, 15443), (392, 15605), (393, 15608), (394, 15611), (418, 15728), (431, 15770), (453, 15854), (463, 15899), (465, 15917),

Gene: Jabberwocky_33 Start: 31361, Stop: 33124, Start Num: 62

Candidate Starts for Jabberwocky_33:

(57, 31343), (Start: 62 @31361 has 73 MA's), (Start: 72 @31397 has 3 MA's), (112, 31535), (131, 31631), (134, 31640), (148, 31709), (158, 31760), (169, 31805), (173, 31820), (185, 31901), (198, 31946), (200, 31955), (219, 32045), (227, 32075), (230, 32090), (237, 32114), (242, 32144), (266, 32249), (292, 32366), (298, 32384), (301, 32399), (309, 32429), (313, 32441), (315, 32444), (324, 32471), (392, 32795), (393, 32798), (402, 32846), (409, 32873), (414, 32900), (428, 32954), (439, 32981), (465, 33110),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 76

Candidate Starts for Jablanski_20:

(Start: 67 @17653 has 15 MA's), (Start: 76 @17677 has 17 MA's), (112, 17782), (123, 17824), (137, 17899), (158, 18013), (184, 18160), (185, 18166), (232, 18349), (245, 18424), (313, 18706), (321, 18727), (336, 18802), (370, 18925), (375, 18958), (376, 18964), (387, 19030), (392, 19060), (428, 19216), (431, 19222), (437, 19240), (463, 19351),

Gene: Jambalaya_31 Start: 25640, Stop: 27406, Start Num: 62

Candidate Starts for Jambalaya_31:

(50, 25598), (Start: 62 @25640 has 73 MA's), (Start: 72 @25676 has 3 MA's), (Start: 84 @25709 has 7 MA's), (133, 25919), (134, 25922), (140, 25952), (154, 26018), (158, 26042), (160, 26051), (168, 26084), (200, 26237), (206, 26276), (219, 26327), (222, 26339), (227, 26357), (229, 26369), (233, 26381), (237, 26396), (242, 26426), (243, 26429), (246, 26450), (264, 26522), (273, 26570), (301, 26681), (310, 26714), (324, 26753), (325, 26756), (338, 26828), (358, 26894), (362, 26906), (392, 27077), (395, 27089), (396, 27095), (402, 27128), (409, 27155), (414, 27182), (428, 27236), (459, 27353), (463, 27374), (467, 27401),

Gene: Jamzy_21 Start: 15100, Stop: 16788, Start Num: 83

Candidate Starts for Jamzy_21:

(1, 14440), (11, 14623), (Start: 67 @15070 has 15 MA's), (Start: 79 @15097 has 8 MA's), (Start: 83 @15100 has 67 MA's), (120, 15241), (140, 15340), (150, 15385), (184, 15568), (191, 15598), (202, 15640), (206, 15670), (215, 15700), (217, 15712), (218, 15715), (239, 15805), (251, 15871), (254, 15886), (263, 15922), (267, 15937), (269, 15955), (279, 15994), (281, 16000), (302, 16084), (312, 16120), (313, 16123), (315, 16126), (320, 16141), (326, 16159), (327, 16162), (336, 16216), (373, 16345), (375, 16357), (378, 16372), (380, 16384), (391, 16456), (392, 16459), (393, 16462), (413, 16558), (431, 16627), (434, 16636), (464, 16765), (465, 16774), (466, 16780),

Gene: Jobypre_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for Jobypre_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (138, 17652), (139, 17658), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726), (394, 18804), (402, 18849), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: JoeDirt_18 Start: 16738, Stop: 18507, Start Num: 61

Candidate Starts for JoeDirt_18:

(Start: 47 @16675 has 1 MA's), (52, 16696), (53, 16711), (Start: 61 @16738 has 40 MA's), (91, 16831), (102, 16879), (103, 16885), (115, 16912), (118, 16921), (131, 16993), (134, 17002), (139, 17026), (142, 17041), (146, 17071), (176, 17197), (177, 17206), (180, 17227), (182, 17242), (198, 17311), (205, 17347), (207, 17368), (226, 17437), (237, 17476), (264, 17614), (267, 17626), (282, 17701), (284, 17707), (287, 17725), (298, 17764), (306, 17797), (308, 17806), (311, 17815), (314, 17824), (342, 17947), (354, 17983), (370, 18031), (372, 18043), (381, 18097), (398, 18193), (400, 18211), (401, 18217), (402, 18220), (411, 18253), (415, 18277), (433, 18340), (444, 18382), (454, 18421), (458, 18439), (462, 18460), (465, 18481),

Gene: JoieB_51 Start: 27397, Stop: 29109, Start Num: 74

Candidate Starts for JoieB_51:

(56, 27334), (Start: 74 @27397 has 53 MA's), (98, 27478), (116, 27535), (132, 27616), (134, 27622), (145, 27679), (146, 27691), (150, 27703), (158, 27742), (162, 27757), (177, 27826), (184, 27880), (186, 27889), (222, 28045), (237, 28093), (238, 28102), (239, 28111), (247, 28150), (250, 28165), (264, 28228), (267, 28240), (292, 28357), (293, 28360), (306, 28411), (313, 28438), (316, 28441), (322, 28462), (331, 28504), (366, 28624), (370, 28642), (394, 28786), (402, 28831), (406, 28849), (426, 28933), (429, 28942), (438, 28960), (442, 28981), (454, 29026), (455, 29032), (458, 29044), (461, 29056), (464, 29077), (466, 29092), (468, 29098),

Gene: Jubie_19 Start: 17374, Stop: 19137, Start Num: 61

Candidate Starts for Jubie_19:

(Start: 61 @17374 has 40 MA's), (70, 17401), (91, 17464), (102, 17512), (103, 17518), (118, 17554), (132, 17629), (138, 17653), (139, 17659), (150, 17716), (176, 17830), (178, 17842), (200, 17953), (235, 18097), (237, 18109), (243, 18142), (282, 18331), (284, 18337), (298, 18394), (308, 18436), (311, 18445), (316, 18457), (334, 18532), (349, 18601), (354, 18613), (370, 18661), (381, 18727), (394, 18805), (402, 18850), (415, 18907), (433, 18970), (441, 19006), (448, 19021), (454, 19051), (455, 19057), (458, 19069), (460, 19078), (462, 19090),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 87

Candidate Starts for Juicebox_19:

(4, 17085), (6, 17160), (8, 17184), (32, 17439), (35, 17457), (45, 17586), (Start: 83 @17718 has 67 MA's), (Start: 87 @17730 has 1 MA's), (99, 17781), (111, 17826), (134, 17943), (180, 18159), (188,

18204), (190, 18213), (237, 18405), (246, 18459), (263, 18531), (313, 18732), (315, 18735), (323, 18762), (324, 18765), (330, 18801), (332, 18807), (336, 18831), (340, 18852), (342, 18861), (345, 18870), (346, 18873), (378, 18990), (390, 19065), (391, 19074), (437, 19260), (439, 19263), (450, 19302), (457, 19341), (467, 19395),

Gene: Kahlid_18 Start: 16994, Stop: 18727, Start Num: 74

Candidate Starts for Kahlid_18:

(Start: 74 @16994 has 53 MA's), (95, 17063), (131, 17204), (132, 17207), (142, 17252), (147, 17285), (150, 17294), (157, 17330), (171, 17384), (176, 17411), (178, 17423), (184, 17474), (185, 17480), (194, 17513), (231, 17666), (237, 17690), (238, 17699), (246, 17744), (249, 17759), (264, 17837), (289, 17957), (306, 18020), (328, 18092), (335, 18128), (368, 18248), (370, 18254), (372, 18266), (382, 18329), (398, 18416), (402, 18443), (417, 18512), (422, 18527), (424, 18539), (433, 18563), (454, 18641),

Gene: Kamaru_20 Start: 16421, Stop: 18118, Start Num: 83

Candidate Starts for Kamaru_20:

(Start: 67 @16382 has 15 MA's), (Start: 83 @16421 has 67 MA's), (Start: 87 @16433 has 1 MA's), (96, 16472), (105, 16511), (112, 16532), (125, 16580), (127, 16589), (132, 16631), (140, 16667), (153, 16724), (163, 16772), (168, 16799), (196, 16940), (206, 16997), (209, 17015), (213, 17024), (215, 17030), (227, 17078), (236, 17108), (241, 17144), (243, 17150), (246, 17171), (247, 17174), (258, 17225), (264, 17252), (265, 17255), (269, 17282), (275, 17309), (294, 17381), (303, 17420), (325, 17474), (333, 17516), (350, 17591), (368, 17654), (373, 17681), (374, 17684), (376, 17699), (390, 17783), (391, 17792), (392, 17795), (394, 17801), (396, 17813), (397, 17816), (402, 17846), (404, 17852), (409, 17873), (410, 17876), (421, 17930), (431, 17960), (434, 17969), (450, 18020), (456, 18053), (459, 18065), (462, 18083),

Gene: Kamashten_34 Start: 30813, Stop: 32576, Start Num: 62

Candidate Starts for Kamashten_34:

(57, 30795), (Start: 62 @30813 has 73 MA's), (Start: 72 @30849 has 3 MA's), (112, 30987), (131, 31083), (134, 31092), (148, 31161), (158, 31212), (169, 31257), (173, 31272), (185, 31353), (198, 31398), (200, 31407), (206, 31446), (219, 31497), (220, 31500), (227, 31527), (230, 31542), (237, 31566), (242, 31596), (266, 31701), (292, 31818), (298, 31836), (301, 31851), (309, 31881), (313, 31893), (315, 31896), (324, 31923), (392, 32247), (393, 32250), (402, 32298), (409, 32325), (414, 32352), (428, 32406), (439, 32433), (465, 32562),

Gene: KayGee_18 Start: 15418, Stop: 17112, Start Num: 83

Candidate Starts for KayGee_18:

(Start: 79 @15415 has 8 MA's), (Start: 83 @15418 has 67 MA's), (110, 15517), (120, 15559), (171, 15799), (184, 15886), (189, 15907), (191, 15916), (199, 15943), (206, 15988), (215, 16021), (218, 16036), (225, 16060), (233, 16093), (239, 16126), (242, 16138), (252, 16195), (260, 16225), (263, 16243), (268, 16273), (275, 16303), (291, 16366), (304, 16417), (315, 16453), (320, 16468), (326, 16486), (336, 16543), (338, 16552), (373, 16672), (375, 16684), (383, 16732), (391, 16783), (392, 16786), (396, 16804), (413, 16882), (418, 16909), (431, 16951), (465, 17098), (466, 17104),

Gene: Keelan_51 Start: 27923, Stop: 29611, Start Num: 77

Candidate Starts for Keelan_51:

(Start: 77 @27923 has 6 MA's), (112, 28037), (151, 28223), (163, 28277), (192, 28433), (215, 28535), (227, 28583), (239, 28640), (279, 28817), (293, 28874), (295, 28883), (313, 28946), (336, 29042), (338, 29051), (354, 29108), (375, 29183), (378, 29198), (391, 29282), (409, 29363), (410, 29366), (413, 29381), (431, 29450), (463, 29579),

Gene: Keitabear_35 Start: 32178, Stop: 33941, Start Num: 62

Candidate Starts for Keitabear_35:

(57, 32160), (Start: 62 @32178 has 73 MA's), (Start: 72 @32214 has 3 MA's), (112, 32352), (131, 32448), (134, 32457), (148, 32526), (158, 32577), (169, 32622), (173, 32637), (185, 32718), (198, 32763), (200, 32772), (219, 32862), (227, 32892), (230, 32907), (237, 32931), (242, 32961), (266, 33066), (292, 33183), (298, 33201), (301, 33216), (313, 33258), (315, 33261), (324, 33288), (390, 33600), (392, 33612), (393, 33615), (402, 33663), (409, 33690), (414, 33717), (428, 33771), (459, 33888), (467, 33936),

Gene: Kenna_19 Start: 16428, Stop: 18125, Start Num: 83

Candidate Starts for Kenna_19:

(Start: 67 @16389 has 15 MA's), (Start: 83 @16428 has 67 MA's), (Start: 87 @16440 has 1 MA's), (96, 16479), (105, 16518), (112, 16539), (125, 16587), (127, 16596), (132, 16638), (140, 16674), (153, 16731), (163, 16779), (168, 16806), (196, 16947), (206, 17004), (209, 17022), (213, 17031), (215, 17037), (236, 17115), (241, 17151), (243, 17157), (246, 17178), (247, 17181), (258, 17232), (264, 17259), (265, 17262), (269, 17289), (275, 17316), (294, 17388), (303, 17427), (325, 17481), (333, 17523), (350, 17598), (368, 17661), (373, 17688), (374, 17691), (376, 17706), (390, 17790), (391, 17799), (392, 17802), (394, 17808), (396, 17820), (397, 17823), (402, 17853), (404, 17859), (409, 17880), (410, 17883), (421, 17937), (431, 17967), (434, 17976), (450, 18027), (456, 18060), (459, 18072), (462, 18090),

Gene: Kewpiedoll_34 Start: 30220, Stop: 31983, Start Num: 62

Candidate Starts for Kewpiedoll_34:

(57, 30202), (Start: 62 @30220 has 73 MA's), (Start: 72 @30256 has 3 MA's), (112, 30394), (131, 30490), (134, 30499), (148, 30568), (158, 30619), (169, 30664), (173, 30679), (185, 30760), (198, 30805), (200, 30814), (219, 30904), (227, 30934), (230, 30949), (237, 30973), (242, 31003), (266, 31108), (292, 31225), (298, 31243), (301, 31258), (309, 31288), (313, 31300), (315, 31303), (324, 31330), (392, 31654), (393, 31657), (402, 31705), (409, 31732), (414, 31759), (428, 31813), (439, 31840), (465, 31969),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 86

Candidate Starts for Kiko_20:

(Start: 67 @16663 has 15 MA's), (Start: 72 @16675 has 3 MA's), (Start: 86 @16705 has 11 MA's), (125, 16858), (134, 16915), (138, 16933), (140, 16945), (143, 16966), (160, 17044), (182, 17152), (185, 17176), (191, 17200), (206, 17272), (219, 17323), (241, 17419), (247, 17449), (259, 17503), (261, 17509), (269, 17557), (300, 17683), (336, 17818), (337, 17824), (338, 17827), (358, 17893), (376, 17980), (392, 18076), (393, 18079), (396, 18094), (409, 18154), (436, 18253), (437, 18259), (459, 18346), (466, 18391),

Gene: KimmyK_33 Start: 26575, Stop: 28341, Start Num: 62

Candidate Starts for KimmyK_33:

(50, 26533), (Start: 62 @26575 has 73 MA's), (Start: 72 @26611 has 3 MA's), (Start: 84 @26644 has 7 MA's), (133, 26854), (134, 26857), (140, 26887), (154, 26953), (158, 26977), (160, 26986), (168, 27019), (200, 27172), (206, 27211), (219, 27262), (222, 27274), (227, 27292), (229, 27304), (233, 27316), (237, 27331), (242, 27361), (243, 27364), (246, 27385), (264, 27457), (273, 27505), (301, 27616), (310, 27649), (324, 27688), (325, 27691), (338, 27763), (358, 27829), (362, 27841), (392, 28012), (393, 28015), (402, 28063), (409, 28090), (414, 28117), (428, 28171), (459, 28288), (463, 28309), (467, 28336),

Gene: Kingsolomon_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for Kingsolomon_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (138, 17652), (139, 17658), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726),

(394, 18804), (402, 18849), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: KirDoubleO7_17 Start: 17382, Stop: 19145, Start Num: 61

Candidate Starts for KirDoubleO7_17:

(Start: 61 @17382 has 40 MA's), (70, 17409), (91, 17472), (102, 17520), (103, 17526), (118, 17562), (132, 17637), (150, 17724), (176, 17838), (178, 17850), (200, 17961), (235, 18105), (237, 18117), (239, 18135), (243, 18150), (282, 18339), (298, 18402), (306, 18435), (308, 18444), (311, 18453), (316, 18465), (334, 18540), (349, 18609), (354, 18621), (370, 18669), (381, 18735), (394, 18813), (398, 18831), (402, 18858), (413, 18903), (415, 18915), (433, 18978), (441, 19014), (448, 19029), (454, 19059), (455, 19065), (458, 19077), (460, 19086), (462, 19098),

Gene: Kroos_35 Start: 30392, Stop: 32155, Start Num: 62

Candidate Starts for Kroos_35:

(Start: 62 @30392 has 73 MA's), (Start: 72 @30428 has 3 MA's), (109, 30557), (112, 30566), (117, 30590), (131, 30662), (134, 30671), (148, 30740), (158, 30791), (169, 30836), (173, 30851), (176, 30869), (185, 30932), (198, 30977), (200, 30986), (227, 31106), (230, 31121), (233, 31130), (237, 31145), (242, 31175), (292, 31397), (298, 31415), (301, 31430), (313, 31472), (315, 31475), (324, 31502), (349, 31622), (374, 31715), (392, 31826), (393, 31829), (402, 31877), (409, 31904), (414, 31931), (428, 31985),

Gene: Kropertea_18 Start: 16595, Stop: 18358, Start Num: 61

Candidate Starts for Kropertea_18:

(Start: 61 @16595 has 40 MA's), (103, 16736), (116, 16766), (131, 16844), (132, 16847), (175, 17045), (176, 17048), (178, 17060), (181, 17081), (203, 17189), (207, 17219), (237, 17327), (238, 17336), (244, 17375), (249, 17396), (282, 17552), (298, 17615), (308, 17657), (311, 17666), (316, 17678), (335, 17756), (370, 17882), (371, 17891), (375, 17915), (391, 18017), (394, 18026), (398, 18044), (402, 18071), (415, 18128), (433, 18191), (441, 18227), (448, 18242), (454, 18272), (460, 18299), (462, 18311), (465, 18332),

Gene: Krypton555_19 Start: 17311, Stop: 19074, Start Num: 61

Candidate Starts for Krypton555_19:

(Start: 61 @17311 has 40 MA's), (70, 17338), (91, 17401), (103, 17455), (118, 17491), (132, 17566), (138, 17590), (139, 17596), (150, 17653), (176, 17767), (178, 17779), (200, 17890), (235, 18034), (237, 18046), (282, 18268), (284, 18274), (298, 18331), (308, 18373), (311, 18382), (316, 18394), (334, 18469), (347, 18535), (354, 18550), (370, 18598), (381, 18664), (394, 18742), (402, 18787), (415, 18844), (433, 18907), (441, 18943), (448, 18958), (454, 18988), (455, 18994), (458, 19006), (460, 19015), (462, 19027),

Gene: Kudetre_27 Start: 21780, Stop: 23531, Start Num: 71

Candidate Starts for Kudetre_27:

(51, 21702), (65, 21765), (Start: 71 @21780 has 7 MA's), (Start: 80 @21804 has 5 MA's), (95, 21861), (102, 21888), (114, 21915), (119, 21933), (121, 21942), (122, 21945), (132, 22005), (146, 22080), (152, 22101), (157, 22140), (177, 22230), (181, 22254), (184, 22284), (199, 22341), (204, 22365), (226, 22458), (231, 22473), (234, 22482), (237, 22497), (238, 22506), (243, 22530), (246, 22551), (257, 22605), (262, 22623), (277, 22704), (279, 22716), (286, 22740), (316, 22854), (339, 22962), (346, 22986), (360, 23013), (370, 23058), (374, 23082), (382, 23133), (390, 23181), (394, 23199), (404, 23250), (412, 23286), (424, 23337), (426, 23343), (435, 23367), (445, 23406), (450, 23421), (454, 23448), (461, 23478), (463, 23490), (468, 23520),

Gene: Kumao_28 Start: 21466, Stop: 23190, Start Num: 66

Candidate Starts for Kumao_28:

(Start: 55 @21427 has 3 MA's), (Start: 66 @21466 has 1 MA's), (100, 21556), (140, 21718), (146, 21757), (147, 21760), (164, 21823), (169, 21850), (184, 21946), (195, 21988), (209, 22066), (220, 22108), (237, 22168), (239, 22186), (259, 22279), (279, 22384), (280, 22387), (282, 22396), (292, 22438), (316, 22522), (370, 22726), (372, 22738), (388, 22843), (408, 22942), (415, 22975), (426, 23014), (427, 23020), (443, 23068), (454, 23107), (455, 23113), (468, 23179),

Gene: Kwobi_35 Start: 30378, Stop: 32141, Start Num: 62

Candidate Starts for Kwobi_35:

(Start: 62 @30378 has 73 MA's), (Start: 72 @30414 has 3 MA's), (109, 30543), (112, 30552), (117, 30576), (131, 30648), (134, 30657), (148, 30726), (158, 30777), (169, 30822), (173, 30837), (176, 30855), (185, 30918), (198, 30963), (200, 30972), (227, 31092), (230, 31107), (233, 31116), (237, 31131), (242, 31161), (292, 31383), (298, 31401), (301, 31416), (313, 31458), (315, 31461), (324, 31488), (349, 31608), (374, 31701), (392, 31812), (393, 31815), (402, 31863), (409, 31890), (414, 31917), (428, 31971),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 83

Candidate Starts for Lauer_17:

(Start: 79 @15464 has 8 MA's), (Start: 83 @15467 has 67 MA's), (110, 15566), (120, 15608), (171, 15848), (184, 15935), (189, 15956), (191, 15965), (199, 15992), (206, 16037), (215, 16070), (218, 16085), (225, 16109), (233, 16142), (239, 16175), (242, 16187), (252, 16244), (260, 16274), (263, 16292), (268, 16322), (275, 16352), (291, 16415), (304, 16466), (315, 16502), (320, 16517), (326, 16535), (336, 16592), (338, 16601), (373, 16721), (375, 16733), (383, 16781), (391, 16832), (392, 16835), (396, 16853), (413, 16931), (418, 16958), (431, 17000), (465, 17147), (466, 17153),

Gene: LeBron_18 Start: 16772, Stop: 18541, Start Num: 61

Candidate Starts for LeBron_18:

(Start: 47 @16709 has 1 MA's), (52, 16730), (53, 16745), (Start: 61 @16772 has 40 MA's), (91, 16865), (102, 16913), (103, 16919), (115, 16946), (116, 16949), (118, 16955), (131, 17027), (134, 17036), (139, 17060), (142, 17075), (146, 17105), (176, 17231), (177, 17240), (180, 17261), (182, 17276), (198, 17345), (205, 17381), (207, 17402), (226, 17471), (237, 17510), (264, 17648), (267, 17660), (282, 17735), (284, 17741), (287, 17759), (298, 17798), (306, 17831), (308, 17840), (311, 17849), (314, 17858), (342, 17981), (354, 18017), (370, 18065), (372, 18077), (381, 18131), (398, 18227), (400, 18245), (401, 18251), (402, 18254), (411, 18287), (415, 18311), (433, 18374), (444, 18416), (454, 18455), (458, 18473), (462, 18494), (465, 18515),

Gene: Lennon_35 Start: 31965, Stop: 33728, Start Num: 62

Candidate Starts for Lennon_35:

(57, 31947), (Start: 62 @31965 has 73 MA's), (Start: 72 @32001 has 3 MA's), (112, 32139), (131, 32235), (134, 32244), (148, 32313), (158, 32364), (169, 32409), (173, 32424), (185, 32505), (198, 32550), (200, 32559), (219, 32649), (227, 32679), (230, 32694), (237, 32718), (242, 32748), (266, 32853), (292, 32970), (298, 32988), (301, 33003), (309, 33033), (313, 33045), (315, 33048), (324, 33075), (392, 33399), (393, 33402), (402, 33450), (409, 33477), (414, 33504), (428, 33558), (439, 33585), (467, 33723),

Gene: Leroy_20 Start: 16435, Stop: 18132, Start Num: 83

Candidate Starts for Leroy_20:

(Start: 67 @16396 has 15 MA's), (Start: 83 @16435 has 67 MA's), (Start: 87 @16447 has 1 MA's), (88, 16450), (96, 16486), (105, 16525), (112, 16546), (122, 16588), (125, 16594), (126, 16597), (128, 16609), (132, 16645), (140, 16681), (153, 16738), (163, 16786), (168, 16813), (185, 16915), (196, 16954), (206, 17011), (209, 17029), (213, 17038), (215, 17044), (227, 17092), (236, 17122), (241, 17158), (243, 17164), (246, 17185), (247, 17188), (258, 17239), (264, 17266), (265, 17269), (269, 17296), (275, 17323), (294, 17395), (303, 17434), (325, 17488), (338, 17560), (350, 17605), (373, 17695), (376, 17713), (390, 17797), (391, 17806), (392, 17809), (394, 17815), (397, 17830), (402,

17860), (404, 17866), (409, 17887), (410, 17890), (421, 17944), (431, 17974), (434, 17983), (450, 18034), (456, 18067), (459, 18079), (462, 18097),

Gene: Lewan_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Lewan_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: LilDestine_18 Start: 16988, Stop: 18721, Start Num: 74

Candidate Starts for LilDestine_18:

(Start: 74 @16988 has 53 MA's), (95, 17057), (131, 17198), (132, 17201), (142, 17246), (147, 17279), (150, 17288), (157, 17324), (171, 17378), (176, 17405), (178, 17417), (184, 17468), (185, 17474), (194, 17507), (231, 17660), (237, 17684), (238, 17693), (246, 17738), (249, 17753), (264, 17831), (289, 17951), (306, 18014), (328, 18086), (335, 18122), (368, 18242), (370, 18248), (372, 18260), (382, 18323), (390, 18374), (398, 18410), (402, 18437), (417, 18506), (422, 18521), (424, 18533), (433, 18557), (454, 18635),

Gene: LilHam_32 Start: 28981, Stop: 30744, Start Num: 62

Candidate Starts for LilHam_32:

(Start: 62 @28981 has 73 MA's), (Start: 72 @29017 has 3 MA's), (109, 29146), (112, 29155), (131, 29251), (134, 29260), (148, 29329), (158, 29380), (160, 29389), (169, 29425), (173, 29440), (176, 29458), (185, 29521), (198, 29566), (200, 29575), (225, 29686), (227, 29695), (230, 29710), (237, 29734), (242, 29764), (292, 29986), (298, 30004), (301, 30019), (313, 30061), (324, 30091), (349, 30211), (374, 30304), (392, 30415), (393, 30418), (402, 30466), (409, 30493), (414, 30520), (428, 30574),

Gene: LilSpotty_18 Start: 14614, Stop: 16329, Start Num: 72

Candidate Starts for LilSpotty_18:

(Start: 67 @14602 has 15 MA's), (Start: 72 @14614 has 3 MA's), (142, 14896), (153, 14944), (179, 15070), (193, 15151), (211, 15241), (215, 15250), (235, 15325), (239, 15355), (240, 15358), (242, 15367), (263, 15460), (268, 15490), (292, 15586), (293, 15589), (310, 15652), (317, 15667), (329, 15712), (336, 15757), (338, 15766), (363, 15838), (376, 15904), (392, 16000), (393, 16003), (404, 16057), (409, 16078), (410, 16081), (431, 16165), (440, 16189), (453, 16252), (463, 16297), (464, 16306),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 76

Candidate Starts for Lilas_20:

(Start: 67 @17691 has 15 MA's), (Start: 76 @17715 has 17 MA's), (96, 17763), (112, 17820), (123, 17862), (158, 18051), (184, 18198), (185, 18204), (198, 18249), (232, 18387), (245, 18462), (313, 18744), (321, 18765), (336, 18840), (364, 18927), (370, 18963), (375, 18996), (376, 19002), (387, 19068), (392, 19098), (428, 19254), (431, 19260), (437, 19278), (463, 19389),

Gene: Lilbit_51 Start: 27401, Stop: 29113, Start Num: 74

Candidate Starts for Lilbit_51:

(56, 27338), (Start: 74 @27401 has 53 MA's), (98, 27482), (116, 27539), (132, 27620), (134, 27626), (145, 27683), (146, 27695), (150, 27707), (158, 27746), (162, 27761), (177, 27830), (184, 27884), (186, 27893), (222, 28049), (237, 28097), (238, 28106), (239, 28115), (247, 28154), (250, 28169), (264, 28232), (267, 28244), (292, 28361), (293, 28364), (306, 28415), (313, 28442), (316, 28445), (322, 28466), (331, 28508), (366, 28628), (370, 28646), (394, 28790), (402, 28835), (406, 28853), (426, 28937), (429, 28946), (438, 28964), (442, 28985), (454, 29030), (455, 29036), (458, 29048),

(461, 29060), (463, 29072), (466, 29096), (468, 29102),

Gene: LilhomieP_27 Start: 22368, Stop: 24104, Start Num: 67

Candidate Starts for LilhomieP_27:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079), (259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: LitninMcQueen_20 Start: 16422, Stop: 18119, Start Num: 83

Candidate Starts for LitninMcQueen_20:

(Start: 67 @16383 has 15 MA's), (Start: 83 @16422 has 67 MA's), (Start: 87 @16434 has 1 MA's), (96, 16473), (105, 16512), (112, 16533), (125, 16581), (127, 16590), (132, 16632), (140, 16668), (153, 16725), (163, 16773), (168, 16800), (196, 16941), (206, 16998), (209, 17016), (213, 17025), (215, 17031), (236, 17109), (241, 17145), (243, 17151), (246, 17172), (247, 17175), (258, 17226), (264, 17253), (265, 17256), (269, 17283), (275, 17310), (294, 17382), (303, 17421), (325, 17475), (333, 17517), (350, 17592), (368, 17655), (373, 17682), (374, 17685), (376, 17700), (390, 17784), (391, 17793), (392, 17796), (394, 17802), (396, 17814), (397, 17817), (402, 17847), (404, 17853), (409, 17874), (410, 17877), (421, 17931), (431, 17961), (434, 17970), (450, 18021), (456, 18054), (459, 18066), (462, 18084),

Gene: LittleLaf_50 Start: 27130, Stop: 28842, Start Num: 74

Candidate Starts for LittleLaf_50:

(56, 27067), (Start: 74 @27130 has 53 MA's), (98, 27211), (116, 27268), (132, 27349), (134, 27355), (145, 27412), (146, 27424), (150, 27436), (158, 27475), (162, 27490), (177, 27559), (184, 27613), (186, 27622), (222, 27778), (237, 27826), (238, 27835), (239, 27844), (247, 27883), (250, 27898), (264, 27961), (267, 27973), (292, 28090), (293, 28093), (306, 28144), (313, 28171), (316, 28174), (322, 28195), (331, 28237), (366, 28357), (370, 28375), (394, 28519), (402, 28564), (406, 28582), (426, 28666), (429, 28675), (438, 28693), (442, 28714), (454, 28759), (455, 28765), (458, 28777), (461, 28789), (463, 28801), (466, 28825), (468, 28831),

Gene: LiyuLake_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for LiyuLake_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (239, 18126), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726), (394, 18804), (402, 18849), (413, 18894), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: Loadrie_18 Start: 17021, Stop: 18754, Start Num: 74

Candidate Starts for Loadrie_18:

(Start: 74 @17021 has 53 MA's), (95, 17090), (131, 17231), (132, 17234), (142, 17279), (147, 17312), (150, 17321), (157, 17357), (171, 17411), (176, 17438), (178, 17450), (184, 17501), (185, 17507), (194, 17540), (231, 17693), (237, 17717), (238, 17726), (246, 17771), (249, 17786), (264, 17864), (289, 17984), (306, 18047), (328, 18119), (335, 18155), (368, 18275), (370, 18281), (372, 18293), (382, 18356), (398, 18443), (402, 18470), (417, 18539), (422, 18554), (424, 18566), (433, 18590), (454, 18668),

Gene: Lolly9_19 Start: 17191, Stop: 18954, Start Num: 61

Candidate Starts for Lolly9_19:

(Start: 61 @17191 has 40 MA's), (70, 17218), (91, 17281), (102, 17329), (103, 17335), (118, 17371), (132, 17446), (138, 17470), (139, 17476), (150, 17533), (176, 17647), (178, 17659), (200, 17770), (235, 17914), (237, 17926), (282, 18148), (284, 18154), (298, 18211), (308, 18253), (311, 18262), (316, 18274), (334, 18349), (347, 18415), (353, 18427), (354, 18430), (370, 18478), (381, 18544), (394, 18622), (402, 18667), (413, 18712), (415, 18724), (433, 18787), (441, 18823), (448, 18838), (454, 18868), (455, 18874), (458, 18886), (460, 18895), (462, 18907),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 76

Candidate Starts for LonelyBoi_20:

(Start: 67 @17694 has 15 MA's), (Start: 76 @17718 has 17 MA's), (112, 17823), (123, 17865), (137, 17940), (158, 18054), (184, 18201), (185, 18207), (198, 18252), (232, 18390), (245, 18465), (313, 18747), (321, 18768), (336, 18843), (364, 18930), (370, 18966), (375, 18999), (376, 19005), (387, 19071), (392, 19101), (431, 19263), (437, 19281), (463, 19392),

Gene: Love_38 Start: 31747, Stop: 33510, Start Num: 62

Candidate Starts for Love_38:

(57, 31729), (Start: 62 @31747 has 73 MA's), (Start: 72 @31783 has 3 MA's), (112, 31921), (131, 32017), (134, 32026), (148, 32095), (158, 32146), (169, 32191), (173, 32206), (185, 32287), (198, 32332), (200, 32341), (219, 32431), (227, 32461), (230, 32476), (237, 32500), (242, 32530), (266, 32635), (292, 32752), (298, 32770), (301, 32785), (309, 32815), (313, 32827), (315, 32830), (324, 32857), (392, 33181), (393, 33184), (402, 33232), (409, 33259), (414, 33286), (428, 33340), (437, 33364), (439, 33367), (459, 33457), (467, 33505),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 76

Candidate Starts for Lucky10_18:

(Start: 76 @15185 has 17 MA's), (96, 15239), (124, 15341), (137, 15413), (153, 15494), (161, 15545), (169, 15578), (179, 15626), (184, 15674), (186, 15683), (198, 15725), (205, 15761), (216, 15803), (221, 15824), (223, 15830), (228, 15854), (239, 15905), (240, 15908), (245, 15938), (324, 16250), (336, 16316), (342, 16346), (370, 16439), (373, 16460), (375, 16472), (376, 16478), (377, 16484), (379, 16490), (387, 16544), (392, 16574), (406, 16643), (428, 16730), (431, 16736), (440, 16760), (447, 16787),

Gene: Lumos_19 Start: 17370, Stop: 19133, Start Num: 61

Candidate Starts for Lumos_19:

(Start: 61 @17370 has 40 MA's), (70, 17397), (91, 17460), (102, 17508), (103, 17514), (118, 17550), (132, 17625), (138, 17649), (139, 17655), (150, 17712), (176, 17826), (178, 17838), (200, 17949), (235, 18093), (237, 18105), (243, 18138), (282, 18327), (284, 18333), (298, 18390), (308, 18432), (311, 18441), (316, 18453), (334, 18528), (349, 18597), (354, 18609), (370, 18657), (381, 18723), (394, 18801), (402, 18846), (415, 18903), (433, 18966), (441, 19002), (448, 19017), (454, 19047), (455, 19053), (458, 19065), (460, 19074), (462, 19086),

Gene: Lutum_20 Start: 16428, Stop: 18125, Start Num: 83

Candidate Starts for Lutum_20:

(Start: 67 @16389 has 15 MA's), (Start: 83 @16428 has 67 MA's), (Start: 87 @16440 has 1 MA's), (96, 16479), (105, 16518), (112, 16539), (125, 16587), (127, 16596), (132, 16638), (140, 16674), (153, 16731), (163, 16779), (168, 16806), (196, 16947), (206, 17004), (209, 17022), (213, 17031), (215, 17037), (236, 17115), (241, 17151), (243, 17157), (246, 17178), (247, 17181), (258, 17232), (264, 17259), (265, 17262), (269, 17289), (275, 17316), (294, 17388), (303, 17427), (325, 17481), (333, 17523), (350, 17598), (368, 17661), (373, 17688), (374, 17691), (376, 17706), (390, 17790), (391, 17799), (392, 17802), (394, 17808), (396, 17820), (397, 17823), (402, 17853), (404, 17859), (409, 17880), (410, 17883), (421, 17937), (431, 17967), (434, 17976), (450, 18027), (456, 18060), (459, 18072), (462, 18090),

Gene: MAckerman_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for MAckerman_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: MAnor_18 Start: 15425, Stop: 17119, Start Num: 83

Candidate Starts for MAnor_18:

(Start: 79 @15422 has 8 MA's), (Start: 83 @15425 has 67 MA's), (110, 15524), (113, 15536), (120, 15566), (127, 15587), (148, 15704), (171, 15806), (184, 15893), (191, 15923), (199, 15950), (206, 15995), (209, 16013), (215, 16028), (218, 16043), (233, 16100), (239, 16133), (242, 16145), (248, 16175), (260, 16232), (263, 16250), (268, 16280), (275, 16310), (291, 16373), (304, 16424), (315, 16460), (320, 16475), (326, 16493), (336, 16550), (373, 16679), (375, 16691), (391, 16790), (392, 16793), (396, 16811), (413, 16889), (418, 16916), (431, 16958), (465, 17105), (466, 17111),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 83

Candidate Starts for MScarn_20:

(Start: 67 @15335 has 15 MA's), (Start: 79 @15362 has 8 MA's), (Start: 83 @15365 has 67 MA's), (133, 15575), (169, 15743), (171, 15749), (181, 15809), (189, 15857), (191, 15866), (199, 15893), (205, 15923), (206, 15938), (215, 15971), (217, 15983), (227, 16019), (239, 16076), (242, 16088), (267, 16208), (270, 16229), (275, 16253), (315, 16403), (320, 16418), (326, 16436), (336, 16493), (373, 16622), (375, 16634), (379, 16652), (380, 16661), (391, 16733), (392, 16736), (394, 16742), (396, 16754), (418, 16859), (420, 16868), (431, 16901),

Gene: MaVan_20 Start: 16710, Stop: 18404, Start Num: 83

Candidate Starts for MaVan_20:

(27, 16386), (Start: 83 @16710 has 67 MA's), (149, 16995), (150, 16998), (158, 17043), (163, 17058), (179, 17136), (184, 17181), (206, 17283), (215, 17316), (217, 17328), (218, 17331), (233, 17388), (239, 17421), (243, 17436), (254, 17502), (265, 17544), (267, 17553), (275, 17598), (291, 17661), (313, 17742), (320, 17760), (324, 17769), (326, 17778), (336, 17835), (338, 17844), (375, 17976), (380, 18003), (383, 18024), (391, 18075), (392, 18078), (413, 18174), (418, 18201), (420, 18210), (421, 18213), (431, 18243), (437, 18261), (451, 18306), (466, 18396),

Gene: MagicMan_19 Start: 16962, Stop: 18692, Start Num: 80

Candidate Starts for MagicMan_19:

(46, 16845), (Start: 67 @16929 has 15 MA's), (Start: 72 @16941 has 3 MA's), (Start: 80 @16962 has 5 MA's), (127, 17133), (138, 17199), (143, 17232), (149, 17253), (185, 17445), (203, 17517), (209, 17559), (219, 17595), (227, 17625), (233, 17649), (241, 17691), (246, 17718), (259, 17775), (261, 17781), (279, 17868), (369, 18228), (373, 18252), (376, 18270), (392, 18366), (434, 18540), (436, 18543), (440, 18555), (457, 18630), (462, 18657),

Gene: Malisha_21 Start: 18200, Stop: 19897, Start Num: 83

Candidate Starts for Malisha_21:

(Start: 67 @18161 has 15 MA's), (Start: 83 @18200 has 67 MA's), (Start: 87 @18212 has 1 MA's), (88, 18215), (105, 18290), (112, 18311), (118, 18338), (122, 18353), (125, 18359), (126, 18362), (128, 18374), (132, 18410), (138, 18434), (140, 18446), (153, 18503), (156, 18524), (163, 18551), (168, 18578), (176, 18614), (196, 18719), (206, 18776), (209, 18794), (213, 18803), (215, 18809), (227, 18857), (236, 18887), (241, 18923), (243, 18929), (246, 18950), (247, 18953), (264, 19031), (265,

19034), (269, 19061), (275, 19088), (294, 19160), (303, 19199), (325, 19253), (338, 19325), (350, 19370), (368, 19433), (373, 19460), (374, 19463), (376, 19478), (390, 19562), (391, 19571), (392, 19574), (394, 19580), (397, 19595), (402, 19625), (404, 19631), (409, 19652), (410, 19655), (421, 19709), (431, 19739), (434, 19748), (450, 19799), (456, 19832), (459, 19844), (462, 19862),

Gene: Margaret_21 Start: 15469, Stop: 17157, Start Num: 83

Candidate Starts for Margaret_21:

(Start: 67 @15439 has 15 MA's), (Start: 79 @15466 has 8 MA's), (Start: 83 @15469 has 67 MA's), (105, 15553), (133, 15676), (140, 15709), (150, 15754), (181, 15910), (184, 15937), (191, 15967), (206, 16039), (215, 16069), (217, 16081), (225, 16108), (239, 16174), (254, 16255), (265, 16297), (267, 16306), (269, 16324), (281, 16369), (302, 16453), (312, 16489), (313, 16492), (315, 16495), (318, 16501), (320, 16510), (326, 16528), (336, 16585), (373, 16714), (375, 16726), (378, 16741), (380, 16753), (391, 16825), (392, 16828), (393, 16831), (396, 16846), (413, 16927), (431, 16996), (434, 17005), (464, 17134), (466, 17149),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 76

Candidate Starts for Marteena_20:

(Start: 67 @17542 has 15 MA's), (Start: 76 @17566 has 17 MA's), (112, 17671), (123, 17713), (137, 17788), (158, 17902), (184, 18049), (185, 18055), (198, 18100), (232, 18238), (245, 18313), (313, 18595), (321, 18616), (336, 18691), (364, 18778), (370, 18814), (375, 18847), (376, 18853), (387, 18919), (392, 18949), (428, 19105), (431, 19111), (437, 19129), (463, 19240),

Gene: Marvin_48 Start: 27400, Stop: 29112, Start Num: 74

Candidate Starts for Marvin_48:

(56, 27337), (Start: 74 @27400 has 53 MA's), (98, 27481), (116, 27538), (132, 27619), (134, 27625), (145, 27682), (146, 27694), (150, 27706), (158, 27745), (162, 27760), (177, 27829), (184, 27883), (186, 27892), (222, 28048), (237, 28096), (238, 28105), (239, 28114), (247, 28153), (250, 28168), (264, 28231), (267, 28243), (292, 28360), (293, 28363), (306, 28414), (313, 28441), (316, 28444), (322, 28465), (331, 28507), (366, 28627), (370, 28645), (394, 28789), (402, 28834), (406, 28852), (426, 28936), (438, 28963), (442, 28984), (454, 29029), (455, 29035), (458, 29047), (461, 29059), (464, 29080), (466, 29095), (468, 29101),

Gene: MaryV_40 Start: 25250, Stop: 27634, Start Num: 2

Candidate Starts for MaryV_40:

(Start: 2 @25250 has 5 MA's), (7, 25367), (9, 25388), (10, 25391), (12, 25421), (13, 25427), (15, 25436), (23, 25526), (26, 25562), (29, 25580), (30, 25607), (31, 25619), (33, 25628), (37, 25691), (41, 25727), (43, 25763), (44, 25766), (46, 25772), (63, 25844), (73, 25874), (94, 25943), (95, 25946), (115, 26033), (120, 26051), (121, 26054), (131, 26114), (140, 26153), (147, 26195), (150, 26204), (151, 26210), (155, 26225), (157, 26240), (169, 26288), (184, 26384), (195, 26426), (196, 26429), (237, 26606), (239, 26624), (243, 26639), (244, 26654), (249, 26675), (255, 26708), (259, 26717), (263, 26747), (271, 26786), (279, 26828), (282, 26840), (283, 26843), (298, 26903), (314, 26963), (328, 27008), (335, 27044), (349, 27110), (368, 27164), (370, 27170), (381, 27236), (413, 27407), (419, 27431), (454, 27551), (459, 27572), (461, 27581), (466, 27617),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 83

Candidate Starts for Mayweather_19:

(Start: 79 @16037 has 8 MA's), (Start: 83 @16040 has 67 MA's), (110, 16139), (120, 16181), (127, 16202), (148, 16319), (171, 16421), (184, 16508), (191, 16538), (199, 16565), (206, 16610), (209, 16628), (215, 16643), (218, 16658), (233, 16715), (239, 16748), (242, 16760), (248, 16790), (260, 16847), (263, 16865), (268, 16895), (275, 16925), (280, 16940), (291, 16988), (304, 17039), (315, 17075), (320, 17090), (326, 17108), (336, 17165), (373, 17294), (375, 17306), (391, 17405), (392, 17408), (396, 17426), (409, 17486), (413, 17504), (418, 17531), (431, 17573), (465, 17720), (466, 17726),

Gene: McKinley_37 Start: 31773, Stop: 33536, Start Num: 62

Candidate Starts for McKinley_37:

(57, 31755), (Start: 62 @31773 has 73 MA's), (Start: 72 @31809 has 3 MA's), (112, 31947), (131, 32043), (134, 32052), (148, 32121), (158, 32172), (169, 32217), (173, 32232), (185, 32313), (198, 32358), (200, 32367), (219, 32457), (227, 32487), (230, 32502), (237, 32526), (242, 32556), (266, 32661), (292, 32778), (298, 32796), (301, 32811), (309, 32841), (313, 32853), (315, 32856), (324, 32883), (392, 33207), (393, 33210), (402, 33258), (409, 33285), (414, 33312), (428, 33366), (439, 33393), (467, 33531),

Gene: Mendokysej_18 Start: 16790, Stop: 18496, Start Num: 74

Candidate Starts for Mendokysej_18:

(17, 16388), (19, 16403), (20, 16412), (22, 16436), (36, 16583), (45, 16682), (59, 16745), (Start: 74 @16790 has 53 MA's), (95, 16856), (138, 17021), (141, 17036), (147, 17075), (148, 17078), (157, 17120), (158, 17123), (174, 17189), (175, 17195), (218, 17411), (237, 17474), (253, 17564), (264, 17609), (278, 17675), (282, 17696), (283, 17699), (294, 17744), (331, 17885), (369, 18020), (370, 18023), (376, 18062), (402, 18212), (411, 18248), (452, 18392), (454, 18413), (460, 18440), (466, 18479),

Gene: Miley16_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Miley16_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: MiniLon_19 Start: 17191, Stop: 18954, Start Num: 61

Candidate Starts for MiniLon_19:

(Start: 61 @17191 has 40 MA's), (70, 17218), (91, 17281), (102, 17329), (103, 17335), (118, 17371), (132, 17446), (138, 17470), (139, 17476), (150, 17533), (176, 17647), (178, 17659), (200, 17770), (235, 17914), (237, 17926), (282, 18148), (284, 18154), (298, 18211), (308, 18253), (311, 18262), (316, 18274), (334, 18349), (347, 18415), (353, 18427), (354, 18430), (370, 18478), (381, 18544), (394, 18622), (402, 18667), (413, 18712), (415, 18724), (433, 18787), (441, 18823), (448, 18838), (454, 18868), (455, 18874), (458, 18886), (460, 18895), (462, 18907),

Gene: MiniMac_19 Start: 17192, Stop: 18955, Start Num: 61

Candidate Starts for MiniMac_19:

(Start: 61 @17192 has 40 MA's), (70, 17219), (91, 17282), (102, 17330), (103, 17336), (118, 17372), (132, 17447), (138, 17471), (139, 17477), (150, 17534), (176, 17648), (178, 17660), (200, 17771), (235, 17915), (237, 17927), (282, 18149), (284, 18155), (298, 18212), (308, 18254), (311, 18263), (316, 18275), (334, 18350), (347, 18416), (353, 18428), (354, 18431), (370, 18479), (381, 18545), (394, 18623), (402, 18668), (413, 18713), (415, 18725), (433, 18788), (441, 18824), (448, 18839), (454, 18869), (455, 18875), (458, 18887), (460, 18896), (462, 18908),

Gene: MkaliMitinis3_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for MkaliMitinis3_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558),

(454, 18636),

Gene: ModicumRichard_19 Start: 16548, Stop: 18212, Start Num: 86

Candidate Starts for ModicumRichard_19:

(Start: 80 @16533 has 5 MA's), (Start: 86 @16548 has 11 MA's), (88, 16554), (94, 16584), (97, 16593), (153, 16827), (158, 16860), (170, 16908), (183, 16983), (191, 17028), (209, 17118), (215, 17133), (231, 17187), (234, 17196), (239, 17229), (245, 17262), (247, 17268), (302, 17502), (306, 17514), (313, 17541), (324, 17574), (331, 17613), (334, 17622), (348, 17694), (359, 17709), (367, 17733), (375, 17781), (389, 17868), (394, 17889), (407, 17955), (421, 18021), (437, 18069), (459, 18159), (467, 18207),

Gene: Moonflower_19 Start: 17249, Stop: 18943, Start Num: 86

Candidate Starts for Moonflower_19:

(Start: 67 @17207 has 15 MA's), (Start: 72 @17219 has 3 MA's), (Start: 86 @17249 has 11 MA's), (112, 17351), (125, 17402), (134, 17459), (143, 17510), (160, 17588), (163, 17594), (219, 17867), (236, 17927), (241, 17963), (249, 18005), (259, 18047), (269, 18101), (336, 18362), (358, 18437), (368, 18479), (376, 18524), (392, 18620), (393, 18623), (396, 18638), (436, 18797), (437, 18803), (459, 18890), (466, 18935),

Gene: MoontowerMania_34 Start: 30587, Stop: 32350, Start Num: 62

Candidate Starts for MoontowerMania_34:

(57, 30569), (Start: 62 @30587 has 73 MA's), (Start: 72 @30623 has 3 MA's), (112, 30761), (131, 30857), (134, 30866), (148, 30935), (158, 30986), (169, 31031), (173, 31046), (185, 31127), (198, 31172), (200, 31181), (219, 31271), (227, 31301), (230, 31316), (237, 31340), (242, 31370), (266, 31475), (292, 31592), (298, 31610), (301, 31625), (309, 31655), (313, 31667), (315, 31670), (324, 31697), (392, 32021), (393, 32024), (402, 32072), (409, 32099), (414, 32126), (428, 32180), (439, 32207), (465, 32336),

Gene: Moostard_19 Start: 17376, Stop: 19139, Start Num: 61

Candidate Starts for Moostard_19:

(Start: 61 @17376 has 40 MA's), (70, 17403), (91, 17466), (102, 17514), (103, 17520), (118, 17556), (132, 17631), (138, 17655), (139, 17661), (150, 17718), (176, 17832), (178, 17844), (200, 17955), (235, 18099), (237, 18111), (243, 18144), (244, 18159), (282, 18333), (284, 18339), (298, 18396), (308, 18438), (311, 18447), (316, 18459), (334, 18534), (349, 18603), (354, 18615), (370, 18663), (381, 18729), (394, 18807), (402, 18852), (415, 18909), (433, 18972), (441, 19008), (448, 19023), (454, 19053), (455, 19059), (458, 19071), (460, 19080), (462, 19092),

Gene: Morgana_19 Start: 16541, Stop: 18205, Start Num: 86

Candidate Starts for Morgana_19:

(42, 16391), (Start: 71 @16502 has 7 MA's), (Start: 80 @16526 has 5 MA's), (Start: 86 @16541 has 11 MA's), (88, 16547), (94, 16577), (97, 16586), (153, 16820), (158, 16853), (170, 16901), (183, 16976), (185, 16997), (191, 17021), (194, 17030), (201, 17057), (215, 17126), (231, 17180), (234, 17189), (239, 17222), (245, 17255), (247, 17261), (306, 17507), (313, 17534), (324, 17567), (331, 17606), (334, 17615), (348, 17687), (359, 17702), (367, 17726), (375, 17774), (389, 17861), (394, 17882), (407, 17948), (421, 18014), (437, 18062), (459, 18152),

Gene: MosMoris_48 Start: 26580, Stop: 28292, Start Num: 74

Candidate Starts for MosMoris_48:

(56, 26517), (Start: 74 @26580 has 53 MA's), (98, 26661), (116, 26718), (132, 26799), (134, 26805), (145, 26862), (146, 26874), (150, 26886), (158, 26925), (162, 26940), (177, 27009), (184, 27063), (186, 27072), (222, 27228), (237, 27276), (238, 27285), (239, 27294), (247, 27333), (250, 27348), (264, 27411), (267, 27423), (292, 27540), (293, 27543), (306, 27594), (313, 27621), (316, 27624), (322, 27645), (331, 27687), (366, 27807), (370, 27825), (394, 27969), (402, 28014), (406, 28032),

(426, 28116), (429, 28125), (438, 28143), (442, 28164), (454, 28209), (455, 28215), (458, 28227), (461, 28239), (464, 28260), (466, 28275), (468, 28281),

Gene: MrMagoo_32 Start: 22870, Stop: 24651, Start Num: 55

Candidate Starts for MrMagoo_32:

(Start: 55 @22870 has 3 MA's), (Start: 58 @22885 has 2 MA's), (Start: 67 @22912 has 15 MA's), (93, 22990), (95, 22996), (100, 23014), (140, 23176), (142, 23185), (144, 23200), (165, 23287), (166, 23299), (169, 23308), (184, 23404), (187, 23416), (195, 23446), (196, 23449), (203, 23482), (234, 23611), (237, 23626), (239, 23644), (244, 23674), (278, 23836), (279, 23845), (282, 23857), (284, 23863), (308, 23962), (311, 23971), (314, 23980), (331, 24049), (360, 24142), (368, 24181), (370, 24187), (371, 24196), (448, 24541), (454, 24568), (455, 24574), (464, 24619),

Gene: MsGreen_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for MsGreen_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (138, 17652), (139, 17658), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726), (394, 18804), (402, 18849), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: MunkgeeRoachy_18 Start: 15780, Stop: 17477, Start Num: 83

Candidate Starts for MunkgeeRoachy_18:

(Start: 79 @15777 has 8 MA's), (Start: 83 @15780 has 67 MA's), (133, 15990), (154, 16089), (158, 16113), (171, 16164), (184, 16251), (191, 16281), (196, 16296), (199, 16308), (215, 16386), (217, 16398), (225, 16425), (233, 16458), (239, 16491), (242, 16503), (250, 16545), (275, 16668), (294, 16740), (315, 16818), (320, 16833), (326, 16851), (336, 16908), (367, 17001), (373, 17037), (375, 17049), (376, 17055), (379, 17067), (380, 17076), (391, 17148), (392, 17151), (394, 17157), (396, 17169), (409, 17229), (418, 17274), (420, 17283), (431, 17316), (452, 17382),

Gene: Mutzi_33 Start: 26290, Stop: 28056, Start Num: 62

Candidate Starts for Mutzi_33:

(50, 26248), (57, 26278), (Start: 62 @26290 has 73 MA's), (Start: 72 @26326 has 3 MA's), (Start: 84 @26359 has 7 MA's), (133, 26569), (134, 26572), (140, 26602), (154, 26668), (158, 26692), (160, 26701), (168, 26734), (187, 26839), (200, 26887), (203, 26905), (206, 26926), (219, 26977), (222, 26989), (227, 27007), (229, 27019), (233, 27031), (237, 27046), (242, 27076), (243, 27079), (246, 27100), (264, 27172), (273, 27220), (286, 27268), (287, 27280), (301, 27331), (310, 27364), (325, 27406), (338, 27478), (358, 27544), (362, 27556), (384, 27676), (392, 27727), (393, 27730), (402, 27778), (409, 27805), (410, 27808), (414, 27832), (428, 27886), (459, 28003), (463, 28024), (467, 28051),

Gene: Nairb_19 Start: 16980, Stop: 18686, Start Num: 74

Candidate Starts for Nairb_19:

(45, 16872), (49, 16884), (Start: 74 @16980 has 53 MA's), (95, 17046), (120, 17121), (122, 17127), (138, 17211), (147, 17265), (157, 17310), (158, 17313), (174, 17379), (237, 17664), (282, 17886), (331, 18075), (370, 18213), (372, 18225), (402, 18402), (411, 18438), (454, 18603), (460, 18630), (466, 18669), (468, 18675),

Gene: Nanosmite_32 Start: 22784, Stop: 24520, Start Num: 67

Candidate Starts for Nanosmite_32:

(Start: 55 @22742 has 3 MA's), (Start: 58 @22757 has 2 MA's), (Start: 67 @22784 has 15 MA's), (75, 22799), (89, 22838), (95, 22868), (97, 22874), (100, 22886), (140, 23045), (159, 23144), (165, 23156), (166, 23168), (169, 23177), (177, 23219), (184, 23273), (195, 23315), (196, 23318), (231, 23471),

(237, 23495), (249, 23564), (259, 23606), (272, 23675), (278, 23705), (279, 23714), (283, 23729), (292, 23768), (308, 23831), (311, 23840), (314, 23849), (331, 23918), (333, 23924), (335, 23930), (368, 24050), (370, 24056), (448, 24410), (454, 24437), (458, 24455), (460, 24464),

Gene: Netyap_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Netyap_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Neville_28 Start: 23300, Stop: 25042, Start Num: 71

Candidate Starts for Neville_28:

(51, 23222), (65, 23285), (Start: 71 @23300 has 7 MA's), (78, 23312), (85, 23330), (95, 23372), (102, 23399), (122, 23456), (132, 23516), (146, 23591), (147, 23594), (150, 23603), (152, 23612), (157, 23651), (158, 23654), (172, 23708), (175, 23729), (181, 23765), (184, 23795), (192, 23828), (200, 23855), (209, 23915), (231, 23984), (234, 23993), (237, 24008), (242, 24038), (261, 24122), (286, 24248), (308, 24341), (316, 24362), (317, 24365), (334, 24437), (339, 24470), (345, 24491), (368, 24560), (370, 24566), (371, 24575), (390, 24692), (391, 24701), (404, 24761), (412, 24797), (415, 24812), (424, 24848), (426, 24854), (445, 24917), (454, 24959), (460, 24986), (463, 25001), (468, 25031),

Gene: Nibbles_20 Start: 16710, Stop: 18404, Start Num: 83

Candidate Starts for Nibbles_20:

(27, 16386), (Start: 83 @16710 has 67 MA's), (149, 16995), (150, 16998), (158, 17043), (163, 17058), (179, 17136), (184, 17181), (206, 17283), (215, 17316), (217, 17328), (218, 17331), (233, 17388), (239, 17421), (243, 17436), (254, 17502), (265, 17544), (267, 17553), (275, 17598), (291, 17661), (313, 17742), (320, 17760), (324, 17769), (326, 17778), (336, 17835), (338, 17844), (375, 17976), (380, 18003), (383, 18024), (391, 18075), (392, 18078), (413, 18174), (418, 18201), (420, 18210), (421, 18213), (431, 18243), (437, 18261), (451, 18306), (466, 18396),

Gene: Nicholas_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for Nicholas_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (138, 17652), (139, 17658), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726), (394, 18804), (402, 18849), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: Nicholasp3_18 Start: 16994, Stop: 18727, Start Num: 74

Candidate Starts for Nicholasp3_18:

(Start: 74 @16994 has 53 MA's), (95, 17063), (131, 17204), (132, 17207), (142, 17252), (147, 17285), (150, 17294), (157, 17330), (171, 17384), (176, 17411), (178, 17423), (184, 17474), (185, 17480), (194, 17513), (231, 17666), (237, 17690), (238, 17699), (246, 17744), (249, 17759), (264, 17837), (289, 17957), (306, 18020), (328, 18092), (335, 18128), (368, 18248), (370, 18254), (372, 18266), (382, 18329), (398, 18416), (402, 18443), (417, 18512), (422, 18527), (424, 18539), (433, 18563), (454, 18641),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 83

Candidate Starts for Nina_19:

(Start: 79 @16771 has 8 MA's), (Start: 83 @16774 has 67 MA's), (133, 16984), (158, 17107), (171, 17158), (184, 17245), (186, 17254), (191, 17275), (196, 17290), (199, 17302), (215, 17380), (217, 17392), (225, 17419), (233, 17452), (239, 17485), (242, 17497), (250, 17539), (275, 17662), (294, 17734), (315, 17812), (320, 17827), (326, 17845), (336, 17902), (367, 17995), (373, 18031), (375, 18043), (376, 18049), (379, 18061), (380, 18070), (391, 18142), (392, 18145), (394, 18151), (396, 18163), (409, 18223), (418, 18268), (420, 18277), (431, 18310), (452, 18376),

Gene: Nodigi_20 Start: 15752, Stop: 17443, Start Num: 79

Candidate Starts for Nodigi_20:

(11, 15278), (21, 15389), (Start: 67 @15725 has 15 MA's), (Start: 79 @15752 has 8 MA's), (Start: 83 @15755 has 67 MA's), (105, 15839), (120, 15896), (140, 15995), (151, 16046), (184, 16223), (191, 16253), (199, 16280), (203, 16301), (205, 16310), (206, 16325), (215, 16355), (217, 16367), (219, 16373), (220, 16376), (224, 16391), (239, 16460), (254, 16541), (265, 16583), (267, 16592), (269, 16610), (281, 16655), (302, 16739), (312, 16775), (313, 16778), (315, 16781), (320, 16796), (326, 16814), (336, 16871), (343, 16904), (373, 17000), (375, 17012), (376, 17018), (378, 17027), (380, 17039), (391, 17111), (392, 17114), (393, 17117), (396, 17132), (420, 17249), (431, 17282), (434, 17291), (464, 17420), (466, 17435),

Gene: Nordenberg_29 Start: 29943, Stop: 31706, Start Num: 62

Candidate Starts for Nordenberg_29:

(57, 29925), (Start: 62 @29943 has 73 MA's), (Start: 72 @29979 has 3 MA's), (112, 30117), (131, 30213), (134, 30222), (148, 30291), (158, 30342), (169, 30387), (173, 30402), (185, 30483), (198, 30528), (200, 30537), (219, 30627), (227, 30657), (230, 30672), (237, 30696), (242, 30726), (266, 30831), (292, 30948), (298, 30966), (301, 30981), (309, 31011), (313, 31023), (315, 31026), (324, 31053), (392, 31377), (393, 31380), (402, 31428), (409, 31455), (414, 31482), (428, 31536), (437, 31560), (439, 31563), (459, 31653), (467, 31701),

Gene: Nubi_31 Start: 25863, Stop: 27629, Start Num: 62

Candidate Starts for Nubi_31:

(50, 25821), (Start: 62 @25863 has 73 MA's), (Start: 72 @25899 has 3 MA's), (Start: 84 @25932 has 7 MA's), (133, 26142), (134, 26145), (140, 26175), (154, 26241), (158, 26265), (160, 26274), (168, 26307), (200, 26460), (206, 26499), (219, 26550), (222, 26562), (227, 26580), (229, 26592), (233, 26604), (237, 26619), (242, 26649), (243, 26652), (246, 26673), (264, 26745), (273, 26793), (301, 26904), (310, 26937), (324, 26976), (325, 26979), (338, 27051), (358, 27117), (362, 27129), (392, 27300), (393, 27303), (402, 27351), (409, 27378), (414, 27405), (416, 27411), (428, 27459), (459, 27576), (463, 27597), (467, 27624),

Gene: ObLaDi_19 Start: 16527, Stop: 18191, Start Num: 86

Candidate Starts for ObLaDi_19:

(Start: 80 @16512 has 5 MA's), (Start: 86 @16527 has 11 MA's), (88, 16533), (94, 16563), (97, 16572), (153, 16806), (158, 16839), (170, 16887), (183, 16962), (191, 17007), (209, 17097), (215, 17112), (231, 17166), (234, 17175), (239, 17208), (245, 17241), (247, 17247), (302, 17481), (306, 17493), (313, 17520), (324, 17553), (331, 17592), (334, 17601), (348, 17673), (359, 17688), (367, 17712), (375, 17760), (389, 17847), (394, 17868), (407, 17934), (421, 18000), (437, 18048), (459, 18138), (467, 18186),

Gene: Octobien14_28 Start: 22738, Stop: 24489, Start Num: 71

Candidate Starts for Octobien14_28:

(65, 22723), (Start: 71 @22738 has 7 MA's), (78, 22759), (Start: 80 @22762 has 5 MA's), (95, 22819), (101, 22840), (102, 22846), (114, 22873), (119, 22891), (121, 22900), (122, 22903), (134, 22969), (136, 22975), (138, 22987), (146, 23038), (147, 23041), (152, 23059), (176, 23179), (182, 23224), (184, 23242), (200, 23302), (201, 23308), (204, 23323), (209, 23362), (226, 23416), (231, 23431), (234, 23440), (237, 23455), (238, 23464), (243, 23488), (246, 23509), (257, 23563), (262, 23581),

(263, 23596), (264, 23599), (277, 23662), (279, 23674), (286, 23698), (293, 23731), (316, 23812), (339, 23920), (341, 23929), (346, 23944), (360, 23971), (370, 24016), (383, 24097), (394, 24157), (404, 24208), (412, 24244), (424, 24295), (426, 24301), (432, 24316), (435, 24325), (445, 24364), (450, 24379), (454, 24406), (461, 24436), (463, 24448), (468, 24478),

Gene: OhShagHennessy_18 Start: 16711, Stop: 18480, Start Num: 61

Candidate Starts for OhShagHennessy_18:

(Start: 47 @16648 has 1 MA's), (52, 16669), (53, 16684), (Start: 61 @16711 has 40 MA's), (91, 16804), (102, 16852), (103, 16858), (115, 16885), (118, 16894), (131, 16966), (134, 16975), (139, 16999), (142, 17014), (146, 17044), (176, 17170), (177, 17179), (180, 17200), (182, 17215), (198, 17284), (205, 17320), (207, 17341), (226, 17410), (237, 17449), (264, 17587), (267, 17599), (282, 17674), (284, 17680), (287, 17698), (298, 17737), (306, 17770), (308, 17779), (311, 17788), (314, 17797), (342, 17920), (354, 17956), (370, 18004), (372, 18016), (381, 18070), (398, 18166), (400, 18184), (401, 18190), (402, 18193), (411, 18226), (415, 18250), (433, 18313), (444, 18355), (454, 18394), (458, 18412), (462, 18433), (465, 18454),

Gene: Opie_19 Start: 16985, Stop: 18715, Start Num: 80

Candidate Starts for Opie_19:

(46, 16868), (Start: 67 @16952 has 15 MA's), (Start: 72 @16964 has 3 MA's), (Start: 80 @16985 has 5 MA's), (143, 17255), (163, 17339), (185, 17468), (203, 17540), (209, 17582), (219, 17618), (227, 17648), (233, 17672), (241, 17714), (246, 17741), (259, 17798), (261, 17804), (279, 17891), (369, 18251), (373, 18275), (376, 18293), (392, 18389), (421, 18524), (434, 18563), (436, 18566), (457, 18653), (462, 18680),

Gene: Orla_20 Start: 15759, Stop: 17447, Start Num: 83

Candidate Starts for Orla_20:

(Start: 67 @15729 has 15 MA's), (Start: 79 @15756 has 8 MA's), (Start: 83 @15759 has 67 MA's), (120, 15900), (140, 15999), (151, 16050), (156, 16077), (184, 16227), (191, 16257), (199, 16284), (203, 16305), (205, 16314), (206, 16329), (215, 16359), (217, 16371), (219, 16377), (220, 16380), (224, 16395), (239, 16464), (243, 16479), (254, 16545), (265, 16587), (267, 16596), (269, 16614), (281, 16659), (302, 16743), (312, 16779), (313, 16782), (315, 16785), (320, 16800), (326, 16818), (336, 16875), (343, 16908), (373, 17004), (375, 17016), (376, 17022), (378, 17031), (380, 17043), (391, 17115), (392, 17118), (393, 17121), (396, 17136), (418, 17244), (420, 17253), (431, 17286), (434, 17295), (464, 17424), (466, 17439),

Gene: PSonyx_17 Start: 17526, Stop: 19172, Start Num: 90

Candidate Starts for PSonyx_17:

(Start: 90 @17526 has 1 MA's), (141, 17751), (153, 17793), (194, 18003), (196, 18009), (218, 18114), (237, 18180), (245, 18231), (264, 18306), (315, 18510), (324, 18537), (333, 18582), (344, 18639), (394, 18852), (459, 19116), (463, 19137), (467, 19164),

Gene: PYPDinur_18 Start: 16572, Stop: 18335, Start Num: 61

Candidate Starts for PYPDinur_18:

(Start: 61 @16572 has 40 MA's), (103, 16713), (131, 16821), (132, 16824), (175, 17022), (176, 17025), (178, 17037), (181, 17058), (203, 17166), (207, 17196), (237, 17304), (243, 17337), (244, 17352), (249, 17373), (282, 17529), (298, 17592), (308, 17634), (311, 17643), (316, 17655), (328, 17697), (335, 17733), (370, 17859), (375, 17892), (391, 17994), (394, 18003), (398, 18021), (402, 18048), (415, 18105), (424, 18144), (433, 18168), (441, 18204), (448, 18219), (454, 18249), (460, 18276), (462, 18288), (465, 18309),

Gene: Paries_37 Start: 31409, Stop: 33172, Start Num: 62

Candidate Starts for Paries_37:

(57, 31391), (Start: 62 @31409 has 73 MA's), (Start: 72 @31445 has 3 MA's), (112, 31583), (131, 31679), (134, 31688), (148, 31757), (158, 31808), (169, 31853), (173, 31868), (185, 31949), (198, 31994), (200, 32003), (219, 32093), (227, 32123), (230, 32138), (237, 32162), (242, 32192), (266, 32297), (292, 32414), (298, 32432), (301, 32447), (309, 32477), (313, 32489), (315, 32492), (324, 32519), (391, 32840), (392, 32843), (393, 32846), (402, 32894), (409, 32921), (414, 32948), (428, 33002), (437, 33026), (439, 33029), (459, 33119), (467, 33167),

Gene: PegLeg_28 Start: 22367, Stop: 24103, Start Num: 67

Candidate Starts for PegLeg_28:

(34, 22145), (Start: 55 @22325 has 3 MA's), (Start: 58 @22340 has 2 MA's), (Start: 67 @22367 has 15 MA's), (75, 22382), (89, 22421), (95, 22451), (97, 22457), (100, 22469), (129, 22574), (131, 22589), (140, 22628), (166, 22751), (169, 22760), (184, 22856), (195, 22898), (196, 22901), (237, 23078), (259, 23189), (264, 23216), (278, 23288), (279, 23297), (280, 23300), (283, 23312), (314, 23432), (316, 23435), (328, 23477), (333, 23507), (335, 23513), (368, 23633), (370, 23639), (448, 23993), (454, 24020), (458, 24038), (460, 24047),

Gene: Periwinkle_22 Start: 16893, Stop: 18590, Start Num: 83

Candidate Starts for Periwinkle_22:

(Start: 67 @16854 has 15 MA's), (Start: 83 @16893 has 67 MA's), (Start: 87 @16905 has 1 MA's), (105, 16983), (112, 17004), (125, 17052), (127, 17061), (132, 17103), (140, 17139), (153, 17196), (156, 17217), (163, 17244), (168, 17271), (192, 17400), (206, 17469), (209, 17487), (213, 17496), (215, 17502), (227, 17550), (236, 17580), (241, 17616), (243, 17622), (246, 17643), (247, 17646), (258, 17697), (265, 17727), (269, 17754), (275, 17781), (294, 17853), (303, 17892), (325, 17946), (333, 17988), (350, 18063), (368, 18126), (373, 18153), (374, 18156), (376, 18171), (390, 18255), (391, 18264), (392, 18267), (394, 18273), (396, 18285), (397, 18288), (402, 18318), (404, 18324), (409, 18345), (410, 18348), (421, 18402), (431, 18432), (434, 18441), (450, 18492), (456, 18525), (459, 18537), (462, 18555),

Gene: Phabuloso_20 Start: 16422, Stop: 18119, Start Num: 83

Candidate Starts for Phabuloso_20:

(Start: 67 @16383 has 15 MA's), (Start: 83 @16422 has 67 MA's), (Start: 87 @16434 has 1 MA's), (96, 16473), (105, 16512), (112, 16533), (125, 16581), (127, 16590), (132, 16632), (140, 16668), (153, 16725), (163, 16773), (168, 16800), (196, 16941), (206, 16998), (209, 17016), (213, 17025), (215, 17031), (236, 17109), (241, 17145), (243, 17151), (246, 17172), (247, 17175), (258, 17226), (264, 17253), (265, 17256), (269, 17283), (275, 17310), (294, 17382), (303, 17421), (325, 17475), (333, 17517), (350, 17592), (368, 17655), (373, 17682), (374, 17685), (376, 17700), (390, 17784), (391, 17793), (392, 17796), (394, 17802), (396, 17814), (397, 17817), (402, 17847), (404, 17853), (409, 17874), (410, 17877), (421, 17931), (431, 17961), (434, 17970), (450, 18021), (456, 18054), (459, 18066), (462, 18084),

Gene: Phistory_21 Start: 17200, Stop: 18897, Start Num: 83

Candidate Starts for Phistory_21:

(Start: 67 @17161 has 15 MA's), (Start: 83 @17200 has 67 MA's), (Start: 87 @17212 has 1 MA's), (88, 17215), (96, 17251), (105, 17290), (112, 17311), (122, 17353), (125, 17359), (126, 17362), (128, 17374), (132, 17410), (140, 17446), (153, 17503), (163, 17551), (168, 17578), (185, 17680), (196, 17719), (206, 17776), (209, 17794), (213, 17803), (215, 17809), (227, 17857), (236, 17887), (241, 17923), (243, 17929), (246, 17950), (247, 17953), (258, 18004), (264, 18031), (265, 18034), (269, 18061), (275, 18088), (294, 18160), (303, 18199), (325, 18253), (338, 18325), (350, 18370), (373, 18460), (376, 18478), (390, 18562), (391, 18571), (392, 18574), (394, 18580), (397, 18595), (402, 18625), (404, 18631), (409, 18652), (410, 18655), (421, 18709), (431, 18739), (434, 18748), (450, 18799), (456, 18832), (459, 18844), (462, 18862),

Gene: Phlop_31 Start: 25945, Stop: 27711, Start Num: 62

Candidate Starts for Phlop_31:

(50, 25903), (Start: 62 @25945 has 73 MA's), (Start: 72 @25981 has 3 MA's), (Start: 84 @26014 has 7 MA's), (133, 26224), (134, 26227), (140, 26257), (154, 26323), (158, 26347), (160, 26356), (168, 26389), (200, 26542), (206, 26581), (219, 26632), (222, 26644), (227, 26662), (229, 26674), (233, 26686), (237, 26701), (242, 26731), (243, 26734), (246, 26755), (264, 26827), (273, 26875), (301, 26986), (310, 27019), (324, 27058), (325, 27061), (338, 27133), (358, 27199), (362, 27211), (392, 27382), (393, 27385), (402, 27433), (409, 27460), (414, 27487), (428, 27541), (459, 27658), (463, 27679), (467, 27706),

Gene: PinkCoffee_33 Start: 26584, Stop: 28350, Start Num: 62

Candidate Starts for PinkCoffee_33:

(50, 26542), (Start: 62 @26584 has 73 MA's), (Start: 72 @26620 has 3 MA's), (Start: 84 @26653 has 7 MA's), (133, 26863), (134, 26866), (140, 26896), (154, 26962), (158, 26986), (160, 26995), (168, 27028), (200, 27181), (206, 27220), (219, 27271), (222, 27283), (227, 27301), (229, 27313), (233, 27325), (237, 27340), (242, 27370), (243, 27373), (246, 27394), (264, 27466), (273, 27514), (301, 27625), (310, 27658), (325, 27700), (338, 27772), (358, 27838), (362, 27850), (392, 28021), (393, 28024), (402, 28072), (409, 28099), (414, 28126), (428, 28180), (459, 28297), (463, 28318), (467, 28345),

Gene: Poise_50 Start: 26718, Stop: 28430, Start Num: 74

Candidate Starts for Poise_50:

(56, 26655), (Start: 74 @26718 has 53 MA's), (98, 26799), (116, 26856), (132, 26937), (134, 26943), (145, 27000), (146, 27012), (150, 27024), (158, 27063), (162, 27078), (177, 27147), (184, 27201), (186, 27210), (222, 27366), (237, 27414), (238, 27423), (239, 27432), (247, 27471), (250, 27486), (264, 27549), (267, 27561), (292, 27678), (293, 27681), (306, 27732), (313, 27759), (316, 27762), (322, 27783), (331, 27825), (366, 27945), (370, 27963), (394, 28107), (402, 28152), (406, 28170), (426, 28254), (429, 28263), (438, 28281), (442, 28302), (454, 28347), (455, 28353), (458, 28365), (461, 28377), (463, 28389), (466, 28413), (468, 28419),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 76

Candidate Starts for Pollux_20:

(Start: 67 @17542 has 15 MA's), (Start: 76 @17566 has 17 MA's), (112, 17671), (123, 17713), (137, 17788), (158, 17902), (184, 18049), (185, 18055), (198, 18100), (232, 18238), (245, 18313), (313, 18595), (321, 18616), (336, 18691), (364, 18778), (370, 18814), (375, 18847), (376, 18853), (387, 18919), (392, 18949), (428, 19105), (431, 19111), (437, 19129), (463, 19240),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 79

Candidate Starts for Pons_18:

(Start: 79 @15412 has 8 MA's), (Start: 83 @15415 has 67 MA's), (110, 15514), (120, 15556), (127, 15577), (148, 15694), (171, 15796), (184, 15883), (191, 15913), (199, 15940), (206, 15985), (209, 16003), (215, 16018), (218, 16033), (233, 16090), (239, 16123), (242, 16135), (248, 16165), (260, 16222), (263, 16240), (268, 16270), (275, 16300), (280, 16315), (291, 16363), (304, 16414), (315, 16450), (320, 16465), (326, 16483), (336, 16540), (373, 16669), (375, 16681), (391, 16780), (392, 16783), (396, 16801), (413, 16879), (418, 16906), (431, 16948), (465, 17095), (466, 17101),

Gene: Pochiewood_18 Start: 16704, Stop: 18515, Start Num: 52

Candidate Starts for Pochiewood_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105),

(398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: Portcullis_31 Start: 25894, Stop: 27660, Start Num: 62

Candidate Starts for Portcullis_31:

(50, 25852), (Start: 62 @25894 has 73 MA's), (Start: 72 @25930 has 3 MA's), (Start: 84 @25963 has 7 MA's), (133, 26173), (134, 26176), (140, 26206), (154, 26272), (158, 26296), (160, 26305), (168, 26338), (200, 26491), (206, 26530), (219, 26581), (222, 26593), (227, 26611), (229, 26623), (233, 26635), (237, 26650), (242, 26680), (243, 26683), (246, 26704), (264, 26776), (273, 26824), (301, 26935), (310, 26968), (324, 27007), (325, 27010), (338, 27082), (358, 27148), (362, 27160), (392, 27331), (393, 27334), (402, 27382), (409, 27409), (414, 27436), (416, 27442), (428, 27490), (459, 27607), (463, 27628), (467, 27655),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 76

Candidate Starts for Posh_20:

(Start: 67 @17506 has 15 MA's), (Start: 76 @17530 has 17 MA's), (112, 17635), (123, 17677), (137, 17752), (158, 17866), (184, 18013), (185, 18019), (198, 18064), (232, 18202), (245, 18277), (313, 18559), (321, 18580), (336, 18655), (364, 18742), (370, 18778), (375, 18811), (376, 18817), (387, 18883), (392, 18913), (428, 19069), (431, 19075), (437, 19093), (463, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 79

Candidate Starts for PotPie_18:

(Start: 79 @16277 has 8 MA's), (Start: 83 @16280 has 67 MA's), (110, 16379), (120, 16421), (171, 16661), (184, 16748), (189, 16769), (191, 16778), (199, 16805), (206, 16850), (215, 16883), (218, 16898), (225, 16922), (233, 16955), (239, 16988), (242, 17000), (252, 17057), (263, 17105), (268, 17135), (275, 17165), (280, 17180), (291, 17228), (304, 17279), (315, 17315), (320, 17330), (326, 17348), (336, 17405), (338, 17414), (373, 17534), (375, 17546), (383, 17594), (391, 17645), (392, 17648), (396, 17666), (413, 17744), (418, 17771), (431, 17813), (465, 17960), (466, 17966),

Gene: Poushou_19 Start: 17425, Stop: 19089, Start Num: 82

Candidate Starts for Poushou_19:

(Start: 82 @17425 has 4 MA's), (92, 17458), (153, 17716), (169, 17794), (191, 17917), (194, 17926), (195, 17929), (198, 17938), (200, 17947), (235, 18088), (237, 18100), (246, 18154), (276, 18289), (285, 18322), (288, 18340), (291, 18352), (296, 18367), (313, 18427), (321, 18448), (324, 18457), (336, 18523), (343, 18556), (352, 18586), (359, 18592), (361, 18595), (375, 18664), (391, 18763), (394, 18772), (430, 18928), (434, 18940),

Gene: Pringar_50 Start: 27006, Stop: 28718, Start Num: 74

Candidate Starts for Pringar_50:

(56, 26943), (Start: 74 @27006 has 53 MA's), (98, 27087), (116, 27144), (132, 27225), (134, 27231), (145, 27288), (146, 27300), (150, 27312), (158, 27351), (162, 27366), (177, 27435), (184, 27489), (186, 27498), (222, 27654), (237, 27702), (238, 27711), (239, 27720), (247, 27759), (250, 27774), (264, 27837), (267, 27849), (292, 27966), (293, 27969), (306, 28020), (313, 28047), (316, 28050), (322, 28071), (331, 28113), (366, 28233), (370, 28251), (394, 28395), (402, 28440), (406, 28458), (426, 28542), (429, 28551), (438, 28569), (442, 28590), (454, 28635), (455, 28641), (458, 28653), (461, 28665), (463, 28677), (466, 28701), (468, 28707),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 79

Candidate Starts for PsychoKiller_18:

(Start: 79 @15729 has 8 MA's), (Start: 83 @15732 has 67 MA's), (133, 15942), (158, 16065), (171, 16116), (184, 16203), (186, 16212), (191, 16233), (196, 16248), (199, 16260), (215, 16338), (217, 16350), (225, 16377), (233, 16410), (239, 16443), (242, 16455), (250, 16497), (275, 16620), (294, 16692), (315, 16770), (320, 16785), (326, 16803), (336, 16860), (367, 16953), (373, 16989), (375,

17001), (376, 17007), (379, 17019), (380, 17028), (391, 17100), (392, 17103), (394, 17109), (396, 17121), (409, 17181), (418, 17226), (420, 17235), (431, 17268), (452, 17334),

Gene: PullumCavea_31 Start: 25945, Stop: 27711, Start Num: 62

Candidate Starts for PullumCavea_31:

(50, 25903), (Start: 62 @25945 has 73 MA's), (Start: 72 @25981 has 3 MA's), (Start: 84 @26014 has 7 MA's), (133, 26224), (134, 26227), (140, 26257), (154, 26323), (158, 26347), (160, 26356), (168, 26389), (200, 26542), (206, 26581), (219, 26632), (222, 26644), (227, 26662), (229, 26674), (233, 26686), (237, 26701), (242, 26731), (243, 26734), (246, 26755), (264, 26827), (273, 26875), (301, 26986), (310, 27019), (324, 27058), (325, 27061), (338, 27133), (358, 27199), (362, 27211), (392, 27382), (393, 27385), (402, 27433), (409, 27460), (414, 27487), (428, 27541), (459, 27658), (463, 27679), (467, 27706),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 76

Candidate Starts for Pytheas_20:

(Start: 67 @17652 has 15 MA's), (Start: 76 @17676 has 17 MA's), (112, 17781), (123, 17823), (137, 17898), (158, 18012), (184, 18159), (185, 18165), (232, 18348), (245, 18423), (313, 18705), (321, 18726), (336, 18801), (370, 18924), (375, 18957), (376, 18963), (387, 19029), (392, 19059), (428, 19215), (431, 19221), (437, 19239), (463, 19350),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 83

Candidate Starts for Quasar_18:

(Start: 79 @16338 has 8 MA's), (Start: 83 @16341 has 67 MA's), (133, 16551), (158, 16674), (171, 16725), (184, 16812), (186, 16821), (191, 16842), (196, 16857), (199, 16869), (215, 16947), (217, 16959), (225, 16986), (233, 17019), (239, 17052), (242, 17064), (275, 17229), (294, 17301), (315, 17379), (320, 17394), (326, 17412), (336, 17469), (367, 17562), (373, 17598), (375, 17610), (376, 17616), (379, 17628), (380, 17637), (391, 17709), (392, 17712), (394, 17718), (396, 17730), (409, 17790), (418, 17835), (420, 17844), (431, 17877), (452, 17943),

Gene: Quby_18 Start: 16580, Stop: 18343, Start Num: 61

Candidate Starts for Quby_18:

(Start: 61 @16580 has 40 MA's), (103, 16721), (131, 16829), (132, 16832), (175, 17030), (176, 17033), (178, 17045), (181, 17066), (203, 17174), (207, 17204), (237, 17312), (243, 17345), (244, 17360), (249, 17381), (282, 17537), (298, 17600), (308, 17642), (311, 17651), (328, 17705), (335, 17741), (370, 17867), (375, 17900), (391, 18002), (394, 18011), (398, 18029), (402, 18056), (415, 18113), (424, 18152), (433, 18176), (441, 18212), (448, 18227), (454, 18257), (460, 18284), (462, 18296), (465, 18317),

Gene: REQ3_50 Start: 32274, Stop: 33917, Start Num: 86

Candidate Starts for REQ3_50:

(Start: 80 @32259 has 5 MA's), (Start: 86 @32274 has 11 MA's), (89, 32283), (131, 32466), (134, 32475), (150, 32538), (153, 32550), (158, 32583), (169, 32625), (171, 32631), (181, 32691), (184, 32718), (185, 32724), (198, 32769), (205, 32805), (208, 32835), (215, 32853), (231, 32904), (237, 32928), (244, 32976), (264, 33054), (297, 33195), (305, 33222), (310, 33243), (313, 33252), (336, 33348), (337, 33354), (345, 33387), (351, 33408), (381, 33522), (394, 33597), (461, 33873), (463, 33885), (465, 33903), (466, 33909),

Gene: Rabbitrun_30 Start: 23608, Stop: 25353, Start Num: 71

Candidate Starts for Rabbitrun_30:

(51, 23530), (65, 23593), (Start: 71 @23608 has 7 MA's), (85, 23638), (95, 23680), (132, 23824), (136, 23836), (140, 23860), (146, 23899), (147, 23902), (152, 23920), (172, 24016), (175, 24037), (181, 24073), (184, 24103), (192, 24136), (200, 24163), (209, 24223), (231, 24292), (234, 24301), (237, 24316), (242, 24346), (263, 24454), (278, 24526), (279, 24535), (316, 24673), (317, 24676), (328,

24715), (334, 24748), (339, 24781), (341, 24790), (345, 24802), (360, 24832), (368, 24871), (370, 24877), (371, 24886), (391, 25012), (404, 25072), (412, 25108), (415, 25123), (424, 25159), (426, 25165), (429, 25174), (445, 25228), (454, 25270), (460, 25297), (463, 25312), (465, 25330), (468, 25342),

Gene: Raela_50 Start: 27273, Stop: 28985, Start Num: 74

Candidate Starts for Raela_50:

(56, 27210), (Start: 74 @27273 has 53 MA's), (98, 27354), (116, 27411), (132, 27492), (134, 27498), (145, 27555), (146, 27567), (150, 27579), (158, 27618), (162, 27633), (177, 27702), (184, 27756), (186, 27765), (222, 27921), (237, 27969), (239, 27987), (247, 28026), (250, 28041), (264, 28104), (267, 28116), (292, 28233), (293, 28236), (306, 28287), (313, 28314), (316, 28317), (322, 28338), (331, 28380), (366, 28500), (370, 28518), (394, 28662), (402, 28707), (406, 28725), (426, 28809), (438, 28836), (442, 28857), (454, 28902), (455, 28908), (458, 28920), (461, 28932), (463, 28944), (466, 28968), (468, 28974),

Gene: RanchParmCat_21 Start: 15469, Stop: 17157, Start Num: 83

Candidate Starts for RanchParmCat_21:

(27, 15154), (Start: 67 @15439 has 15 MA's), (Start: 79 @15466 has 8 MA's), (Start: 83 @15469 has 67 MA's), (105, 15553), (133, 15676), (140, 15709), (150, 15754), (181, 15910), (184, 15937), (191, 15967), (206, 16039), (215, 16069), (217, 16081), (225, 16108), (239, 16174), (254, 16255), (265, 16297), (267, 16306), (269, 16324), (281, 16369), (302, 16453), (312, 16489), (313, 16492), (315, 16495), (318, 16501), (320, 16510), (326, 16528), (336, 16585), (373, 16714), (375, 16726), (378, 16741), (380, 16753), (391, 16825), (392, 16828), (393, 16831), (396, 16846), (413, 16927), (431, 16996), (434, 17005), (464, 17134), (466, 17149),

Gene: RayTheFireFly_19 Start: 17529, Stop: 19223, Start Num: 86

Candidate Starts for RayTheFireFly_19:

(Start: 72 @17499 has 3 MA's), (Start: 86 @17529 has 11 MA's), (112, 17631), (125, 17682), (134, 17739), (143, 17790), (160, 17868), (163, 17874), (191, 18024), (219, 18147), (236, 18207), (241, 18243), (249, 18285), (259, 18327), (264, 18351), (269, 18381), (336, 18642), (358, 18717), (368, 18759), (376, 18804), (392, 18900), (393, 18903), (396, 18918), (436, 19077), (437, 19083), (459, 19170), (466, 19215),

Gene: RedBaron_19 Start: 15773, Stop: 17473, Start Num: 79

Candidate Starts for RedBaron_19:

(Start: 67 @15746 has 15 MA's), (Start: 79 @15773 has 8 MA's), (Start: 83 @15776 has 67 MA's), (133, 15986), (158, 16109), (171, 16160), (184, 16247), (196, 16292), (199, 16304), (215, 16382), (217, 16394), (225, 16421), (233, 16454), (239, 16487), (242, 16499), (250, 16541), (275, 16664), (294, 16736), (315, 16814), (320, 16829), (326, 16847), (336, 16904), (367, 16997), (373, 17033), (375, 17045), (376, 17051), (379, 17063), (380, 17072), (391, 17144), (392, 17147), (394, 17153), (396, 17165), (409, 17225), (418, 17270), (420, 17279), (431, 17312), (452, 17378),

Gene: RedRaider77_50 Start: 27174, Stop: 28886, Start Num: 74

Candidate Starts for RedRaider77_50:

(56, 27111), (Start: 74 @27174 has 53 MA's), (98, 27255), (116, 27312), (132, 27393), (134, 27399), (145, 27456), (146, 27468), (150, 27480), (158, 27519), (162, 27534), (177, 27603), (184, 27657), (186, 27666), (222, 27822), (237, 27870), (238, 27879), (239, 27888), (247, 27927), (250, 27942), (264, 28005), (267, 28017), (292, 28134), (293, 28137), (306, 28188), (313, 28215), (316, 28218), (322, 28239), (331, 28281), (366, 28401), (370, 28419), (394, 28563), (402, 28608), (406, 28626), (426, 28710), (429, 28719), (438, 28737), (442, 28758), (454, 28803), (455, 28809), (458, 28821), (461, 28833), (464, 28854), (466, 28869), (468, 28875),

Gene: Reindeer_26 Start: 22192, Stop: 23928, Start Num: 69

Candidate Starts for Reindeer_26:

(Start: 69 @22192 has 1 MA's), (75, 22207), (95, 22276), (100, 22294), (115, 22333), (129, 22399), (131, 22414), (140, 22453), (150, 22504), (155, 22525), (166, 22576), (169, 22585), (178, 22630), (182, 22663), (184, 22681), (195, 22723), (196, 22726), (218, 22837), (237, 22903), (259, 23014), (264, 23041), (272, 23083), (278, 23113), (279, 23122), (280, 23125), (282, 23134), (283, 23137), (294, 23182), (311, 23248), (314, 23257), (316, 23260), (328, 23302), (333, 23332), (335, 23338), (349, 23404), (368, 23458), (370, 23464), (381, 23530), (448, 23818), (454, 23845), (458, 23863), (460, 23872), (462, 23884), (466, 23911),

Gene: Rey_32 Start: 23117, Stop: 24883, Start Num: 58

Candidate Starts for Rey_32:

(Start: 55 @23102 has 3 MA's), (Start: 58 @23117 has 2 MA's), (Start: 67 @23144 has 15 MA's), (93, 23222), (95, 23228), (97, 23234), (100, 23246), (131, 23369), (140, 23408), (142, 23417), (144, 23432), (165, 23519), (166, 23531), (169, 23540), (178, 23585), (184, 23636), (195, 23678), (196, 23681), (203, 23714), (209, 23756), (212, 23765), (234, 23843), (237, 23858), (239, 23876), (278, 24068), (279, 24077), (282, 24089), (284, 24095), (308, 24194), (311, 24203), (314, 24212), (324, 24242), (331, 24281), (360, 24374), (368, 24413), (370, 24419), (371, 24428), (446, 24767), (448, 24773), (454, 24800), (464, 24851),

Gene: Ribeye_35 Start: 30796, Stop: 32559, Start Num: 62

Candidate Starts for Ribeye_35:

(Start: 62 @30796 has 73 MA's), (Start: 72 @30832 has 3 MA's), (109, 30961), (112, 30970), (131, 31066), (134, 31075), (148, 31144), (158, 31195), (169, 31240), (173, 31255), (176, 31273), (185, 31336), (198, 31381), (200, 31390), (227, 31510), (230, 31525), (237, 31549), (242, 31579), (292, 31801), (298, 31819), (301, 31834), (313, 31876), (324, 31906), (349, 32026), (374, 32119), (392, 32230), (393, 32233), (402, 32281), (409, 32308), (414, 32335), (428, 32389),

Gene: RiverRaider_35 Start: 29083, Stop: 30846, Start Num: 62

Candidate Starts for RiverRaider_35:

(57, 29065), (Start: 62 @29083 has 73 MA's), (Start: 72 @29119 has 3 MA's), (109, 29248), (112, 29257), (131, 29353), (134, 29362), (148, 29431), (150, 29437), (158, 29482), (160, 29491), (169, 29527), (185, 29623), (198, 29668), (200, 29677), (227, 29797), (230, 29812), (233, 29821), (237, 29836), (242, 29866), (275, 30022), (298, 30106), (301, 30121), (309, 30151), (310, 30154), (315, 30166), (369, 30379), (374, 30406), (392, 30517), (393, 30520), (409, 30595), (414, 30622), (428, 30676), (464, 30823),

Gene: Rofo_35 Start: 30807, Stop: 32570, Start Num: 62

Candidate Starts for Rofo_35:

(57, 30789), (Start: 62 @30807 has 73 MA's), (Start: 72 @30843 has 3 MA's), (112, 30981), (131, 31077), (134, 31086), (148, 31155), (158, 31206), (169, 31251), (173, 31266), (185, 31347), (198, 31392), (200, 31401), (219, 31491), (227, 31521), (230, 31536), (237, 31560), (242, 31590), (266, 31695), (292, 31812), (298, 31830), (301, 31845), (309, 31875), (313, 31887), (315, 31890), (324, 31917), (392, 32241), (393, 32244), (402, 32292), (409, 32319), (414, 32346), (428, 32400), (437, 32424), (439, 32427), (459, 32517), (467, 32565),

Gene: RogerDodger_34 Start: 26723, Stop: 28489, Start Num: 62

Candidate Starts for RogerDodger_34:

(50, 26681), (Start: 62 @26723 has 73 MA's), (Start: 72 @26759 has 3 MA's), (Start: 84 @26792 has 7 MA's), (125, 26948), (133, 27002), (134, 27005), (140, 27035), (154, 27101), (158, 27125), (168, 27167), (200, 27320), (206, 27359), (219, 27410), (222, 27422), (227, 27440), (229, 27452), (233, 27464), (237, 27479), (242, 27509), (243, 27512), (246, 27533), (264, 27605), (273, 27653), (301, 27764), (310, 27797), (324, 27836), (325, 27839), (338, 27911), (358, 27977), (362, 27989), (392, 28160), (393, 28163), (402, 28211), (409, 28238), (414, 28265), (428, 28319), (459, 28436), (463,

28457), (467, 28484),

Gene: RonRayGun_19 Start: 16980, Stop: 18686, Start Num: 74

Candidate Starts for RonRayGun_19:

(45, 16872), (49, 16884), (Start: 74 @16980 has 53 MA's), (95, 17046), (120, 17121), (122, 17127), (138, 17211), (147, 17265), (157, 17310), (158, 17313), (174, 17379), (237, 17664), (282, 17886), (331, 18075), (370, 18213), (372, 18225), (402, 18402), (411, 18438), (454, 18603), (460, 18630), (466, 18669), (468, 18675),

Gene: Ronaldo_56 Start: 28894, Stop: 30579, Start Num: 77

Candidate Starts for Ronaldo_56:

(38, 28702), (39, 28711), (40, 28717), (54, 28819), (63, 28849), (Start: 77 @28894 has 6 MA's), (118, 29035), (151, 29194), (163, 29248), (192, 29404), (215, 29503), (227, 29551), (239, 29608), (243, 29623), (263, 29713), (295, 29851), (313, 29914), (336, 30010), (347, 30061), (349, 30064), (354, 30076), (375, 30151), (378, 30166), (391, 30250), (409, 30331), (440, 30442), (463, 30547), (465, 30565),

Gene: Rose5_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for Rose5_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: Rumpelstiltskin_18 Start: 16995, Stop: 18728, Start Num: 74

Candidate Starts for Rumpelstiltskin_18:

(Start: 74 @16995 has 53 MA's), (95, 17064), (131, 17205), (132, 17208), (142, 17253), (147, 17286), (150, 17295), (157, 17331), (171, 17385), (176, 17412), (178, 17424), (184, 17475), (185, 17481), (194, 17514), (231, 17667), (237, 17691), (238, 17700), (246, 17745), (249, 17760), (264, 17838), (289, 17958), (306, 18021), (328, 18093), (335, 18129), (368, 18249), (370, 18255), (372, 18267), (382, 18330), (390, 18381), (398, 18417), (402, 18444), (417, 18513), (422, 18528), (424, 18540), (433, 18564), (454, 18642),

Gene: Salvador_31 Start: 25859, Stop: 27625, Start Num: 62

Candidate Starts for Salvador_31:

(50, 25817), (Start: 62 @25859 has 73 MA's), (Start: 72 @25895 has 3 MA's), (Start: 84 @25928 has 7 MA's), (125, 26084), (133, 26138), (134, 26141), (140, 26171), (154, 26237), (158, 26261), (160, 26270), (168, 26303), (200, 26456), (206, 26495), (219, 26546), (222, 26558), (227, 26576), (229, 26588), (233, 26600), (237, 26615), (242, 26645), (243, 26648), (246, 26669), (264, 26741), (273, 26789), (301, 26900), (310, 26933), (324, 26972), (325, 26975), (338, 27047), (358, 27113), (362, 27125), (392, 27296), (393, 27299), (402, 27347), (409, 27374), (414, 27401), (428, 27455), (459, 27572), (463, 27593), (467, 27620),

Gene: Samty_19 Start: 17376, Stop: 19139, Start Num: 61

Candidate Starts for Samty_19:

(Start: 61 @17376 has 40 MA's), (70, 17403), (91, 17466), (102, 17514), (103, 17520), (118, 17556), (132, 17631), (138, 17655), (139, 17661), (150, 17718), (176, 17832), (178, 17844), (200, 17955), (235, 18099), (237, 18111), (243, 18144), (244, 18159), (282, 18333), (284, 18339), (298, 18396), (308, 18438), (311, 18447), (316, 18459), (334, 18534), (349, 18603), (354, 18615), (370, 18663),

(381, 18729), (394, 18807), (402, 18852), (415, 18909), (433, 18972), (441, 19008), (448, 19023), (454, 19053), (455, 19059), (458, 19071), (460, 19080), (462, 19092),

Gene: Sanjuju_33 Start: 30976, Stop: 32739, Start Num: 62

Candidate Starts for Sanjuju_33:

(57, 30958), (Start: 62 @30976 has 73 MA's), (Start: 72 @31012 has 3 MA's), (112, 31150), (131, 31246), (134, 31255), (148, 31324), (158, 31375), (169, 31420), (173, 31435), (185, 31516), (198, 31561), (200, 31570), (219, 31660), (227, 31690), (230, 31705), (237, 31729), (242, 31759), (266, 31864), (292, 31981), (298, 31999), (301, 32014), (309, 32044), (313, 32056), (315, 32059), (324, 32086), (392, 32410), (393, 32413), (402, 32461), (409, 32488), (414, 32515), (428, 32569), (439, 32596), (465, 32725),

Gene: Saronaya_34 Start: 29639, Stop: 31402, Start Num: 62

Candidate Starts for Saronaya_34:

(Start: 62 @29639 has 73 MA's), (Start: 72 @29675 has 3 MA's), (109, 29804), (112, 29813), (131, 29909), (134, 29918), (148, 29987), (158, 30038), (160, 30047), (169, 30083), (173, 30098), (176, 30116), (185, 30179), (198, 30224), (200, 30233), (225, 30344), (227, 30353), (230, 30368), (237, 30392), (242, 30422), (292, 30644), (298, 30662), (301, 30677), (313, 30719), (324, 30749), (349, 30869), (374, 30962), (392, 31073), (393, 31076), (402, 31124), (409, 31151), (414, 31178), (428, 31232),

Gene: Sarshaun_18 Start: 17022, Stop: 18755, Start Num: 74

Candidate Starts for Sarshaun_18:

(Start: 74 @17022 has 53 MA's), (95, 17091), (131, 17232), (132, 17235), (142, 17280), (147, 17313), (150, 17322), (157, 17358), (171, 17412), (176, 17439), (178, 17451), (184, 17502), (185, 17508), (194, 17541), (231, 17694), (237, 17718), (238, 17727), (246, 17772), (249, 17787), (264, 17865), (289, 17985), (306, 18048), (328, 18120), (335, 18156), (368, 18276), (370, 18282), (372, 18294), (382, 18357), (398, 18444), (402, 18471), (417, 18540), (422, 18555), (424, 18567), (433, 18591), (454, 18669),

Gene: Savbucketdawg_31 Start: 25640, Stop: 27406, Start Num: 62

Candidate Starts for Savbucketdawg_31:

(50, 25598), (Start: 62 @25640 has 73 MA's), (Start: 72 @25676 has 3 MA's), (Start: 84 @25709 has 7 MA's), (133, 25919), (134, 25922), (140, 25952), (154, 26018), (158, 26042), (160, 26051), (168, 26084), (200, 26237), (206, 26276), (219, 26327), (222, 26339), (227, 26357), (229, 26369), (233, 26381), (237, 26396), (242, 26426), (243, 26429), (246, 26450), (264, 26522), (273, 26570), (301, 26681), (310, 26714), (324, 26753), (325, 26756), (338, 26828), (358, 26894), (362, 26906), (392, 27077), (395, 27089), (396, 27095), (402, 27128), (409, 27155), (414, 27182), (428, 27236), (459, 27353), (463, 27374), (467, 27401),

Gene: Schnabeltier_19 Start: 16963, Stop: 18693, Start Num: 80

Candidate Starts for Schnabeltier_19:

(46, 16846), (Start: 67 @16930 has 15 MA's), (Start: 72 @16942 has 3 MA's), (Start: 80 @16963 has 5 MA's), (127, 17134), (138, 17200), (143, 17233), (149, 17254), (185, 17446), (203, 17518), (209, 17560), (219, 17596), (227, 17626), (233, 17650), (241, 17692), (246, 17719), (259, 17776), (261, 17782), (279, 17869), (369, 18229), (373, 18253), (376, 18271), (392, 18367), (434, 18541), (436, 18544), (440, 18556), (457, 18631), (462, 18658),

Gene: SchottB_33 Start: 30654, Stop: 32417, Start Num: 62

Candidate Starts for SchottB_33:

(Start: 62 @30654 has 73 MA's), (Start: 72 @30690 has 3 MA's), (109, 30819), (112, 30828), (131, 30924), (134, 30933), (148, 31002), (158, 31053), (160, 31062), (169, 31098), (173, 31113), (176, 31131), (185, 31194), (198, 31239), (200, 31248), (225, 31359), (227, 31368), (230, 31383), (237,

31407), (242, 31437), (292, 31659), (298, 31677), (301, 31692), (313, 31734), (315, 31737), (324, 31764), (349, 31884), (392, 32088), (393, 32091), (402, 32139), (409, 32166), (414, 32193), (428, 32247),

Gene: Sedona_35 Start: 31913, Stop: 33676, Start Num: 62

Candidate Starts for Sedona_35:

(57, 31895), (Start: 62 @31913 has 73 MA's), (Start: 72 @31949 has 3 MA's), (112, 32087), (131, 32183), (134, 32192), (148, 32261), (158, 32312), (169, 32357), (173, 32372), (185, 32453), (198, 32498), (200, 32507), (219, 32597), (227, 32627), (230, 32642), (237, 32666), (242, 32696), (266, 32801), (292, 32918), (298, 32936), (301, 32951), (309, 32981), (313, 32993), (315, 32996), (324, 33023), (391, 33344), (392, 33347), (393, 33350), (402, 33398), (409, 33425), (414, 33452), (428, 33506), (437, 33530), (439, 33533), (459, 33623), (467, 33671),

Gene: Sephiroth_28 Start: 21951, Stop: 23702, Start Num: 71

Candidate Starts for Sephiroth_28:

(65, 21936), (Start: 71 @21951 has 7 MA's), (78, 21972), (Start: 80 @21975 has 5 MA's), (95, 22032), (101, 22053), (102, 22059), (114, 22086), (119, 22104), (121, 22113), (122, 22116), (132, 22176), (146, 22251), (152, 22272), (157, 22311), (184, 22455), (200, 22515), (201, 22521), (204, 22536), (209, 22575), (231, 22644), (234, 22653), (237, 22668), (238, 22677), (243, 22701), (246, 22722), (257, 22776), (262, 22794), (277, 22875), (279, 22887), (286, 22911), (316, 23025), (339, 23133), (346, 23157), (360, 23184), (370, 23229), (382, 23304), (383, 23310), (394, 23370), (404, 23421), (412, 23457), (424, 23508), (426, 23514), (435, 23538), (445, 23577), (450, 23592), (454, 23619), (461, 23649), (463, 23661), (468, 23691),

Gene: ShawBrad_20 Start: 16436, Stop: 18133, Start Num: 83

Candidate Starts for ShawBrad_20:

(Start: 67 @16397 has 15 MA's), (Start: 83 @16436 has 67 MA's), (Start: 87 @16448 has 1 MA's), (105, 16526), (112, 16547), (125, 16595), (127, 16604), (132, 16646), (140, 16682), (153, 16739), (163, 16787), (168, 16814), (206, 17012), (209, 17030), (213, 17039), (215, 17045), (227, 17093), (236, 17123), (241, 17159), (246, 17186), (247, 17189), (258, 17240), (265, 17270), (269, 17297), (275, 17324), (294, 17396), (303, 17435), (325, 17489), (333, 17531), (350, 17606), (368, 17669), (373, 17696), (374, 17699), (376, 17714), (390, 17798), (391, 17807), (392, 17810), (394, 17816), (396, 17828), (397, 17831), (402, 17861), (404, 17867), (409, 17888), (410, 17891), (421, 17945), (431, 17975), (434, 17984), (450, 18035), (456, 18068), (459, 18080), (462, 18098),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 83

Candidate Starts for SheckWes_17:

(Start: 79 @15412 has 8 MA's), (Start: 83 @15415 has 67 MA's), (110, 15514), (120, 15556), (127, 15577), (148, 15694), (171, 15796), (184, 15883), (191, 15913), (199, 15940), (206, 15985), (209, 16003), (215, 16018), (218, 16033), (233, 16090), (239, 16123), (242, 16135), (260, 16222), (263, 16240), (268, 16270), (275, 16300), (280, 16315), (291, 16363), (304, 16414), (315, 16450), (320, 16465), (326, 16483), (336, 16540), (373, 16669), (375, 16681), (391, 16780), (392, 16783), (396, 16801), (413, 16879), (418, 16906), (431, 16948), (465, 17095), (466, 17101),

Gene: Sheng711_18 Start: 16572, Stop: 18335, Start Num: 61

Candidate Starts for Sheng711_18:

(Start: 61 @16572 has 40 MA's), (103, 16713), (131, 16821), (132, 16824), (175, 17022), (176, 17025), (178, 17037), (181, 17058), (203, 17166), (207, 17196), (237, 17304), (243, 17337), (244, 17352), (249, 17373), (282, 17529), (298, 17592), (308, 17634), (311, 17643), (316, 17655), (328, 17697), (335, 17733), (370, 17859), (375, 17892), (391, 17994), (394, 18003), (398, 18021), (402, 18048), (415, 18105), (424, 18144), (433, 18168), (441, 18204), (448, 18219), (454, 18249), (460, 18276), (462, 18288), (465, 18309),

Gene: Shinji_31 Start: 25793, Stop: 27601, Start Num: 50

Candidate Starts for Shinji_31:

(50, 25793), (Start: 62 @25835 has 73 MA's), (Start: 72 @25871 has 3 MA's), (Start: 84 @25904 has 7 MA's), (133, 26114), (134, 26117), (140, 26147), (154, 26213), (158, 26237), (160, 26246), (168, 26279), (200, 26432), (206, 26471), (219, 26522), (222, 26534), (227, 26552), (229, 26564), (233, 26576), (237, 26591), (242, 26621), (243, 26624), (246, 26645), (264, 26717), (273, 26765), (301, 26876), (310, 26909), (324, 26948), (325, 26951), (338, 27023), (358, 27089), (362, 27101), (392, 27272), (393, 27275), (402, 27323), (409, 27350), (414, 27377), (416, 27383), (428, 27431), (459, 27548), (463, 27569), (467, 27596),

Gene: Shivanishola_36 Start: 30875, Stop: 32638, Start Num: 62

Candidate Starts for Shivanishola_36:

(57, 30857), (Start: 62 @30875 has 73 MA's), (Start: 72 @30911 has 3 MA's), (112, 31049), (131, 31145), (134, 31154), (148, 31223), (158, 31274), (169, 31319), (173, 31334), (185, 31415), (198, 31460), (200, 31469), (219, 31559), (227, 31589), (230, 31604), (237, 31628), (242, 31658), (266, 31763), (292, 31880), (298, 31898), (301, 31913), (309, 31943), (313, 31955), (315, 31958), (324, 31985), (392, 32309), (393, 32312), (402, 32360), (409, 32387), (414, 32414), (428, 32468), (439, 32495), (465, 32624),

Gene: Silverleaf_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for Silverleaf_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: Sitar_35 Start: 31965, Stop: 33728, Start Num: 62

Candidate Starts for Sitar_35:

(57, 31947), (Start: 62 @31965 has 73 MA's), (Start: 72 @32001 has 3 MA's), (112, 32139), (131, 32235), (134, 32244), (148, 32313), (158, 32364), (169, 32409), (173, 32424), (185, 32505), (198, 32550), (200, 32559), (219, 32649), (227, 32679), (230, 32694), (237, 32718), (242, 32748), (266, 32853), (292, 32970), (298, 32988), (301, 33003), (309, 33033), (313, 33045), (315, 33048), (324, 33075), (392, 33399), (393, 33402), (402, 33450), (409, 33477), (414, 33504), (428, 33558), (439, 33585), (467, 33723),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 79

Candidate Starts for SketchMex_17:

(Start: 67 @15350 has 15 MA's), (Start: 79 @15377 has 8 MA's), (Start: 83 @15380 has 67 MA's), (133, 15590), (169, 15758), (171, 15764), (189, 15872), (191, 15881), (199, 15908), (205, 15938), (206, 15953), (215, 15986), (217, 15998), (227, 16034), (239, 16091), (242, 16103), (275, 16268), (315, 16418), (320, 16433), (326, 16451), (336, 16508), (373, 16637), (375, 16649), (379, 16667), (380, 16676), (391, 16748), (392, 16751), (394, 16757), (396, 16769), (418, 16874), (420, 16883), (431, 16916),

Gene: Skinny_29 Start: 22368, Stop: 24104, Start Num: 67

Candidate Starts for Skinny_29:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079),

(259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: SlimJimmy_27 Start: 22354, Stop: 24090, Start Num: 67

Candidate Starts for SlimJimmy_27:

(34, 22132), (Start: 55 @22312 has 3 MA's), (Start: 58 @22327 has 2 MA's), (Start: 67 @22354 has 15 MA's), (75, 22369), (89, 22408), (95, 22438), (97, 22444), (100, 22456), (129, 22561), (131, 22576), (140, 22615), (166, 22738), (169, 22747), (184, 22843), (195, 22885), (196, 22888), (237, 23065), (259, 23176), (264, 23203), (278, 23275), (279, 23284), (280, 23287), (283, 23299), (314, 23419), (316, 23422), (328, 23464), (333, 23494), (335, 23500), (368, 23620), (370, 23626), (448, 23980), (454, 24007), (458, 24025), (460, 24034),

Gene: SmokingBunny_31 Start: 25850, Stop: 27616, Start Num: 62

Candidate Starts for SmokingBunny_31:

(50, 25808), (Start: 62 @25850 has 73 MA's), (Start: 72 @25886 has 3 MA's), (Start: 84 @25919 has 7 MA's), (133, 26129), (134, 26132), (140, 26162), (154, 26228), (158, 26252), (160, 26261), (168, 26294), (200, 26447), (206, 26486), (219, 26537), (222, 26549), (227, 26567), (229, 26579), (233, 26591), (237, 26606), (242, 26636), (243, 26639), (246, 26660), (264, 26732), (273, 26780), (301, 26891), (310, 26924), (324, 26963), (325, 26966), (338, 27038), (358, 27104), (362, 27116), (392, 27287), (393, 27290), (402, 27338), (409, 27365), (414, 27392), (416, 27398), (428, 27446), (459, 27563), (463, 27584), (467, 27611),

Gene: Snenia_19 Start: 17374, Stop: 19137, Start Num: 61

Candidate Starts for Snenia_19:

(Start: 61 @17374 has 40 MA's), (70, 17401), (91, 17464), (102, 17512), (103, 17518), (118, 17554), (132, 17629), (138, 17653), (139, 17659), (150, 17716), (176, 17830), (178, 17842), (200, 17953), (235, 18097), (237, 18109), (243, 18142), (282, 18331), (284, 18337), (298, 18394), (308, 18436), (311, 18445), (316, 18457), (334, 18532), (349, 18601), (354, 18613), (370, 18661), (381, 18727), (394, 18805), (402, 18850), (415, 18907), (433, 18970), (441, 19006), (448, 19021), (454, 19051), (455, 19057), (458, 19069), (460, 19078), (462, 19090),

Gene: Soap141_18 Start: 17022, Stop: 18755, Start Num: 74

Candidate Starts for Soap141_18:

(Start: 74 @17022 has 53 MA's), (95, 17091), (131, 17232), (132, 17235), (142, 17280), (147, 17313), (150, 17322), (157, 17358), (171, 17412), (176, 17439), (178, 17451), (184, 17502), (185, 17508), (194, 17541), (231, 17694), (237, 17718), (238, 17727), (246, 17772), (249, 17787), (264, 17865), (289, 17985), (306, 18048), (328, 18120), (335, 18156), (368, 18276), (370, 18282), (372, 18294), (382, 18357), (398, 18444), (402, 18471), (417, 18540), (422, 18555), (424, 18567), (433, 18591), (454, 18669),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 79

Candidate Starts for Sopespian_18:

(Start: 79 @15730 has 8 MA's), (Start: 83 @15733 has 67 MA's), (133, 15943), (158, 16066), (171, 16117), (184, 16204), (186, 16213), (191, 16234), (196, 16249), (199, 16261), (215, 16339), (217, 16351), (225, 16378), (233, 16411), (239, 16444), (242, 16456), (250, 16498), (275, 16621), (294, 16693), (315, 16771), (320, 16786), (326, 16804), (336, 16861), (367, 16954), (373, 16990), (375, 17002), (376, 17008), (379, 17020), (380, 17029), (391, 17101), (392, 17104), (394, 17110), (396, 17122), (409, 17182), (418, 17227), (420, 17236), (431, 17269), (452, 17335),

Gene: Soul22_19 Start: 13742, Stop: 15406, Start Num: 84

Candidate Starts for Soul22_19:

(Start: 84 @13742 has 7 MA's), (104, 13823), (113, 13853), (118, 13874), (121, 13886), (134, 13952), (142, 13991), (143, 14003), (150, 14027), (161, 14084), (163, 14087), (167, 14111), (169, 14117), (170, 14120), (179, 14165), (181, 14183), (186, 14219), (209, 14330), (220, 14366), (227, 14393), (229, 14405), (230, 14408), (239, 14450), (242, 14462), (246, 14486), (261, 14540), (282, 14639), (307, 14732), (315, 14759), (319, 14771), (333, 14816), (336, 14837), (338, 14846), (363, 14918), (392, 15080), (393, 15083), (394, 15086), (418, 15203), (431, 15245), (453, 15329), (463, 15374), (465, 15392),

Gene: Sparky_16 Start: 16144, Stop: 17859, Start Num: 72

Candidate Starts for Sparky_16:

(Start: 72 @16144 has 3 MA's), (75, 16153), (116, 16279), (131, 16357), (133, 16363), (134, 16366), (141, 16399), (150, 16447), (151, 16453), (166, 16519), (174, 16552), (177, 16570), (195, 16666), (220, 16780), (237, 16837), (239, 16855), (246, 16891), (264, 16972), (266, 16981), (282, 17059), (290, 17095), (316, 17185), (335, 17260), (370, 17386), (385, 17476), (403, 17578), (438, 17707), (450, 17749), (454, 17776), (460, 17803), (462, 17815), (463, 17818), (466, 17842),

Gene: Spooky_20 Start: 16409, Stop: 18106, Start Num: 83

Candidate Starts for Spooky_20:

(Start: 67 @16370 has 15 MA's), (Start: 83 @16409 has 67 MA's), (Start: 87 @16421 has 1 MA's), (88, 16424), (99, 16472), (105, 16499), (112, 16520), (118, 16547), (122, 16562), (125, 16568), (126, 16571), (128, 16583), (132, 16619), (140, 16655), (153, 16712), (156, 16733), (163, 16760), (168, 16787), (206, 16985), (209, 17003), (213, 17012), (215, 17018), (227, 17066), (236, 17096), (241, 17132), (243, 17138), (246, 17159), (247, 17162), (264, 17240), (265, 17243), (269, 17270), (275, 17297), (294, 17369), (303, 17408), (325, 17462), (338, 17534), (350, 17579), (368, 17642), (373, 17669), (374, 17672), (376, 17687), (390, 17771), (391, 17780), (392, 17783), (394, 17789), (397, 17804), (402, 17834), (404, 17840), (409, 17861), (410, 17864), (421, 17918), (431, 17948), (434, 17957), (450, 18008), (456, 18041), (459, 18053), (462, 18071),

Gene: Squiddly_22 Start: 17821, Stop: 19518, Start Num: 83

Candidate Starts for Squiddly_22:

(Start: 67 @17782 has 15 MA's), (Start: 83 @17821 has 67 MA's), (Start: 87 @17833 has 1 MA's), (88, 17836), (105, 17911), (112, 17932), (118, 17959), (122, 17974), (125, 17980), (126, 17983), (128, 17995), (132, 18031), (138, 18055), (140, 18067), (153, 18124), (156, 18145), (163, 18172), (168, 18199), (176, 18235), (196, 18340), (206, 18397), (209, 18415), (213, 18424), (215, 18430), (227, 18478), (236, 18508), (241, 18544), (243, 18550), (246, 18571), (247, 18574), (264, 18652), (265, 18655), (269, 18682), (275, 18709), (294, 18781), (303, 18820), (325, 18874), (331, 18910), (338, 18946), (350, 18991), (368, 19054), (369, 19057), (373, 19081), (374, 19084), (376, 19099), (390, 19183), (391, 19192), (392, 19195), (394, 19201), (397, 19216), (402, 19246), (404, 19252), (409, 19273), (410, 19276), (421, 19330), (431, 19360), (434, 19369), (450, 19420), (456, 19453), (459, 19465), (462, 19483),

Gene: Starburst_19 Start: 15729, Stop: 17429, Start Num: 79

Candidate Starts for Starburst_19:

(Start: 79 @15729 has 8 MA's), (Start: 83 @15732 has 67 MA's), (133, 15942), (158, 16065), (160, 16074), (171, 16116), (184, 16203), (186, 16212), (191, 16233), (196, 16248), (199, 16260), (215, 16338), (217, 16350), (225, 16377), (233, 16410), (239, 16443), (242, 16455), (250, 16497), (275, 16620), (294, 16692), (315, 16770), (320, 16785), (326, 16803), (336, 16860), (367, 16953), (373, 16989), (375, 17001), (376, 17007), (379, 17019), (380, 17028), (391, 17100), (392, 17103), (394, 17109), (396, 17121), (409, 17181), (418, 17226), (420, 17235), (431, 17268), (452, 17334),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 83

Candidate Starts for SteamedHams_20:

(Start: 79 @15395 has 8 MA's), (Start: 83 @15398 has 67 MA's), (110, 15500), (113, 15512), (133, 15608), (151, 15692), (171, 15782), (181, 15842), (184, 15869), (191, 15899), (192, 15902), (206, 15971), (215, 16004), (217, 16016), (218, 16019), (224, 16040), (225, 16043), (239, 16109), (242, 16121), (275, 16286), (315, 16436), (320, 16451), (326, 16469), (336, 16526), (375, 16667), (376, 16673), (379, 16685), (380, 16694), (391, 16766), (392, 16769), (394, 16775), (396, 16787), (418, 16892), (420, 16901), (431, 16934),

Gene: StorminNorm_34 Start: 29521, Stop: 31284, Start Num: 62

Candidate Starts for StorminNorm_34:

(Start: 62 @29521 has 73 MA's), (Start: 72 @29557 has 3 MA's), (109, 29686), (112, 29695), (131, 29791), (134, 29800), (148, 29869), (158, 29920), (169, 29965), (173, 29980), (176, 29998), (185, 30061), (198, 30106), (200, 30115), (225, 30226), (227, 30235), (230, 30250), (237, 30274), (242, 30304), (292, 30526), (298, 30544), (301, 30559), (313, 30601), (315, 30604), (324, 30631), (349, 30751), (368, 30814), (392, 30955), (393, 30958), (402, 31006), (409, 31033), (414, 31060), (428, 31114), (439, 31141),

Gene: Stultus_33 Start: 29892, Stop: 31655, Start Num: 62

Candidate Starts for Stultus_33:

(57, 29874), (Start: 62 @29892 has 73 MA's), (Start: 72 @29928 has 3 MA's), (112, 30066), (131, 30162), (134, 30171), (148, 30240), (158, 30291), (169, 30336), (173, 30351), (185, 30432), (198, 30477), (200, 30486), (219, 30576), (227, 30606), (230, 30621), (237, 30645), (242, 30675), (292, 30897), (298, 30915), (301, 30930), (309, 30960), (313, 30972), (315, 30975), (324, 31002), (392, 31326), (393, 31329), (402, 31377), (409, 31404), (414, 31431), (428, 31485), (439, 31512), (465, 31641),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 83

Candidate Starts for SummitAcademy_17:

(Start: 79 @15492 has 8 MA's), (Start: 83 @15495 has 67 MA's), (110, 15594), (120, 15636), (171, 15876), (184, 15963), (189, 15984), (191, 15993), (199, 16020), (206, 16065), (215, 16098), (218, 16113), (225, 16137), (233, 16170), (239, 16203), (242, 16215), (252, 16272), (263, 16320), (268, 16350), (275, 16380), (280, 16395), (291, 16443), (304, 16494), (315, 16530), (320, 16545), (326, 16563), (336, 16620), (338, 16629), (373, 16749), (375, 16761), (383, 16809), (391, 16860), (392, 16863), (396, 16881), (413, 16959), (418, 16986), (431, 17028), (465, 17175), (466, 17181),

Gene: Survivors_20 Start: 16559, Stop: 18253, Start Num: 83

Candidate Starts for Survivors_20:

(27, 16235), (Start: 83 @16559 has 67 MA's), (149, 16844), (150, 16847), (158, 16892), (163, 16907), (179, 16985), (184, 17030), (206, 17132), (210, 17153), (215, 17165), (217, 17177), (218, 17180), (233, 17237), (239, 17270), (243, 17285), (254, 17351), (265, 17393), (267, 17402), (275, 17447), (291, 17510), (313, 17591), (320, 17609), (324, 17618), (326, 17627), (336, 17684), (338, 17693), (375, 17825), (380, 17852), (383, 17873), (391, 17924), (392, 17927), (413, 18023), (418, 18050), (420, 18059), (421, 18062), (431, 18092), (437, 18110), (451, 18155), (466, 18245),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 83

Candidate Starts for SweatNTears_20:

(Start: 67 @15861 has 15 MA's), (Start: 79 @15888 has 8 MA's), (Start: 83 @15891 has 67 MA's), (133, 16101), (169, 16269), (171, 16275), (189, 16383), (199, 16419), (205, 16449), (206, 16464), (215, 16497), (217, 16509), (227, 16545), (239, 16602), (242, 16614), (267, 16734), (270, 16755), (275, 16779), (315, 16929), (320, 16944), (326, 16962), (336, 17019), (373, 17148), (375, 17160), (379, 17178), (380, 17187), (391, 17259), (392, 17262), (394, 17268), (396, 17280), (418, 17385), (420, 17394), (431, 17427), (462, 17553),

Gene: Syleon_28 Start: 21873, Stop: 23624, Start Num: 71

Candidate Starts for Syleon_28:

(65, 21858), (Start: 71 @21873 has 7 MA's), (78, 21894), (Start: 80 @21897 has 5 MA's), (95, 21954), (101, 21975), (102, 21981), (114, 22008), (119, 22026), (121, 22035), (122, 22038), (132, 22098), (146, 22173), (152, 22194), (157, 22233), (184, 22377), (200, 22437), (201, 22443), (204, 22458), (209, 22497), (231, 22566), (234, 22575), (237, 22590), (238, 22599), (243, 22623), (246, 22644), (257, 22698), (262, 22716), (277, 22797), (279, 22809), (286, 22833), (316, 22947), (339, 23055), (346, 23079), (360, 23106), (370, 23151), (382, 23226), (383, 23232), (394, 23292), (404, 23343), (412, 23379), (424, 23430), (426, 23436), (435, 23460), (445, 23499), (450, 23514), (454, 23541), (461, 23571), (463, 23583), (468, 23613),

Gene: Tangent_35 Start: 30329, Stop: 32092, Start Num: 62

Candidate Starts for Tangent_35:

(57, 30311), (Start: 62 @30329 has 73 MA's), (Start: 72 @30365 has 3 MA's), (112, 30503), (131, 30599), (134, 30608), (148, 30677), (158, 30728), (169, 30773), (173, 30788), (185, 30869), (198, 30914), (200, 30923), (206, 30962), (219, 31013), (227, 31043), (230, 31058), (237, 31082), (242, 31112), (266, 31217), (292, 31334), (298, 31352), (301, 31367), (309, 31397), (313, 31409), (315, 31412), (324, 31439), (392, 31763), (393, 31766), (402, 31814), (409, 31841), (414, 31868), (428, 31922), (437, 31946), (439, 31949), (459, 32039), (467, 32087),

Gene: Tangerine_34 Start: 29524, Stop: 31287, Start Num: 62

Candidate Starts for Tangerine_34:

(Start: 62 @29524 has 73 MA's), (Start: 72 @29560 has 3 MA's), (109, 29689), (112, 29698), (131, 29794), (134, 29803), (148, 29872), (158, 29923), (160, 29932), (169, 29968), (173, 29983), (176, 30001), (185, 30064), (198, 30109), (200, 30118), (225, 30229), (227, 30238), (230, 30253), (237, 30277), (242, 30307), (292, 30529), (298, 30547), (301, 30562), (313, 30604), (324, 30634), (349, 30754), (374, 30847), (392, 30958), (393, 30961), (402, 31009), (409, 31036), (414, 31063), (428, 31117),

Gene: TaronosaurusRx_19 Start: 16979, Stop: 18709, Start Num: 80

Candidate Starts for TaronosaurusRx_19:

(28, 16667), (46, 16862), (Start: 67 @16946 has 15 MA's), (Start: 72 @16958 has 3 MA's), (Start: 80 @16979 has 5 MA's), (138, 17216), (143, 17249), (185, 17462), (203, 17534), (209, 17576), (220, 17615), (227, 17642), (233, 17666), (241, 17708), (246, 17735), (247, 17738), (259, 17792), (261, 17798), (279, 17885), (355, 18176), (356, 18179), (369, 18245), (373, 18269), (376, 18287), (392, 18383), (396, 18401), (421, 18518), (434, 18557), (436, 18560), (440, 18572), (457, 18647), (462, 18674),

Gene: Tesla_49 Start: 27023, Stop: 28735, Start Num: 74

Candidate Starts for Tesla_49:

(56, 26960), (Start: 74 @27023 has 53 MA's), (98, 27104), (116, 27161), (132, 27242), (134, 27248), (145, 27305), (146, 27317), (150, 27329), (158, 27368), (162, 27383), (177, 27452), (184, 27506), (186, 27515), (222, 27671), (237, 27719), (238, 27728), (239, 27737), (247, 27776), (250, 27791), (264, 27854), (267, 27866), (292, 27983), (293, 27986), (306, 28037), (313, 28064), (316, 28067), (322, 28088), (331, 28130), (366, 28250), (370, 28268), (394, 28412), (402, 28457), (406, 28475), (426, 28559), (429, 28568), (438, 28586), (442, 28607), (454, 28652), (455, 28658), (458, 28670), (461, 28682), (464, 28703), (466, 28718), (468, 28724),

Gene: Thing3_34 Start: 30813, Stop: 32576, Start Num: 62

Candidate Starts for Thing3_34:

(57, 30795), (Start: 62 @30813 has 73 MA's), (Start: 72 @30849 has 3 MA's), (112, 30987), (131, 31083), (134, 31092), (148, 31161), (158, 31212), (169, 31257), (173, 31272), (185, 31353), (198, 31398), (200, 31407), (206, 31446), (219, 31497), (220, 31500), (227, 31527), (230, 31542), (237, 31566), (242, 31596), (266, 31701), (292, 31818), (298, 31836), (301, 31851), (309, 31881), (313,

31893), (315, 31896), (324, 31923), (392, 32247), (393, 32250), (402, 32298), (409, 32325), (414, 32352), (428, 32406), (439, 32433), (465, 32562),

Gene: TillyBobJoe_31 Start: 25649, Stop: 27415, Start Num: 62

Candidate Starts for TillyBobJoe_31:

(50, 25607), (Start: 62 @25649 has 73 MA's), (Start: 72 @25685 has 3 MA's), (Start: 84 @25718 has 7 MA's), (133, 25928), (134, 25931), (140, 25961), (154, 26027), (158, 26051), (160, 26060), (168, 26093), (200, 26246), (206, 26285), (219, 26336), (222, 26348), (227, 26366), (229, 26378), (233, 26390), (237, 26405), (242, 26435), (243, 26438), (246, 26459), (264, 26531), (273, 26579), (301, 26690), (310, 26723), (325, 26765), (338, 26837), (358, 26903), (362, 26915), (392, 27086), (393, 27089), (402, 27137), (409, 27164), (414, 27191), (416, 27197), (428, 27245), (459, 27362), (463, 27383),

Gene: Togo_31 Start: 25850, Stop: 27616, Start Num: 62

Candidate Starts for Togo_31:

(50, 25808), (Start: 62 @25850 has 73 MA's), (Start: 72 @25886 has 3 MA's), (Start: 84 @25919 has 7 MA's), (133, 26129), (134, 26132), (140, 26162), (154, 26228), (158, 26252), (160, 26261), (168, 26294), (200, 26447), (206, 26486), (219, 26537), (222, 26549), (227, 26567), (229, 26579), (233, 26591), (237, 26606), (242, 26636), (243, 26639), (246, 26660), (264, 26732), (273, 26780), (301, 26891), (310, 26924), (324, 26963), (325, 26966), (338, 27038), (358, 27104), (362, 27116), (392, 27287), (393, 27290), (402, 27338), (409, 27365), (414, 27392), (416, 27398), (428, 27446), (459, 27563), (463, 27584), (467, 27611),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 83

Candidate Starts for Tolls_20:

(Start: 79 @15398 has 8 MA's), (Start: 83 @15401 has 67 MA's), (110, 15503), (113, 15515), (133, 15611), (151, 15695), (171, 15785), (181, 15845), (184, 15872), (191, 15902), (192, 15905), (206, 15974), (215, 16007), (217, 16019), (218, 16022), (224, 16043), (225, 16046), (239, 16112), (242, 16124), (275, 16289), (315, 16439), (320, 16454), (326, 16472), (336, 16529), (375, 16670), (376, 16676), (379, 16688), (380, 16697), (391, 16769), (392, 16772), (394, 16778), (396, 16790), (418, 16895), (420, 16904), (431, 16937),

Gene: TouchMeNot_19 Start: 17425, Stop: 19089, Start Num: 82

Candidate Starts for TouchMeNot_19:

(Start: 82 @17425 has 4 MA's), (92, 17458), (153, 17716), (169, 17794), (191, 17917), (194, 17926), (195, 17929), (198, 17938), (200, 17947), (235, 18088), (237, 18100), (246, 18154), (276, 18289), (285, 18322), (288, 18340), (291, 18352), (296, 18367), (313, 18427), (321, 18448), (324, 18457), (336, 18523), (343, 18556), (352, 18586), (359, 18592), (361, 18595), (375, 18664), (391, 18763), (394, 18772), (430, 18928), (434, 18940),

Gene: Tourach_18 Start: 16987, Stop: 18720, Start Num: 74

Candidate Starts for Tourach_18:

(Start: 74 @16987 has 53 MA's), (95, 17056), (131, 17197), (132, 17200), (139, 17230), (142, 17245), (147, 17278), (157, 17323), (171, 17377), (176, 17404), (178, 17416), (184, 17467), (185, 17473), (194, 17506), (231, 17659), (237, 17683), (238, 17692), (246, 17737), (256, 17788), (289, 17950), (306, 18013), (328, 18085), (335, 18121), (365, 18220), (368, 18241), (370, 18247), (372, 18259), (382, 18322), (398, 18409), (402, 18436), (404, 18442), (411, 18469), (413, 18481), (417, 18505), (422, 18520), (433, 18556), (454, 18634), (458, 18652),

Gene: Trax_28 Start: 23606, Stop: 25348, Start Num: 71

Candidate Starts for Trax_28:

(51, 23528), (65, 23591), (Start: 71 @23606 has 7 MA's), (78, 23618), (85, 23636), (95, 23678), (102, 23705), (122, 23762), (132, 23822), (146, 23897), (147, 23900), (150, 23909), (152, 23918), (157,

23957), (158, 23960), (172, 24014), (175, 24035), (181, 24071), (184, 24101), (200, 24161), (201, 24167), (209, 24221), (231, 24290), (234, 24299), (237, 24314), (257, 24422), (261, 24428), (286, 24554), (308, 24647), (316, 24668), (317, 24671), (334, 24743), (339, 24776), (345, 24797), (368, 24866), (370, 24872), (371, 24881), (390, 24998), (391, 25007), (404, 25067), (412, 25103), (415, 25118), (424, 25154), (426, 25160), (445, 25223), (454, 25265), (460, 25292), (463, 25307), (468, 25337),

Gene: TriFive_19 Start: 17373, Stop: 19136, Start Num: 61

Candidate Starts for TriFive_19:

(Start: 61 @17373 has 40 MA's), (70, 17400), (91, 17463), (102, 17511), (103, 17517), (118, 17553), (132, 17628), (138, 17652), (139, 17658), (150, 17715), (176, 17829), (178, 17841), (200, 17952), (235, 18096), (237, 18108), (243, 18141), (282, 18330), (284, 18336), (298, 18393), (308, 18435), (311, 18444), (316, 18456), (334, 18531), (349, 18600), (354, 18612), (370, 18660), (381, 18726), (394, 18804), (402, 18849), (415, 18906), (433, 18969), (441, 19005), (448, 19020), (454, 19050), (455, 19056), (458, 19068), (460, 19077), (462, 19089),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 83

Candidate Starts for Troje_18:

(Start: 67 @15332 has 15 MA's), (Start: 79 @15359 has 8 MA's), (Start: 83 @15362 has 67 MA's), (133, 15572), (169, 15740), (171, 15746), (189, 15854), (199, 15890), (205, 15920), (206, 15935), (215, 15968), (217, 15980), (227, 16016), (239, 16073), (242, 16085), (267, 16205), (270, 16226), (275, 16250), (315, 16400), (320, 16415), (326, 16433), (336, 16490), (373, 16619), (375, 16631), (379, 16649), (380, 16658), (391, 16730), (392, 16733), (394, 16739), (396, 16751), (418, 16856), (420, 16865), (431, 16898), (462, 17024),

Gene: Twister6_33 Start: 26286, Stop: 28052, Start Num: 62

Candidate Starts for Twister6_33:

(50, 26244), (Start: 62 @26286 has 73 MA's), (Start: 72 @26322 has 3 MA's), (Start: 84 @26355 has 7 MA's), (133, 26565), (134, 26568), (140, 26598), (154, 26664), (158, 26688), (160, 26697), (168, 26730), (200, 26883), (206, 26922), (219, 26973), (222, 26985), (227, 27003), (229, 27015), (233, 27027), (237, 27042), (242, 27072), (243, 27075), (246, 27096), (264, 27168), (273, 27216), (301, 27327), (310, 27360), (324, 27399), (325, 27402), (338, 27474), (358, 27540), (362, 27552), (392, 27723), (395, 27735), (396, 27741), (402, 27774), (409, 27801), (414, 27828), (428, 27882), (459, 27999), (463, 28020), (467, 28047),

Gene: TyDawg_28 Start: 22368, Stop: 24104, Start Num: 67

Candidate Starts for TyDawg_28:

(34, 22146), (Start: 55 @22326 has 3 MA's), (Start: 58 @22341 has 2 MA's), (Start: 67 @22368 has 15 MA's), (75, 22383), (89, 22422), (95, 22452), (97, 22458), (100, 22470), (129, 22575), (131, 22590), (140, 22629), (166, 22752), (169, 22761), (184, 22857), (195, 22899), (196, 22902), (237, 23079), (259, 23190), (264, 23217), (278, 23289), (279, 23298), (280, 23301), (283, 23313), (314, 23433), (316, 23436), (328, 23478), (333, 23508), (335, 23514), (368, 23634), (370, 23640), (448, 23994), (454, 24021), (458, 24039), (460, 24048),

Gene: Tycho_34 Start: 29613, Stop: 31376, Start Num: 62

Candidate Starts for Tycho_34:

(Start: 62 @29613 has 73 MA's), (Start: 72 @29649 has 3 MA's), (109, 29778), (112, 29787), (117, 29811), (131, 29883), (134, 29892), (148, 29961), (158, 30012), (169, 30057), (173, 30072), (176, 30090), (185, 30153), (198, 30198), (200, 30207), (227, 30327), (230, 30342), (233, 30351), (237, 30366), (242, 30396), (292, 30618), (298, 30636), (301, 30651), (313, 30693), (315, 30696), (324, 30723), (349, 30843), (374, 30936), (392, 31047), (393, 31050), (402, 31098), (409, 31125), (414, 31152), (428, 31206), (439, 31233),

Gene: Typhonomachy_19 Start: 15732, Stop: 17429, Start Num: 83

Candidate Starts for Typhonomachy_19:

(Start: 79 @15729 has 8 MA's), (Start: 83 @15732 has 67 MA's), (133, 15942), (158, 16065), (171, 16116), (184, 16203), (186, 16212), (191, 16233), (196, 16248), (199, 16260), (215, 16338), (217, 16350), (225, 16377), (233, 16410), (239, 16443), (242, 16455), (250, 16497), (275, 16620), (294, 16692), (315, 16770), (320, 16785), (326, 16803), (336, 16860), (367, 16953), (373, 16989), (375, 17001), (376, 17007), (379, 17019), (380, 17028), (391, 17100), (392, 17103), (394, 17109), (396, 17121), (409, 17181), (418, 17226), (420, 17235), (431, 17268), (452, 17334),

Gene: Tyson_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for Tyson_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010), (139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: UPIE_18 Start: 16744, Stop: 18513, Start Num: 61

Candidate Starts for UPIE_18:

(Start: 47 @16681 has 1 MA's), (52, 16702), (53, 16717), (Start: 61 @16744 has 40 MA's), (91, 16837), (102, 16885), (103, 16891), (115, 16918), (116, 16921), (118, 16927), (131, 16999), (134, 17008), (139, 17032), (142, 17047), (146, 17077), (176, 17203), (177, 17212), (180, 17233), (182, 17248), (198, 17317), (205, 17353), (207, 17374), (226, 17443), (237, 17482), (264, 17620), (267, 17632), (282, 17707), (284, 17713), (287, 17731), (298, 17770), (306, 17803), (308, 17812), (311, 17821), (314, 17830), (316, 17833), (342, 17953), (354, 17989), (370, 18037), (372, 18049), (381, 18103), (398, 18199), (400, 18217), (401, 18223), (402, 18226), (411, 18259), (415, 18283), (433, 18346), (444, 18388), (454, 18427), (458, 18445), (462, 18466), (465, 18487),

Gene: Underpass_18 Start: 16994, Stop: 18727, Start Num: 74

Candidate Starts for Underpass_18:

(Start: 74 @16994 has 53 MA's), (95, 17063), (131, 17204), (132, 17207), (142, 17252), (147, 17285), (150, 17294), (157, 17330), (171, 17384), (176, 17411), (178, 17423), (184, 17474), (185, 17480), (194, 17513), (231, 17666), (237, 17690), (238, 17699), (246, 17744), (249, 17759), (264, 17837), (289, 17957), (306, 18020), (328, 18092), (335, 18128), (368, 18248), (370, 18254), (372, 18266), (382, 18329), (398, 18416), (402, 18443), (417, 18512), (422, 18527), (424, 18539), (433, 18563), (454, 18641),

Gene: Valary_34 Start: 26795, Stop: 28561, Start Num: 62

Candidate Starts for Valary_34:

(50, 26753), (Start: 62 @26795 has 73 MA's), (Start: 72 @26831 has 3 MA's), (Start: 84 @26864 has 7 MA's), (133, 27074), (134, 27077), (140, 27107), (154, 27173), (158, 27197), (160, 27206), (168, 27239), (200, 27392), (206, 27431), (219, 27482), (222, 27494), (227, 27512), (229, 27524), (233, 27536), (237, 27551), (242, 27581), (243, 27584), (246, 27605), (264, 27677), (292, 27803), (301, 27836), (310, 27869), (324, 27908), (325, 27911), (338, 27983), (358, 28049), (362, 28061), (392, 28232), (395, 28244), (396, 28250), (402, 28283), (409, 28310), (414, 28337), (428, 28391), (459, 28508), (463, 28529), (467, 28556),

Gene: VanDeWege_34 Start: 26622, Stop: 28388, Start Num: 62

Candidate Starts for VanDeWege_34:

(50, 26580), (Start: 62 @26622 has 73 MA's), (Start: 72 @26658 has 3 MA's), (Start: 84 @26691 has 7 MA's), (133, 26901), (134, 26904), (140, 26934), (158, 27024), (160, 27033), (168, 27066), (187, 27171), (200, 27219), (206, 27258), (219, 27309), (227, 27339), (229, 27351), (233, 27363), (237, 27378), (242, 27408), (243, 27411), (246, 27432), (264, 27504), (273, 27552), (301, 27663), (310, 27696), (325, 27738), (338, 27810), (358, 27876), (392, 28059), (393, 28062), (402, 28110), (409, 28137), (414, 28164), (428, 28218), (459, 28335), (463, 28356), (467, 28383),

Gene: VanLee_20 Start: 16446, Stop: 18107, Start Num: 86

Candidate Starts for VanLee_20:

(Start: 80 @16431 has 5 MA's), (Start: 86 @16446 has 11 MA's), (94, 16482), (107, 16533), (150, 16716), (158, 16761), (184, 16896), (215, 17031), (219, 17049), (244, 17157), (245, 17160), (266, 17244), (279, 17304), (306, 17409), (315, 17439), (333, 17514), (334, 17517), (359, 17604), (367, 17628), (373, 17664), (386, 17736), (392, 17778), (395, 17790), (405, 17844), (414, 17886), (428, 17940), (451, 18009), (461, 18063), (462, 18072), (467, 18102),

Gene: VasuNzinga_50 Start: 26580, Stop: 28292, Start Num: 74

Candidate Starts for VasuNzinga_50:

(56, 26517), (Start: 74 @26580 has 53 MA's), (98, 26661), (116, 26718), (132, 26799), (134, 26805), (145, 26862), (146, 26874), (150, 26886), (158, 26925), (162, 26940), (177, 27009), (184, 27063), (186, 27072), (222, 27228), (237, 27276), (238, 27285), (239, 27294), (247, 27333), (250, 27348), (264, 27411), (267, 27423), (292, 27540), (293, 27543), (306, 27594), (313, 27621), (316, 27624), (322, 27645), (331, 27687), (366, 27807), (370, 27825), (394, 27969), (402, 28014), (406, 28032), (426, 28116), (429, 28125), (438, 28143), (442, 28164), (454, 28209), (455, 28215), (458, 28227), (461, 28239), (463, 28251), (466, 28275), (468, 28281),

Gene: Vetric_18 Start: 16995, Stop: 18728, Start Num: 74

Candidate Starts for Vetric_18:

(Start: 74 @16995 has 53 MA's), (95, 17064), (131, 17205), (132, 17208), (142, 17253), (147, 17286), (150, 17295), (157, 17331), (171, 17385), (176, 17412), (178, 17424), (184, 17475), (185, 17481), (194, 17514), (231, 17667), (237, 17691), (238, 17700), (246, 17745), (249, 17760), (264, 17838), (289, 17958), (306, 18021), (328, 18093), (335, 18129), (368, 18249), (370, 18255), (372, 18267), (382, 18330), (390, 18381), (398, 18417), (402, 18444), (417, 18513), (422, 18528), (424, 18540), (433, 18564), (454, 18642),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 83

Candidate Starts for Vine_19:

(Start: 79 @16427 has 8 MA's), (Start: 83 @16430 has 67 MA's), (110, 16529), (120, 16571), (171, 16811), (184, 16898), (189, 16919), (191, 16928), (199, 16955), (206, 17000), (215, 17033), (218, 17048), (225, 17072), (233, 17105), (239, 17138), (242, 17150), (252, 17207), (263, 17255), (268, 17285), (275, 17315), (280, 17330), (291, 17378), (304, 17429), (315, 17465), (320, 17480), (326, 17498), (336, 17555), (338, 17564), (373, 17684), (375, 17696), (383, 17744), (391, 17795), (392, 17798), (396, 17816), (413, 17894), (418, 17921), (431, 17963), (465, 18110), (466, 18116),

Gene: Vivi2_37 Start: 31487, Stop: 33250, Start Num: 62

Candidate Starts for Vivi2_37:

(57, 31469), (Start: 62 @31487 has 73 MA's), (Start: 72 @31523 has 3 MA's), (112, 31661), (131, 31757), (134, 31766), (148, 31835), (158, 31886), (169, 31931), (173, 31946), (185, 32027), (198, 32072), (200, 32081), (219, 32171), (227, 32201), (230, 32216), (237, 32240), (242, 32270), (266, 32375), (292, 32492), (298, 32510), (301, 32525), (309, 32555), (313, 32567), (315, 32570), (324, 32597), (391, 32918), (392, 32921), (393, 32924), (402, 32972), (409, 32999), (414, 33026), (428, 33080), (437, 33104), (439, 33107), (459, 33197), (467, 33245),

Gene: Volt_55 Start: 28894, Stop: 30579, Start Num: 77

Candidate Starts for Volt_55:

(38, 28702), (39, 28711), (40, 28717), (54, 28819), (63, 28849), (Start: 77 @28894 has 6 MA's), (118, 29035), (151, 29194), (163, 29248), (192, 29404), (215, 29503), (227, 29551), (239, 29608), (243, 29623), (263, 29713), (295, 29851), (313, 29914), (336, 30010), (347, 30061), (349, 30064), (354, 30076), (375, 30151), (378, 30166), (391, 30250), (409, 30331), (440, 30442), (463, 30547), (465, 30565),

Gene: Wamburgxpress_18 Start: 16759, Stop: 18528, Start Num: 61

Candidate Starts for Wamburgxpress_18:

(Start: 47 @16696 has 1 MA's), (52, 16717), (53, 16732), (Start: 61 @16759 has 40 MA's), (91, 16852), (102, 16900), (103, 16906), (115, 16933), (116, 16936), (118, 16942), (131, 17014), (134, 17023), (139, 17047), (142, 17062), (146, 17092), (176, 17218), (177, 17227), (180, 17248), (182, 17263), (198, 17332), (205, 17368), (207, 17389), (226, 17458), (237, 17497), (264, 17635), (267, 17647), (282, 17722), (284, 17728), (287, 17746), (298, 17785), (306, 17818), (308, 17827), (311, 17836), (314, 17845), (342, 17968), (354, 18004), (370, 18052), (372, 18064), (381, 18118), (398, 18214), (400, 18232), (401, 18238), (402, 18241), (411, 18274), (415, 18298), (433, 18361), (444, 18403), (454, 18442), (458, 18460), (462, 18481), (465, 18502),

Gene: Whirlwind_20 Start: 17130, Stop: 18893, Start Num: 61

Candidate Starts for Whirlwind_20:

(Start: 61 @17130 has 40 MA's), (70, 17157), (91, 17220), (103, 17274), (118, 17310), (132, 17385), (139, 17415), (142, 17430), (150, 17472), (176, 17586), (178, 17598), (200, 17709), (235, 17853), (237, 17865), (282, 18087), (284, 18093), (298, 18150), (308, 18192), (311, 18201), (316, 18213), (334, 18288), (347, 18354), (354, 18369), (370, 18417), (381, 18483), (394, 18561), (402, 18606), (415, 18663), (433, 18726), (441, 18762), (448, 18777), (454, 18807), (455, 18813), (458, 18825), (460, 18834), (462, 18846),

Gene: Whitney_21 Start: 17225, Stop: 18922, Start Num: 83

Candidate Starts for Whitney_21:

(Start: 67 @17186 has 15 MA's), (Start: 83 @17225 has 67 MA's), (Start: 87 @17237 has 1 MA's), (88, 17240), (96, 17276), (105, 17315), (112, 17336), (122, 17378), (125, 17384), (126, 17387), (128, 17399), (132, 17435), (140, 17471), (153, 17528), (163, 17576), (168, 17603), (185, 17705), (196, 17744), (206, 17801), (209, 17819), (213, 17828), (215, 17834), (227, 17882), (236, 17912), (241, 17948), (243, 17954), (246, 17975), (247, 17978), (258, 18029), (264, 18056), (265, 18059), (269, 18086), (275, 18113), (294, 18185), (303, 18224), (325, 18278), (338, 18350), (350, 18395), (368, 18458), (373, 18485), (374, 18488), (376, 18503), (390, 18587), (391, 18596), (392, 18599), (394, 18605), (396, 18617), (397, 18620), (402, 18650), (404, 18656), (409, 18677), (410, 18680), (421, 18734), (431, 18764), (434, 18773), (450, 18824), (456, 18857), (459, 18869), (462, 18887),

Gene: Whitty_19 Start: 16980, Stop: 18686, Start Num: 74

Candidate Starts for Whitty_19:

(45, 16872), (49, 16884), (Start: 74 @16980 has 53 MA's), (95, 17046), (120, 17121), (122, 17127), (138, 17211), (147, 17265), (157, 17310), (158, 17313), (174, 17379), (237, 17664), (282, 17886), (331, 18075), (370, 18213), (372, 18225), (402, 18402), (411, 18438), (454, 18603), (460, 18630), (466, 18669), (468, 18675),

Gene: Wigglewigggle_18 Start: 17021, Stop: 18754, Start Num: 74

Candidate Starts for Wigglewigggle_18:

(Start: 74 @17021 has 53 MA's), (95, 17090), (131, 17231), (132, 17234), (142, 17279), (147, 17312), (150, 17321), (157, 17357), (171, 17411), (176, 17438), (178, 17450), (184, 17501), (185, 17507), (194, 17540), (231, 17693), (237, 17717), (238, 17726), (246, 17771), (249, 17786), (264, 17864), (289, 17984), (306, 18047), (328, 18119), (335, 18155), (368, 18275), (370, 18281), (372, 18293), (382, 18356), (398, 18443), (402, 18470), (417, 18539), (422, 18554), (424, 18566), (433, 18590),

(454, 18668),

Gene: Wildcat_40 Start: 25260, Stop: 27644, Start Num: 2

Candidate Starts for Wildcat_40:

(Start: 2 @25260 has 5 MA's), (7, 25377), (9, 25398), (10, 25401), (12, 25431), (13, 25437), (15, 25446), (23, 25536), (26, 25572), (29, 25590), (30, 25617), (31, 25629), (33, 25638), (37, 25701), (41, 25737), (43, 25773), (44, 25776), (46, 25782), (63, 25854), (73, 25884), (94, 25953), (95, 25956), (115, 26043), (120, 26061), (121, 26064), (131, 26124), (140, 26163), (147, 26205), (150, 26214), (151, 26220), (155, 26235), (157, 26250), (169, 26298), (184, 26394), (195, 26436), (196, 26439), (237, 26616), (239, 26634), (243, 26649), (244, 26664), (249, 26685), (255, 26718), (259, 26727), (263, 26757), (271, 26796), (279, 26838), (282, 26850), (283, 26853), (298, 26913), (314, 26973), (328, 27018), (335, 27054), (349, 27120), (368, 27174), (370, 27180), (381, 27246), (413, 27417), (419, 27441), (454, 27561), (459, 27582), (461, 27591), (466, 27627),

Gene: Wilder_18 Start: 16994, Stop: 18727, Start Num: 74

Candidate Starts for Wilder_18:

(Start: 74 @16994 has 53 MA's), (95, 17063), (131, 17204), (132, 17207), (142, 17252), (147, 17285), (150, 17294), (157, 17330), (171, 17384), (176, 17411), (178, 17423), (184, 17474), (185, 17480), (194, 17513), (231, 17666), (237, 17690), (238, 17699), (246, 17744), (249, 17759), (264, 17837), (289, 17957), (306, 18020), (328, 18092), (335, 18128), (368, 18248), (370, 18254), (372, 18266), (382, 18329), (398, 18416), (402, 18443), (417, 18512), (422, 18527), (424, 18539), (433, 18563), (454, 18641),

Gene: Winky_18 Start: 16989, Stop: 18722, Start Num: 74

Candidate Starts for Winky_18:

(Start: 74 @16989 has 53 MA's), (95, 17058), (131, 17199), (132, 17202), (142, 17247), (147, 17280), (150, 17289), (157, 17325), (171, 17379), (176, 17406), (178, 17418), (184, 17469), (185, 17475), (194, 17508), (231, 17661), (237, 17685), (238, 17694), (246, 17739), (249, 17754), (264, 17832), (289, 17952), (306, 18015), (328, 18087), (335, 18123), (368, 18243), (370, 18249), (372, 18261), (382, 18324), (398, 18411), (402, 18438), (417, 18507), (422, 18522), (424, 18534), (433, 18558), (454, 18636),

Gene: Wizard_31 Start: 25993, Stop: 27759, Start Num: 62

Candidate Starts for Wizard_31:

(50, 25951), (Start: 62 @25993 has 73 MA's), (Start: 72 @26029 has 3 MA's), (Start: 84 @26062 has 7 MA's), (133, 26272), (134, 26275), (140, 26305), (154, 26371), (158, 26395), (160, 26404), (168, 26437), (200, 26590), (206, 26629), (219, 26680), (222, 26692), (227, 26710), (229, 26722), (233, 26734), (237, 26749), (242, 26779), (243, 26782), (246, 26803), (264, 26875), (273, 26923), (301, 27034), (310, 27067), (324, 27106), (325, 27109), (338, 27181), (358, 27247), (362, 27259), (392, 27430), (393, 27433), (402, 27481), (409, 27508), (414, 27535), (428, 27589), (459, 27706), (463, 27727), (467, 27754),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 76

Candidate Starts for Wrigley_20:

(Start: 67 @17403 has 15 MA's), (Start: 76 @17427 has 17 MA's), (112, 17532), (123, 17574), (137, 17649), (158, 17763), (184, 17910), (185, 17916), (232, 18099), (245, 18174), (313, 18456), (321, 18477), (336, 18552), (364, 18639), (370, 18675), (375, 18708), (376, 18714), (387, 18780), (392, 18810), (428, 18966), (431, 18972), (437, 18990), (463, 19101),

Gene: Wyatt2_18 Start: 16746, Stop: 18515, Start Num: 61

Candidate Starts for Wyatt2_18:

(Start: 47 @16683 has 1 MA's), (52, 16704), (53, 16719), (Start: 61 @16746 has 40 MA's), (91, 16839), (102, 16887), (103, 16893), (115, 16920), (116, 16923), (118, 16929), (131, 17001), (134, 17010),

(139, 17034), (142, 17049), (146, 17079), (176, 17205), (177, 17214), (180, 17235), (182, 17250), (198, 17319), (205, 17355), (207, 17376), (226, 17445), (237, 17484), (264, 17622), (267, 17634), (282, 17709), (284, 17715), (287, 17733), (298, 17772), (306, 17805), (308, 17814), (311, 17823), (314, 17832), (316, 17835), (342, 17955), (354, 17991), (370, 18039), (372, 18051), (381, 18105), (398, 18201), (400, 18219), (401, 18225), (402, 18228), (411, 18261), (415, 18285), (433, 18348), (444, 18390), (454, 18429), (458, 18447), (462, 18468), (465, 18489),

Gene: Yakult_19 Start: 15320, Stop: 17008, Start Num: 83

Candidate Starts for Yakult_19:

(Start: 67 @15290 has 15 MA's), (Start: 79 @15317 has 8 MA's), (Start: 83 @15320 has 67 MA's), (105, 15404), (133, 15527), (140, 15560), (156, 15638), (179, 15743), (181, 15761), (184, 15788), (191, 15818), (199, 15845), (206, 15890), (215, 15920), (217, 15932), (219, 15938), (220, 15941), (225, 15959), (239, 16025), (254, 16106), (263, 16142), (265, 16148), (267, 16157), (269, 16175), (281, 16220), (302, 16304), (312, 16340), (313, 16343), (315, 16346), (320, 16361), (324, 16370), (326, 16379), (336, 16436), (373, 16565), (375, 16577), (378, 16592), (380, 16604), (391, 16676), (392, 16679), (393, 16682), (399, 16715), (405, 16745), (413, 16778), (420, 16814), (421, 16817), (431, 16847), (434, 16856), (462, 16973), (466, 17000),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 83

Candidate Starts for Yarn_17:

(Start: 79 @15388 has 8 MA's), (Start: 83 @15391 has 67 MA's), (110, 15493), (113, 15505), (133, 15601), (151, 15685), (171, 15775), (181, 15835), (184, 15862), (191, 15892), (192, 15895), (206, 15964), (215, 15997), (217, 16009), (218, 16012), (224, 16033), (225, 16036), (239, 16102), (242, 16114), (275, 16279), (315, 16429), (320, 16444), (326, 16462), (336, 16519), (375, 16660), (376, 16666), (379, 16678), (380, 16687), (391, 16759), (392, 16762), (394, 16768), (396, 16780), (418, 16885), (420, 16894), (431, 16927),

Gene: YorkOnyx_35 Start: 29872, Stop: 31635, Start Num: 62

Candidate Starts for YorkOnyx_35:

(Start: 62 @29872 has 73 MA's), (Start: 72 @29908 has 3 MA's), (109, 30037), (112, 30046), (117, 30070), (131, 30142), (134, 30151), (148, 30220), (158, 30271), (160, 30280), (169, 30316), (173, 30331), (176, 30349), (185, 30412), (198, 30457), (200, 30466), (227, 30586), (230, 30601), (233, 30610), (237, 30625), (242, 30655), (292, 30877), (298, 30895), (301, 30910), (313, 30952), (315, 30955), (324, 30982), (349, 31102), (374, 31195), (392, 31306), (393, 31309), (402, 31357), (409, 31384), (414, 31411), (428, 31465),

Gene: Yoshi_19 Start: 13743, Stop: 15407, Start Num: 84

Candidate Starts for Yoshi_19:

(Start: 84 @13743 has 7 MA's), (104, 13824), (113, 13854), (118, 13875), (121, 13887), (134, 13953), (142, 13992), (143, 14004), (150, 14028), (161, 14085), (163, 14088), (167, 14112), (169, 14118), (170, 14121), (179, 14166), (181, 14184), (186, 14220), (209, 14331), (220, 14367), (227, 14394), (229, 14406), (230, 14409), (239, 14451), (242, 14463), (246, 14487), (261, 14541), (282, 14640), (307, 14733), (315, 14760), (319, 14772), (333, 14817), (336, 14838), (338, 14847), (392, 15081), (393, 15084), (394, 15087), (418, 15204), (431, 15246), (453, 15330), (465, 15393),

Gene: Yucky_20 Start: 16287, Stop: 17984, Start Num: 79

Candidate Starts for Yucky_20:

(Start: 79 @16287 has 8 MA's), (Start: 83 @16290 has 67 MA's), (110, 16389), (120, 16431), (171, 16671), (184, 16758), (189, 16779), (191, 16788), (199, 16815), (206, 16860), (215, 16893), (218, 16908), (225, 16932), (233, 16965), (239, 16998), (242, 17010), (252, 17067), (260, 17097), (263, 17115), (268, 17145), (275, 17175), (291, 17238), (304, 17289), (315, 17325), (320, 17340), (326, 17358), (336, 17415), (338, 17424), (373, 17544), (375, 17556), (383, 17604), (391, 17655), (392, 17658), (396, 17676), (413, 17754), (418, 17781), (431, 17823), (465, 17970), (466, 17976),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 83

Candidate Starts for Yummy_19:

(Start: 67 @15246 has 15 MA's), (Start: 79 @15273 has 8 MA's), (Start: 83 @15276 has 67 MA's), (133, 15486), (169, 15654), (171, 15660), (189, 15768), (199, 15804), (205, 15834), (206, 15849), (215, 15882), (217, 15894), (227, 15930), (239, 15987), (242, 15999), (267, 16119), (270, 16140), (275, 16164), (315, 16314), (320, 16329), (326, 16347), (336, 16404), (373, 16533), (375, 16545), (379, 16563), (380, 16572), (391, 16644), (392, 16647), (394, 16653), (396, 16665), (418, 16770), (420, 16779), (431, 16812), (462, 16938),

Gene: YungMoney_33 Start: 27341, Stop: 29107, Start Num: 62

Candidate Starts for YungMoney_33:

(50, 27299), (57, 27329), (Start: 62 @27341 has 73 MA's), (Start: 72 @27377 has 3 MA's), (Start: 84 @27410 has 7 MA's), (125, 27566), (126, 27569), (133, 27620), (134, 27623), (140, 27653), (148, 27692), (158, 27743), (160, 27752), (168, 27785), (200, 27938), (206, 27977), (219, 28028), (222, 28040), (227, 28058), (229, 28070), (233, 28082), (237, 28097), (242, 28127), (243, 28130), (246, 28151), (273, 28271), (301, 28382), (310, 28415), (325, 28457), (338, 28529), (358, 28595), (392, 28778), (393, 28781), (402, 28829), (409, 28856), (414, 28883), (428, 28937), (459, 29054), (463, 29075), (467, 29102),

Gene: ZAYM_19 Start: 16938, Stop: 18701, Start Num: 67

Candidate Starts for ZAYM_19:

(28, 16659), (46, 16854), (Start: 67 @16938 has 15 MA's), (Start: 72 @16950 has 3 MA's), (Start: 80 @16971 has 5 MA's), (138, 17208), (143, 17241), (185, 17454), (203, 17526), (209, 17568), (220, 17607), (227, 17634), (233, 17658), (241, 17700), (246, 17727), (247, 17730), (259, 17784), (261, 17790), (279, 17877), (355, 18168), (356, 18171), (373, 18261), (376, 18279), (392, 18375), (396, 18393), (421, 18510), (434, 18549), (436, 18552), (440, 18564), (457, 18639), (462, 18666),

Gene: Zakai_18 Start: 16983, Stop: 18716, Start Num: 74

Candidate Starts for Zakai_18:

(Start: 74 @16983 has 53 MA's), (95, 17052), (131, 17193), (132, 17196), (142, 17241), (147, 17274), (150, 17283), (157, 17319), (171, 17373), (176, 17400), (178, 17412), (184, 17463), (185, 17469), (194, 17502), (231, 17655), (237, 17679), (238, 17688), (246, 17733), (249, 17748), (264, 17826), (289, 17946), (306, 18009), (328, 18081), (335, 18117), (368, 18237), (370, 18243), (372, 18255), (382, 18318), (390, 18369), (398, 18405), (402, 18432), (417, 18501), (422, 18516), (424, 18528), (433, 18552), (454, 18630),

Gene: Zapner_20 Start: 14268, Stop: 15932, Start Num: 84

Candidate Starts for Zapner_20:

(Start: 84 @14268 has 7 MA's), (104, 14349), (113, 14379), (118, 14400), (121, 14412), (134, 14478), (142, 14517), (143, 14529), (150, 14553), (161, 14610), (163, 14613), (167, 14637), (169, 14643), (170, 14646), (179, 14691), (181, 14709), (186, 14745), (209, 14856), (220, 14892), (227, 14919), (229, 14931), (230, 14934), (239, 14976), (242, 14988), (246, 15012), (261, 15066), (282, 15165), (307, 15258), (315, 15285), (319, 15297), (335, 15348), (336, 15363), (349, 15417), (363, 15444), (392, 15606), (393, 15609), (394, 15612), (418, 15729), (431, 15771), (453, 15855), (463, 15900), (465, 15918),

Gene: Zareef_22 Start: 16723, Stop: 18405, Start Num: 87

Candidate Starts for Zareef_22:

(27, 16387), (Start: 83 @16711 has 67 MA's), (Start: 87 @16723 has 1 MA's), (143, 16975), (149, 16996), (150, 16999), (158, 17044), (163, 17059), (179, 17137), (184, 17182), (206, 17284), (215, 17317), (217, 17329), (218, 17332), (233, 17389), (239, 17422), (243, 17437), (254, 17503), (265, 17545), (267, 17554), (275, 17599), (291, 17662), (313, 17743), (320, 17761), (324, 17770), (326,

17779), (336, 17836), (338, 17845), (375, 17977), (380, 18004), (383, 18025), (391, 18076), (392, 18079), (413, 18175), (418, 18202), (420, 18211), (421, 18214), (431, 18244), (437, 18262), (451, 18307), (466, 18397),

Gene: Zaria_18 Start: 16760, Stop: 18529, Start Num: 61

Candidate Starts for Zaria_18:

(Start: 47 @16697 has 1 MA's), (52, 16718), (53, 16733), (Start: 61 @16760 has 40 MA's), (91, 16853), (102, 16901), (103, 16907), (115, 16934), (116, 16937), (118, 16943), (131, 17015), (134, 17024), (139, 17048), (142, 17063), (146, 17093), (176, 17219), (177, 17228), (180, 17249), (182, 17264), (198, 17333), (205, 17369), (207, 17390), (226, 17459), (237, 17498), (264, 17636), (267, 17648), (282, 17723), (284, 17729), (287, 17747), (298, 17786), (306, 17819), (308, 17828), (311, 17837), (314, 17846), (342, 17969), (354, 18005), (370, 18053), (372, 18065), (381, 18119), (398, 18215), (400, 18233), (401, 18239), (402, 18242), (411, 18275), (415, 18299), (433, 18362), (444, 18404), (454, 18443), (458, 18461), (462, 18482), (465, 18503),

Gene: ZenTime222_19 Start: 16980, Stop: 18686, Start Num: 74

Candidate Starts for ZenTime222_19:

(45, 16872), (49, 16884), (Start: 74 @16980 has 53 MA's), (95, 17046), (120, 17121), (122, 17127), (138, 17211), (147, 17265), (157, 17310), (158, 17313), (174, 17379), (237, 17664), (282, 17886), (331, 18075), (370, 18213), (372, 18225), (402, 18402), (411, 18438), (454, 18603), (460, 18630), (466, 18669), (468, 18675),

Gene: ZhongYanYuan_17 Start: 16814, Stop: 18547, Start Num: 74

Candidate Starts for ZhongYanYuan_17:

(Start: 74 @16814 has 53 MA's), (95, 16883), (131, 17024), (132, 17027), (139, 17057), (142, 17072), (147, 17105), (157, 17150), (171, 17204), (176, 17231), (178, 17243), (184, 17294), (185, 17300), (194, 17333), (231, 17486), (237, 17510), (238, 17519), (246, 17564), (256, 17615), (277, 17720), (289, 17777), (306, 17840), (328, 17912), (335, 17948), (365, 18047), (368, 18068), (370, 18074), (372, 18086), (382, 18149), (398, 18236), (402, 18263), (411, 18296), (422, 18347), (424, 18359), (433, 18383), (454, 18461), (458, 18479),

Gene: Ziko_56 Start: 28834, Stop: 30519, Start Num: 77

Candidate Starts for Ziko_56:

(38, 28642), (39, 28651), (40, 28657), (54, 28759), (63, 28789), (Start: 77 @28834 has 6 MA's), (118, 28975), (151, 29134), (163, 29188), (192, 29344), (215, 29443), (227, 29491), (239, 29548), (243, 29563), (263, 29653), (295, 29791), (313, 29854), (336, 29950), (347, 30001), (349, 30004), (354, 30016), (375, 30091), (378, 30106), (391, 30190), (409, 30271), (440, 30382), (463, 30487), (465, 30505),