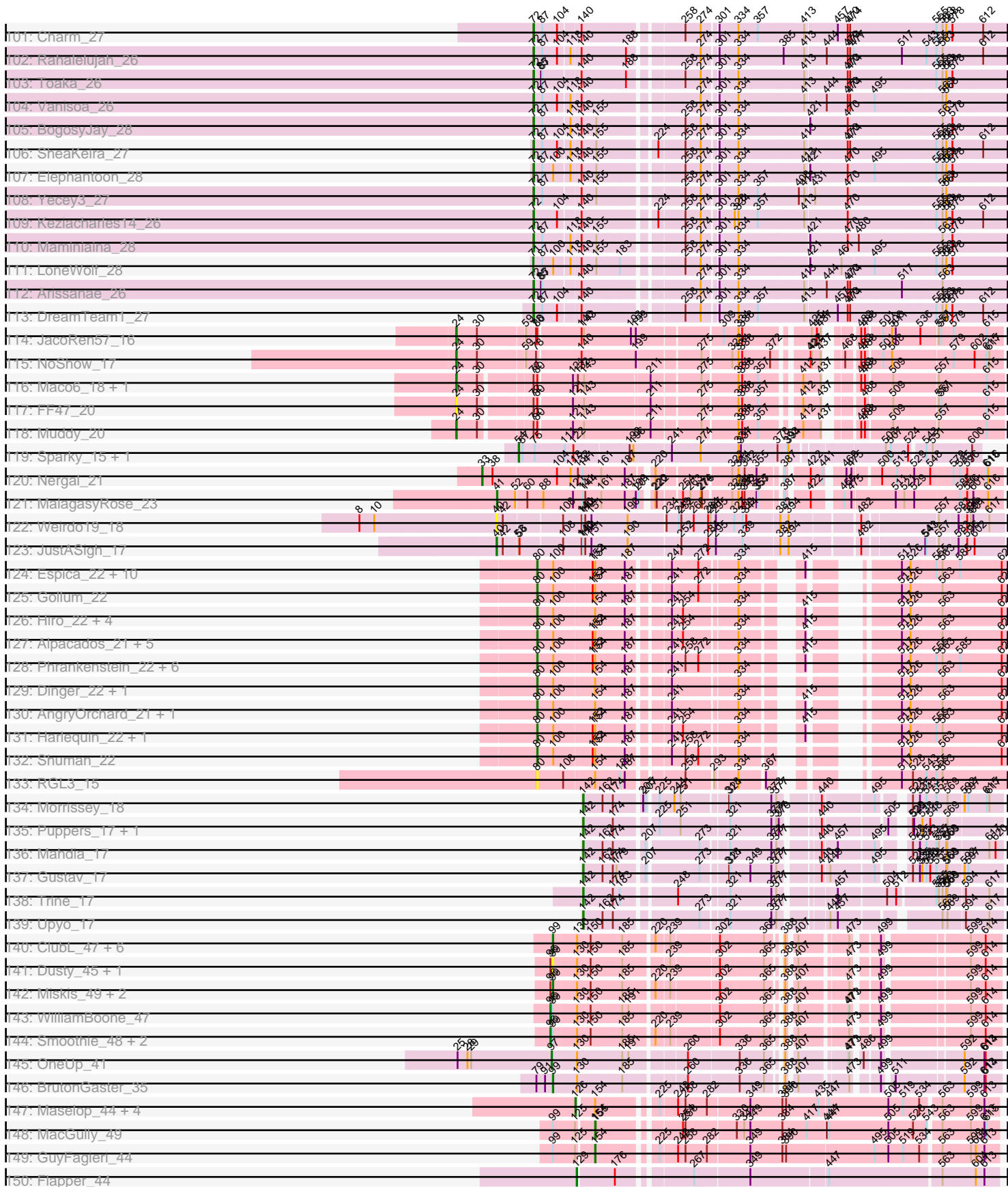


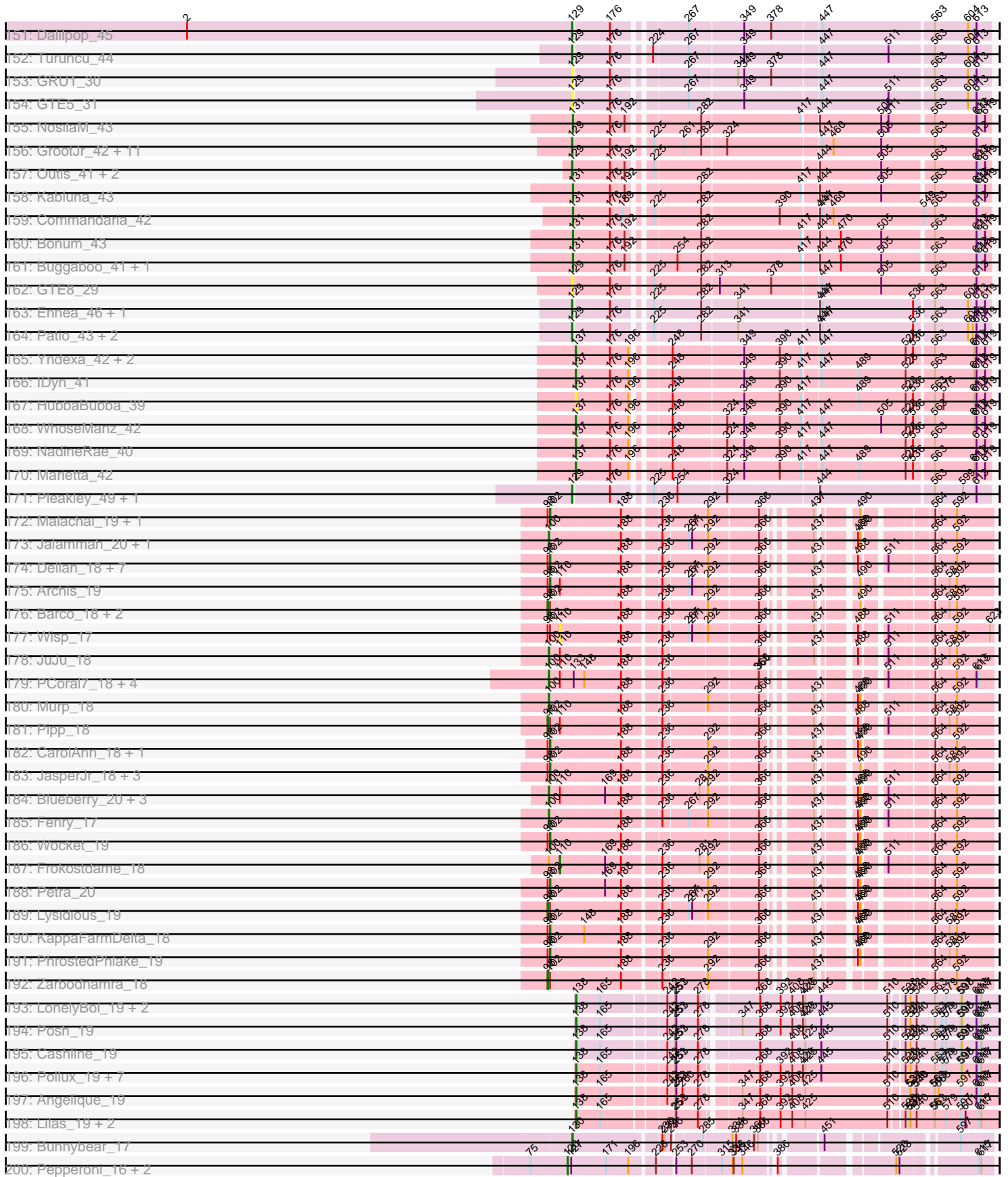
Pham 196153

1: Chargerpower_27	787	104	140	155	174	224	258	301	354	408	454	501	553	612
2: Gilberta_27 + 24	787	104	140	155	174	224	258	301	354	408	454	501	553	612
3: Zimmer_29	787	104	140	155	174	224	258	301	354	408	454	501	553	612
4: Refuge_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
5: Pharaoh_27	787	104	140	155	174	224	258	301	354	408	454	501	553	612
6: DarthPhader_28	787	104	140	155	174	224	258	301	354	408	454	501	553	612
7: Steamy_28	787	104	140	155	174	224	258	301	354	408	454	501	553	612
8: Phiel_22	787	104	140	155	174	224	258	301	354	408	454	501	553	612
9: Gail_26	787	104	140	155	174	224	258	301	354	408	454	501	553	612
10: Jeeves_26	787	104	140	155	174	224	258	301	354	408	454	501	553	612
11: SorotFago_26	787	104	140	155	174	224	258	301	354	408	454	501	553	612
12: Luchador_28	787	104	140	155	174	224	258	301	354	408	454	501	553	612
13: Sunhee_26	787	104	140	155	174	224	258	301	354	408	454	501	553	612
14: Anon_27	787	104	140	155	174	224	258	301	354	408	454	501	553	612
15: Boonoo_29 + 19	787	104	140	155	174	224	258	301	354	408	454	501	553	612
16: Nedarya_28	787	104	140	155	174	224	258	301	354	408	454	501	553	612
17: EagleEye_29 + 2	787	104	140	155	174	224	258	301	354	408	454	501	553	612
18: 40AC_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
19: Landor_28 + 3	787	104	140	155	174	224	258	301	354	408	454	501	553	612
20: SemperFI_29 + 10	787	104	140	155	174	224	258	301	354	408	454	501	553	612
21: Trooper_27	787	104	140	155	174	224	258	301	354	408	454	501	553	612
22: TipsytheTRex_26	787	104	140	155	174	224	258	301	354	408	454	501	553	612
23: Benvolio_27 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612
24: Bradman_26 + 2	787	104	140	155	174	224	258	301	354	408	454	501	553	612
25: RedRock_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
26: Herbertwm_24	787	104	140	155	174	224	258	301	354	408	454	501	553	612
27: Odin_26	787	104	140	155	174	224	258	301	354	408	454	501	553	612
28: JoshKayV_29 + 13	787	104	140	155	174	224	258	301	354	408	454	501	553	612
29: Naji_30 + 5	787	104	140	155	174	224	258	301	354	408	454	501	553	612
30: Piro94_28 + 9	787	104	140	155	174	224	258	301	354	408	454	501	553	612
31: Larenn_28 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612
32: Journey13_25	787	104	140	155	174	224	258	301	354	408	454	501	553	612
33: Adzzy_28 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612
34: IronMan_29	787	104	140	155	174	224	258	301	354	408	454	501	553	612
35: WeiHuaDA_33	787	104	140	155	174	224	258	301	354	408	454	501	553	612
36: Retro23_27 + 2	787	104	140	155	174	224	258	301	354	408	454	501	553	612
37: L5_27 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612
38: MissWhite_27	787	104	140	155	174	224	258	301	354	408	454	501	553	612
39: Kerberos_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
40: BobSwaget_30 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612
41: NothingSpecial_29	787	104	140	155	174	224	258	301	354	408	454	501	553	612
42: AIN8_30 + 4	787	104	140	155	174	224	258	301	354	408	454	501	553	612
43: StarStuff_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
44: AnnaL29_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
45: Loser_30	787	104	140	155	174	224	258	301	354	408	454	501	553	612
46: Hellalump_29	787	104	140	155	174	224	258	301	354	408	454	501	553	612
47: AIN3_27	787	104	140	155	174	224	258	301	354	408	454	501	553	612
48: Iwokeupiikedis_28	787	104	140	155	174	224	258	301	354	408	454	501	553	612
49: Superchunk_26 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612
50: DBQu4n_30 + 1	787	104	140	155	174	224	258	301	354	408	454	501	553	612

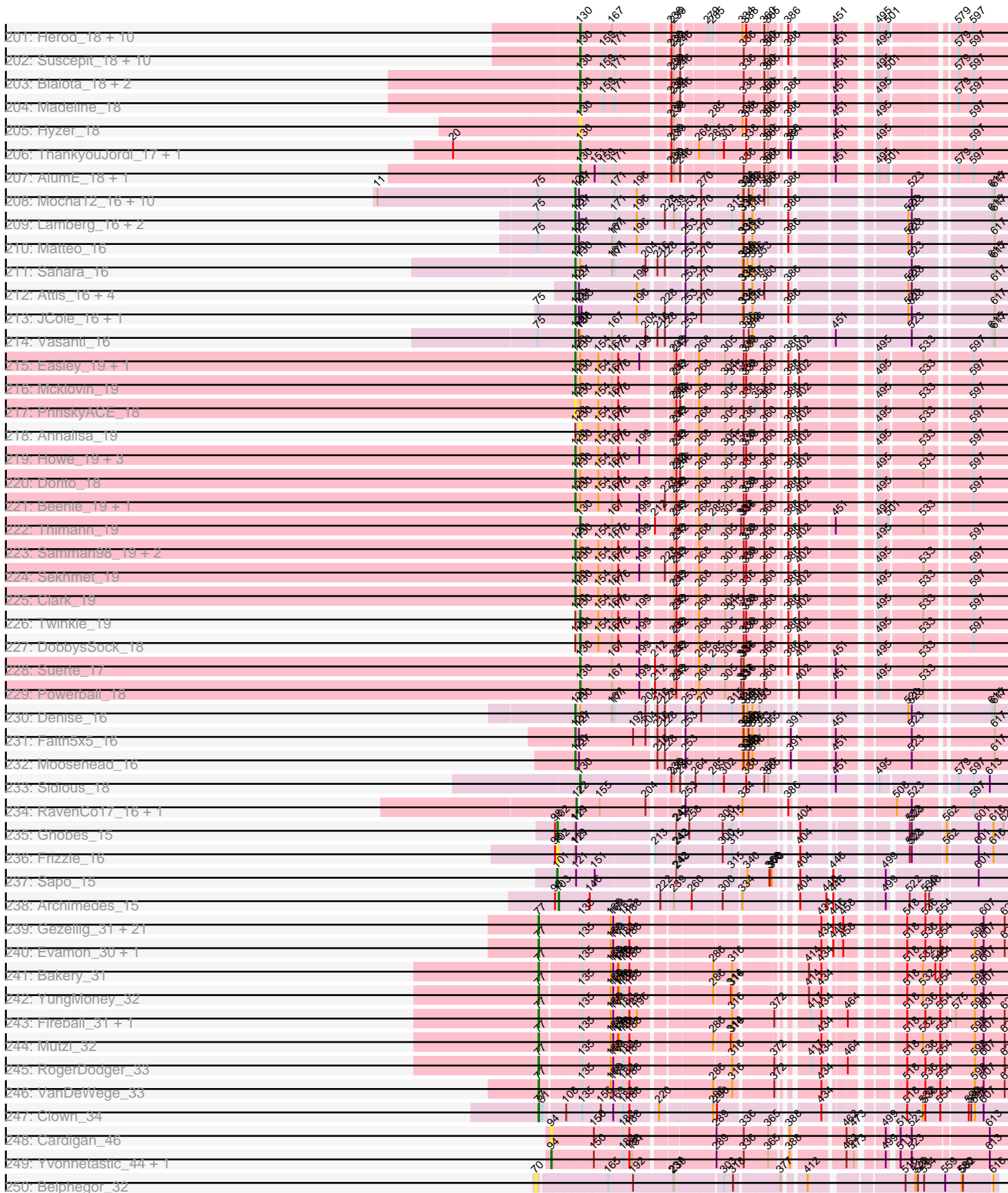
Pham 196153



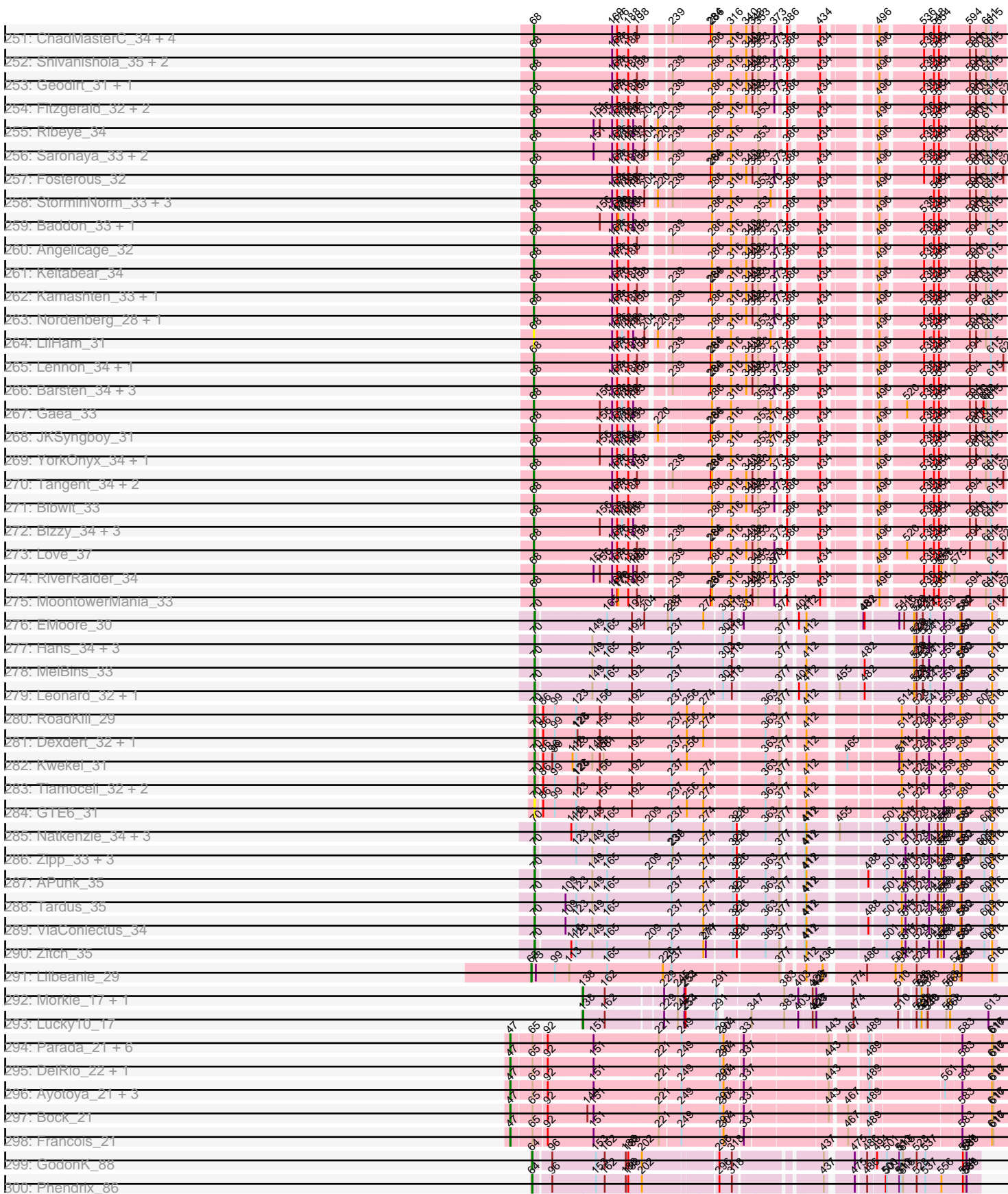
Pham 196153



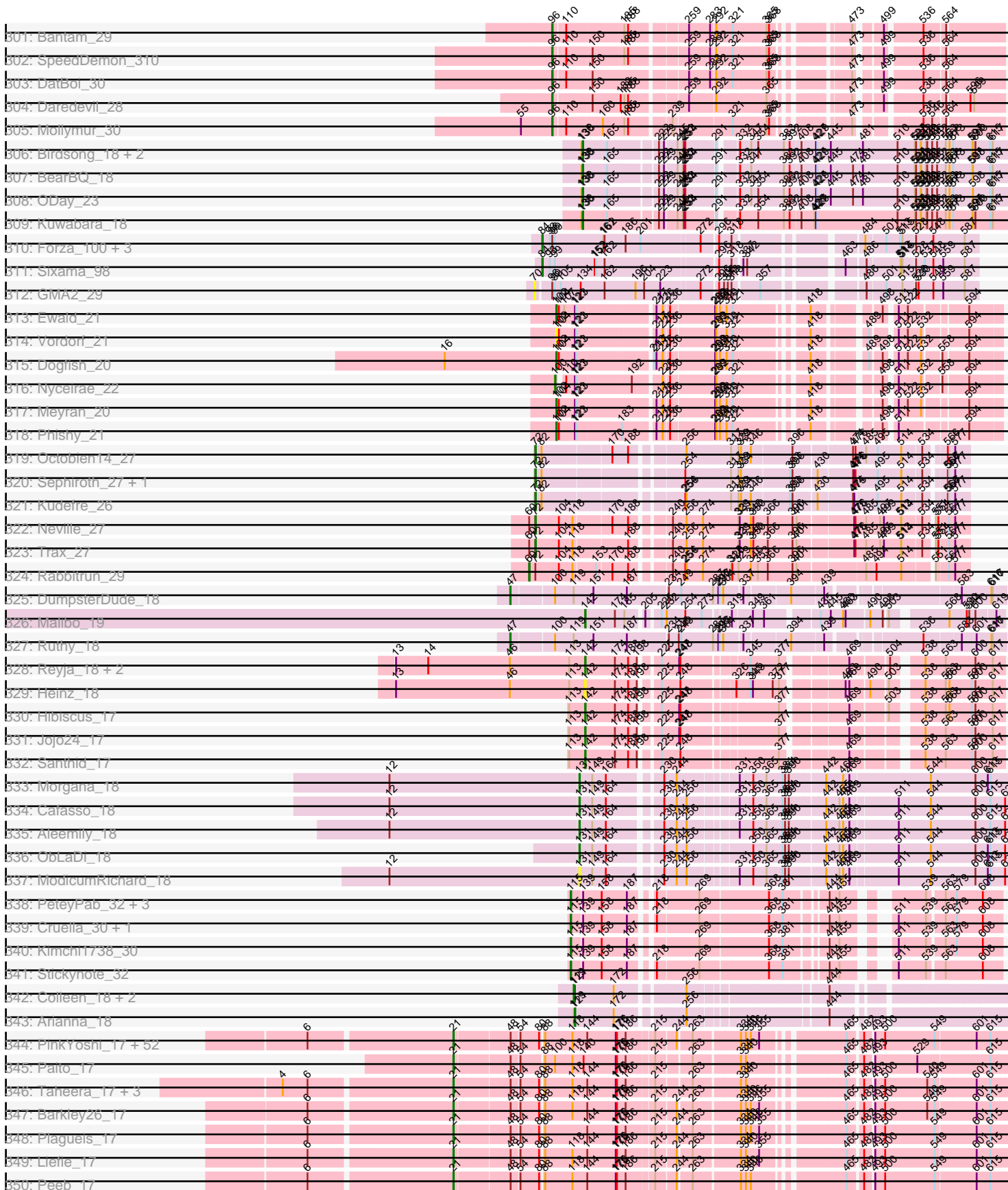
Pham 196153



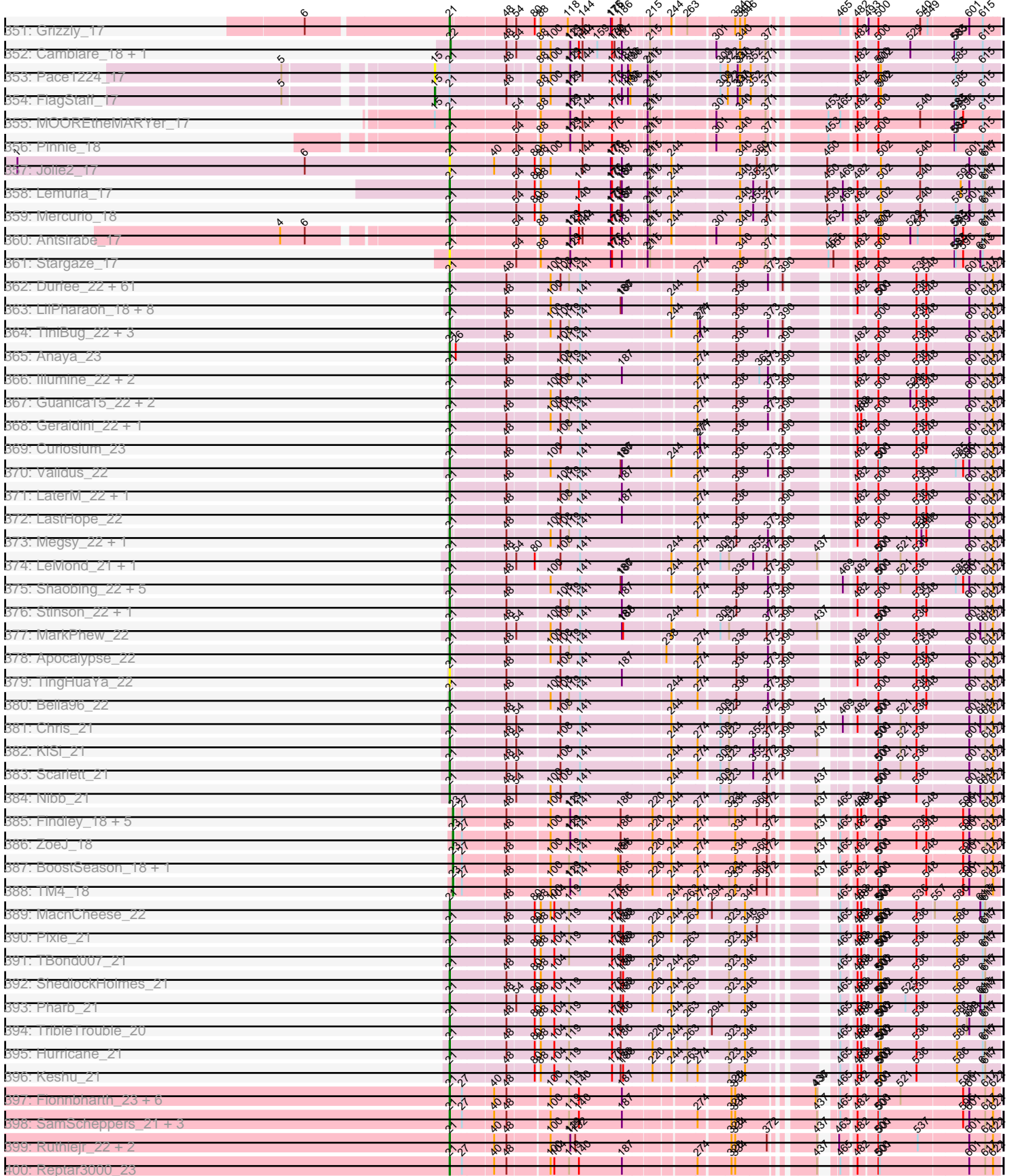
Pham 196153



Pham 196153



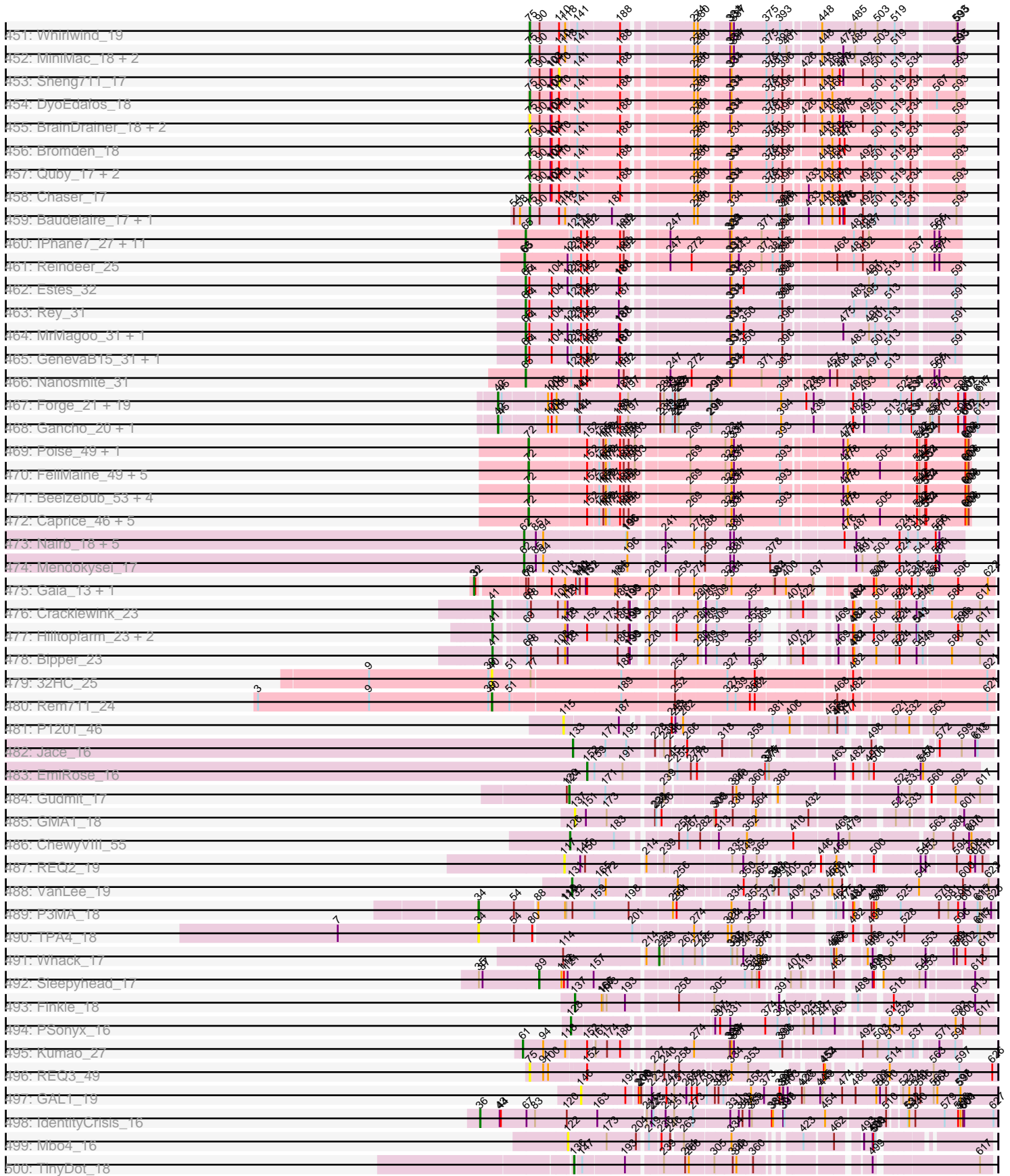
Pham 196153



Pham 196153

#01: MissDaisy_23 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#02: Starp_23 + 2	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#03: Omnicron_20	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#04: InvictusVlaneo_20 + 2	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#05: AileyCat_20 + 3	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#06: Hentyboy_20 + 2	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#07: Miryou_20 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#08: Gullsminger_20 + 2	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#09: Waterfoul_20 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#10: Rando14_20	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#11: OkieRoe_20	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#12: Kratio_19	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#13: Dadosky_20	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#14: Phrank_21 + 3	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#15: Shadow1_20 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#16: Ekdlam_19	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#17: Elite_19 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#18: Amohnton_21	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#19: Krueger_21	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#20: Hammy_21 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#21: Marshawn_23	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#22: Syra333_21	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#23: Ximemita_22	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#24: PhelpsODU_21 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#25: Amgine_20	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#26: TCM_21	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#27: Yuna_22	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#28: SirPhilip_21	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#29: Aminay_20	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#30: Bollgate_19	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#31: Wyatt2_17 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#32: OPIE_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#33: LeBron_17 + 3	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#34: Helena_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#35: MAckerman_17 + 3	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#36: Appietree2_17 + 1	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#37: Enceladus_17 + 2	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#38: Wamburgixpress_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#39: Tyson_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#40: Faith1_17 + 17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#41: Claus_17 + 4	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#42: Soap141_17 + 2	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#43: Loadie_17 + 5	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#44: Bazzie_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#45: GuueiaD_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#46: Archie_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#47: Tourach_17	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#48: Finnry_18 + 3	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#49: DuncansLeg_18 + 4	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622
#50: MsGreen_18 + 8	21	21	40	80	100	140	180	240	274	300	350	400	437	465	482	500	589	622

Pham 196153



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 196153 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196153 has 1242 members, 122 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_27
- Track 2 : Gilberta_27, Aneem_27, Insomnia_27, Flaverint_27, Salz_27, Hutc2_27, Bachome_27, MaCh_27, Orange_27, Ebony_27, Jabith_27, Sham4_27, TinyTimmy_27, Joselito_27, Et2Brutus_26, Bowtie_27, Mabel_27, Fibonacci_27, Bud_27, Mulciber_27, Petersenfast_26, Snape_27, Munch_27, Lucivia_27, Timothy_27
- Track 3 : Zimmer_29
- Track 4 : Refuge_30
- Track 5 : Pharaoh_27
- Track 6 : DarthPhader_28
- Track 7 : Steamy_28
- Track 8 : Phlei_22
- Track 9 : Gail_26
- Track 10 : Jeeves_26
- Track 11 : SororFago_26
- Track 12 : Luchador_28
- Track 13 : Sunhee_25
- Track 14 : Anon_27
- Track 15 : Boohoo_29, Strosahl_29, DekHockey33_29, Epsocamisio_29, Oofda_30, Looper_30, MinecraftSteve_30, Remus_29, Rosalind_29, Battleship_30, Nebulosus_29, JSwag_29, ShayRa_30, Soups_29, Waits_29, KatherineG_29, Switzerland_29, LastResort_29, Anaysia_29, ReMo_29
- Track 16 : Nedarya_28
- Track 17 : EagleEye_29, PainterBoy_28, Lucyedi_28
- Track 18 : 40AC_30
- Track 19 : Landor_28, Phaded_30, Bactobuster_28, Jaan_30
- Track 20 : SemperFi_29, QueenBeesly_27, Georgie2_28, Anselm_27, FiringLine_27, SnapTap_27, SweetiePie_27, Crucio_27, Fameo_27, QueenB2_27, Power_27
- Track 21 : Trooper_27
- Track 22 : TipsytheTRex_26
- Track 23 : Benvolio_27, Echild_27
- Track 24 : Bradman_26, MajorMajor_26, Quokka_25
- Track 25 : RedRock_30
- Track 26 : Herbertwm_24
- Track 27 : Odin_26

- Track 28 : JoshKayV_29, Dignity_29, KingCyrus_29, Whabigail7_29, Jerm_29, AbbyPaige_29, Buggy_29, Leviathan_29, LilTurb_29, Smeagan_29, Turbido_29, EvilGenius_29, ChipMunk_29, Agape74_29
- Track 29 : Naji_30, Pomar16_30, D32_30, Tomathan_30, D29_27, Travvers_30
- Track 30 : Piro94_28, Equemioh13_29, Flare16_27, Baehexic_28, Drake55_29, NaSiaTalie_27, WideWale_29, MiculUcigas_27, Centaur_29, Updawg_29
- Track 31 : Larenn_28, Malec_28
- Track 32 : Journey13_25
- Track 33 : Adzzy_28, Ph8s_28
- Track 34 : IronMan_29
- Track 35 : WeiHuaDA_33
- Track 36 : Retro23_27, Dalmatian_27, DudeLittle_27
- Track 37 : L5_27, Koduck_27
- Track 38 : MissWhite_27
- Track 39 : Kerberos_30
- Track 40 : BobSwaget_30, Rachaly_30
- Track 41 : NothingSpecial_29
- Track 42 : ANI8_30, VC3_30, AN9_30, C3_25, VA6_27
- Track 43 : StarStuff_30
- Track 44 : AnnaL29_30
- Track 45 : Loser_30
- Track 46 : Heffalump_29
- Track 47 : AN3_27
- Track 48 : Iwokeuplikedis_28
- Track 49 : Superchunk_26, Caraxes_26
- Track 50 : DBQu4n_30, Duplo_30
- Track 51 : Pukovnik_29
- Track 52 : Serenity_26
- Track 53 : TarsusIV_27
- Track 54 : EZMoney23_31
- Track 55 : Trixie_30
- Track 56 : Miko_30, Lokk_30
- Track 57 : Kalpine_30
- Track 58 : BengiVuitton_28, Deloris_28
- Track 59 : Acolyte_27
- Track 60 : 20ES_27
- Track 61 : HarryHoudini_29
- Track 62 : LadyBird_27, CRB1_27
- Track 63 : BabyBack_29, GaugeLDP_29
- Track 64 : NicoleTera_31
- Track 65 : Che12_29
- Track 66 : Jsquared_26
- Track 67 : Leogania_29, BiancaTri92_29
- Track 68 : SwirlSquare_29
- Track 69 : Colin_31
- Track 70 : Changeling_29
- Track 71 : XianYue_27
- Track 72 : ArcherNM_29
- Track 73 : First_0027
- Track 74 : Anthony_26
- Track 75 : Kinmap_27
- Track 76 : Micasa_23, Tarynearal_22, George_22, Cuco_23, Milcery_23, HuhtaEnerson15_23, Swirley_23

- Track 77 : Archetta_23, Bluefalcon_22, ForGetIt_23, Jovo_23, Ghouboy_23, Zolita_22, Conspiracy_23, SydNat_23
- Track 78 : PickleBack_23, Lev2_23, Phlorence_23, Aragog_23, Discoknowium_23, AgentM_23
- Track 79 : Theia_21, Twigg_23
- Track 80 : Midas2_23, Dublin_22, MarysWell_22, Coog_23
- Track 81 : PetterN_24
- Track 82 : LittleCherry_23, Bonamassa_23, Tiger_23
- Track 83 : Chadwick_24, Naca_23
- Track 84 : UnionJack_23, Airmid_23
- Track 85 : EITiger69_23
- Track 86 : Scorpia_24, Benedict_23
- Track 87 : Jabiru_23
- Track 88 : Jeffabunny_30, CloudWang3_30, Gladiator_30, Blue7_30, Wiks_30, Tucker_30, Hammer_30, Zaka_30, Lilbunny_30, Gruunaga_30, Roksolana_30, Yokurt_30, Hexamo_30, ToneTone_28, Artemis2UCLA_30, WunderPhul_30, Zulu_30
- Track 89 : Indra_30, Garak_31, Helmet_31
- Track 90 : SuperAwesome_30, JewelBug_30, DaVinci_30, GreedyLawyer_30, SuperCallie99_30, Jordennis_30, Neeharika16_30, Pmask_30, Isiphiwo_30, EricB_30, BABullseye_30, McFly_30, SmellyB_30, VohminGhazi_30, Cookiedough_30, Newrala_30, Chartreuse_30, Kipper29_30, Dorothea_30, Kazan_30, Hoot_30
- Track 91 : Rifter_30
- Track 92 : Koko_30
- Track 93 : Candra_30
- Track 94 : Blinn1_30, Priamo_30
- Track 95 : PP_36
- Track 96 : Danforth_22, Expelliarmus_22, Dixon_23, Smeadley_23, Roary_23, Astro_23, NearlyHeadless_23, Saintus_23
- Track 97 : Phillis_23, Groundhog_22
- Track 98 : Stephig9_23
- Track 99 : Jiawan_27, Aliter_28, Conquerage_28, Phaeder_28, Spouty_28, Beemo_28, ExplosioNervosa_28, EdogawaKiddo_26, RyeScarlet_29, EmyBug_28, Lilleskat_26, Tubs_28, Hanray_27, Priya_28, Catalina_28, Onglai_27, Eidsmoe_28, Scherzo_28, Ugenie5_25, Qobbit_28, Pioneer_28, PackMan_28, Fayely_28, Myxus_28, Phonnegut_28, Holec_27, Sachima_26, Alma_28, HortumSL17_28
- Track 100 : Darrell_29
- Track 101 : Charm_27
- Track 102 : Rahalelujah_26
- Track 103 : Toaka_26
- Track 104 : Vanisoa_26
- Track 105 : BogosyJay_28
- Track 106 : SheaKeira_27
- Track 107 : Elephantoon_28
- Track 108 : Yecey3_27
- Track 109 : Keziacharles14_26
- Track 110 : Maminiaina_28
- Track 111 : LoneWolf_28
- Track 112 : Arissanae_26
- Track 113 : DreamTeam1_27
- Track 114 : JacoRen57_16
- Track 115 : NoShow_17

- Track 116 : Maco6_18, 8UZL_20
- Track 117 : FF47_20
- Track 118 : Muddy_20
- Track 119 : Sparky_15, Farewell_15
- Track 120 : Nergal_21
- Track 121 : MalagasyRose_23
- Track 122 : Weirdo19_18
- Track 123 : JustASigh_17
- Track 124 : Espica_22, UhSalsa_22, Naiad_22, Belenaria_22, Swann_22, StCroix_22, Alatin_22, Natosaleda_22, RexFury_22, RER2_15, Nancinator_22
- Track 125 : Gollum_22
- Track 126 : Hiro_22, Krishelle_22, PhailMary_21, AppleCloud_20, Jester_22
- Track 127 : Alpacados_21, BobbyDazzler_22, Bonanza_22, Yoncess_22, Yogi_22, Rasputin_22
- Track 128 : Phrankenstein_22, CosmicSans_22, TWAMP_22, Bradshaw_22, Lillie_22, Erik_22, Rhodalysa_22
- Track 129 : Dinger_22, Partridge_22
- Track 130 : AngryOrchard_21, Takoda_22
- Track 131 : Harlequin_22, Bryce_22
- Track 132 : Shuman_22
- Track 133 : RGL3_15
- Track 134 : Morrissey_18
- Track 135 : Puppies_17, Widow_17
- Track 136 : Mahdia_17
- Track 137 : Gustav_17
- Track 138 : Trine_17
- Track 139 : Upyo_17
- Track 140 : ClubL_47, Aphelion_47, Cucurbita_49, Bachita_49, Toniann_47, Geeche_46, PhinkBoden_47
- Track 141 : Dusty_45, Abscondus_46
- Track 142 : Miskis_49, Lozinak_47, Engineer_48
- Track 143 : WilliamBoone_47
- Track 144 : Smoothie_48, Norvs_48, Culver_47
- Track 145 : OneUp_41
- Track 146 : BrutonGaster_35
- Track 147 : Maselop_44, Polyuyuki_44, CoffeeBean_44, Apiary_44, Braxoaddie_44
- Track 148 : MacGully_49
- Track 149 : GuyFagieri_44
- Track 150 : Flapper_44
- Track 151 : Dalilpop_45
- Track 152 : Turuncu_44
- Track 153 : GRU1_30
- Track 154 : GTE5_31
- Track 155 : NosilaM_43
- Track 156 : GrootJr_42, Emianna_40, Jifall16_39, Kurt_40, Tracker_40, Arti_40, NatB6_40, KidneyBean_40, Phomeo_39, Wheezy_40, Foxboro_41, NovumRegina_40
- Track 157 : Outis_41, MerCougar_41, StarStruck_41
- Track 158 : Kabluna_43
- Track 159 : Commandaria_42
- Track 160 : Bonum_43
- Track 161 : Buggaboo_41, SuperSulley_41
- Track 162 : GTE8_29

- Track 163 : Ennea_46, Lollipop1437_45
- Track 164 : Patio_43, Skysand_42, Float294_42
- Track 165 : Yndexa_42, Sukkupi_42, BiPauneto_43
- Track 166 : IDyn_41
- Track 167 : HubbaBubba_39
- Track 168 : WhoseManz_42
- Track 169 : NadineRae_40
- Track 170 : Marietta_42
- Track 171 : Pleakley_49, Fury_49
- Track 172 : Malachai_19, Begonia_19
- Track 173 : Jalammah_20, Samba_18
- Track 174 : Delian_18, UmaThurman_18, CaptainKirk2_18, Mellie_17, Obliviate_17, Hitter_18, ZiggyZoo_17, Walrus_19
- Track 175 : Archis_19
- Track 176 : Barco_18, Melba_18, Guacamole_18
- Track 177 : Wisp_17
- Track 178 : JuJu_18
- Track 179 : PCoral7_18, William_18, PrincePatrick_18, Fairfaxidum_18, Toast_18
- Track 180 : Murp_18
- Track 181 : Pipp_18
- Track 182 : CarolAnn_18, Blino_18
- Track 183 : JasperJr_18, MintFen_18, BlingBling_18, Utz_18
- Track 184 : Blueberry_20, MissRona_20, Gambino_20, Azula_20
- Track 185 : Fenry_17
- Track 186 : Wocket_19
- Track 187 : Frokostdame_18
- Track 188 : Petra_20
- Track 189 : Lysidious_19
- Track 190 : KappaFarmDelta_18
- Track 191 : PhrostedPhlake_19
- Track 192 : Zarbodnamra_18
- Track 193 : LonelyBoi_19, BeeGee_19, Confidence_19
- Track 194 : Posh_19
- Track 195 : Cashline_19
- Track 196 : Pollux_19, BritBrat_19, EMSquaredA_19, Wrigley_19, Jablanski_19, Pytheas_19, Floral_19, Marteena_19
- Track 197 : Angelique_19
- Track 198 : Lilas_19, Bradissa_19, EnalisNailo_19
- Track 199 : Bunnybear_17
- Track 200 : Pepperoni_16, Lton_16, OneDirection_16
- Track 201 : Herod_18, Eviarto_18, BatStarr_18, BaxterFox_17, Ohgeesy_18, Yeezy_19, Nymphadora_18, PantheRoc_18, Bosnia_18, Hugley_18, TimTam_18
- Track 202 : Suscepit_18, Antonio_18, Tayonia_18, Kita_18, Polly_18, Zameen_18, Trumpet_18, Maridalia_17, Eudoria_18, Neobush_18, Manasvini_18
- Track 203 : Bialota_18, Agueybana_18, Zirinka_18
- Track 204 : Madeline_18
- Track 205 : Hyzer_18
- Track 206 : ThankyouJordi_17, WelcomeAyanna_17
- Track 207 : AlumE_18, BoyNamedSue_18
- Track 208 : Mocha12_16, GemG_16, Cynthia_16, Gizermo_16, Savage_16, Ebert_16, TuertoX_16, Clap_16, Haley23_16, Sproutie_16, Whiteclaw_16
- Track 209 : Lamberg_16, Nettuno_16, EdnaMode_16
- Track 210 : Matteo_16

- Track 211 : Sahara_16
- Track 212 : Attis_16, Yeet412_16, LordFarquaad_16, SoilAssassin_16, Bjanes7_16
- Track 213 : JCole_16, Pickett_16
- Track 214 : Vasanti_16
- Track 215 : Easley_19, Oregano_19
- Track 216 : Mcklovin_19
- Track 217 : PhriskyACE_18
- Track 218 : Annalisa_19
- Track 219 : Howe_19, Adora_19, Shlim410_19, Hortense_19
- Track 220 : Dorito_18
- Track 221 : Beenie_19, MichaelScott_19
- Track 222 : Thimann_19
- Track 223 : Samman98_19, Dolores_19, WinkNick_19
- Track 224 : Sekhmet_19
- Track 225 : Clark_19
- Track 226 : Twinkle_19
- Track 227 : DobbysSock_18
- Track 228 : Suerte_17
- Track 229 : Powerball_18
- Track 230 : Denise_16
- Track 231 : Faith5x5_16
- Track 232 : Moosehead_16
- Track 233 : Sidious_18
- Track 234 : RavenCo17_16, Eyre_16
- Track 235 : Ghobes_15
- Track 236 : Frizzle_16
- Track 237 : Sapo_15
- Track 238 : Archimedes_15
- Track 239 : Gezellig_31, CoveyB_33, Valary_33, Nubi_30, Togo_30, Danyall_32, SmokingBunny_30, Phlop_30, Arri_33, Savbucketdawg_30, Portcullis_30, Wizard_30, PullumCavea_30, KimmyK_32, Fugax_32, PinkCoffee_32, Shinji_30, Twister6_32, Barb_32, ClamChowder_32, Jambalaya_30, Halo3_31
- Track 240 : Evamon_30, Salvador_30
- Track 241 : Bakery_31
- Track 242 : YungMoney_32
- Track 243 : Fireball_31, TillyBobJoe_30
- Track 244 : Mutzi_32
- Track 245 : RogerDodger_33
- Track 246 : VanDeWege_33
- Track 247 : Clown_34
- Track 248 : Cardigan_46
- Track 249 : Yvonnetastic_44, JonJames_46
- Track 250 : Belphegor_32
- Track 251 : ChadMasterC_34, McKinley_36, Rofo_34, Vivi2_36, Paries_36
- Track 252 : Shivanishola_35, Sedona_34, Affeca_32
- Track 253 : Geodirt_31, Kewpiedoll_33
- Track 254 : Fitzgerald_32, BobBob_31, Charming_34
- Track 255 : Ribeye_34
- Track 256 : Saronaya_33, Gustavo_33, Tangerine_33
- Track 257 : Fosterous_32
- Track 258 : StorminNorm_33, Ashertheman_34, Baumdotcom_33, SchottB_32
- Track 259 : Baddon_33, Derg_31
- Track 260 : Angelicage_32

- Track 261 : Keitabear_34
- Track 262 : Kamashten_33, Thing3_33
- Track 263 : Nordenberg_28, Brandonk123_35
- Track 264 : LilHam_31
- Track 265 : Lennon_34, Sitar_34
- Track 266 : Barsten_34, Sanjuju_32, Ailee_32, Jabberwocky_32
- Track 267 : Gaea_33
- Track 268 : JKSyngboy_31
- Track 269 : YorkOnyx_34, Flatwoods_34
- Track 270 : Tangent_34, Galadriel_34, Stultus_32
- Track 271 : Bibwit_33
- Track 272 : Bizzy_34, Kroos_34, Kwobi_34, Tycho_33
- Track 273 : Love_37
- Track 274 : RiverRaider_34
- Track 275 : MoontowerMania_33
- Track 276 : EMOore_30
- Track 277 : Hans_34, Ali17_30, Phauci_25, Inspectinfecti_33
- Track 278 : MelBins_33
- Track 279 : Leonard_32, Phinally_32
- Track 280 : RoadKill_29
- Track 281 : Dexdert_32, Twonlo_29
- Track 282 : Kwekel_31
- Track 283 : Tiamoceli_32, Chickadee_31, EdmundFerry_30
- Track 284 : GTE6_31
- Track 285 : Natkenzie_34, Sampson_34, Scioto_34, Abblin_34
- Track 286 : Zipp_33, DoctorFroggo_33, Verity_33, Delrey21_33
- Track 287 : APunk_35
- Track 288 : Tardus_35
- Track 289 : ViaConlectus_34
- Track 290 : Zitch_35
- Track 291 : Lilbeanie_29
- Track 292 : Morkie_17, PhorbesPhlower_17
- Track 293 : Lucky10_17
- Track 294 : Parada_21, Brylie_21, Mulch_21, NancyRae_21, WheatThin_21, BetterKatz_21, Nadeem_21
- Track 295 : DelRio_22, Pimento_22
- Track 296 : Ayotoya_21, Hamood_21, Chop_21, GrandSlam_21
- Track 297 : Bock_21
- Track 298 : Francois_21
- Track 299 : GodonK_88
- Track 300 : Phendrix_86
- Track 301 : Bantam_29
- Track 302 : SpeedDemon_310
- Track 303 : DatBoi_30
- Track 304 : Daredevil_28
- Track 305 : Mollymur_30
- Track 306 : Birdsong_18, MortyNRick_18, Ecliptus_23
- Track 307 : BearBQ_18
- Track 308 : ODay_23
- Track 309 : Kuwabara_18
- Track 310 : Forza_100, Mareelih_98, Boopy_100, BlueNGold_99
- Track 311 : Sixama_98
- Track 312 : GMA2_29

- Track 313 : Ewald_21
- Track 314 : Vordorf_21
- Track 315 : Dogfish_20
- Track 316 : Nyceirae_22
- Track 317 : Meyran_20
- Track 318 : Phishy_21
- Track 319 : Octobien14_27
- Track 320 : Sephiroth_27, Syleon_27
- Track 321 : Kudrefre_26
- Track 322 : Neville_27
- Track 323 : Trax_27
- Track 324 : Rabbitrun_29
- Track 325 : DumpsterDude_18
- Track 326 : Malibo_19
- Track 327 : Ruthy_18
- Track 328 : Reyja_18, Tarzan_17, DonkeyMan_17
- Track 329 : Heinz_18
- Track 330 : Hibiscus_17
- Track 331 : Jojo24_17
- Track 332 : Santhid_17
- Track 333 : Morgana_18
- Track 334 : Cafasso_18
- Track 335 : Aleemily_18
- Track 336 : ObLaDi_18
- Track 337 : ModicumRichard_18
- Track 338 : PeteyPab_32, Zion_33, Darwin_33, PotatoChip_33
- Track 339 : Cruella_30, C3PO_30
- Track 340 : Kimchi1738_30
- Track 341 : Stickynote_32
- Track 342 : Colleen_18, Poushou_18, TouchMeNot_18
- Track 343 : Arianna_18
- Track 344 : PinkYoshi_17, Crespo_17, DMoney_17, Jolene_17, Zombie_17, Gideon_17, CassieYates_17, Angel_17, OctaviousRex_17, ECartman_17, Periodt_17, Avrafan_17, Schiebel_17, Hope_17, Hotshotbaby7_17, Marmie_17, Cedasite_17, Renaissance_17, AzulaCat_17, BPs_17, ZoMa_17, BQuat_17, Coleslaw_17, GoldenAsh_17, Cherrybomb426_17, DNAlII_0017, Aroostook_17, Phreak_17, Mowgli_17, Kareem_17, BruceB_17, Darionha_17, Frosty24_17, Gomashi_17, Sweets_17, Remy19_17, Kasen3_17, Halo_17, Maliketh_17, Chance64_17, Camri_17, JorRay_17, Annihilator_17, ShaboiShabazz_17, Jane_17, LouisV14_17, Wendigo_17, CLED96_17, Jonghyun_17, TomBrady_17, Sizemore_17, Phish_17, Olga_17
- Track 345 : Paito_17
- Track 346 : Taheera_17, Terror_17, Rabbs_17, Sneeze_17
- Track 347 : Barkley26_17
- Track 348 : Plagueis_17
- Track 349 : Liefie_17
- Track 350 : Peeb_17
- Track 351 : Grizzly_17
- Track 352 : Cambiare_18, Avocado_17
- Track 353 : Pace1224_17
- Track 354 : FlagStaff_17
- Track 355 : MOOREtheMARYer_17
- Track 356 : Pinnie_18

- Track 357 : Jolie2_17
- Track 358 : Lemuria_17
- Track 359 : Mercurio_18
- Track 360 : Antsirabe_17
- Track 361 : Stargaze_17
- Track 362 : Durfee_22, Joy99_22, Zabiza_22, Adonis_22, Zavala_22, HedwigODU_22, Dalmuri_22, Inky_22, TreyKay_22, BGlluviae_22, Jeckyll_22, Veliki_22, Sulley_22, Ramen_22, Rapunzel97_22, Pokerus_21, Beezoo_22, Boiiii_22, Belladonna_22, CheetoDust_22, Peel_22, Angelica_22, Jayhawk_22, Mynx_22, Asayake_22, Ganymede_23, AlishaPH_22, Twitch_22, Emerson_22, BarrelRoll_22, Adephagia_22, Deby_22, Piatt_22, Blizzard_22, Atiba_22, BaghaKamala_22, JAWS_22, Slimphazie_22, Prithvi_22, BEEST_22, CaseJules_22, Capricorn_22, YoureAdopted_21, LindNT_22, Hyperbowlee_22, Jarvi_22, Llorens_22, Spock_22, QuincyRose_21, TruffulaTree_22, CrimD_22, Tiri_22, Tachez_22, Topper_22, Padpat_22, ActinUp_22, Homura_22, CREW_22, Padfoot_22, Rosmarinus_22, ShiaSurprise_22, Lunahalos_22
- Track 363 : LilPharaoh_18, Nutello_18, SgtBeansprout_18, Mdavu_18, Enkosi_18, Amelie_18, Biglebops_18, Torres_18, Nikao_18
- Track 364 : TiniBug_22, DrHayes_22, Urkel_22, SamuelLPlaqson_22
- Track 365 : Anaya_23
- Track 366 : Illumine_22, Devera_22, Dole_22
- Track 367 : Guanica15_22, Yunkel11_22, Efra2_22
- Track 368 : Geraldini_22, MeaningOfLife_22
- Track 369 : Curiosium_23
- Track 370 : Validus_22
- Track 371 : LaterM_22, Murucutumbu_22
- Track 372 : LastHope_22
- Track 373 : Megsy_22, TaiwanKao_23
- Track 374 : LeMond_21, Oscar_21
- Track 375 : Shaobing_22, Dartin_22, Peanam_22, Richo_22, McMater_22, Niklas_22
- Track 376 : Stinson_22, Ageofdapage_22
- Track 377 : MarkPhew_22
- Track 378 : Apocalypse_22
- Track 379 : TingHuaYa_22
- Track 380 : Bella96_22
- Track 381 : Chris_21
- Track 382 : KiSi_21
- Track 383 : Scarlett_21
- Track 384 : Nibb_21
- Track 385 : Findley_18, Strobilo_18, DismalStressor_18, DismalFunk_18, Milly_18, Marcoliusprime_18
- Track 386 : ZoeJ_18
- Track 387 : BoostSeason_18, Mufasa_18
- Track 388 : TM4_18
- Track 389 : MacnCheese_22
- Track 390 : Pixie_21
- Track 391 : TBond007_21
- Track 392 : ShedlockHolmes_21
- Track 393 : Pharb_21
- Track 394 : TribbleTrouble_20
- Track 395 : Hurricane_21
- Track 396 : Keshu_21

- Track 397 : Fionnbharth_23, Kraw_24, Wintermute_23, Malthus_24, Y10_23, Y2_23, JF1_23
- Track 398 : SamScheppers_21, OmniCritical_23, Taquito_21, Mitti_23
- Track 399 : Ruthiejr_22, Eponine_23, Juliette_23
- Track 400 : Reptar3000_23
- Track 401 : MissDaisy_23, Patt_23
- Track 402 : Slarp_23, Cheetobro_23, Chancellor_23
- Track 403 : Omnicron_20
- Track 404 : InvictusManeo_20, Agent47_20, Collard_20
- Track 405 : AlleyCat_20, Edugator_19, Psycho_20, Larva_20
- Track 406 : Heftyboy_20, SoSeph_20, Gengar_20
- Track 407 : Miryou_20, Thyatira_20
- Track 408 : Guillsminger_20, Leston_20, Paola_20
- Track 409 : Waterfoul_20, Feyre_20
- Track 410 : Rando14_20
- Track 411 : OkiRoe_20
- Track 412 : Kratio_19
- Track 413 : Dadosky_20
- Track 414 : Phrank_21, Bryler_21, Cain_21, Tierra_21
- Track 415 : Shadow1_20, Sunflower1121_20
- Track 416 : Ekdilam_19
- Track 417 : Ellie_19, Fefferhead_21
- Track 418 : Amohnition_21
- Track 419 : Krueger_21
- Track 420 : Hammy_21, DARTH_P_21
- Track 421 : Marshawn_23
- Track 422 : Syra333_21
- Track 423 : Ximenita_22
- Track 424 : PhelpsODU_21, Unicorn_21
- Track 425 : Amgine_20
- Track 426 : TClif_21
- Track 427 : Yuna_22
- Track 428 : SirPhilip_21
- Track 429 : Aminay_20
- Track 430 : Boilgate_19
- Track 431 : Wyatt2_17, Acquire49_17
- Track 432 : UPIE_17
- Track 433 : LeBron_17, Calm_17, Zaria_17, CicholasNage_17
- Track 434 : Halena_17
- Track 435 : MAckerman_17, AvadaKedavra_17, Silverleaf_17, Rose5_17
- Track 436 : Appletree2_17, JoeDirt_17
- Track 437 : Enceladus_17, DirkDirk_17, OhShagHennessy_17
- Track 438 : Wamburgxpress_17
- Track 439 : Tyson_17
- Track 440 : Faith1_17, DrSeegs_17, Zakai_17, Crossroads_17, Gabriela_17, Finemlucis_17, BigCheese_17, MkaliMitinis3_17, Breezona_17, Rumpelstiltskin_17, BobsGarage_17, LilDestine_17, Lewan_17, Itos_17, Miley16_17, Vetrix_17, Netyap_17, Winky_17
- Track 441 : Claus_17, ZhongYanYuan_16, Baoshan_16, DanBing_16, DHan_17
- Track 442 : Soap141_17, Sarshaun_17, Hafay_17
- Track 443 : Loadrie_17, Nicholasp3_17, Gardann_17, Wilder_17, Wigglewiggle_17, Kahlid_17
- Track 444 : Bazzle_17

- Track 445 : GuuelaD_17
- Track 446 : Archie_17
- Track 447 : Tourach_17
- Track 448 : Finnry_18, Samty_18, Bellis_18, Moostard_18
- Track 449 : DuncansLeg_18, BourbonZero_17, KirDoubleO7_16, LiyuLake_18, Ellson_18
- Track 450 : MsGreen_18, Jobypre_18, Jubie_18, Clautastrophe_18, Snenia_18, Krypton555_18, Kingsolomon_18, Nicholas_18, Lumos_18
- Track 451 : Whirlwind_19
- Track 452 : MiniMac_18, Lolly9_18, MiniLon_18
- Track 453 : Sheng711_17
- Track 454 : DyoEdafos_18
- Track 455 : BrainDrainer_18, Douzhi_17, PYPDinur_17
- Track 456 : Bromden_18
- Track 457 : Quby_17, Douge_17, FarmResident_17
- Track 458 : Chaser_17
- Track 459 : Baudelaire_17, Aegeus_17
- Track 460 : IPhane7_27, Auspice_27, Bricole_27, Glaske16_28, LilhomieP_26, Bongo_27, SlimJimmy_26, PegLeg_27, Diminimus_28, TyDawg_27, Dulcita_28, Skinny_28
- Track 461 : Reindeer_25
- Track 462 : Estes_32
- Track 463 : Rey_31
- Track 464 : MrMagoo_31, GardenSalsa_31
- Track 465 : GenevaB15_31, Aziz_31
- Track 466 : Nanosmite_31
- Track 467 : Forge_21, Amymech_21, Giles_21, Hadrien_21, Kinbote_21, Webster2_21, DeepSoil15_21, LilHazelNut_21, Luke_21, Evanesce_21, HH92_21, Wishmaker_21, Ein37_21, Daegal_22, Dewey_21, Amochick_21, Hail_21, Ubuntu_21, OBUpride_21, Luna22_21
- Track 468 : Gancho_20, Gravaillia_21
- Track 469 : Poise_49, Blackbeetle_49
- Track 470 : FeliMaine_49, Huphlepuuff_51, LittleLaf_49, Corazon_47, Clarkson_50, Lilbit_50
- Track 471 : Beelzebub_53, Pringar_49, Marvin_47, VasuNzinga_49, JoieB_50
- Track 472 : Caprice_46, MosMoris_47, Gattaca_48, RedRaider77_49, Tesla_48, Raela_49
- Track 473 : Nairb_18, ZenTime222_18, Ibrahim_18, Bernal13_18, Whitty_18, RonRayGun_18
- Track 474 : Mendokysei_17
- Track 475 : Gaia_13, Nebkiss_14
- Track 476 : Cracklewink_23
- Track 477 : Hilltopfarm_23, AuntGwenStacy_23, Typha_23
- Track 478 : Bipper_23
- Track 479 : 32HC_25
- Track 480 : Rem711_24
- Track 481 : P1201_46
- Track 482 : Jace_16
- Track 483 : EmiRose_16
- Track 484 : Gudmit_17
- Track 485 : GMA1_18
- Track 486 : ChewyVIII_55
- Track 487 : REQ2_19

- Track 488 : VanLee_19
- Track 489 : P3MA_18
- Track 490 : TPA4_18
- Track 491 : Whack_17
- Track 492 : Sleepyhead_17
- Track 493 : Finkle_18
- Track 494 : PSonyx_16
- Track 495 : Kumao_27
- Track 496 : REQ3_49
- Track 497 : GAL1_19
- Track 498 : IdentityCrisis_16
- Track 499 : Mbo4_16
- Track 500 : TinyDot_18

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

The start number called the most often in the published annotations is 72, it was called in 238 of the 1120 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_27, 40AC_30, AN3_27, AN9_30, ANI8_30, AbbyPaige_29, Acolyte_27, Adzzy_28, Agape74_29, Aliter_28, Alma_28, Aneem_27, AnnaL29_30, Anselm_27, Anthony_26, ArcherNM_29, Arissanae_26, Artemis2UCLA_30, BABullseye_30, BabyBack_29, Bachome_27, Bactobuster_28, Baehexic_28, Beelzebub_53, Beemo_28, BengiVuitton_28, Benvolio_27, BiancaTri92_29, Blackbeetle_49, Blinn1_30, Blue7_30, BobSwaget_30, BogosyJay_28, Bowtie_27, Bradman_26, Bud_27, Buggy_29, C3_25, CRB1_27, Candra_30, Caprice_46, Caraxes_26, Catalina_28, Centaur_29, Changeling_29, Chargerpower_27, Charm_27, Chartreuse_30, Che12_29, ChipMunk_29, Clarkson_50, CloudWang3_30, Colin_31, Conquerage_28, Cookiedough_30, Corazon_47, Crucio_27, D29_27, D32_30, DBQu4n_30, DaVinci_30, Dalmatian_27, Darrell_29, DARTHPhader_28, Deloris_28, Dignity_29, Dorothea_30, Drake55_29, DreamTeam1_27, DudeLittle_27, Duplo_30, EZMoney23_31, EagleEye_29, Ebony_27, Echild_27, EdogawaKiddo_26, Eidsmoe_28, Elephantoon_28, EmyBug_28, Equemioh13_29, EricB_30, Et2Brutus_26, EvilGenius_29, ExplosioNervosa_28, Fameo_27, Fayely_28, FeliMaine_49, Fibonacci_27, FiringLine_27, First_0027, Flare16_27, Flaverint_27, Gail_26, Garak_31, Gattaca_48, GaugeLDP_29, Georgie2_28, Gilberta_27, Gladiator_30, GreedyLawyer_30, Gruunaga_30, Hammer_30, Hanray_27, HarryHoudini_29, Heffalump_29, Helmet_31, Herbertwm_24, Hexamo_30, Holes_27, Hoot_30, HortumSL17_28, Huphlepuuff_51, Hutc2_27, Indra_30, Insomnia_27, IronMan_29, Isiphiwo_30, Iwokeuplikedis_28, Jaan_30, Jabith_27, Jeeves_26, Jeffabunny_30, Jerm_29, JewelBug_30, Jiawan_27, JoieB_50, Jordennis_30, Joselito_27, JoshKayV_29, Journey13_25, Jsquared_26, Kalpine_30, Kazan_30, Kerberos_30, Keziacharles14_26, KingCyrus_29, Kinmap_27, Kipper29_30, Koduck_27, Koko_30, Kudrefre_26, L5_27, LadyBird_27, Landor_28, Larenn_28, Leogania_29, Leviathan_29, LilTurb_29, Lilbit_50, Lilbunny_30, Lilleskat_26, LittleLaf_49, Loka_30, Loser_30, Luchador_28, Lucivia_27, Lucyedi_28, MaCh_27, Mabel_27, MajorMajor_26, Malec_28, Maminiaina_28, Marvin_47, McFly_30, MiculUcigas_27, Miko_30, MissWhite_27, MosMoris_47, Mulciber_27, Munch_27, Myxus_28, NaSiaTalie_27, Naji_30, Neeharika16_30, Neville_27, Newrala_30,

NicoleTera_31, NothingSpecial_29, Octobien14_27, Odin_26, Onglai_27, Orange_27, PackMan_28, PainterBoy_28, Petersenfast_26, Ph8s_28, Phaded_30, Phaeder_28, Pharaoh_27, Phlei_22, Phonnegut_28, Pioneer_28, Piro94_28, Pmask_30, Poise_49, Pomar16_30, Power_27, Priamo_30, Pringar_49, Priya_28, Pukovnik_29, Qobbit_28, QueenB2_27, QueenBeesly_27, Quokka_25, Rachaly_30, Raela_49, Rahalelujah_26, RedRaider77_49, RedRock_30, Refuge_30, Retro23_27, Rifter_30, Roksolana_30, RyeScarlet_29, Sachima_26, Salz_27, Scherzo_28, SemperFi_29, Sephiroth_27, Serenity_26, Sham4_27, SheaKeira_27, Smeagan_29, SmellyB_30, SnapTap_27, Snape_27, SororFago_26, Spouty_28, StarStuff_30, Steamy_28, SuperAwesome_30, SuperCallie99_30, Superchunk_26, SweetiePie_27, SwirlSquare_29, Syleon_27, TarsusIV_27, Tesla_48, Timothy_27, TinyTimmy_27, TipsytheTRex_26, Toaka_26, Tomathan_30, ToneTone_28, Travvers_30, Trax_27, Trixie_30, Trooper_27, Tubs_28, Tucker_30, Turbido_29, Ugenie5_25, Updawg_29, VA6_27, VC3_30, Vanisoa_26, VasuNzinga_49, VohminGhazi_30, WeiHuaDA_33, Whabigail7_29, WideWale_29, Wiks_30, WunderPhul_30, XianYue_27, Yecey3_27, Yokurt_30, Zaka_30, Zimmer_29, Zulu_30,

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

• 8UZL_20, FF47_20, Gaia_13, Maco6_18, Muddy_20, Nebkiss_14, Rabbitrun_29,

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

• 32HC_25, APunk_35, Abblin_34, Abscondus_46, Acquire49_17, ActinUp_22, Adephegia_22, Adonis_22, Adora_19, Aegeus_17, Affeca_32, Agent47_20, AgentM_23, Ageofdapage_22, Agueybana_18, Ailee_32, Airmid_23, Alatin_22, Aleemily_18, Ali17_30, AlishaPH_22, AlleyCat_20, Alpacados_21, AlumE_18, Amelie_18, Amgine_20, Aminay_20, Amochick_21, Amohnition_21, Amymech_21, Anaya_23, Anaysia_29, Angel_17, Angelica_22, Angelicage_32, Angelique_19, AngryOrchard_21, Annalisa_19, Annihilator_17, Anon_27, Antonio_18, Antsirabe_17, Aphelion_47, Apiary_44, Apocalypse_22, AppleCloud_20, Appletree2_17, Aragog_23, Archetta_23, Archie_17, Archimedes_15, Archis_19, Arianna_18, Aroostook_17, Arri_33, Arti_40, Asayake_22, Ashertheman_34, Astro_23, Atiba_22, Attis_16, AuntGwenStacy_23, Auspice_27, AvadaKedavra_17, Avocado_17, Avrafan_17, Ayotoya_21, Aziz_31, AzulaCat_17, Azula_20, BEEST_22, BGIlluviae_22, BPs_17, BQuat_17, Bachita_49, Baddon_33, BaghaKamala_22, Bakery_31, Bantam_29, Baoshan_16, Barb_32, Barco_18, Barkley26_17, BarrelRoll_22, Barsten_34, BatStarr_18, Battleship_30, Baudelaire_17, Baumdotcom_33, BaxterFox_17, Bazzle_17, BearBQ_18, BeeGee_19, Beenie_19, Beezoo_22, Begonia_19, Belenaria_22, Bella96_22, Belladonna_22, Bellis_18, Belphegor_32, Benedict_23, Bernal13_18, BetterKatz_21, BiPauneto_43, Bialota_18, Bibwit_33, BigCheese_17, Binglebops_18, Bipper_23, Birdsong_18, Bizzy_34, Bjanes7_16, BlingBling_18, Blino_18, Blizzard_22, BlueNGold_99, Blueberry_20, Bluefalcon_22, BobBob_31, BobbyDazzler_22, BobsGarage_17, Bock_21, Boiiii_22, Boilgate_19, Bonamassa_23, Bonanza_22, Bongo_27, Bonum_43, Boohoo_29, Boopy_100, BoostSeason_18, Bosnia_18, BourbonZero_17, BoyNamedSue_18, Bradissa_19, Bradshaw_22, BrainDrainer_18, Brandonk123_35, Braxoaddie_44, Breezona_17, Bricole_27, BritBrat_19, Bromden_18, BruceB_17, BrutonGaster_35, Bryce_22, Bryler_21, Brylie_21, Buggaboo_41, Bunnybear_17, C3PO_30, CLED96_17, CREW_22, Cafasso_18, Cain_21, Calm_17, Cambiare_18, Camri_17, Capricorn_22, CaptainKirk2_18, Cardigan_46, CarolAnn_18, CaseJules_22, Cashline_19, CassieYates_17, Cedasite_17, ChadMasterC_34, Chadwick_24, Chance64_17, Chancellor_23, Charming_34, Chaser_17, CheetoDust_22, Cheetobro_23, Cherrybomb426_17, ChewyVIII_55, Chickadee_31, Chop_21, Chris_21, CicholasNage_17, ClamChowder_32, Clap_16, Clark_19, Claus_17,

Clautastrophe_18, Clown_34, ClubL_47, CoffeeBean_44, Coleslaw_17, Collard_20, Colleen_18, Commandaria_42, Confidence_19, Conspiracy_23, Coog_23, CosmicSans_22, CoveyB_33, Cracklewink_23, Crespo_17, CrimD_22, Crossroads_17, Cruella_30, Cuco_23, Cucurbita_49, Culver_47, Curiosium_23, Cynthia_16, DHan_17, DMoney_17, DNAIII_0017, Dadosky_20, Daegal_22, Dalilpop_45, Dalmuri_22, DanBing_16, Danforth_22, Danyall_32, Daredevil_28, Darionha_17, DarthP_21, Dartin_22, Darwin_33, DatBoi_30, Deby_22, DeepSoil15_21, DekHockey33_29, DelRio_22, Delian_18, Delrey21_33, Denise_16, Derg_31, Devera_22, Dewey_21, Dextert_32, Diminimus_28, Dinger_22, DirkDirk_17, Discoknowium_23, DismalFunk_18, DismalStressor_18, Dixon_23, DobbysSock_18, DoctorFroggo_33, Dogfish_20, Dole_22, Dolores_19, DonkeyMan_17, Dorito_18, Douge_17, Douzhi_17, DrHayes_22, DrSeegs_17, Dublin_22, Dulcita_28, DumpsterDude_18, DuncansLeg_18, Durfee_22, Dusty_45, DyoEdafos_18, ECartman_17, EMOore_30, EMSquaredA_19, Easley_19, Ebert_16, Ecliptus_23, EdmundFerry_30, EdnaMode_16, Edugator_19, Efra2_22, Ein37_21, Ekdilam_19, EITiger69_23, Ellie_19, Ellson_18, Emerson_22, EmiRose_16, Emianna_40, EnalisNailo_19, Enceladus_17, Engineer_48, Enkosi_18, Ennea_46, Eponine_23, Epsocamisio_29, Erik_22, Espica_22, Estes_32, Eudoria_18, Evamon_30, Evanesce_21, Eviarto_18, Ewald_21, Expelliarmus_22, Eyre_16, Fairfaxidum_18, Faith1_17, Faith5x5_16, Farewell_15, FarmResident_17, Fefferhead_21, Fenry_17, Feyre_20, Findley_18, Finemlucis_17, Finkle_18, Finrly_18, Fionnbharth_23, Fireball_31, Fitzgerald_32, FlagStaff_17, Flapper_44, Flatwoods_34, Float294_42, Floral_19, ForGetIt_23, Forge_21, Forza_100, Fosterous_32, Foxboro_41, Francois_21, Frizzle_16, Frokostdame_18, Frosty24_17, Fugax_32, Fury_49, GAL1_19, GMA1_18, GMA2_29, GRU1_30, GTE5_31, GTE6_31, GTE8_29, Gabriela_17, Gaea_33, Galadriel_34, Gambino_20, Gancho_20, Ganymede_23, Gardann_17, GardenSalsa_31, Geeche_46, GemG_16, GenevaB15_31, Gengar_20, Geodirt_31, George_22, Geraldini_22, Gezellig_31, Ghobes_15, Ghoulyboy_23, Gideon_17, Giles_21, Gizermo_16, Glaske16_28, GodonK_88, GoldenAsh_17, Gollum_22, Gomashi_17, GrandSlam_21, Gravaiilla_21, Grizzly_17, GrootJr_42, Groundhog_22, Guacamole_18, Guanica15_22, Gudmit_17, Guillsminger_20, Gustav_17, Gustavo_33, GuuelaD_17, GuyFagieri_44, HH92_21, Hadrien_21, Hafay_17, Hail_21, Halena_17, Haley23_16, Halo3_31, Halo_17, Hammy_21, Hamood_21, Hans_34, Harlequin_22, HedwigODU_22, Heftyboy_20, Heinz_18, Herod_18, Hibiscus_17, Hilltopfarm_23, Hiro_22, Hitter_18, Homura_22, Hope_17, Hortense_19, Hotshotbaby7_17, Howe_19, HubbaBubba_39, Hugley_18, HuhtaEnerson15_23, Hurricane_21, Hyperbowlee_22, Hyzer_18, IDyn_41, IPhane7_27, Ibrahim_18, IdentityCrisis_16, Illumine_22, Inky_22, Inspectinfecti_33, InvictusManeo_20, Itos_17, JAWS_22, JCole_16, JF1_23, JKSyngboy_31, JSwag_29, Jabberwocky_32, Jabiru_23, Jablanski_19, Jace_16, JacoRen57_16, Jalammah_20, Jambalaya_30, Jane_17, Jarvi_22, JasperJr_18, Jayhawk_22, Jeckyll_22, Jester_22, Jifall16_39, Jobypre_18, JoeDirt_17, Jojo24_17, Jolene_17, Jolie2_17, JonJames_46, Jonghyun_17, JorRay_17, Jovo_23, Joy99_22, JuJu_18, Jubie_18, Juliette_23, JustASigh_17, Kabluna_43, Kahlid_17, Kamashten_33, KappaFarmDelta_18, Kareem_17, Kasen3_17, KatherineG_29, Keitabear_34, Keshu_21, Kewpiedoll_33, KiSi_21, KidneyBean_40, Kimchi1738_30, KimmyK_32, Kinbote_21, Kingsolomon_18, KirDoubleO7_16, Kita_18, Kratio_19, Kraw_24, Krishelle_22, Kroos_34, Krueger_21, Krypton555_18, Kumao_27, Kurt_40, Kuwabara_18, Kwekel_31, Kwobi_34, Lamberg_16, Larva_20, LastHope_22, LastResort_29, LaterM_22, LeBron_17, LeMond_21, Lemuria_17, Lennon_34, Leonard_32, Leston_20, Lev2_23, Lewan_17, Liefie_17, LilDestine_17, LilHam_31, LilHazelNut_21, LilPharaoh_18, Lilas_19, Lilbeanie_29, LilhomieP_26, Lillie_22, LindNT_22, LittleCherry_23, LiyuLake_18,

Llorens_22, Loadrie_17, Lollipop1437_45, Lolly9_18, LoneWolf_28, LonelyBoi_19, Looper_30, LordFarquaad_16, LouisV14_17, Love_37, Lozinak_47, Lton_16, Lucky10_17, Luke_21, Lumos_18, Luna22_21, Lunahalos_22, Lysidious_19, MAckerman_17, MOOREtheMARYer_17, MacGully_49, MacnCheese_22, Madeline_18, Mahdia_17, Malachai_19, MalagasyRose_23, Malibo_19, Maliketh_17, Malthus_24, Manasvini_18, Marcoliusprime_18, Mareelih_98, Maridalia_17, Marietta_42, MarkPhew_22, Marmie_17, Marshawn_23, Marteena_19, MarysWell_22, Maselop_44, Matteo_16, Mbo4_16, McKinley_36, McMater_22, Mcklovin_19, Mdavu_18, MeaningOfLife_22, Megsy_22, MelBins_33, Melba_18, Mellie_17, Mendokysej_17, MerCougar_41, Mercurio_18, Meyran_20, Micasa_23, MichaelScott_19, Midas2_23, Milcery_23, Miley16_17, Milly_18, MinecraftSteve_30, MiniLon_18, MiniMac_18, MintFen_18, Miryou_20, Miskis_49, MissDaisy_23, MissRona_20, Mitti_23, MkaliMitinis3_17, Mocha12_16, ModicumRichard_18, Mollymur_30, MoontowerMania_33, Moosehead_16, Moostard_18, Morgana_18, Morkie_17, Morrissey_18, MortyNRick_18, Mowgli_17, MrMagoo_31, MsGreen_18, Mufasa_18, Mulch_21, Murp_18, Murucutumbu_22, Mutzi_32, Mynx_22, Naca_23, Nadeem_21, NadineRae_40, Naiad_22, Nairb_18, Nancinator_22, NancyRae_21, Nanosmite_31, NatB6_40, Natkenzie_34, Natosaleda_22, NearlyHeadless_23, Nebulosus_29, Nedarya_28, Neobush_18, Nergal_21, Nettuno_16, Netyap_17, Nibb_21, Nicholas_18, Nicholasp3_17, Nikao_18, Niklas_22, NoShow_17, Nordenberg_28, Norvs_48, NosilaM_43, NovumRegina_40, Nubi_30, Nutello_18, Nyceirae_22, Nymphadora_18, OBUpride_21, ODay_23, ObLaDi_18, Obliviate_17, OctaviousRex_17, OhShagHennessy_17, Ohgeesy_18, OkiRoe_20, Olga_17, OmniCritical_23, Omnicron_20, OneDirection_16, OneUp_41, Oofda_30, Oregano_19, Oscar_21, Outis_41, P1201_46, P3MA_18, PCoral7_18, PP_36, PSonyx_16, PYPDinur_17, Pace1224_17, Padfoot_22, Padpat_22, Paito_17, PantheRoc_18, Paola_20, Parada_21, Paries_36, Partridge_22, Patio_43, Patt_23, Peanam_22, Peeb_17, Peel_22, PegLeg_27, Pepperoni_16, Periodt_17, PeteyPab_32, Petra_20, PetterN_24, PhailMary_21, Pharb_21, Phauci_25, PhelpsODU_21, Phendrix_86, Phillis_23, Phinally_32, PhinkBoden_47, Phish_17, Phishy_21, Phlop_30, Phlorence_23, Phomeo_39, PhorbesPhlower_17, Phrank_21, Phrankenstien_22, Phreak_17, PhriskyACE_18, PhrostedPhlake_19, Piatt_22, Pickett_16, PickleBack_23, Pimento_22, PinkCoffee_32, PinkYoshi_17, Pinnie_18, Pipp_18, Pixie_21, Plagueis_17, Pleakley_49, Pokerus_21, Pollux_19, Polly_18, Polyuyki_44, Portcullis_30, Posh_19, PotatoChip_33, Poushou_18, Powerball_18, PrincePatrick_18, Prithvi_22, Psycho_20, PullumCavea_30, Puppies_17, Pytheas_19, Quby_17, QuincyRose_21, REQ2_19, REQ3_49, RER2_15, RGL3_15, Rabbs_17, Ramen_22, Rando14_20, Rapunzel97_22, Rasputin_22, RavenCo17_16, ReMo_29, Reindeer_25, Rem711_24, Remus_29, Remy19_17, Renaissance_17, Reptar3000_23, RexFury_22, Rey_31, Reyja_18, Rhodalysa_22, Ribeye_34, Richo_22, RiverRaider_34, RoadKill_29, Roary_23, Rofo_34, RogerDodger_33, RonRayGun_18, Rosalind_29, Rose5_17, Rosmarinus_22, Rumpelstiltskin_17, Ruthiejr_22, Ruthy_18, Sahara_16, Saintus_23, Salvador_30, SamScheppers_21, Samba_18, Samman98_19, Sampson_34, Samty_18, SamuelLPlaqson_22, Sanjuju_32, Santhid_17, Sapo_15, Saronaya_33, Sarshaun_17, Savage_16, Savbucketdawg_30, Scarlett_21, Schiebel_17, SchottB_32, Scioto_34, Scorpia_24, Sedona_34, Sekhmet_19, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShayRa_30, ShedlockHolmes_21, Sheng711_17, ShiaSurprise_22, Shinji_30, Shivanishola_35, Shlim410_19, Shuman_22, Sidious_18, Silverleaf_17, SirPhilip_21, Sitar_34, Sixama_98, Sizemore_17, Skinny_28, Skysand_42, Slarp_23, Sleepyhead_17, SlimJimmy_26, Slimphazie_22, Smeadley_23, SmokingBunny_30, Smoothie_48, Sneeze_17, Snenia_18, SoSeph_20, Soap141_17, SoilAssassin_16, Soups_29, Sparky_15, SpeedDemon_310, Spock_22, Sproutie_16, StCroix_22,

StarStruck_41, Stargaze_17, Stephig9_23, Stickynote_32, Stinson_22, StorminNorm_33, Strobilo_18, Strosahl_29, Stultus_32, Suerte_17, Sukkupi_42, Sulley_22, Sunflower1121_20, Sunhee_25, SuperSulley_41, Suscepit_18, Swann_22, Sweets_17, Swirley_23, Switzerland_29, SydNat_23, Syra333_21, TBond007_21, TClif_21, TM4_18, TPA4_18, TWAMP_22, Tachez_22, Taheera_17, TaiwanKao_23, Takoda_22, Tangent_34, Tangerine_33, Taquito_21, Tardus_35, Tarynearal_22, Tarzan_17, Tayonia_18, Terror_17, ThankyouJordi_17, Theia_21, Thimann_19, Thing3_33, Thyatira_20, Tiamoceli_32, Tierra_21, Tiger_23, TillyBobJoe_30, TimTam_18, TingHuaYa_22, TiniBug_22, TinyDot_18, Tiri_22, Toast_18, Togo_30, TomBrady_17, Toniann_47, Topper_22, Torres_18, TouchMeNot_18, Tourach_17, Tracker_40, TreyKay_22, TribbleTrouble_20, Trine_17, TruffulaTree_22, Trumpet_18, TuertoX_16, Turuncu_44, Twigg_23, Twinkle_19, Twister6_32, Twitch_22, Twonlo_29, TyDawg_27, Tycho_33, Typha_23, Tyson_17, UPIE_17, Ubuntu_21, UhSalsa_22, UmaThurman_18, Unicorn_21, UnionJack_23, Upyo_17, Urkel_22, Utz_18, Valary_33, Validus_22, VanDeWege_33, VanLee_19, Vasanti_16, Veliki_22, Verity_33, Vetric_17, ViaConlectus_34, Vivi2_36, Vordorf_21, Waits_29, Walrus_19, Wamburgrxpress_17, Waterfoul_20, Webster2_21, Weirdo19_18, WelcomeAyanna_17, Wendigo_17, Whack_17, WheatThin_21, Wheezy_40, Whirlwind_19, Whiteclaw_16, Whitty_18, WhoseManz_42, Widow_17, Wigglewiggles_17, Wilder_17, WilliamBoone_47, William_18, WinkNick_19, Winky_17, Wintermute_23, Wishmaker_21, Wisp_17, Wizard_30, Wocket_19, Wrigley_19, Wyatt2_17, Ximenita_22, Y10_23, Y2_23, Yeet412_16, Yeezy_19, Yndexa_42, Yogi_22, Yoncess_22, YorkOnyx_34, YoureAdopted_21, Yuna_22, YungMoney_32, Yunkel11_22, Yvonnestic_44, Zabiza_22, Zakai_17, Zameen_18, Zarbodnamra_18, Zaria_17, Zavala_22, ZenTime222_18, ZhongYanYuan_16, ZiggyZoo_17, Zion_33, Zipp_33, Zirinka_18, Zitch_35, ZoMa_17, ZoeJ_18, Zolita_22, Zombie_17,

Summary by start number:

Start 15:

- Found in 3 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 66.7% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 18:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 19:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7),

Start 21:

- Found in 231 of 1242 (18.6%) of genes in pham
- Manual Annotations of this start: 217 of 1120
- Called 99.1% of time when present

• Phage (with cluster) where this start called: ActinUp_22 (K1), Adephegia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Binglebops_18 (K1), Blizzard_22 (K1), Boiiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAlll_0017 (G1), Dalmuri_22 (K1), Darionha_17 (G1), DARTH_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hurricane_21 (K3), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1), Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), Keshu_21 (K3), KiSi_21 (K1), Kraw_24 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), LeMond_21 (K1), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MacnCheese_22 (K3), Maliketh_17 (G1), Malthus_24 (K4), MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), Pharb_21 (K3), PhelpsODU_21 (K6), Phish_17 (G1), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pixie_21 (K3), Plagueis_17 (G1), Pokerus_21 (K1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richo_22 (K1), Rosmarinus_22 (K1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), ShedlockHolmes_21 (K3), ShiaSurprise_22 (K1), SirPhilip_21 (K6), Sizemore_17 (G1), Slarp_23 (K4), Slimphazie_22 (K1), Sneeze_17 (G1), Spock_22 (K1), Stargaze_17 (G5), Stinson_22 (K1), Sulley_22 (K1), Sunflower1121_20 (K6), Sweets_17 (G1), Syra333_21 (K6), TBond007_21 (K3), TClif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Terror_17 (G1), Tierra_21 (K6), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TribbleTrouble_20 (K3), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 22:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 23:

- Found in 10 of 1242 (0.8%) of genes in pham
- Manual Annotations of this start: 10 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_18 (K2), DismalFunk_18 (K2), DismalStressor_18 (K2), Findley_18 (K2), Marcoliusprime_18 (K2), Milly_18 (K2), Mufasa_18 (K2), Strobilo_18 (K2), TM4_18 (K2), ZoeJ_18 (K2),

Start 24:

- Found in 6 of 1242 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB),

Start 26:

- Found in 23 of 1242 (1.9%) of genes in pham
- Manual Annotations of this start: 22 of 1120
- Called 95.7% of time when present
- Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), Collard_20 (K5), Dadosky_20 (K5), Edugator_19 (K5), Feyre_20 (K5), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), Miryou_20 (K5), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Thyatira_20 (K5), Waterfoul_20 (K5),

Start 31:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 33:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Nergal_21 (AG),

Start 34:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P3MA_18 (singleton), TPA4_18 (singleton),

Start 36:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_16 (singleton),

Start 40:

- Found in 27 of 1242 (2.2%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 14.8% of time when present
- Phage (with cluster) where this start called: 32HC_25 (Z), JustASigh_17 (AH), Rem711_24 (Z), Weirdo19_18 (AH),

Start 41:

- Found in 6 of 1242 (0.5%) of genes in pham
- Manual Annotations of this start: 5 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Hilltopfarm_23 (Y), MalagasyRose_23 (AG), Typha_23 (Y),

Start 42:

- Found in 24 of 1242 (1.9%) of genes in pham
- Manual Annotations of this start: 22 of 1120
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_21 (Q), Daegal_22 (Q), DeepSoil15_21 (Q), Dewey_21 (Q), Ein37_21 (Q), Evanesce_21 (Q), Forge_21 (Q), Gancho_20 (Q), Giles_21 (Q), Gravaillia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), LilHazelnut_21 (Q), Luke_21 (Q), Luna22_21 (Q), OBUpride_21 (Q), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 47:

- Found in 17 of 1242 (1.4%) of genes in pham
- Manual Annotations of this start: 17 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GrandSlam_21 (DI), Hamood_21 (DI), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Pimento_22 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 54:

- Found in 92 of 1242 (7.4%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Farewell_15 (AF), Sparky_15 (AF),

Start 60:

- Found in 23 of 1242 (1.9%) of genes in pham
- Manual Annotations of this start: 10 of 1120
- Called 43.5% of time when present
- Phage (with cluster) where this start called: Acquire49_17 (L1), Appletree2_17 (L1), Calm_17 (L1), CicholasNage_17 (L1), JoeDirt_17 (L1), LeBron_17 (L1), Rabbitrun_29 (DU2), UPIE_17 (L1), Wyatt2_17 (L1), Zaria_17 (L1),

Start 61:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_27 (singleton),

Start 62:

- Found in 7 of 1242 (0.6%) of genes in pham
- Manual Annotations of this start: 7 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_18 (T), Ibrahim_18 (T), Mendokysei_17 (T), Nairb_18 (T), RonRayGun_18 (T), Whitty_18 (T), ZenTime222_18 (T),

Start 63:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_29 (DE5), Reindeer_25 (M1),

Start 64:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_88 (DK), Phendrix_86 (DK),

Start 65:

- Found in 35 of 1242 (2.8%) of genes in pham
- Manual Annotations of this start: 19 of 1120
- Called 54.3% of time when present
- Phage (with cluster) where this start called: Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhane7_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), Skinny_28 (M1), SlimJimmy_26 (M1), TyDawg_27 (M1),

Start 66:

- Found in 3 of 1242 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sunhee_25 (A14),

Start 68:

- Found in 53 of 1242 (4.3%) of genes in pham
- Manual Annotations of this start: 45 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), Ashertheman_34 (DE1), Baddon_33 (DE1), Barsten_34 (DE1), Baumdotcom_33 (DE1), Bibwit_33 (DE1), Bizzy_34 (DE1), BobBob_31 (DE1), Brandonk123_35 (DE1), ChadMasterC_34 (DE1), Charming_34 (DE1), Derg_31 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gustavo_33 (DE1), JKSyngboy_31

(DE1), Jabberwocky_32 (DE1), Kamashten_33 (DE1), Keitabear_34 (DE1), Kewpiedoll_33 (DE1), Kroos_34 (DE1), Kwobi_34 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), PP_36 (A7), Paries_36 (DE1), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), StorminNorm_33 (DE1), Stultus_32 (DE1), Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1), Tycho_33 (DE1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 70:

- Found in 30 of 1242 (2.4%) of genes in pham
- Manual Annotations of this start: 24 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE), Chickadee_31 (DE3), Delrey21_33 (DE4), Dextert_32 (DE3), DoctorFroggo_33 (DE4), EMOore_30 (DE2), EdmundFerry_30 (DE3), GMA2_29 (DS), GTE6_31 (DE3), Hans_34 (DE2), Inspectinfecti_33 (DE2), Kwekel_31 (DE3), Leonard_32 (DE2), MelBins_33 (DE2), Natkenzie_34 (DE4), Phauci_25 (DE2), Phinally_32 (DE2), RoadKill_29 (DE3), Sampson_34 (DE4), Scioto_34 (DE4), Tardus_35 (DE4), Tiamoceli_32 (DE3), Twonlo_29 (DE3), Verity_33 (DE4), ViaConlectus_34 (DE4), Zipp_33 (DE4), Zitch_35 (DE4),

Start 71:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LoneWolf_28 (A9),

Start 72:

- Found in 277 of 1242 (22.3%) of genes in pham
- Manual Annotations of this start: 238 of 1120
- Called 97.5% of time when present
- Phage (with cluster) where this start called: 20ES_27 (A2), 40AC_30 (A17), AN3_27 (A2), AN9_30 (A2), ANI8_30 (A2), AbbyPaige_29 (A2), Acolyte_27 (A2), Adzzy_28 (A2), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), BABullseye_30 (A6), BabyBack_29 (A2), Bachome_27 (A11), Bactobuster_28 (A2), Baehexic_28 (A2), Beelzebub_53 (S), Beemo_28 (A9), BengiVuitton_28 (A2), Benvolio_27 (A2), BiancaTri92_29 (A2), Blackbeetle_49 (S), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BogosyJay_28 (A9), Bowtie_27 (A11), Bradman_26 (A2), Bud_27 (A11), Buggy_29 (A2), C3_25 (A2), CRB1_27 (A2), Candra_30 (A6), Caprice_46 (S), Caraxes_26 (A2), Catalina_28 (A9), Centaur_29 (A2), Changeling_29 (A2), Chargerpower_27 (A), Charm_27 (A9), Chartreuse_30 (A6), Che12_29 (A2), ChipMunk_29 (A2), Clarkson_50 (S), CloudWang3_30 (A6), Colin_31 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Corazon_47 (S), Crucio_27 (A2), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DaVinci_30 (A6), Dalmatian_27 (A2), Darrell_29 (A9), DARTHPhader_28 (A12), Deloris_28 (A2), Dignity_29 (A2), Dorothea_30 (A6), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), Duplo_30 (A2), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echild_27 (A2), EdogawaKiddo_26 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), EmyBug_28 (A9), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Fameo_27 (A2), Fayely_28 (A9), FeliMaine_49 (S), Fibonacci_27 (A11), FiringLine_27 (A2),

First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), Gail_26 (A14), Garak_31 (A6), Gattaca_48 (S), GaugeLDP_29 (A2), Georgie2_28 (A2), Gilberta_27 (A11), Gladiator_30 (A6), GreedyLawyer_30 (A6), Gruunaga_30 (A6), Hammer_30 (A6), Hanray_27 (A9), HarryHoudini_29 (A2), Heffalump_29 (A2), Helmet_31 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), Holec_27 (A9), Hoot_30 (A6), HortumSL17_28 (A9), Huphlepuuff_51 (S), Hutc2_27 (A11), Indra_30 (A6), Insomnia_27 (A11), IronMan_29 (A2), Isiphiwo_30 (A6), Iwokeuplikedis_28 (A2), Jaan_30 (A2), Jabith_27 (A11), Jeeves_26 (A14), Jeffabunny_30 (A6), Jerm_29 (A2), JewelBug_30 (A6), Jiawan_27 (A9), JoieB_50 (S), Jordennis_30 (A6), Joselito_27 (A11), JoshKayV_29 (A2), Journey13_25 (A2), Jsquared_26 (A2), Kalpine_30 (A2), Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), KingCyrus_29 (A2), Kinmap_27 (A21), Kipper29_30 (A6), Koduck_27 (A2), Koko_30 (A6), Kudrefre_26 (DU1), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2), Larenn_28 (A2), Leogania_29 (A2), Leviathan_29 (A2), LilTurb_29 (A2), Lilbit_50 (S), Lilbunny_30 (A6), Lilleskat_26 (A9), LittleLaf_49 (S), Lökk_30 (A2), Loser_30 (A2), Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), MaCh_27 (A11), Mabel_27 (A11), MajorMajor_26 (A2), Malec_28 (A2), Maminina_28 (A9), Marvin_47 (S), McFly_30 (A6), MiculUcigas_27 (A2), Miko_30 (A2), MissWhite_27 (A2), MosMoris_47 (S), Mulciber_27 (A11), Munch_27 (A11), Myxus_28 (A9), NaSiaTalie_27 (A2), Naji_30 (A2), Neeharika16_30 (A6), Neville_27 (DU2), Newrala_30 (A6), NicoleTera_31 (A2), NothingSpecial_29 (A2), Octobien14_27 (DU1), Odin_26 (A2), Onglai_27 (A9), Orange_27 (A11), PackMan_28 (A9), PainterBoy_28 (A16), Petersenfast_26 (A11), Ph8s_28 (A2), Phaded_30 (A2), Phaeder_28 (A9), Pharaoh_27 (A12), Phlei_22 (A13), Phonnegut_28 (A9), Pioneer_28 (A9), Piro94_28 (A2), Pmask_30 (A6), Poise_49 (S), Pomar16_30 (A2), Power_27 (A2), Priamo_30 (A6), Pringar_49 (S), Priya_28 (A9), Pukovnik_29 (A2), Qobbit_28 (A9), QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2), Raela_49 (S), Rahalelujah_26 (A9), RedRaider77_49 (S), RedRock_30 (A2), Refuge_30 (A12), Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), RyeScarlet_29 (A9), Sachima_26 (A9), Salz_27 (A11), Scherzo_28 (A9), SemperFi_29 (A2), Sephiroth_27 (DU1), Serenity_26 (A2), Sham4_27 (A11), SheaKeira_27 (A9), Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11), SororFago_26 (A14), Spouty_28 (A9), StarStuff_30 (A2), Steamy_28 (A12), SuperAwesome_30 (A6), SuperCallie99_30 (A6), Superchunk_26 (A2), SweetiePie_27 (A2), SwirlSquare_29 (A2), Syleon_27 (DU1), TarsusIV_27 (A2), Tesla_48 (S), Timothy_27 (A11), TinyTimmy_27 (A11), TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6), Travvers_30 (A2), Trax_27 (DU2), Trixie_30 (A2), Trooper_27 (A2), Tubs_28 (A9), Tucker_30 (A6), Turbido_29 (A2), Ugenie5_25 (A9), Updawg_29 (A2), VA6_27 (A2), VC3_30 (A2), Vanisoa_26 (A9), VasuNzinga_49 (S), VohminGhazi_30 (A6), WeiHuaDA_33 (A2), Whabigail7_29 (A2), WideWale_29 (A2), Wiks_30 (A6), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9), Yokurt_30 (A6), Zaka_30 (A6), Zimmer_29 (A12), Zulu_30 (A6),

Start 75:

- Found in 114 of 1242 (9.2%) of genes in pham
- Manual Annotations of this start: 61 of 1120
- Called 71.1% of time when present
- Phage (with cluster) where this start called: Aegeus_17 (L5), Archie_17 (L2), AvadaKedavra_17 (L1), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Bellis_18 (L3), BigCheese_17 (L2), BobsGarage_17 (L2), BourbonZero_17 (L3), BrainDrainer_18 (L4), Breezona_17 (L2), Bromden_18 (L4), Chaser_17 (L4), Claus_17 (L2), Clautastrophe_18 (L3), Crossroads_17 (L2), DHan_17 (L2), DanBing_16 (L2), DirkDirk_17 (L1), Douge_17 (L4), Douzhi_17 (L4), DrSeegs_17

(L2), DuncansLeg_18 (L3), DyoEdafos_18 (L4), Ellson_18 (L3), Enceladus_17 (L1), Faith1_17 (L2), FarmResident_17 (L4), Finemlucis_17 (L2), Finnry_18 (L3), Gabriela_17 (L2), Gardann_17 (L2), GuuelaD_17 (L2), Hafay_17 (L2), Halena_17 (L1), Itos_17 (L2), Jobypre_18 (L3), Jubie_18 (L3), Kahlid_17 (L2), Kingsolomon_18 (L3), KirDoubleO7_16 (L3), Krypton555_18 (L3), Lewan_17 (L2), LilDestine_17 (L2), LiyuLake_18 (L3), Loadrie_17 (L2), Lolly9_18 (L3), Lumos_18 (L3), MAckerman_17 (L1), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MkaliMitinis3_17 (L2), Moostard_18 (L3), MsGreen_18 (L3), Nedarya_28 (A15), Netyap_17 (L2), Nicholas_18 (L3), Nicholasp3_17 (L2), OhShagHennessy_17 (L1), PYPDinur_17 (L4), Quby_17 (L4), REQ3_49 (singleton), Rose5_17 (L1), Rumpelstiltskin_17 (L2), Samty_18 (L3), Sarshaun_17 (L2), Silverleaf_17 (L1), Snenia_18 (L3), Soap141_17 (L2), Tourach_17 (L2), Tyson_17 (L1), Vetrix_17 (L2), Wamburgexpress_17 (L1), Whirlwind_19 (L3), Wigglewobble_17 (L2), Wilder_17 (L2), Winky_17 (L2), Zakai_17 (L2), ZhongYanYuan_16 (L2),

Start 76:

- Found in 21 of 1242 (1.7%) of genes in pham
- Manual Annotations of this start: 20 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_29 (A15), Anon_27 (A15), Battleship_30 (A15), Boohoo_29 (A15), DekHockey33_29 (A15), Epsocamisio_29 (A15), JSwag_29 (A15), KatherineG_29 (A15), LastResort_29 (A15), Looper_30 (A15), MinecraftSteve_30 (A15), Nebulosus_29 (A15), Oofda_30 (A15), ReMo_29 (A15), Remus_29 (A15), Rosalind_29 (A15), ShayRa_30 (A15), Soups_29 (A15), Strosahl_29 (A15), Switzerland_29 (A15), Waits_29 (A15),

Start 77:

- Found in 33 of 1242 (2.7%) of genes in pham
- Manual Annotations of this start: 29 of 1120
- Called 97.0% of time when present
- Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), CoveyB_33 (DC1), Danyall_32 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_31 (DC1), Halo3_31 (DC1), Jambalaya_30 (DC1), KimmyK_32 (DC1), Mutzi_32 (DC1), Nubi_30 (DC1), Phlop_30 (DC1), PinkCoffee_32 (DC1), Portcullis_30 (DC1), PullumCavea_30 (DC1), RogerDodger_33 (DC1), Salvador_30 (DC1), Savbucketdawg_30 (DC1), Shinji_30 (DC1), SmokingBunny_30 (DC1), TillyBobJoe_30 (DC1), Togo_30 (DC1), Twister6_32 (DC1), Valary_33 (DC1), VanDeWege_33 (DC1), Wizard_30 (DC1), YungMoney_32 (DC1),

Start 79:

- Found in 51 of 1242 (4.1%) of genes in pham
- Manual Annotations of this start: 49 of 1120
- Called 98.0% of time when present
- Phage (with cluster) where this start called: AgentM_23 (A5), Airmid_23 (A5), Aragog_23 (A5), Archetta_23 (A5), Astro_23 (A8), Benedict_23 (A5), Bluefalcon_22 (A5), Bonamassa_23 (A5), Chadwick_24 (A5), Conspiracy_23 (A5), Coog_23 (A5), Cuco_23 (A5), Danforth_22 (A8), Discoknowium_23 (A5), Dixon_23 (A8), Dublin_22 (A5), EITiger69_23 (A5), Expelliarmus_22 (A8), ForGetIt_23 (A5), George_22 (A5), Ghoulyboy_23 (A5), Groundhog_22 (A8), HuhtaEnerson15_23 (A5), Jabiru_23 (A5), Jovo_23 (A5), Lev2_23 (A5), LittleCherry_23 (A5), MarysWell_22 (A5), Micasa_23 (A5), Midas2_23 (A5), Milcery_23 (A5), Naca_23 (A5), NearlyHeadless_23 (A8), PetterN_24 (A5), Phillis_23 (A8), Phlorence_23 (A5), PickleBack_23 (A5), Roary_23

(A8), Saintus_23 (A8), Scorpia_24 (A5), Smeadley_23 (A8), Stephig9_23 (A8), Swirley_23 (A5), SydNat_23 (A5), Tarynearal_22 (A5), Theia_21 (A5), Tiger_23 (A5), Twigg_23 (A5), UnionJack_23 (A5), Zolita_22 (A5),

Start 80:

- Found in 136 of 1242 (11.0%) of genes in pham
- Manual Annotations of this start: 36 of 1120
- Called 27.9% of time when present
- Phage (with cluster) where this start called: Alatin_22 (CA), Alpacados_21 (CA), AngryOrchard_21 (CA), AppleCloud_20 (CA), Belenaria_22 (CA), BobbyDazzler_22 (CA), Bonanza_22 (CA), Bradshaw_22 (CA), Bryce_22 (CA), CosmicSans_22 (CA), Dinger_22 (CA), Erik_22 (CA), Espica_22 (CA), Gollum_22 (CA), Harlequin_22 (CA), Hiro_22 (CA), Jester_22 (CA), Krishelle_22 (CA), Lillie_22 (CA), Naiad_22 (CA), Nancinator_22 (CA), Natosaleda_22 (CA), Partridge_22 (CA), PhailMary_21 (CA), Phrankenstien_22 (CA), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), RexFury_22 (CA), Rhodalysa_22 (CA), Shuman_22 (CA), StCroix_22 (CA), Swann_22 (CA), TWAMP_22 (CA), Takoda_22 (CA), UhSalsa_22 (CA), Yogi_22 (CA), Yoncess_22 (CA),

Start 84:

- Found in 5 of 1242 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGGold_99 (DS), Boopy_100 (DS), Forza_100 (DS), Mareelih_98 (DS), Sixama_98 (DS),

Start 89:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_17 (singleton),

Start 94:

- Found in 12 of 1242 (1.0%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnestic_44 (DD),

Start 96:

- Found in 22 of 1242 (1.8%) of genes in pham
- Manual Annotations of this start: 9 of 1120
- Called 40.9% of time when present
- Phage (with cluster) where this start called: Bantam_29 (DL), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Mollymur_30 (DL), Norvs_48 (CQ1), Smoothie_48 (CQ1), SpeedDemon_310 (DL), WilliamBoone_47 (CQ1),

Start 97:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: OneUp_41 (CQ2),

Start 98:

- Found in 31 of 1242 (2.5%) of genes in pham
- Manual Annotations of this start: 6 of 1120
- Called 19.4% of time when present
- Phage (with cluster) where this start called: Barco_18 (CV), Guacamole_18 (CV), Lysidious_19 (CV), Melba_18 (CV), Pipp_18 (CV), Zarbodnamra_18 (CV),

Start 99:

- Found in 34 of 1242 (2.7%) of genes in pham
- Manual Annotations of this start: 9 of 1120
- Called 38.2% of time when present
- Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_45 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_49 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 100:

- Found in 228 of 1242 (18.4%) of genes in pham
- Manual Annotations of this start: 15 of 1120
- Called 6.6% of time when present
- Phage (with cluster) where this start called: Azula_20 (CV), Blueberry_20 (CV), Fairfaxidum_18 (CV), Fenry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), Murp_18 (CV), Nyceirae_22 (DT), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Toast_18 (CV), William_18 (CV),

Start 101:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sapo_15 (DA),

Start 102:

- Found in 35 of 1242 (2.8%) of genes in pham
- Manual Annotations of this start: 26 of 1120
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Archis_19 (CV), Begonia_19 (CV), BlingBling_18 (CV), Blino_18 (CV), CaptainKirk2_18 (CV), CarolAnn_18 (CV), Delian_18 (CV), Dogfish_20 (DT), Ewald_21 (DT), Frizzle_16 (DA), Ghobes_15 (DA), Hitter_18 (CV), JasperJr_18 (CV), KappaFarmDelta_18 (CV), Malachai_19 (CV), Mellie_17 (CV), Meyran_20 (DT), MintFen_18 (CV), Obliviate_17 (CV), Petra_20 (CV), Phishy_21 (DT), PhrostedPhlake_19 (CV), UmaThurman_18 (CV), Utz_18 (CV), Vordorf_21 (DT), Walrus_19 (CV), Wocket_19 (CV), ZiggyZoo_17 (CV),

Start 103:

- Found in 11 of 1242 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Archimedes_15 (DA),

Start 110:

- Found in 72 of 1242 (5.8%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 4.2% of time when present

- Phage (with cluster) where this start called: Frokostdame_18 (CV), Sheng711_17 (L4), Wisp_17 (CV),

Start 115:

- Found in 9 of 1242 (0.7%) of genes in pham
- Manual Annotations of this start: 8 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: C3PO_30 (EN), Cruella_30 (EN), Darwin_33 (EN), Kimchi1738_30 (EN), P1201_46 (singleton), PeteyPab_32 (EN), PotatoChip_33 (EN), Stickynote_32 (EN), Zion_33 (EN),

Start 117:

- Found in 1 of 1242 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: REQ2_19 (singleton),

Start 119:

- Found in 153 of 1242 (12.3%) of genes in pham
- Manual Annotations of this start: 3 of 1120
- Called 2.0% of time when present
- Phage (with cluster) where this start called: Colleen_18 (EO), Poushou_18 (EO), TouchMeNot_18 (EO),

Start 120:

- Found in 51 of 1242 (4.1%) of genes in pham
- Manual Annotations of this start: 43 of 1120
- Called 90.2% of time when present
- Phage (with cluster) where this start called: Adora_19 (CZ4), Attis_16 (CZ2), Beenie_19 (CZ4), Bjaner7_16 (CZ2), Clap_16 (CZ2), Clark_19 (CZ4), Cynthia_16 (CZ2), Denise_16 (CZ5), Dolores_19 (CZ4), Dorito_18 (CZ4), Easley_19 (CZ4), Ebert_16 (CZ2), EdnaMode_16 (CZ2), Faith5x5_16 (CZ6), GemG_16 (CZ2), Gizermo_16 (CZ2), Haley23_16 (CZ2), Hortense_19 (CZ4), Howe_19 (CZ4), JCole_16 (CZ2), Lamberg_16 (CZ2), LordFarquaad_16 (CZ2), Lton_16 (CZ), Matteo_16 (CZ2), Mcklovin_19 (CZ4), MichaelScott_19 (CZ4), Mocha12_16 (CZ2), Moosehead_16 (CZ6), Nettuno_16 (CZ2), OneDirection_16 (CZ6), Oregano_19 (CZ4), Pepperoni_16 (CZ), PhriskyACE_18 (CZ4), Pickett_16 (CZ2), Sahara_16 (CZ2), Samman98_19 (CZ4), Savage_16 (CZ2), Sekhmet_19 (CZ4), Shlim410_19 (CZ4), SoilAssassin_16 (CZ2), Sproutie_16 (CZ2), TueritoX_16 (CZ2), Vasanti_16 (CZ2), Whiteclaw_16 (CZ2), WinkNick_19 (CZ4), Yeet412_16 (CZ2),

Start 121:

- Found in 49 of 1242 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 2.0% of time when present
- Phage (with cluster) where this start called: Arianna_18 (EO),

Start 122:

- Found in 5 of 1242 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Eyre_16 (singleton), Mbo4_16 (singleton), RavenCo17_16 (CZ8),

Start 124:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gudmit_17 (singleton),

Start 126:

- Found in 11 of 1242 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 1120
- Called 54.5% of time when present
- Phage (with cluster) where this start called: Apiary_44 (CR), Braxoaddie_44 (CR), ChewyVIII_55 (singleton), CoffeeBean_44 (CR), Maselop_44 (CR), Polyuyuki_44 (CR),

Start 128:

- Found in 1 of 1242 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSonyx_16 (singleton),

Start 129:

- Found in 48 of 1242 (3.9%) of genes in pham
- Manual Annotations of this start: 24 of 1120
- Called 58.3% of time when present
- Phage (with cluster) where this start called: Arti_40 (CR2), Dalilpop_45 (CR1), Emianna_40 (CR2), Ennea_46 (CR3), Flapper_44 (CR1), Float294_42 (CR3), Foxboro_41 (CR2), Fury_49 (CR5), GRU1_30 (CR1), GTE5_31 (CR1), GTE8_29 (CR2), GrootJr_42 (CR2), Jifall16_39 (CR2), KidneyBean_40 (CR2), Kurt_40 (CR2), Lollipop1437_45 (CR3), MerCougar_41 (CR2), NatB6_40 (CR2), NovumRegina_40 (CR2), Outis_41 (CR2), Patio_43 (CR3), Phomeo_39 (CR2), Pleakley_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 130:

- Found in 76 of 1242 (6.1%) of genes in pham
- Manual Annotations of this start: 36 of 1120
- Called 51.3% of time when present
- Phage (with cluster) where this start called: Agueybana_18 (CZ1), AlumE_18 (CZ1), Annalisa_19 (CZ4), Antonio_18 (CZ1), BatStarr_18 (CZ1), BaxterFox_17 (CZ3), Bialota_18 (CZ1), Bosnia_18 (CZ1), BoyNamedSue_18 (CZ1), Bunnybear_17 (CZ), DobbysSock_18 (CZ4), Eudoria_18 (CZ1), Eviarto_18 (CZ1), Herod_18 (CZ1), Hugley_18 (CZ1), Hyzer_18 (CZ1), Kita_18 (CZ1), Madeline_18 (CZ1), Manasvini_18 (CZ1), Maridalia_17 (CZ1), Neobush_18 (CZ1), Nymphadora_18 (CZ1), Ohgeesy_18 (CZ), PantheRoc_18 (CZ3), Polly_18 (CZ1), Powerball_18 (CZ4), Sidious_18 (CZ7), Suerte_17 (CZ4), Suscepit_18 (CZ1), Tayonia_18 (CZ1), ThankyouJordi_17 (CZ1), Thimann_19 (CZ4), TimTam_18 (CZ1), Trumpet_18 (CZ1), Twinkle_19 (CZ4), WelcomeAyanna_17 (CZ1), Yeezy_19 (CZ3), Zameen_18 (CZ1), Zirinka_18 (CZ1),

Start 131:

- Found in 12 of 1242 (1.0%) of genes in pham
- Manual Annotations of this start: 11 of 1120
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Aleemily_18 (DZ), Bonum_43 (CR2), Buggaboo_41 (CR2), Cafasso_18 (DZ), Commandaria_42 (CR2), Kabluna_43 (CR2), ModicumRichard_18 (DZ), Morgana_18 (DZ), NosilaM_43 (CR2), ObLaDi_18 (DZ), SuperSulley_41 (CR2), VanLee_19 (singleton),

Start 133:

- Found in 10 of 1242 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Jace_16 (singleton),

Start 136:

- Found in 7 of 1242 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 14.3% of time when present
- Phage (with cluster) where this start called: TinyDot_18 (singleton),

Start 137:

- Found in 10 of 1242 (0.8%) of genes in pham
- Manual Annotations of this start: 8 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_43 (CR4), Finkle_18 (singleton), GMA1_18 (singleton), HubbaBubba_39 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 138:

- Found in 26 of 1242 (2.1%) of genes in pham
- Manual Annotations of this start: 25 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Angelique_19 (CY1), BearBQ_18 (DN), BeeGee_19 (CY), Birdsong_18 (DN), Bradissa_19 (CY1), BritBrat_19 (CY2), Cashline_19 (CY), Confidence_19 (CY1), EMsquaredA_19 (CY1), Ecliptus_23 (DN), EnalisNailo_19 (CY1), Floral_19 (CY1), Jablanski_19 (CY), Kuwabara_18 (DN4), Lilas_19 (CY1), LonelyBoi_19 (CY), Lucky10_17 (DH), Marteena_19 (CY1), Morkie_17 (DH), MortyNRick_18 (DN), ODay_23 (DN), PhorbesPhlower_17 (DH), Pollux_19 (CY1), Posh_19 (CY), Pytheas_19 (CY), Wrigley_19 (CY),

Start 142:

- Found in 15 of 1242 (1.2%) of genes in pham
- Manual Annotations of this start: 13 of 1120
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DonkeyMan_17 (DY), Gustav_17 (CD), Heinz_18 (DY), Hibiscus_17 (DY), Jojo24_17 (DY), Mahdia_17 (CD), Malibo_19 (DW), Morrissey_18 (CD), Puppies_17 (CD), Reyja_18 (DY), Santhid_17 (DY), Tarzan_17 (DY), Trine_17 (CD), Upyo_17 (CD), Widow_17 (CD),

Start 146:

- Found in 22 of 1242 (1.8%) of genes in pham
- No Manual Annotations of this start.
- Called 4.5% of time when present
- Phage (with cluster) where this start called: GAL1_19 (singleton),

Start 152:

- Found in 133 of 1242 (10.7%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 0.8% of time when present
- Phage (with cluster) where this start called: EmiRose_16 (singleton),

Start 154:

- Found in 136 of 1242 (11.0%) of genes in pham
- Manual Annotations of this start: 2 of 1120
- Called 1.5% of time when present
- Phage (with cluster) where this start called: GuyFagieri_44 (CR), MacGully_49 (CR),

Start 233:

- Found in 2 of 1242 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1120
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Whack_17 (singleton),

Summary by clusters:

There are 96 clusters represented in this pham: G5, G4, G3, G2, G1, CQ2, CQ1, T, X, DC2, DC1, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, M1, M3, M2, EO, EN, S, CR2, CR3, CR1, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, DN4, DU1, DU2, CA, CD, CZ, CY, CR, Z, CV, A20, A21, DN, DL, DK, DH, DI, DD, DE, DA, DZ, DY, DW, DT, DS, A15, A14, A17, A16, A11, A13, A12, A2, A5, A7, A6, A9, A8, A, CY2, CY1, AB, AG, AF, AH, Q, L4, L5, L2, L3, L1, Y,

Info for manual annotations of cluster A:

- Start number 72 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A11:

- Start number 72 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 72 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 72 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 75 was manually annotated 1 time for cluster A15.
- Start number 76 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 72 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 72 was manually annotated 102 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 72 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A5:

- Start number 79 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 72 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 68 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 79 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 71 was manually annotated 1 time for cluster A9.
- Start number 72 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 24 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 54 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 33 was manually annotated 1 time for cluster AG.
- Start number 41 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:

- Start number 40 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CA:

- Start number 80 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 142 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 96 was manually annotated 4 times for cluster CQ1.
- Start number 99 was manually annotated 8 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 97 was manually annotated 1 time for cluster CQ2.
- Start number 99 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 126 was manually annotated 5 times for cluster CR.
- Start number 154 was manually annotated 2 times for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 129 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 129 was manually annotated 14 times for cluster CR2.
- Start number 131 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 129 was manually annotated 5 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 137 was manually annotated 7 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 129 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CV:

- Start number 98 was manually annotated 6 times for cluster CV.
- Start number 100 was manually annotated 14 times for cluster CV.
- Start number 102 was manually annotated 21 times for cluster CV.
- Start number 110 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CY:

- Start number 138 was manually annotated 7 times for cluster CY.

Info for manual annotations of cluster CY1:

- Start number 138 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 138 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CZ:

- Start number 120 was manually annotated 1 time for cluster CZ.
- Start number 130 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 130 was manually annotated 25 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 120 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 130 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 120 was manually annotated 15 times for cluster CZ4.
- Start number 130 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 120 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 120 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 130 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 122 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 101 was manually annotated 1 time for cluster DA.
- Start number 102 was manually annotated 1 time for cluster DA.
- Start number 103 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DC1:

- Start number 77 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 77 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 94 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 68 was manually annotated 44 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 70 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 70 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 70 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 63 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

- Start number 138 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 47 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 64 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 96 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 138 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN4:

- Start number 138 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:

- Start number 84 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 100 was manually annotated 1 time for cluster DT.
- Start number 102 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 72 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 60 was manually annotated 1 time for cluster DU2.
- Start number 72 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 47 was manually annotated 2 times for cluster DW.
- Start number 142 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 142 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster DZ:

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

Info for manual annotations of cluster EN:

- Start number 115 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 119 was manually annotated 3 times for cluster EO.
- Start number 121 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster G1:

- Start number 21 was manually annotated 60 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 15 was manually annotated 1 time for cluster G2.
- Start number 22 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 21 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 21 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 21 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 21 was manually annotated 103 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 23 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 21 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 21 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 26 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 21 was manually annotated 22 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 19 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 18 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 60 was manually annotated 9 times for cluster L1.
- Start number 75 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 75 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 75 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 75 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 75 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 63 was manually annotated 1 time for cluster M1.
- Start number 65 was manually annotated 12 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 65 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 65 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:

- Start number 42 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 72 was manually annotated 16 times for cluster S.

Info for manual annotations of cluster T:

- Start number 62 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:

- Start number 31 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 41 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 40 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 72

Candidate Starts for 20ES_27:

(Start: 72 @19219 has 238 MA's), (104, 19273), (140, 19312), (258, 19528), (301, 19594), (331, 19633), (334, 19636), (461, 19864), (479, 19897), (517, 19999), (527, 20020), (555, 20074), (563, 20086), (612, 20176),

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 40

Candidate Starts for 32HC_25:

(9, 17579), (39, 17867), (Start: 40 @17876 has 2 MA's), (51, 17915), (Start: 77 @17960 has 29 MA's), (189, 18167), (252, 18287), (327, 18401), (362, 18461), (482, 18668), (621, 18968),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 72

Candidate Starts for 40AC_30:

(Start: 72 @21412 has 238 MA's), (118, 21487), (140, 21505), (155, 21541), (174, 21580), (274, 21757), (301, 21787), (331, 21826), (334, 21829), (421, 21985), (517, 22192), (555, 22267), (563, 22279), (612, 22369),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 24

Candidate Starts for 8UZL_20:

(Start: 24 @14891 has 4 MA's), (30, 14939), (Start: 72 @15047 has 238 MA's), (Start: 80 @15056 has 36 MA's), (Start: 121 @15125 has 1 MA's), (132, 15137), (143, 15152), (211, 15299), (275, 15407), (334, 15482), (338, 15491), (357, 15527), (412, 15596), (437, 15638), (482, 15683), (488, 15692), (509, 15749), (557, 15854), (615, 15965),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 72

Candidate Starts for AN3_27:

(Start: 72 @19197 has 238 MA's), (104, 19251), (140, 19290), (174, 19365), (258, 19506), (301, 19572), (331, 19611), (334, 19614), (461, 19842), (511, 19962), (517, 19977), (555, 20052), (563, 20064), (578, 20088), (612, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 72

Candidate Starts for AN9_30:

(Start: 72 @19185 has 238 MA's), (104, 19239), (118, 19260), (140, 19278), (235, 19449), (301, 19560), (331, 19599), (334, 19602), (357, 19647), (408, 19737), (511, 19950), (517, 19965), (555, 20040), (563, 20052), (578, 20076), (612, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 72

Candidate Starts for ANI8_30:

(Start: 72 @19185 has 238 MA's), (104, 19239), (118, 19260), (140, 19278), (235, 19449), (301, 19560), (331, 19599), (334, 19602), (357, 19647), (408, 19737), (511, 19950), (517, 19965), (555, 20040), (563, 20052), (578, 20076), (612, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 70

Candidate Starts for APunk_35:

(Start: 70 @29234 has 24 MA's), (149, 29357), (165, 29393), (209, 29495), (237, 29549), (274, 29621), (321, 29684), (326, 29693), (363, 29750), (377, 29783), (411, 29816), (412, 29819), (488, 29936), (501, 29972), (514, 30005), (517, 30014), (528, 30035), (541, 30062), (556, 30092), (559, 30098), (580, 30131), (582, 30134), (609, 30188), (616, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 70

Candidate Starts for Abblin_34:

(Start: 70 @29777 has 24 MA's), (116, 29852), (123, 29864), (149, 29900), (165, 29936), (209, 30038), (237, 30092), (274, 30164), (321, 30227), (326, 30236), (363, 30293), (377, 30326), (411, 30359), (412, 30362), (455, 30419), (501, 30515), (514, 30548), (517, 30557), (528, 30578), (541, 30605), (552, 30626), (556, 30635), (559, 30641), (580, 30674), (582, 30677), (609, 30731), (616, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 72

Candidate Starts for AbbyPaige_29:

(Start: 72 @19684 has 238 MA's), (118, 19759), (140, 19777), (155, 19813), (174, 19852), (301, 20059), (331, 20098), (334, 20101), (376, 20188), (479, 20368), (517, 20470), (555, 20545), (563, 20557),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 99

Candidate Starts for Abscondus_46:

(Start: 96 @28434 has 9 MA's), (Start: 99 @28440 has 9 MA's), (Start: 130 @28488 has 36 MA's), (150, 28515), (185, 28587), (239, 28683), (302, 28791), (365, 28884), (388, 28908), (407, 28923), (473, 29019), (499, 29067), (599, 29247), (614, 29283),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 72

Candidate Starts for Acolyte_27:

(Start: 72 @19734 has 238 MA's), (140, 19827), (155, 19863), (174, 19902), (301, 20109), (331, 20148), (334, 20151), (357, 20196), (408, 20286), (461, 20379), (517, 20514), (555, 20589), (563, 20601), (578, 20625), (612, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 60

Candidate Starts for Acquire49_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 21

Candidate Starts for ActinUp_22:

(Start: 21 @16020 has 217 MA's), (48, 16137), (Start: 100 @16227 has 15 MA's), (108, 16248), (Start: 119 @16269 has 3 MA's), (141, 16296), (274, 16551), (336, 16632), (373, 16707), (390, 16722), (482, 16833), (500, 16875), (536, 16968), (548, 16992), (601, 17085), (617, 17124), (622, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 21

Candidate Starts for Adephagia_22:

(Start: 21 @16017 has 217 MA's), (48, 16134), (Start: 100 @16224 has 15 MA's), (108, 16245), (Start: 119 @16266 has 3 MA's), (141, 16293), (274, 16548), (336, 16629), (373, 16704), (390, 16719), (482, 16830), (500, 16872), (536, 16965), (548, 16989), (601, 17082), (617, 17121), (622, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 21

Candidate Starts for Adonis_22:

(Start: 21 @16023 has 217 MA's), (48, 16140), (Start: 100 @16230 has 15 MA's), (108, 16251), (Start: 119 @16272 has 3 MA's), (141, 16299), (274, 16554), (336, 16635), (373, 16710), (390, 16725), (482, 16836), (500, 16878), (536, 16971), (548, 16995), (601, 17088), (617, 17127), (622, 17145),

Gene: Adora_19 Start: 17022, Stop: 17858, Start Num: 120

Candidate Starts for Adora_19:

(Start: 120 @17022 has 43 MA's), (Start: 130 @17031 has 36 MA's), (Start: 154 @17073 has 2 MA's), (167, 17106), (176, 17121), (199, 17169), (239, 17232), (242, 17238), (268, 17277), (305, 17331), (315, 17346), (336, 17370), (338, 17376), (360, 17412), (386, 17442), (402, 17451), (495, 17601), (533, 17691), (597, 17778),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 72

Candidate Starts for Adzzy_28:

(Start: 72 @17912 has 238 MA's), (118, 17987), (140, 18005), (155, 18041), (301, 18287), (331, 18326), (334, 18329), (408, 18464), (461, 18557), (479, 18590), (527, 18713), (543, 18743), (563, 18779), (578, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 75

Candidate Starts for Aegeus_17:

(Start: 54 @15389 has 2 MA's), (58, 15404), (Start: 75 @15428 has 61 MA's), (90, 15452), (Start: 110 @15497 has 1 MA's), (118, 15512), (141, 15530), (181, 15608), (274, 15761), (280, 15770), (334, 15833), (393, 15944), (396, 15950), (401, 15956), (433, 15992), (448, 16019), (460, 16043), (470, 16061), (475, 16070), (476, 16073), (492, 16112), (501, 16139), (519, 16187), (531, 16208), (593, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 68

Candidate Starts for Affeca_32:

(Start: 68 @29693 has 45 MA's), (169, 29879), (176, 29891), (188, 29918), (286, 30089), (316, 30125), (340, 30158), (348, 30173), (353, 30185), (373, 30215), (386, 30221), (434, 30281), (496, 30371), (536, 30461), (548, 30485), (554, 30497), (594, 30563), (600, 30578), (611, 30602), (615, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 72

Candidate Starts for Agape74_29:

(Start: 72 @19660 has 238 MA's), (118, 19735), (140, 19753), (155, 19789), (174, 19828), (301, 20035), (331, 20074), (334, 20077), (376, 20164), (479, 20344), (517, 20446), (555, 20521), (563, 20533),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 26

Candidate Starts for Agent47_20:

(Start: 26 @16419 has 22 MA's), (Start: 80 @16593 has 36 MA's), (118, 16659), (Start: 119 @16662 has 3 MA's), (141, 16689), (186, 16788), (244, 16890), (274, 16944), (298, 16974), (323, 17010), (325, 17013), (334, 17022), (372, 17097), (373, 17100), (412, 17136), (437, 17178), (465, 17196), (469, 17202), (482, 17226), (484, 17229), (500, 17268), (601, 17478), (617, 17517), (622, 17535),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 79

Candidate Starts for AgentM_23:

(Start: 79 @18724 has 49 MA's), (140, 18820), (Start: 154 @18853 has 2 MA's), (155, 18856), (174, 18895), (196, 18943), (301, 19096), (317, 19114), (334, 19138), (355, 19180), (511, 19492), (563, 19594), (579, 19621), (612, 19684),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 21

Candidate Starts for Ageofdapage_22:

(Start: 21 @15951 has 217 MA's), (48, 16068), (108, 16179), (Start: 119 @16200 has 3 MA's), (141, 16227), (187, 16329), (274, 16482), (336, 16563), (373, 16638), (390, 16653), (482, 16764), (500, 16806), (536, 16899), (548, 16923), (601, 17016), (617, 17055), (622, 17073),

Gene: Agueybana_18 Start: 16953, Stop: 17780, Start Num: 130

Candidate Starts for Agueybana_18:

(Start: 130 @16953 has 36 MA's), (159, 17007), (171, 17034), (236, 17148), (239, 17154), (246, 17169), (336, 17292), (360, 17334), (365, 17343), (451, 17448), (495, 17523), (501, 17544), (579, 17667), (597, 17700),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 68

Candidate Starts for Ailee_32:

(Start: 68 @30183 has 45 MA's), (169, 30369), (176, 30381), (188, 30408), (198, 30429), (239, 30489), (284, 30576), (286, 30579), (316, 30615), (340, 30648), (348, 30663), (353, 30675), (373, 30705), (386, 30711), (434, 30771), (496, 30861), (536, 30951), (548, 30975), (554, 30987), (594, 31053), (615, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 79

Candidate Starts for Airmid_23:

(Start: 79 @17965 has 49 MA's), (140, 18061), (Start: 154 @18094 has 2 MA's), (155, 18097), (174, 18136), (258, 18271), (272, 18301), (293, 18331), (301, 18337), (317, 18355), (334, 18379), (355, 18421), (454, 18592), (563, 18835), (579, 18862), (612, 18925),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Alatin_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 131

Candidate Starts for Aleemily_18:

(12, 15193), (Start: 131 @15646 has 11 MA's), (149, 15673), (164, 15706), (230, 15808), (244, 15835), (256, 15859), (331, 15961), (350, 15994), (365, 16024), (381, 16060), (384, 16066), (390, 16075), (442, 16153), (455, 16183), (460, 16189), (469, 16204), (511, 16309), (544, 16375), (600, 16474), (615, 16507), (626, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 70

Candidate Starts for Ali17_30:

(Start: 70 @27429 has 24 MA's), (149, 27552), (165, 27588), (192, 27648), (237, 27744), (303, 27855), (318, 27876), (377, 27978), (412, 28014), (526, 28230), (528, 28236), (534, 28251), (541, 28266), (559, 28302), (580, 28335), (582, 28338), (616, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 21

Candidate Starts for AlishaPH_22:

(Start: 21 @16010 has 217 MA's), (48, 16127), (Start: 100 @16217 has 15 MA's), (108, 16238), (Start: 119 @16259 has 3 MA's), (141, 16286), (274, 16541), (336, 16622), (373, 16697), (390, 16712), (482, 16823), (500, 16865), (536, 16958), (548, 16982), (601, 17075), (617, 17114), (622, 17132),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 72

Candidate Starts for Aliter_28:

(Start: 72 @20455 has 238 MA's), (87, 20473), (118, 20530), (140, 20548), (155, 20584), (258, 20764), (274, 20800), (301, 20830), (334, 20872), (421, 21031), (495, 21175), (517, 21238), (555,

21313), (563, 21325), (578, 21349),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 26

Candidate Starts for AlleyCat_20:

(Start: 26 @16301 has 22 MA's), (Start: 80 @16475 has 36 MA's), (118, 16541), (141, 16571), (186, 16670), (244, 16772), (274, 16826), (298, 16856), (323, 16892), (325, 16895), (334, 16904), (372, 16979), (373, 16982), (412, 17018), (437, 17060), (465, 17078), (469, 17084), (482, 17108), (484, 17111), (500, 17150), (540, 17252), (601, 17360), (617, 17399), (622, 17417),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 72

Candidate Starts for Alma_28:

(Start: 72 @20534 has 238 MA's), (87, 20552), (118, 20609), (140, 20627), (155, 20663), (258, 20843), (274, 20879), (301, 20909), (334, 20951), (421, 21110), (495, 21254), (517, 21317), (555, 21392), (563, 21404), (578, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 80

Candidate Starts for Alpacados_21:

(Start: 80 @15416 has 36 MA's), (Start: 100 @15455 has 15 MA's), (Start: 152 @15536 has 1 MA's), (Start: 154 @15542 has 2 MA's), (187, 15611), (241, 15689), (254, 15716), (334, 15827), (415, 15923), (517, 16052), (526, 16070), (563, 16139), (626, 16277),

Gene: AlumE_18 Start: 16952, Stop: 17779, Start Num: 130

Candidate Starts for AlumE_18:

(Start: 130 @16952 has 36 MA's), (151, 16985), (159, 17006), (171, 17033), (236, 17147), (239, 17153), (246, 17168), (336, 17291), (360, 17333), (365, 17342), (451, 17447), (495, 17522), (501, 17543), (579, 17666), (597, 17699),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for Amelie_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 21

Candidate Starts for Amgine_20:

(Start: 21 @16119 has 217 MA's), (48, 16236), (69, 16287), (141, 16395), (187, 16497), (188, 16500), (244, 16596), (274, 16650), (323, 16716), (334, 16728), (500, 16974), (501, 16977), (548, 17091), (601, 17184), (617, 17223), (622, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 19

Candidate Starts for Aminay_20:

(Start: 19 @16296 has 1 MA's), (27, 16320), (Start: 40 @16392 has 2 MA's), (48, 16422), (95, 16506), (Start: 119 @16554 has 3 MA's), (140, 16578), (186, 16680), (244, 16782), (274, 16836), (328, 16905), (334, 16911), (352, 16947), (372, 16986), (437, 17064), (500, 17154), (513, 17190), (525, 17220), (541, 17259), (601, 17364), (617, 17403), (622, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 42

Candidate Starts for Amochick_21:

(Start: 42 @16318 has 22 MA's), (45, 16327), (Start: 100 @16423 has 15 MA's), (104, 16432), (106, 16441), (141, 16492), (144, 16498), (188, 16594), (197, 16612), (234, 16681), (239, 16690), (249, 16711), (252, 16717), (255, 16723), (257, 16726), (297, 16798), (299, 16801), (394, 16957), (428, 17008), (439, 17026), (482, 17098), (493, 17116), (525, 17200), (536, 17227), (537, 17230), (557, 17266), (570, 17284), (596, 17326), (601, 17341), (602, 17344), (615, 17374), (617, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 21

Candidate Starts for Amohnition_21:

(Start: 21 @16493 has 217 MA's), (48, 16610), (Start: 54 @16628 has 2 MA's), (69, 16661), (Start: 100 @16700 has 15 MA's), (141, 16769), (186, 16868), (188, 16874), (244, 16970), (274, 17024), (323, 17090), (334, 17102), (372, 17177), (437, 17258), (469, 17282), (500, 17348), (501, 17351), (536, 17441), (601, 17558), (617, 17597), (622, 17615),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Amymech_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 21

Candidate Starts for Anaya_23:

(Start: 21 @16036 has 217 MA's), (Start: 26 @16042 has 22 MA's), (48, 16153), (108, 16264), (Start: 119 @16285 has 3 MA's), (141, 16312), (274, 16567), (336, 16648), (390, 16738), (482, 16849), (500, 16891), (536, 16984), (548, 17008), (601, 17101), (617, 17140), (622, 17158),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 76

Candidate Starts for Anaysia_29:

(Start: 76 @18122 has 20 MA's), (Start: 152 @18236 has 1 MA's), (Start: 154 @18242 has 2 MA's), (155, 18245), (284, 18479), (461, 18746), (493, 18800), (563, 18956),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 72

Candidate Starts for Aneem_27:

(Start: 72 @19736 has 238 MA's), (104, 19793), (Start: 152 @19868 has 1 MA's), (224, 19997), (258, 20057), (293, 20117), (301, 20123), (334, 20165), (357, 20210), (360, 20216), (408, 20300), (431, 20333), (563, 20615), (568, 20624), (578, 20639), (612, 20705),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Angel_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 21

Candidate Starts for Angelica_22:

(Start: 21 @15985 has 217 MA's), (48, 16102), (Start: 100 @16192 has 15 MA's), (108, 16213), (Start: 119 @16234 has 3 MA's), (141, 16261), (274, 16516), (336, 16597), (373, 16672), (390, 16687), (482, 16798), (500, 16840), (536, 16933), (548, 16957), (601, 17050), (617, 17089), (622, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 68

Candidate Starts for Angelicage_32:

(Start: 68 @30110 has 45 MA's), (169, 30296), (176, 30308), (188, 30335), (198, 30356), (239, 30416), (286, 30506), (316, 30542), (340, 30575), (348, 30590), (353, 30602), (373, 30632), (386, 30638), (434, 30698), (496, 30788), (536, 30878), (548, 30902), (554, 30914), (594, 30980), (615, 31031),

Gene: Angelique_19 Start: 16805, Stop: 17713, Start Num: 138

Candidate Starts for Angelique_19:

(Start: 138 @16805 has 25 MA's), (165, 16862), (242, 16997), (251, 17012), (253, 17015), (260, 17030), (278, 17066), (347, 17135), (368, 17174), (392, 17222), (408, 17246), (425, 17270), (510, 17462), (531, 17498), (532, 17501), (539, 17513), (540, 17516), (561, 17558), (563, 17561), (568, 17570), (597, 17624), (613, 17663), (615, 17669), (617, 17675),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 80

Candidate Starts for AngryOrchard_21:

(Start: 80 @15399 has 36 MA's), (Start: 100 @15438 has 15 MA's), (Start: 154 @15525 has 2 MA's), (187, 15594), (241, 15672), (334, 15810), (415, 15906), (517, 16035), (526, 16053), (563, 16122), (626, 16260),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 72

Candidate Starts for AnnaL29_30:

(Start: 72 @21011 has 238 MA's), (87, 21029), (140, 21104), (155, 21140), (174, 21179), (258, 21320), (301, 21386), (331, 21425), (334, 21428), (357, 21473), (461, 21659), (479, 21692), (563, 21881),

Gene: Annalisa_19 Start: 16522, Stop: 17349, Start Num: 130

Candidate Starts for Annalisa_19:

(Start: 120 @16513 has 43 MA's), (Start: 130 @16522 has 36 MA's), (Start: 154 @16564 has 2 MA's), (167, 16597), (176, 16612), (239, 16723), (242, 16729), (268, 16768), (305, 16822), (336, 16861), (360, 16903), (386, 16933), (402, 16942), (495, 17092), (533, 17182), (597, 17269),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 21

Candidate Starts for Annihilator_17:

(6, 15135), (Start: 21 @15468 has 217 MA's), (48, 15588), (Start: 54 @15606 has 2 MA's), (Start: 80 @15651 has 36 MA's), (88, 15657), (118, 15720), (144, 15756), (175, 15825), (176, 15828), (186, 15849), (215, 15903), (244, 15948), (263, 15978), (334, 16080), (340, 16092), (346, 16104), (355, 16122), (465, 16287), (482, 16317), (493, 16335), (500, 16359), (549, 16479), (601, 16569), (615, 16602),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 76

Candidate Starts for Anon_27:

(Start: 76 @18753 has 20 MA's), (Start: 100 @18795 has 15 MA's), (144, 18852), (Start: 152 @18867 has 1 MA's), (Start: 154 @18873 has 2 MA's), (155, 18876), (196, 18963), (284, 19110), (389, 19260), (563, 19587), (597, 19647), (612, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 72

Candidate Starts for Anselm_27:

(Start: 72 @19280 has 238 MA's), (118, 19355), (140, 19373), (155, 19409), (174, 19448), (301, 19655), (331, 19694), (334, 19697), (479, 19964), (517, 20066), (555, 20141), (563, 20153), (612, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 72

Candidate Starts for Anthony_26:

(Start: 72 @17668 has 238 MA's), (140, 17761), (155, 17797), (258, 17977), (301, 18043), (331, 18082), (334, 18085), (408, 18220), (479, 18346), (514, 18439), (517, 18448), (563, 18535), (578, 18559), (596, 18592), (612, 18625),

Gene: Antonio_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Antonio_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 21

Candidate Starts for Antsirabe_17:

(4, 15441), (6, 15501), (Start: 21 @15810 has 217 MA's), (Start: 54 @15951 has 2 MA's), (88, 16002), (Start: 119 @16068 has 3 MA's), (Start: 121 @16071 has 1 MA's), (140, 16092), (144, 16101), (175, 16170), (176, 16173), (187, 16197), (211, 16242), (215, 16248), (244, 16293), (301, 16383), (340, 16437), (371, 16497), (453, 16605), (482, 16662), (500, 16704), (502, 16710), (529, 16782), (537, 16800), (583, 16878), (585, 16881), (596, 16899), (615, 16947), (617, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 99

Candidate Starts for Aphelion_47:

(Start: 99 @28709 has 9 MA's), (Start: 130 @28757 has 36 MA's), (150, 28784), (185, 28856), (220, 28922), (239, 28952), (302, 29060), (365, 29153), (388, 29177), (407, 29192), (473, 29288), (499, 29336), (599, 29516), (614, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 126

Candidate Starts for Apiary_44:

(Start: 126 @30416 has 6 MA's), (Start: 154 @30452 has 2 MA's), (225, 30569), (248, 30608), (258, 30626), (282, 30677), (349, 30776), (384, 30851), (390, 30860), (435, 30935), (447, 30956), (505, 31094), (519, 31130), (534, 31169), (563, 31211), (599, 31274), (613, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 21

Candidate Starts for Apocalypse_22:

(Start: 21 @15988 has 217 MA's), (48, 16105), (Start: 100 @16195 has 15 MA's), (108, 16216), (Start: 119 @16237 has 3 MA's), (141, 16264), (238, 16453), (274, 16519), (336, 16600), (373, 16675), (390, 16690), (482, 16801), (500, 16843), (536, 16936), (548, 16960), (601, 17053), (617, 17092), (622, 17110),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 80

Candidate Starts for AppleCloud_20:

(Start: 80 @15445 has 36 MA's), (Start: 100 @15484 has 15 MA's), (Start: 154 @15571 has 2 MA's), (187, 15640), (241, 15718), (254, 15745), (334, 15856), (415, 15952), (517, 16081), (526, 16099), (563, 16168), (626, 16306),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 60

Candidate Starts for Appletree2_17:

(49, 15764), (50, 15767), (Start: 60 @15800 has 10 MA's), (Start: 75 @15818 has 61 MA's), (90, 15842), (104, 15872), (Start: 110 @15887 has 1 MA's), (141, 15920), (227, 16064), (272, 16145), (331, 16220), (334, 16223), (337, 16229), (361, 16274), (375, 16301), (393, 16334), (396, 16340), (426, 16373), (433, 16382), (448, 16409), (501, 16529), (519, 16577), (534, 16604), (567, 16643), (571, 16649), (593, 16688),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 79

Candidate Starts for Aragog_23:

(Start: 79 @18754 has 49 MA's), (140, 18850), (Start: 154 @18883 has 2 MA's), (155, 18886), (174, 18925), (196, 18973), (301, 19126), (317, 19144), (334, 19168), (355, 19210), (511, 19522), (563, 19624), (579, 19651), (612, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 72

Candidate Starts for ArcherNM_29:

(Start: 72 @20956 has 238 MA's), (140, 21049), (155, 21085), (174, 21124), (301, 21331), (331, 21370), (334, 21373), (357, 21418), (461, 21604), (479, 21637), (563, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 79

Candidate Starts for Archetta_23:

(Start: 79 @18467 has 49 MA's), (140, 18563), (Start: 154 @18596 has 2 MA's), (155, 18599), (174, 18638), (196, 18686), (301, 18839), (317, 18857), (334, 18881), (355, 18923), (511, 19235), (563, 19337), (579, 19364),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 75

Candidate Starts for Archie_17:

(Start: 75 @16290 has 61 MA's), (90, 16314), (104, 16344), (155, 16425), (329, 16695), (331, 16698), (334, 16701), (378, 16788), (393, 16812), (396, 16818), (448, 16887), (457, 16905), (468, 16923), (469, 16926), (519, 17055), (534, 17082), (541, 17094), (593, 17184), (600, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 103

Candidate Starts for Archimedes_15:

(Start: 98 @13698 has 6 MA's), (Start: 103 @13707 has 1 MA's), (146, 13767), (222, 13914), (239, 13941), (260, 13983), (300, 14052), (334, 14088), (404, 14178), (440, 14235), (446, 14238), (499, 14325), (522, 14361), (536, 14391), (540, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 102

Candidate Starts for Archis_19:

(Start: 98 @15998 has 6 MA's), (Start: 102 @16004 has 26 MA's), (Start: 110 @16019 has 1 MA's), (188, 16160), (236, 16241), (267, 16298), (271, 16307), (292, 16340), (366, 16448), (437, 16532), (490, 16604), (564, 16733), (581, 16760), (592, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 121

Candidate Starts for Arianna_18:

(Start: 119 @16550 has 3 MA's), (Start: 121 @16553 has 1 MA's), (172, 16637), (256, 16775), (444, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 72

Candidate Starts for Arissanae_26:

(Start: 72 @18593 has 238 MA's), (85, 18608), (87, 18611), (140, 18686), (274, 18938), (301, 18968), (334, 19010), (413, 19160), (444, 19205), (470, 19256), (474, 19262), (517, 19385), (563, 19472),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Aroostook_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 77

Candidate Starts for Arri_33:

(Start: 77 @25616 has 29 MA's), (135, 25721), (166, 25790), (169, 25796), (183, 25820), (188, 25835), (434, 26195), (446, 26210), (458, 26228), (518, 26330), (536, 26372), (554, 26408), (607, 26504), (624, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 72

Candidate Starts for Artemis2UCLA_30:

(Start: 72 @18860 has 238 MA's), (87, 18878), (104, 18914), (140, 18953), (188, 19058), (301, 19235), (331, 19274), (334, 19277), (376, 19364), (385, 19385), (461, 19511), (495, 19583), (563, 19733), (568, 19742), (612, 19823),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 129

Candidate Starts for Arti_40:

(Start: 129 @28866 has 24 MA's), (176, 28953), (225, 29028), (261, 29094), (282, 29136), (324, 29193), (447, 29406), (460, 29433), (505, 29544), (563, 29676), (613, 29772),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Asayake_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 68

Candidate Starts for Ashertheman_34:

(Start: 68 @28975 has 45 MA's), (169, 29161), (176, 29173), (183, 29185), (188, 29200), (193, 29212), (204, 29239), (220, 29254), (239, 29281), (286, 29371), (316, 29407), (353, 29467), (370, 29491), (386, 29503), (434, 29563), (496, 29653), (548, 29767), (554, 29779), (594, 29845), (600, 29860), (611, 29884), (615, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 79

Candidate Starts for Astro_23:

(Start: 79 @17636 has 49 MA's), (Start: 152 @17759 has 1 MA's), (Start: 154 @17765 has 2 MA's), (188, 17837), (258, 17942), (269, 17969), (334, 18059), (445, 18260), (460, 18290), (461, 18293), (555, 18503), (579, 18542), (603, 18590), (612, 18605),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 21

Candidate Starts for Atiba_22:

(Start: 21 @15980 has 217 MA's), (48, 16097), (Start: 100 @16187 has 15 MA's), (108, 16208), (Start: 119 @16229 has 3 MA's), (141, 16256), (274, 16511), (336, 16592), (373, 16667), (390, 16682), (482, 16793), (500, 16835), (536, 16928), (548, 16952), (601, 17045), (617, 17084), (622, 17102),

Gene: Attis_16 Start: 13903, Stop: 14751, Start Num: 120

Candidate Starts for Attis_16:

(Start: 120 @13903 has 43 MA's), (127, 13909), (196, 14044), (253, 14131), (270, 14164), (334, 14251), (336, 14254), (346, 14275), (360, 14299), (386, 14332), (520, 14554), (523, 14560), (617, 14722),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 41

Candidate Starts for AuntGwenStacy_23:

(Start: 41 @18613 has 5 MA's), (69, 18679), (118, 18769), (Start: 121 @18775 has 1 MA's), (Start: 152 @18823 has 1 MA's), (173, 18871), (186, 18898), (198, 18925), (199, 18928), (220, 18949), (254, 19000), (280, 19051), (289, 19060), (309, 19087), (355, 19162), (369, 19186), (469, 19276), (482, 19300), (484, 19303), (500, 19339), (521, 19393), (524, 19402), (541, 19444), (543, 19447), (596, 19528), (599, 19537), (617, 19582),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 65

Candidate Starts for Auspice_27:

(Start: 65 @21457 has 19 MA's), (Start: 129 @21559 has 24 MA's), (146, 21577), (Start: 152 @21592 has 1 MA's), (188, 21664), (192, 21673), (247, 21751), (329, 21886), (331, 21889), (334, 21892), (371,

21961), (393, 22003), (396, 22009), (483, 22150), (492, 22171), (497, 22183), (565, 22306), (571, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 75

Candidate Starts for AvadaKedavra_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 22

Candidate Starts for Avocado_17:

(Start: 22 @15733 has 2 MA's), (48, 15862), (Start: 54 @15880 has 2 MA's), (88, 15931), (Start: 100 @15955 has 15 MA's), (Start: 119 @15997 has 3 MA's), (Start: 121 @16000 has 1 MA's), (140, 16021), (144, 16030), (159, 16066), (176, 16102), (180, 16108), (187, 16126), (215, 16177), (301, 16312), (340, 16366), (371, 16426), (482, 16591), (500, 16633), (529, 16711), (583, 16807), (585, 16810), (615, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Avrafan_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 47

Candidate Starts for Ayotoya_21:

(Start: 47 @17079 has 17 MA's), (Start: 65 @17124 has 19 MA's), (92, 17154), (151, 17262), (221, 17412), (249, 17460), (297, 17544), (304, 17553), (337, 17595), (443, 17772), (489, 17841), (561, 18003), (583, 18036), (616, 18108), (617, 18111),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 65

Candidate Starts for Aziz_31:

(Start: 65 @22046 has 19 MA's), (74, 22055), (104, 22109), (Start: 121 @22145 has 1 MA's), (Start: 129 @22148 has 24 MA's), (146, 22166), (Start: 152 @22181 has 1 MA's), (155, 22190), (187, 22250), (188, 22253), (331, 22478), (334, 22481), (350, 22511), (396, 22598), (483, 22739), (501, 22787), (513, 22820), (591, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 100

Candidate Starts for Azula_20:

(Start: 100 @16105 has 15 MA's), (Start: 110 @16120 has 1 MA's), (169, 16222), (188, 16261), (236, 16342), (281, 16426), (292, 16441), (366, 16549), (437, 16633), (488, 16699), (490, 16705), (511, 16744), (564, 16834), (592, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for AzulaCat_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 72

Candidate Starts for BABullseye_30:

(Start: 72 @18959 has 238 MA's), (104, 19013), (140, 19052), (188, 19157), (274, 19304), (301, 19334), (331, 19373), (334, 19376), (357, 19421), (385, 19481), (495, 19679), (563, 19829), (568, 19838),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for BEEST_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for BGlluviae_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for BPs_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 21

Candidate Starts for BQuat_17:

(6, 15135), (Start: 21 @15468 has 217 MA's), (48, 15588), (Start: 54 @15606 has 2 MA's), (Start: 80 @15651 has 36 MA's), (88, 15657), (118, 15720), (144, 15756), (175, 15825), (176, 15828), (186, 15849), (215, 15903), (244, 15948), (263, 15978), (334, 16080), (340, 16092), (346, 16104), (355, 16122), (465, 16287), (482, 16317), (493, 16335), (500, 16359), (549, 16479), (601, 16569), (615, 16602),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 72

Candidate Starts for BabyBack_29:

(Start: 72 @20784 has 238 MA's), (140, 20877), (155, 20913), (174, 20952), (301, 21159), (331, 21198), (334, 21201), (517, 21564), (563, 21651), (578, 21675),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 99

Candidate Starts for Bachita_49:

(Start: 99 @29142 has 9 MA's), (Start: 130 @29190 has 36 MA's), (150, 29217), (185, 29289), (220, 29355), (239, 29385), (302, 29493), (365, 29586), (388, 29610), (407, 29625), (473, 29721), (499, 29769), (599, 29949), (614, 29985),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 72

Candidate Starts for Bachome_27:

(Start: 72 @19727 has 238 MA's), (104, 19784), (Start: 152 @19859 has 1 MA's), (224, 19988), (258, 20048), (293, 20108), (301, 20114), (334, 20156), (357, 20201), (360, 20207), (408, 20291), (431, 20324), (563, 20606), (568, 20615), (578, 20630), (612, 20696),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 72

Candidate Starts for Bactobuster_28:

(Start: 72 @20771 has 238 MA's), (118, 20846), (140, 20864), (174, 20939), (258, 21080), (272, 21110), (301, 21146), (334, 21188), (377, 21278), (398, 21314), (408, 21329), (479, 21455), (511, 21542), (563, 21644), (578, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 68

Candidate Starts for Baddon_33:

(Start: 68 @29772 has 45 MA's), (156, 29928), (169, 29958), (176, 29970), (178, 29973), (183, 29982), (188, 29997), (193, 30009), (286, 30168), (316, 30204), (353, 30264), (386, 30300), (434, 30360), (496, 30450), (536, 30540), (548, 30564), (554, 30576), (594, 30642), (600, 30657), (611, 30681), (615, 30693),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 72

Candidate Starts for Baehexic_28:

(Start: 72 @19662 has 238 MA's), (118, 19737), (140, 19755), (155, 19791), (174, 19830), (274, 20007), (301, 20037), (331, 20076), (334, 20079), (563, 20535), (578, 20559),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 21

Candidate Starts for BaghaKamala_22:

(Start: 21 @15980 has 217 MA's), (48, 16097), (Start: 100 @16187 has 15 MA's), (108, 16208), (Start: 119 @16229 has 3 MA's), (141, 16256), (274, 16511), (336, 16592), (373, 16667), (390, 16682), (482, 16793), (500, 16835), (536, 16928), (548, 16952), (601, 17045), (617, 17084), (622, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 77

Candidate Starts for Bakery_31:

(Start: 77 @24839 has 29 MA's), (135, 24935), (166, 25004), (169, 25010), (176, 25022), (178, 25025), (183, 25034), (188, 25049), (286, 25223), (316, 25259), (414, 25376), (434, 25406), (518, 25541), (532, 25577), (548, 25607), (554, 25619), (598, 25694), (607, 25715),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 96

Candidate Starts for Bantam_29:

(Start: 96 @26180 has 9 MA's), (Start: 110 @26201 has 1 MA's), (185, 26327), (188, 26336), (259, 26456), (283, 26507), (292, 26516), (321, 26552), (365, 26624), (368, 26630), (473, 26759), (499, 26807), (536, 26882), (564, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 75

Candidate Starts for Baoshan_16:

(Start: 75 @15899 has 61 MA's), (90, 15923), (104, 15953), (155, 16034), (181, 16079), (329, 16304), (331, 16307), (334, 16310), (350, 16340), (378, 16397), (396, 16427), (448, 16496), (457, 16514), (492, 16589), (497, 16601), (519, 16664), (534, 16691), (571, 16754), (593, 16793), (600, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 77

Candidate Starts for Barb_32:

(Start: 77 @25634 has 29 MA's), (135, 25739), (166, 25808), (169, 25814), (183, 25838), (188, 25853), (434, 26213), (446, 26228), (458, 26246), (518, 26348), (536, 26390), (554, 26426), (607, 26522), (624, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 98

Candidate Starts for Barco_18:

(Start: 98 @15787 has 6 MA's), (Start: 102 @15793 has 26 MA's), (188, 15949), (236, 16030), (292, 16129), (366, 16237), (437, 16321), (490, 16393), (564, 16522), (581, 16549), (592, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 21

Candidate Starts for Barkley26_17:

(6, 15147), (Start: 21 @15480 has 217 MA's), (48, 15600), (Start: 54 @15618 has 2 MA's), (Start: 80 @15663 has 36 MA's), (88, 15669), (118, 15732), (144, 15768), (175, 15837), (176, 15840), (186, 15861), (215, 15915), (244, 15960), (263, 15990), (334, 16092), (340, 16104), (346, 16116), (355, 16134), (465, 16299), (482, 16329), (493, 16347), (500, 16371), (540, 16473), (549, 16491), (601, 16581), (615, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 21

Candidate Starts for BarrelRoll_22:

(Start: 21 @16003 has 217 MA's), (48, 16120), (Start: 100 @16210 has 15 MA's), (108, 16231), (Start: 119 @16252 has 3 MA's), (141, 16279), (274, 16534), (336, 16615), (373, 16690), (390, 16705), (482, 16816), (500, 16858), (536, 16951), (548, 16975), (601, 17068), (617, 17107), (622, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 68

Candidate Starts for Barsten_34:

(Start: 68 @29324 has 45 MA's), (169, 29510), (176, 29522), (188, 29549), (198, 29570), (239, 29630), (284, 29717), (286, 29720), (316, 29756), (340, 29789), (348, 29804), (353, 29816), (373, 29846), (386, 29852), (434, 29912), (496, 30002), (536, 30092), (548, 30116), (554, 30128), (594, 30194), (615, 30245),

Gene: BatStarr_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for BatStarr_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 76

Candidate Starts for Battleship_30:

(Start: 76 @18234 has 20 MA's), (Start: 152 @18348 has 1 MA's), (Start: 154 @18354 has 2 MA's), (155, 18357), (284, 18591), (461, 18858), (493, 18912), (563, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 75

Candidate Starts for Baudelaire_17:

(Start: 54 @15389 has 2 MA's), (58, 15404), (Start: 75 @15428 has 61 MA's), (90, 15452), (Start: 110 @15497 has 1 MA's), (118, 15512), (141, 15530), (181, 15608), (274, 15761), (280, 15770), (334, 15833), (393, 15944), (396, 15950), (401, 15956), (433, 15992), (448, 16019), (460, 16043), (470, 16061), (475, 16070), (476, 16073), (492, 16112), (501, 16139), (519, 16187), (531, 16208), (593, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 68

Candidate Starts for Baumdotcom_33:

(Start: 68 @28596 has 45 MA's), (169, 28782), (176, 28794), (183, 28806), (188, 28821), (193, 28833), (204, 28860), (220, 28875), (239, 28902), (286, 28992), (316, 29028), (353, 29088), (370, 29112), (386, 29124), (434, 29184), (496, 29274), (548, 29388), (554, 29400), (594, 29466), (600, 29481), (611, 29505), (615, 29517),

Gene: BaxterFox_17 Start: 16279, Stop: 17106, Start Num: 130

Candidate Starts for BaxterFox_17:

(Start: 130 @16279 has 36 MA's), (167, 16354), (236, 16474), (239, 16480), (279, 16546), (285, 16558), (334, 16615), (338, 16624), (360, 16660), (365, 16669), (386, 16690), (451, 16774), (495, 16849), (501, 16870), (579, 16993), (597, 17026),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 75

Candidate Starts for Bazzle_17:

(Start: 75 @16039 has 61 MA's), (90, 16063), (104, 16093), (181, 16219), (329, 16444), (331, 16447), (334, 16450), (378, 16537), (393, 16561), (396, 16567), (448, 16636), (457, 16654), (468, 16672), (469, 16675), (519, 16804), (534, 16831), (541, 16843), (593, 16933), (600, 16945),

Gene: BearBQ_18 Start: 16477, Stop: 17403, Start Num: 138

Candidate Starts for BearBQ_18:

(Start: 136 @16474 has 1 MA's), (Start: 138 @16477 has 25 MA's), (165, 16534), (222, 16636), (229, 16648), (245, 16672), (251, 16681), (253, 16684), (254, 16687), (291, 16750), (332, 16783), (347, 16804), (383, 16879), (392, 16891), (408, 16915), (427, 16942), (429, 16945), (445, 16975), (474, 17029), (481, 17053), (510, 17134), (527, 17176), (528, 17179), (531, 17188), (532, 17191), (539, 17203), (540, 17206), (546, 17218), (552, 17230), (563, 17251), (568, 17260), (573, 17269), (597, 17314), (598, 17317), (615, 17359), (617, 17365),

Gene: BeeGee_19 Start: 16625, Stop: 17533, Start Num: 138

Candidate Starts for BeeGee_19:

(Start: 138 @16625 has 25 MA's), (165, 16682), (242, 16817), (251, 16832), (253, 16835), (278, 16886), (368, 16994), (392, 17042), (408, 17066), (420, 17084), (425, 17090), (445, 17126), (510, 17282), (528, 17309), (532, 17321), (540, 17336), (563, 17381), (579, 17408), (597, 17444), (598, 17447), (613, 17483), (615, 17489), (617, 17495),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 72

Candidate Starts for Beelzebub_53:

(Start: 72 @26710 has 238 MA's), (Start: 152 @26842 has 1 MA's), (165, 26866), (168, 26875), (172, 26881), (177, 26890), (188, 26914), (192, 26923), (198, 26935), (269, 27061), (323, 27142), (334, 27157), (337, 27163), (393, 27271), (475, 27397), (478, 27403), (542, 27553), (545, 27559), (552, 27571), (554, 27574), (602, 27661), (604, 27664), (606, 27667),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 72

Candidate Starts for Beemo_28:

(Start: 72 @20561 has 238 MA's), (87, 20579), (118, 20636), (140, 20654), (155, 20690), (258, 20870), (274, 20906), (301, 20936), (334, 20978), (421, 21137), (495, 21281), (517, 21344), (555, 21419), (563, 21431), (578, 21455),

Gene: Beenie_19 Start: 16864, Stop: 17706, Start Num: 120

Candidate Starts for Beenie_19:

(Start: 120 @16864 has 43 MA's), (Start: 130 @16873 has 36 MA's), (Start: 154 @16915 has 2 MA's), (167, 16948), (176, 16963), (199, 17011), (228, 17059), (239, 17074), (242, 17080), (268, 17119), (305, 17173), (336, 17212), (338, 17218), (360, 17254), (386, 17284), (402, 17293), (495, 17449), (597, 17626),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 21

Candidate Starts for Beezoo_22:

(Start: 21 @16027 has 217 MA's), (48, 16144), (Start: 100 @16234 has 15 MA's), (108, 16255), (Start: 119 @16276 has 3 MA's), (141, 16303), (274, 16558), (336, 16639), (373, 16714), (390, 16729), (482, 16840), (500, 16882), (536, 16975), (548, 16999), (601, 17092), (617, 17131), (622, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 102

Candidate Starts for Begonia_19:

(Start: 98 @16265 has 6 MA's), (Start: 102 @16271 has 26 MA's), (188, 16427), (236, 16508), (292, 16607), (366, 16715), (437, 16799), (490, 16871), (564, 17000), (592, 17042),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Belenaria_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 21

Candidate Starts for Bella96_22:

(Start: 21 @15947 has 217 MA's), (48, 16064), (Start: 100 @16154 has 15 MA's), (108, 16175), (Start: 119 @16196 has 3 MA's), (141, 16223), (244, 16424), (274, 16478), (336, 16559), (373, 16634), (390, 16649), (500, 16802), (536, 16895), (548, 16919), (601, 17012), (617, 17051), (622, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Belladonna_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 75

Candidate Starts for Bellis_18:

(Start: 75 @16492 has 61 MA's), (90, 16516), (Start: 110 @16561 has 1 MA's), (118, 16576), (141, 16597), (188, 16693), (274, 16828), (280, 16837), (331, 16897), (334, 16900), (337, 16906), (375, 16978), (393, 17011), (448, 17086), (476, 17140), (485, 17161), (503, 17212), (519, 17254), (593, 17365), (595, 17368),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 70

Candidate Starts for Belphegor_32:

(Start: 70 @29032 has 24 MA's), (165, 29191), (192, 29251), (237, 29347), (239, 29350), (303, 29458), (318, 29479), (377, 29581), (412, 29617), (516, 29809), (526, 29833), (528, 29839), (534, 29854), (559, 29905), (580, 29938), (582, 29941), (616, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 79

Candidate Starts for Benedict_23:

(Start: 79 @17968 has 49 MA's), (Start: 154 @18097 has 2 MA's), (155, 18100), (174, 18139), (258, 18274), (272, 18304), (293, 18334), (301, 18340), (317, 18358), (334, 18382), (355, 18424), (563, 18838), (612, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 72

Candidate Starts for BengiVuitton_28:

(Start: 72 @19613 has 238 MA's), (140, 19706), (155, 19742), (174, 19781), (301, 19988), (331, 20027), (334, 20030), (461, 20258), (479, 20291), (517, 20393), (527, 20414), (555, 20468), (563, 20480), (612, 20570),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 72

Candidate Starts for Benvolio_27:

(Start: 72 @19279 has 238 MA's), (118, 19354), (140, 19372), (155, 19408), (174, 19447), (301, 19654), (331, 19693), (334, 19696), (517, 20065), (555, 20140), (563, 20152),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 62

Candidate Starts for Bernal13_18:

(Start: 62 @16018 has 7 MA's), (85, 16045), (Start: 94 @16063 has 2 MA's), (195, 16240), (196, 16243), (241, 16318), (274, 16384), (288, 16411), (331, 16468), (337, 16477), (476, 16714), (487, 16738), (524, 16837), (531, 16858), (543, 16879), (566, 16918), (571, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 47

Candidate Starts for BetterKatz_21:

(Start: 47 @16552 has 17 MA's), (Start: 65 @16597 has 19 MA's), (92, 16627), (151, 16735), (221, 16885), (249, 16933), (297, 17017), (304, 17026), (337, 17068), (443, 17245), (467, 17278), (489, 17314), (583, 17509), (616, 17581), (617, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 137

Candidate Starts for BiPauneto_43:

(Start: 137 @28641 has 8 MA's), (176, 28722), (196, 28767), (248, 28836), (349, 29004), (390, 29088), (417, 29139), (447, 29172), (528, 29370), (536, 29388), (563, 29430), (611, 29520), (613, 29526), (619, 29547),

Gene: Bialota_18 Start: 16952, Stop: 17779, Start Num: 130

Candidate Starts for Bialota_18:

(Start: 130 @16952 has 36 MA's), (159, 17006), (171, 17033), (236, 17147), (239, 17153), (246, 17168), (336, 17291), (360, 17333), (365, 17342), (451, 17447), (495, 17522), (501, 17543), (579, 17666), (597, 17699),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 72

Candidate Starts for BiancaTri92_29:

(Start: 72 @20966 has 238 MA's), (118, 21041), (140, 21059), (155, 21095), (174, 21134), (274, 21311), (301, 21341), (331, 21380), (334, 21383), (461, 21611), (517, 21746), (555, 21821), (563, 21833), (612, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 68

Candidate Starts for Bibwit_33:

(Start: 68 @29511 has 45 MA's), (169, 29697), (176, 29709), (188, 29736), (286, 29907), (316, 29943), (340, 29976), (348, 29991), (353, 30003), (373, 30033), (386, 30039), (434, 30099), (496, 30189), (536, 30279), (548, 30303), (554, 30315), (594, 30381), (615, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for BigCheese_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for Biglebops_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 41

Candidate Starts for Bipper_23:

(Start: 41 @18745 has 5 MA's), (69, 18811), (78, 18820), (108, 18883), (118, 18901), (Start: 121 @18907 has 1 MA's), (186, 19030), (198, 19057), (199, 19060), (220, 19081), (280, 19183), (289, 19192), (309, 19219), (355, 19294), (407, 19336), (422, 19363), (469, 19408), (482, 19432), (484, 19435), (502, 19477), (521, 19525), (524, 19534), (541, 19576), (549, 19588), (586, 19645), (617, 19714),

Gene: Birdsong_18 Start: 15370, Stop: 16296, Start Num: 138

Candidate Starts for Birdsong_18:

(Start: 136 @15367 has 1 MA's), (Start: 138 @15370 has 25 MA's), (165, 15427), (222, 15529), (229, 15541), (245, 15565), (251, 15574), (253, 15577), (254, 15580), (291, 15643), (332, 15676), (347,

15697), (354, 15712), (383, 15772), (392, 15784), (408, 15808), (427, 15835), (429, 15838), (445, 15868), (481, 15946), (510, 16027), (527, 16069), (528, 16072), (531, 16081), (532, 16084), (539, 16096), (540, 16099), (546, 16111), (552, 16123), (563, 16144), (568, 16153), (573, 16162), (597, 16207), (598, 16210), (600, 16216), (615, 16252), (617, 16258),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 68

Candidate Starts for Bizzy_34:

(Start: 68 @28919 has 45 MA's), (156, 29075), (169, 29105), (176, 29117), (183, 29129), (188, 29144), (193, 29156), (286, 29315), (316, 29351), (353, 29411), (386, 29447), (434, 29507), (496, 29597), (536, 29687), (548, 29711), (554, 29723), (594, 29789), (600, 29804), (611, 29828), (615, 29840),

Gene: Bjaner7_16 Start: 13903, Stop: 14751, Start Num: 120

Candidate Starts for Bjaner7_16:

(Start: 120 @13903 has 43 MA's), (127, 13909), (196, 14044), (253, 14131), (270, 14164), (334, 14251), (336, 14254), (346, 14275), (360, 14299), (386, 14332), (520, 14554), (523, 14560), (617, 14722),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 72

Candidate Starts for Blackbeetle_49:

(Start: 72 @25756 has 238 MA's), (Start: 152 @25888 has 1 MA's), (165, 25912), (168, 25921), (172, 25927), (177, 25936), (188, 25960), (192, 25969), (198, 25981), (203, 25993), (269, 26107), (323, 26188), (334, 26203), (337, 26209), (393, 26317), (475, 26443), (478, 26449), (542, 26599), (545, 26605), (552, 26617), (554, 26620), (602, 26707), (604, 26710), (606, 26713),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 102

Candidate Starts for BlingBling_18:

(Start: 98 @15787 has 6 MA's), (Start: 102 @15793 has 26 MA's), (188, 15949), (236, 16030), (292, 16129), (366, 16237), (437, 16321), (490, 16393), (564, 16522), (581, 16549), (592, 16564),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 72

Candidate Starts for Blinn1_30:

(Start: 72 @19032 has 238 MA's), (104, 19086), (140, 19125), (155, 19161), (188, 19230), (274, 19377), (301, 19407), (331, 19446), (334, 19449), (357, 19494), (385, 19554), (461, 19680), (495, 19752), (563, 19902), (568, 19911),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 102

Candidate Starts for Blino_18:

(Start: 98 @15755 has 6 MA's), (Start: 102 @15761 has 26 MA's), (188, 15917), (236, 15998), (292, 16097), (366, 16205), (437, 16289), (488, 16355), (490, 16361), (564, 16490), (592, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Blizzard_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 72

Candidate Starts for Blue7_30:

(Start: 72 @18950 has 238 MA's), (87, 18968), (104, 19004), (140, 19043), (188, 19148), (301, 19325), (331, 19364), (334, 19367), (376, 19454), (385, 19475), (461, 19601), (495, 19673), (563, 19823), (568, 19832), (612, 19913),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 84

Candidate Starts for BlueNGold_99:

(Start: 84 @59080 has 5 MA's), (93, 59095), (Start: 96 @59101 has 9 MA's), (Start: 99 @59107 has 9 MA's), (161, 59224), (162, 59227), (186, 59278), (201, 59314), (272, 59449), (296, 59485), (318, 59515), (484, 59767), (501, 59812), (513, 59842), (515, 59848), (528, 59875), (548, 59914), (587, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 100

Candidate Starts for Blueberry_20:

(Start: 100 @16105 has 15 MA's), (Start: 110 @16120 has 1 MA's), (169, 16222), (188, 16261), (236, 16342), (281, 16426), (292, 16441), (366, 16549), (437, 16633), (488, 16699), (490, 16705), (511, 16744), (564, 16834), (592, 16876),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 79

Candidate Starts for Bluefalcon_22:

(Start: 79 @18724 has 49 MA's), (140, 18820), (Start: 154 @18853 has 2 MA's), (155, 18856), (174, 18895), (196, 18943), (301, 19096), (317, 19114), (334, 19138), (355, 19180), (511, 19492), (563, 19594), (579, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 68

Candidate Starts for BobBob_31:

(Start: 68 @28792 has 45 MA's), (169, 28978), (176, 28990), (188, 29017), (198, 29038), (239, 29098), (286, 29188), (316, 29224), (340, 29257), (348, 29272), (353, 29284), (373, 29314), (386, 29320), (434, 29380), (496, 29470), (536, 29560), (548, 29584), (554, 29596), (594, 29662), (600, 29677), (611, 29701), (615, 29713), (624, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 72

Candidate Starts for BobSwaget_30:

(Start: 72 @20811 has 238 MA's), (140, 20904), (155, 20940), (174, 20979), (301, 21186), (331, 21225), (334, 21228), (357, 21273), (408, 21363), (461, 21456), (479, 21489), (517, 21591), (555, 21666), (563, 21678), (612, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 80

Candidate Starts for BobbyDazzler_22:

(Start: 80 @15525 has 36 MA's), (Start: 100 @15564 has 15 MA's), (Start: 152 @15645 has 1 MA's), (Start: 154 @15651 has 2 MA's), (187, 15720), (241, 15798), (254, 15825), (334, 15936), (415, 16032), (517, 16161), (526, 16179), (563, 16248), (626, 16386),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for BobsGarage_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 47

Candidate Starts for Bock_21:

(Start: 47 @16302 has 17 MA's), (Start: 65 @16347 has 19 MA's), (92, 16377), (144, 16470), (151, 16485), (221, 16635), (249, 16683), (297, 16767), (304, 16776), (337, 16818), (443, 16995), (467, 17028), (489, 17064), (583, 17259), (616, 17331), (617, 17334),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 72

Candidate Starts for BogosyJay_28:

(Start: 72 @20290 has 238 MA's), (87, 20308), (118, 20365), (140, 20383), (155, 20419), (258, 20599), (274, 20635), (301, 20665), (334, 20707), (421, 20866), (470, 20953), (563, 21169), (578, 21193),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 21

Candidate Starts for Boiiii_22:

(Start: 21 @16053 has 217 MA's), (48, 16170), (Start: 100 @16260 has 15 MA's), (108, 16281), (Start: 119 @16302 has 3 MA's), (141, 16329), (274, 16584), (336, 16665), (373, 16740), (390, 16755), (482, 16866), (500, 16908), (536, 17001), (548, 17025), (601, 17118), (617, 17157), (622, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 18

Candidate Starts for Boilgate_19:

(Start: 18 @16429 has 1 MA's), (27, 16453), (Start: 40 @16525 has 2 MA's), (48, 16555), (49, 16561), (Start: 80 @16618 has 36 MA's), (118, 16684), (Start: 119 @16687 has 3 MA's), (140, 16711), (148, 16729), (165, 16768), (184, 16807), (186, 16813), (200, 16846), (244, 16915), (274, 16969), (311, 17017), (325, 17035), (328, 17038), (334, 17044), (469, 17221), (482, 17245), (500, 17287), (501, 17290), (511, 17320), (521, 17341), (536, 17380), (541, 17392), (543, 17395), (596, 17482), (601, 17497), (617, 17536), (622, 17554),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 79

Candidate Starts for Bonamassa_23:

(Start: 79 @18648 has 49 MA's), (140, 18744), (Start: 154 @18777 has 2 MA's), (155, 18780), (258, 18954), (293, 19014), (301, 19020), (317, 19038), (334, 19062), (355, 19104), (511, 19416), (563, 19518), (612, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 80

Candidate Starts for Bonanza_22:

(Start: 80 @15454 has 36 MA's), (Start: 100 @15493 has 15 MA's), (Start: 152 @15574 has 1 MA's), (Start: 154 @15580 has 2 MA's), (187, 15649), (241, 15727), (254, 15754), (334, 15865), (415, 15961), (517, 16090), (526, 16108), (563, 16177), (626, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 65

Candidate Starts for Bongo_27:

(Start: 65 @21457 has 19 MA's), (Start: 129 @21559 has 24 MA's), (146, 21577), (Start: 152 @21592 has 1 MA's), (188, 21664), (192, 21673), (247, 21751), (329, 21886), (331, 21889), (334, 21892), (371, 21961), (393, 22003), (396, 22009), (483, 22150), (492, 22171), (497, 22183), (565, 22306), (571, 22318),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 131

Candidate Starts for Bonum_43:

(Start: 131 @29225 has 11 MA's), (176, 29306), (192, 29342), (282, 29489), (417, 29723), (444, 29750), (470, 29801), (505, 29894), (563, 30011), (613, 30107), (615, 30113), (619, 30128),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 76

Candidate Starts for Boohoo_29:

(Start: 76 @18122 has 20 MA's), (Start: 152 @18236 has 1 MA's), (Start: 154 @18242 has 2 MA's), (155, 18245), (284, 18479), (461, 18746), (493, 18800), (563, 18956),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 84

Candidate Starts for Boopy_100:

(Start: 84 @59092 has 5 MA's), (93, 59107), (Start: 96 @59113 has 9 MA's), (Start: 99 @59119 has 9 MA's), (161, 59236), (162, 59239), (186, 59290), (201, 59326), (272, 59461), (296, 59497), (318, 59527), (484, 59779), (501, 59824), (513, 59854), (515, 59860), (528, 59887), (548, 59926), (587,

59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 23

Candidate Starts for BoostSeason_18:

(Start: 23 @13915 has 10 MA's), (27, 13924), (48, 14026), (Start: 100 @14116 has 15 MA's), (Start: 119 @14158 has 3 MA's), (141, 14185), (184, 14278), (186, 14284), (220, 14347), (244, 14386), (274, 14440), (334, 14518), (360, 14569), (372, 14593), (437, 14671), (465, 14689), (482, 14719), (500, 14761), (501, 14764), (548, 14878), (596, 14956), (601, 14971), (617, 15010), (622, 15028),

Gene: Bosnia_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for Bosnia_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 75

Candidate Starts for BourbonZero_17:

(Start: 75 @16488 has 61 MA's), (90, 16512), (Start: 110 @16557 has 1 MA's), (118, 16572), (141, 16593), (188, 16689), (192, 16698), (274, 16824), (280, 16833), (331, 16893), (334, 16896), (337, 16902), (375, 16974), (393, 17007), (401, 17019), (448, 17082), (485, 17157), (503, 17208), (519, 17250), (593, 17361), (595, 17364),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 72

Candidate Starts for Bowtie_27:

(Start: 72 @19736 has 238 MA's), (104, 19793), (Start: 152 @19868 has 1 MA's), (224, 19997), (258, 20057), (293, 20117), (301, 20123), (334, 20165), (357, 20210), (360, 20216), (408, 20300), (431, 20333), (563, 20615), (568, 20624), (578, 20639), (612, 20705),

Gene: BoyNamedSue_18 Start: 16952, Stop: 17779, Start Num: 130

Candidate Starts for BoyNamedSue_18:

(Start: 130 @16952 has 36 MA's), (151, 16985), (159, 17006), (171, 17033), (236, 17147), (239, 17153), (246, 17168), (336, 17291), (360, 17333), (365, 17342), (451, 17447), (495, 17522), (501, 17543), (579, 17666), (597, 17699),

Gene: Bradissa_19 Start: 16808, Stop: 17716, Start Num: 138

Candidate Starts for Bradissa_19:

(Start: 138 @16808 has 25 MA's), (165, 16865), (251, 17015), (253, 17018), (278, 17069), (347, 17138), (368, 17177), (392, 17225), (408, 17249), (425, 17273), (510, 17465), (528, 17492), (531, 17501), (532, 17504), (540, 17519), (561, 17561), (563, 17564), (579, 17591), (597, 17627), (601, 17639), (615, 17672), (617, 17678),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 72

Candidate Starts for Bradman_26:

(Start: 72 @18067 has 238 MA's), (104, 18121), (118, 18142), (140, 18160), (174, 18235), (301, 18442), (331, 18481), (334, 18484), (357, 18529), (461, 18712), (479, 18745), (517, 18847), (563, 18934), (612, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Bradshaw_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 75

Candidate Starts for BrainDrainer_18:

(Start: 75 @15831 has 61 MA's), (90, 15855), (Start: 103 @15882 has 1 MA's), (104, 15885), (Start: 110 @15900 has 1 MA's), (141, 15933), (188, 16029), (274, 16164), (280, 16173), (331, 16233), (334, 16236), (375, 16314), (381, 16329), (396, 16353), (426, 16386), (448, 16422), (460, 16446), (470, 16464), (475, 16473), (492, 16515), (501, 16542), (519, 16590), (534, 16617), (593, 16701),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 68

Candidate Starts for Brandonk123_35:

(Start: 68 @29858 has 45 MA's), (169, 30044), (176, 30056), (188, 30083), (198, 30104), (239, 30164), (286, 30254), (316, 30290), (340, 30323), (348, 30338), (353, 30350), (373, 30380), (386, 30386), (434, 30446), (496, 30536), (536, 30626), (548, 30650), (554, 30662), (594, 30728), (611, 30767), (615, 30779),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 126

Candidate Starts for Braxoaddie_44:

(Start: 126 @30405 has 6 MA's), (Start: 154 @30441 has 2 MA's), (225, 30558), (248, 30597), (258, 30615), (282, 30666), (349, 30765), (384, 30840), (390, 30849), (435, 30924), (447, 30945), (505, 31083), (519, 31119), (534, 31158), (563, 31200), (599, 31263), (613, 31296),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Breezona_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 65

Candidate Starts for Bricole_27:

(Start: 65 @21443 has 19 MA's), (Start: 129 @21545 has 24 MA's), (146, 21563), (Start: 152 @21578 has 1 MA's), (188, 21650), (192, 21659), (247, 21737), (329, 21872), (331, 21875), (334, 21878), (371, 21947), (393, 21989), (396, 21995), (483, 22136), (492, 22157), (497, 22169), (565, 22292), (571, 22304),

Gene: BritBrat_19 Start: 16661, Stop: 17569, Start Num: 138

Candidate Starts for BritBrat_19:

(Start: 138 @16661 has 25 MA's), (165, 16718), (242, 16853), (251, 16868), (253, 16871), (278, 16922), (368, 17030), (392, 17078), (408, 17102), (420, 17120), (425, 17126), (445, 17162), (510, 17318), (528, 17345), (532, 17357), (540, 17372), (563, 17417), (573, 17435), (579, 17444), (597, 17480), (598, 17483), (613, 17519), (615, 17525), (617, 17531),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 75

Candidate Starts for Bromden_18:

(Start: 75 @16160 has 61 MA's), (90, 16184), (Start: 103 @16211 has 1 MA's), (104, 16214), (Start: 110 @16229 has 1 MA's), (141, 16262), (188, 16358), (274, 16493), (280, 16502), (334, 16565), (375, 16643), (381, 16658), (396, 16682), (448, 16751), (460, 16775), (470, 16793), (476, 16805), (501, 16871), (519, 16919), (534, 16946), (593, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for BruceB_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355,

16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 99

Candidate Starts for BrutonGaster_35:

(Start: 79 @25015 has 49 MA's), (91, 25036), (Start: 99 @25054 has 9 MA's), (Start: 130 @25102 has 36 MA's), (185, 25201), (260, 25333), (336, 25444), (365, 25498), (388, 25522), (407, 25537), (473, 25633), (499, 25681), (511, 25699), (592, 25846), (613, 25894), (614, 25897),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 80

Candidate Starts for Bryce_22:

(Start: 80 @15454 has 36 MA's), (Start: 100 @15493 has 15 MA's), (Start: 152 @15574 has 1 MA's), (Start: 154 @15580 has 2 MA's), (187, 15649), (241, 15727), (254, 15754), (334, 15865), (415, 15961), (517, 16090), (526, 16108), (555, 16165), (563, 16177), (626, 16315),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 21

Candidate Starts for Bryler_21:

(Start: 21 @15211 has 217 MA's), (48, 15331), (Start: 100 @15421 has 15 MA's), (141, 15490), (244, 15691), (390, 15916), (436, 15976), (465, 15997), (500, 16069), (501, 16072), (502, 16075), (536, 16162), (548, 16186), (596, 16264), (601, 16279), (617, 16318), (622, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 47

Candidate Starts for Brylie_21:

(Start: 47 @16293 has 17 MA's), (Start: 65 @16338 has 19 MA's), (92, 16368), (151, 16476), (221, 16626), (249, 16674), (297, 16758), (304, 16767), (337, 16809), (443, 16986), (467, 17019), (489, 17055), (583, 17250), (616, 17322), (617, 17325),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 72

Candidate Starts for Bud_27:

(Start: 72 @19742 has 238 MA's), (104, 19799), (Start: 152 @19874 has 1 MA's), (224, 20003), (258, 20063), (293, 20123), (301, 20129), (334, 20171), (357, 20216), (360, 20222), (408, 20306), (431, 20339), (563, 20621), (568, 20630), (578, 20645), (612, 20711),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 131

Candidate Starts for Buggaboo_41:

(Start: 131 @29704 has 11 MA's), (176, 29785), (192, 29821), (254, 29911), (282, 29968), (417, 30202), (444, 30229), (470, 30280), (505, 30373), (563, 30490), (613, 30586), (615, 30592), (619, 30607),

Gene: Buggy_29 Start: 19683, Stop: 20699, Start Num: 72

Candidate Starts for Buggy_29:

(Start: 72 @19683 has 238 MA's), (118, 19758), (140, 19776), (155, 19812), (174, 19851), (301, 20058), (331, 20097), (334, 20100), (376, 20187), (479, 20367), (517, 20469), (555, 20544), (563, 20556),

Gene: Bunnybear_17 Start: 16957, Stop: 17784, Start Num: 130

Candidate Starts for Bunnybear_17:

(Start: 130 @16957 has 36 MA's), (236, 17152), (239, 17158), (246, 17173), (285, 17236), (334, 17293), (338, 17302), (360, 17338), (365, 17347), (451, 17452), (597, 17704),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 72

Candidate Starts for C3_25:

(Start: 72 @19185 has 238 MA's), (104, 19239), (118, 19260), (140, 19278), (235, 19449), (301, 19560), (331, 19599), (334, 19602), (357, 19647), (408, 19737), (511, 19950), (517, 19965), (555, 20040), (563, 20052), (578, 20076), (612, 20142),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 115

Candidate Starts for C3PO_30:

(Start: 115 @27616 has 8 MA's), (139, 27640), (158, 27685), (187, 27745), (218, 27784), (269, 27880), (368, 28042), (381, 28075), (444, 28150), (455, 28174), (511, 28249), (539, 28315), (563, 28351), (579, 28378), (608, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for CLED96_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 72

Candidate Starts for CRB1_27:

(Start: 72 @19176 has 238 MA's), (104, 19230), (140, 19269), (174, 19344), (258, 19485), (301, 19551), (331, 19590), (334, 19593), (461, 19821), (517, 19956), (527, 19977), (555, 20031), (563, 20043), (612, 20133),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for CREW_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 131

Candidate Starts for Cafasso_18:

(12, 15190), (Start: 131 @15643 has 11 MA's), (149, 15670), (164, 15703), (230, 15805), (244, 15832), (256, 15856), (331, 15958), (350, 15991), (365, 16021), (381, 16057), (384, 16063), (390, 16072), (442, 16150), (455, 16180), (460, 16186), (469, 16201), (511, 16306), (544, 16372), (600, 16471), (615, 16504), (626, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 21

Candidate Starts for Cain_21:

(Start: 21 @15199 has 217 MA's), (48, 15319), (Start: 100 @15409 has 15 MA's), (141, 15478), (244, 15679), (390, 15904), (436, 15964), (465, 15985), (500, 16057), (501, 16060), (502, 16063), (536, 16150), (548, 16174), (596, 16252), (601, 16267), (617, 16306), (622, 16324),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 60

Candidate Starts for Calm_17:

(Start: 60 @15861 has 10 MA's), (Start: 75 @15879 has 61 MA's), (90, 15903), (104, 15933), (Start: 110 @15948 has 1 MA's), (141, 15981), (227, 16125), (272, 16206), (331, 16281), (334, 16284), (337, 16290), (361, 16335), (375, 16362), (393, 16395), (396, 16401), (426, 16434), (433, 16443), (448, 16470), (501, 16590), (519, 16638), (567, 16704), (571, 16710), (593, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 22

Candidate Starts for Cambiare_18:

(Start: 22 @16198 has 2 MA's), (48, 16327), (Start: 54 @16345 has 2 MA's), (88, 16396), (Start: 100 @16420 has 15 MA's), (Start: 119 @16462 has 3 MA's), (Start: 121 @16465 has 1 MA's), (140, 16486), (144, 16495), (159, 16531), (176, 16567), (180, 16573), (187, 16591), (215, 16642), (301, 16777), (340, 16831), (371, 16891), (482, 17056), (500, 17098), (529, 17176), (583, 17272), (585, 17275), (615, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Camri_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 72

Candidate Starts for Candra_30:

(Start: 72 @19002 has 238 MA's), (104, 19056), (140, 19095), (188, 19200), (274, 19347), (301, 19377), (331, 19416), (334, 19419), (357, 19464), (385, 19524), (495, 19722), (563, 19872), (568, 19881), (612, 19962),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 72

Candidate Starts for Caprice_46:

(Start: 72 @25826 has 238 MA's), (Start: 152 @25958 has 1 MA's), (165, 25982), (168, 25991), (172, 25997), (177, 26006), (188, 26030), (192, 26039), (198, 26051), (269, 26177), (323, 26258), (334, 26273), (337, 26279), (393, 26387), (475, 26513), (478, 26519), (505, 26594), (542, 26669), (545, 26675), (552, 26687), (554, 26690), (602, 26777), (604, 26780), (606, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Capricorn_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 102

Candidate Starts for CaptainKirk2_18:

(Start: 98 @15811 has 6 MA's), (Start: 102 @15817 has 26 MA's), (188, 15973), (236, 16054), (292, 16153), (366, 16261), (437, 16345), (488, 16411), (511, 16456), (564, 16546), (592, 16588),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 72

Candidate Starts for Caraxes_26:

(Start: 72 @17822 has 238 MA's), (Start: 133 @17915 has 1 MA's), (144, 17930), (155, 17957), (301, 18203), (331, 18242), (334, 18245), (357, 18290), (408, 18380), (461, 18473), (479, 18506), (517, 18608), (543, 18659), (555, 18683), (563, 18695), (578, 18719), (612, 18785),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 94

Candidate Starts for Cardigan_46:

(Start: 94 @29891 has 2 MA's), (150, 29978), (183, 30044), (188, 30059), (289, 30236), (336, 30293), (365, 30347), (388, 30371), (462, 30470), (473, 30488), (499, 30536), (511, 30554), (523, 30578), (613, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 102

Candidate Starts for CarolAnn_18:

(Start: 98 @15754 has 6 MA's), (Start: 102 @15760 has 26 MA's), (188, 15916), (236, 15997), (292, 16096), (366, 16204), (437, 16288), (488, 16354), (490, 16360), (564, 16489), (592, 16531),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for CaseJules_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Cashline_19 Start: 16485, Stop: 17393, Start Num: 138

Candidate Starts for Cashline_19:

(Start: 138 @16485 has 25 MA's), (165, 16542), (242, 16677), (251, 16692), (253, 16695), (278, 16746), (368, 16854), (408, 16926), (425, 16950), (445, 16986), (510, 17142), (528, 17169), (532, 17181), (540, 17196), (563, 17241), (573, 17259), (579, 17268), (597, 17304), (598, 17307), (613, 17343), (615, 17349), (617, 17355),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for CassieYates_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 72

Candidate Starts for Catalina_28:

(Start: 72 @20528 has 238 MA's), (87, 20546), (118, 20603), (140, 20621), (155, 20657), (258, 20837), (274, 20873), (301, 20903), (334, 20945), (421, 21104), (495, 21248), (517, 21311), (555, 21386), (563, 21398), (578, 21422),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Cedasite_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 72

Candidate Starts for Centaur_29:

(Start: 72 @19640 has 238 MA's), (118, 19715), (140, 19733), (155, 19769), (174, 19808), (274, 19985), (301, 20015), (331, 20054), (334, 20057), (563, 20513), (578, 20537),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 68

Candidate Starts for ChadMasterC_34:

(Start: 68 @30723 has 45 MA's), (169, 30909), (176, 30921), (188, 30948), (198, 30969), (239, 31029), (284, 31116), (286, 31119), (316, 31155), (340, 31188), (348, 31203), (353, 31215), (373, 31245), (386, 31251), (434, 31311), (496, 31401), (536, 31491), (548, 31515), (554, 31527), (594, 31593), (611, 31632), (615, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 79

Candidate Starts for Chadwick_24:

(Start: 79 @17936 has 49 MA's), (140, 18032), (Start: 154 @18065 has 2 MA's), (155, 18068), (174, 18107), (258, 18242), (272, 18272), (293, 18302), (301, 18308), (317, 18326), (334, 18350), (355, 18392), (563, 18806), (612, 18896),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Chance64_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 21

Candidate Starts for Chancellor_23:

(Start: 21 @17500 has 217 MA's), (27, 17518), (Start: 40 @17590 has 2 MA's), (48, 17620), (Start: 100 @17710 has 15 MA's), (Start: 119 @17752 has 3 MA's), (140, 17776), (187, 17881), (274, 18034), (328, 18103), (334, 18109), (437, 18262), (465, 18280), (482, 18310), (500, 18352), (501, 18355), (601, 18562), (617, 18601), (622, 18619),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 72

Candidate Starts for Changeling_29:

(Start: 72 @21010 has 238 MA's), (140, 21103), (155, 21139), (174, 21178), (301, 21385), (331, 21424), (334, 21427), (357, 21472), (461, 21658), (479, 21691), (495, 21730), (563, 21880),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 72

Candidate Starts for Chargerpower_27:

(Start: 72 @18273 has 238 MA's), (87, 18291), (140, 18366), (155, 18402), (174, 18441), (224, 18522), (258, 18582), (301, 18648), (334, 18690), (454, 18900), (470, 18936), (563, 19152), (568, 19161), (612, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 72

Candidate Starts for Charm_27:

(Start: 72 @18681 has 238 MA's), (87, 18699), (104, 18735), (140, 18774), (258, 18990), (274, 19026), (301, 19056), (334, 19098), (357, 19143), (413, 19248), (457, 19320), (470, 19344), (474, 19350), (555, 19548), (563, 19560), (568, 19569), (578, 19584), (612, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 68

Candidate Starts for Charming_34:

(Start: 68 @29358 has 45 MA's), (169, 29544), (176, 29556), (188, 29583), (198, 29604), (239, 29664), (286, 29754), (316, 29790), (340, 29823), (348, 29838), (353, 29850), (373, 29880), (386, 29886), (434, 29946), (496, 30036), (536, 30126), (548, 30150), (554, 30162), (594, 30228), (600, 30243), (611, 30267), (615, 30279), (624, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 72

Candidate Starts for Chartreuse_30:

(Start: 72 @18913 has 238 MA's), (104, 18967), (140, 19006), (188, 19111), (274, 19258), (301, 19288), (331, 19327), (334, 19330), (357, 19375), (385, 19435), (495, 19633), (563, 19783), (568, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 75

Candidate Starts for Chaser_17:

(Start: 75 @15760 has 61 MA's), (90, 15784), (Start: 103 @15811 has 1 MA's), (104, 15814), (Start: 110 @15829 has 1 MA's), (141, 15862), (188, 15958), (274, 16093), (280, 16102), (331, 16162), (334,

16165), (375, 16243), (381, 16258), (396, 16282), (433, 16324), (448, 16351), (460, 16375), (470, 16393), (492, 16444), (501, 16471), (519, 16519), (534, 16546), (593, 16630),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 72

Candidate Starts for Che12_29:

(Start: 72 @18081 has 238 MA's), (140, 18174), (155, 18210), (277, 18432), (301, 18456), (331, 18495), (334, 18498), (408, 18633), (461, 18726), (563, 18948), (578, 18972), (612, 19038),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 21

Candidate Starts for CheetoDust_22:

(Start: 21 @16028 has 217 MA's), (48, 16145), (Start: 100 @16235 has 15 MA's), (108, 16256), (Start: 119 @16277 has 3 MA's), (141, 16304), (274, 16559), (336, 16640), (373, 16715), (390, 16730), (482, 16841), (500, 16883), (536, 16976), (548, 17000), (601, 17093), (617, 17132), (622, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 21

Candidate Starts for Cheetobro_23:

(Start: 21 @17497 has 217 MA's), (27, 17515), (Start: 40 @17587 has 2 MA's), (48, 17617), (Start: 100 @17707 has 15 MA's), (Start: 119 @17749 has 3 MA's), (140, 17773), (187, 17878), (274, 18031), (328, 18100), (334, 18106), (437, 18259), (465, 18277), (482, 18307), (500, 18349), (501, 18352), (601, 18559), (617, 18598), (622, 18616),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Cherrybomb426_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 126

Candidate Starts for ChewyVIII_55:

(Start: 126 @37234 has 6 MA's), (183, 37336), (258, 37456), (267, 37477), (282, 37507), (313, 37546), (352, 37612), (410, 37726), (469, 37828), (479, 37855), (563, 38038), (588, 38086), (607, 38125), (610, 38131),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 70

Candidate Starts for Chickadee_31:

(Start: 70 @26548 has 24 MA's), (86, 26560), (Start: 99 @26587 has 9 MA's), (123, 26635), (Start: 126 @26638 has 6 MA's), (156, 26689), (192, 26767), (237, 26863), (274, 26935), (363, 27064), (377, 27097), (412, 27133), (514, 27319), (528, 27349), (541, 27376), (559, 27412), (580, 27445), (616, 27514),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 72

Candidate Starts for ChipMunk_29:

(Start: 72 @19587 has 238 MA's), (118, 19662), (140, 19680), (155, 19716), (174, 19755), (301, 19962), (331, 20001), (334, 20004), (376, 20091), (479, 20271), (517, 20373), (555, 20448), (563, 20460),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 47

Candidate Starts for Chop_21:

(Start: 47 @16827 has 17 MA's), (Start: 65 @16872 has 19 MA's), (92, 16902), (151, 17010), (221, 17160), (249, 17208), (297, 17292), (304, 17301), (337, 17343), (443, 17520), (489, 17589), (561, 17751), (583, 17784), (616, 17856), (617, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 21

Candidate Starts for Chris_21:

(Start: 21 @15243 has 217 MA's), (48, 15360), (Start: 54 @15378 has 2 MA's), (108, 15471), (141, 15519), (244, 15720), (309, 15819), (323, 15840), (372, 15927), (390, 15945), (437, 16008), (469, 16032), (482, 16056), (500, 16098), (501, 16101), (521, 16152), (536, 16191), (601, 16308), (613, 16335), (617, 16347), (622, 16365),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 60

Candidate Starts for CicholasNage_17:

(Start: 60 @15849 has 10 MA's), (Start: 75 @15867 has 61 MA's), (90, 15891), (104, 15921), (Start: 110 @15936 has 1 MA's), (141, 15969), (227, 16113), (272, 16194), (331, 16269), (334, 16272), (337, 16278), (361, 16323), (375, 16350), (393, 16383), (396, 16389), (426, 16422), (433, 16431), (448, 16458), (501, 16578), (519, 16626), (567, 16692), (571, 16698), (593, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 77

Candidate Starts for ClamChowder_32:

(Start: 77 @25634 has 29 MA's), (135, 25739), (166, 25808), (169, 25814), (183, 25838), (188, 25853), (434, 26213), (446, 26228), (458, 26246), (518, 26348), (536, 26390), (554, 26426), (607, 26522), (624, 26573),

Gene: Clap_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Clap_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Clark_19 Start: 16513, Stop: 17349, Start Num: 120

Candidate Starts for Clark_19:

(Start: 120 @16513 has 43 MA's), (Start: 130 @16522 has 36 MA's), (Start: 154 @16564 has 2 MA's), (167, 16597), (176, 16612), (239, 16723), (242, 16729), (268, 16768), (305, 16822), (336, 16861), (360, 16903), (386, 16933), (402, 16942), (495, 17092), (533, 17182), (597, 17269),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 72

Candidate Starts for Clarkson_50:

(Start: 72 @26438 has 238 MA's), (Start: 152 @26570 has 1 MA's), (165, 26594), (168, 26603), (172, 26609), (177, 26618), (188, 26642), (192, 26651), (198, 26663), (203, 26675), (269, 26789), (323, 26870), (334, 26885), (337, 26891), (393, 26999), (475, 27125), (478, 27131), (505, 27206), (542, 27281), (545, 27287), (552, 27299), (554, 27302), (602, 27389), (604, 27392), (606, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 75

Candidate Starts for Claus_17:

(Start: 75 @16055 has 61 MA's), (90, 16079), (104, 16109), (155, 16190), (181, 16235), (329, 16460), (331, 16463), (334, 16466), (350, 16496), (378, 16553), (396, 16583), (448, 16652), (457, 16670), (492, 16745), (497, 16757), (519, 16820), (534, 16847), (571, 16910), (593, 16949), (600, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for Clautastrophe_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (476, 17138), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 72

Candidate Starts for CloudWang3_30:

(Start: 72 @18960 has 238 MA's), (87, 18978), (104, 19014), (140, 19053), (188, 19158), (301, 19335), (331, 19374), (334, 19377), (376, 19464), (385, 19485), (461, 19611), (495, 19683), (563, 19833), (568, 19842), (612, 19923),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 77

Candidate Starts for Clown_34:

(Start: 77 @27669 has 29 MA's), (81, 27678), (108, 27726), (135, 27765), (156, 27810), (169, 27840), (183, 27864), (188, 27879), (220, 27936), (286, 28053), (290, 28056), (434, 28236), (518, 28371), (532, 28407), (536, 28413), (554, 28449), (590, 28509), (594, 28515), (598, 28524), (607, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 99

Candidate Starts for ClubL_47:

(Start: 99 @28631 has 9 MA's), (Start: 130 @28679 has 36 MA's), (150, 28706), (185, 28778), (220, 28844), (239, 28874), (302, 28982), (365, 29075), (388, 29099), (407, 29114), (473, 29210), (499, 29258), (599, 29438), (614, 29474),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 126

Candidate Starts for CoffeeBean_44:

(Start: 126 @30363 has 6 MA's), (Start: 154 @30399 has 2 MA's), (225, 30516), (248, 30555), (258, 30573), (282, 30624), (349, 30723), (384, 30798), (390, 30807), (435, 30882), (447, 30903), (505, 31041), (519, 31077), (534, 31116), (563, 31158), (599, 31221), (613, 31254),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 21

Candidate Starts for Coleslaw_17:

(6, 15135), (Start: 21 @15468 has 217 MA's), (48, 15588), (Start: 54 @15606 has 2 MA's), (Start: 80 @15651 has 36 MA's), (88, 15657), (118, 15720), (144, 15756), (175, 15825), (176, 15828), (186, 15849), (215, 15903), (244, 15948), (263, 15978), (334, 16080), (340, 16092), (346, 16104), (355, 16122), (465, 16287), (482, 16317), (493, 16335), (500, 16359), (549, 16479), (601, 16569), (615, 16602),

Gene: Colin_31 Start: 20885, Stop: 21898, Start Num: 72

Candidate Starts for Colin_31:

(Start: 72 @20885 has 238 MA's), (87, 20903), (118, 20960), (140, 20978), (155, 21014), (174, 21053), (301, 21260), (331, 21299), (334, 21302), (357, 21347), (384, 21407), (408, 21440), (460, 21530), (461, 21533), (479, 21566), (563, 21755), (568, 21764),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 26

Candidate Starts for Collard_20:

(Start: 26 @16380 has 22 MA's), (Start: 80 @16554 has 36 MA's), (118, 16620), (Start: 119 @16623 has 3 MA's), (141, 16650), (186, 16749), (244, 16851), (274, 16905), (298, 16935), (323, 16971), (325, 16974), (334, 16983), (372, 17058), (373, 17061), (412, 17097), (437, 17139), (465, 17157), (469, 17163), (482, 17187), (484, 17190), (500, 17229), (601, 17439), (617, 17478), (622, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 119

Candidate Starts for Colleen_18:

(Start: 119 @16550 has 3 MA's), (Start: 121 @16553 has 1 MA's), (172, 16637), (256, 16775), (444, 17063),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 131

Candidate Starts for Commandaria_42:

(Start: 131 @30197 has 11 MA's), (176, 30284), (189, 30314), (225, 30359), (282, 30467), (390, 30650), (444, 30731), (447, 30737), (460, 30764), (549, 30980), (563, 31007), (613, 31103),

Gene: Confidence_19 Start: 16655, Stop: 17563, Start Num: 138

Candidate Starts for Confidence_19:

(Start: 138 @16655 has 25 MA's), (165, 16712), (242, 16847), (251, 16862), (253, 16865), (278, 16916), (368, 17024), (392, 17072), (408, 17096), (420, 17114), (425, 17120), (445, 17156), (510, 17312), (528, 17339), (532, 17351), (540, 17366), (563, 17411), (579, 17438), (597, 17474), (598, 17477), (613, 17513), (615, 17519), (617, 17525),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 72

Candidate Starts for Conquerage_28:

(Start: 72 @20557 has 238 MA's), (87, 20575), (118, 20632), (140, 20650), (155, 20686), (258, 20866), (274, 20902), (301, 20932), (334, 20974), (421, 21133), (495, 21277), (517, 21340), (555, 21415), (563, 21427), (578, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 79

Candidate Starts for Conspiracy_23:

(Start: 79 @18474 has 49 MA's), (140, 18570), (Start: 154 @18603 has 2 MA's), (155, 18606), (174, 18645), (196, 18693), (301, 18846), (317, 18864), (334, 18888), (355, 18930), (511, 19242), (563, 19344), (579, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 79

Candidate Starts for Coog_23:

(Start: 79 @18617 has 49 MA's), (140, 18713), (Start: 154 @18746 has 2 MA's), (155, 18749), (174, 18788), (258, 18923), (293, 18983), (301, 18989), (317, 19007), (334, 19031), (355, 19073), (511, 19385), (563, 19487), (579, 19514), (612, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 72

Candidate Starts for Cookiedough_30:

(Start: 72 @18959 has 238 MA's), (104, 19013), (140, 19052), (188, 19157), (274, 19304), (301, 19334), (331, 19373), (334, 19376), (357, 19421), (385, 19481), (495, 19679), (563, 19829), (568, 19838),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 72

Candidate Starts for Corazon_47:

(Start: 72 @26391 has 238 MA's), (Start: 152 @26523 has 1 MA's), (165, 26547), (168, 26556), (172, 26562), (177, 26571), (188, 26595), (192, 26604), (198, 26616), (203, 26628), (269, 26742), (323, 26823), (334, 26838), (337, 26844), (393, 26952), (475, 27078), (478, 27084), (505, 27159), (542, 27234), (545, 27240), (552, 27252), (554, 27255), (602, 27342), (604, 27345), (606, 27348),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for CosmicSans_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: CoveyB_33 Start: 25434, Stop: 26378, Start Num: 77

Candidate Starts for CoveyB_33:

(Start: 77 @25434 has 29 MA's), (135, 25539), (166, 25608), (169, 25614), (183, 25638), (188, 25653), (434, 26013), (446, 26028), (458, 26046), (518, 26148), (536, 26190), (554, 26226), (607, 26322), (624, 26373),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 41

Candidate Starts for Cracklewink_23:

(Start: 41 @18745 has 5 MA's), (69, 18811), (78, 18820), (108, 18883), (118, 18901), (Start: 121 @18907 has 1 MA's), (186, 19030), (198, 19057), (199, 19060), (220, 19081), (280, 19183), (289, 19192), (309, 19219), (355, 19294), (407, 19336), (422, 19363), (482, 19432), (484, 19435), (502, 19477), (521, 19525), (524, 19534), (541, 19576), (549, 19588), (586, 19645), (617, 19714),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 21

Candidate Starts for Crespo_17:

(6, 15145), (Start: 21 @15478 has 217 MA's), (48, 15598), (Start: 54 @15616 has 2 MA's), (Start: 80 @15661 has 36 MA's), (88, 15667), (118, 15730), (144, 15766), (175, 15835), (176, 15838), (186, 15859), (215, 15913), (244, 15958), (263, 15988), (334, 16090), (340, 16102), (346, 16114), (355, 16132), (465, 16297), (482, 16327), (493, 16345), (500, 16369), (549, 16489), (601, 16579), (615, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 21

Candidate Starts for CrimD_22:

(Start: 21 @15989 has 217 MA's), (48, 16106), (Start: 100 @16196 has 15 MA's), (108, 16217), (Start: 119 @16238 has 3 MA's), (141, 16265), (274, 16520), (336, 16601), (373, 16676), (390, 16691), (482, 16802), (500, 16844), (536, 16937), (548, 16961), (601, 17054), (617, 17093), (622, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Crossroads_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 72

Candidate Starts for Crucio_27:

(Start: 72 @19105 has 238 MA's), (118, 19180), (140, 19198), (155, 19234), (174, 19273), (301, 19480), (331, 19519), (334, 19522), (479, 19789), (517, 19891), (555, 19966), (563, 19978), (612, 20068),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 115

Candidate Starts for Cruella_30:

(Start: 115 @27616 has 8 MA's), (139, 27640), (158, 27685), (187, 27745), (218, 27784), (269, 27880), (368, 28042), (381, 28075), (444, 28150), (455, 28174), (511, 28249), (539, 28315), (563, 28351), (579, 28378), (608, 28435),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 79

Candidate Starts for Cuco_23:

(Start: 79 @18647 has 49 MA's), (140, 18743), (Start: 154 @18776 has 2 MA's), (155, 18779), (174, 18818), (258, 18953), (293, 19013), (301, 19019), (317, 19037), (334, 19061), (355, 19103), (511, 19415), (563, 19517), (612, 19607),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 99

Candidate Starts for Cucurbita_49:

(Start: 99 @30001 has 9 MA's), (Start: 130 @30049 has 36 MA's), (150, 30076), (185, 30148), (220, 30214), (239, 30244), (302, 30352), (365, 30445), (388, 30469), (407, 30484), (473, 30580), (499, 30628), (599, 30808), (614, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 96

Candidate Starts for Culver_47:

(Start: 96 @28434 has 9 MA's), (Start: 99 @28440 has 9 MA's), (Start: 130 @28488 has 36 MA's), (150, 28515), (185, 28587), (220, 28653), (239, 28683), (302, 28791), (365, 28884), (388, 28908), (407, 28923), (473, 29019), (499, 29067), (599, 29247), (614, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 21

Candidate Starts for Curiosium_23:

(Start: 21 @15737 has 217 MA's), (48, 15854), (108, 15965), (141, 16013), (274, 16268), (277, 16274), (336, 16349), (390, 16439), (482, 16550), (500, 16592), (536, 16685), (548, 16709), (601, 16802), (617, 16841), (622, 16859),

Gene: Cynthia_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Cynthia_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for D29_27:

(Start: 72 @19042 has 238 MA's), (104, 19096), (118, 19117), (140, 19135), (235, 19306), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for D32_30:

(Start: 72 @19042 has 238 MA's), (104, 19096), (118, 19117), (140, 19135), (235, 19306), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for DBQu4n_30:

(Start: 72 @19042 has 238 MA's), (118, 19117), (140, 19135), (235, 19306), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 75

Candidate Starts for DHan_17:

(Start: 75 @15991 has 61 MA's), (90, 16015), (104, 16045), (155, 16126), (181, 16171), (329, 16396), (331, 16399), (334, 16402), (350, 16432), (378, 16489), (396, 16519), (448, 16588), (457, 16606), (492, 16681), (497, 16693), (519, 16756), (534, 16783), (571, 16846), (593, 16885), (600, 16897),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for DMoney_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 21

Candidate Starts for DNAIII_0017:

(6, 15153), (Start: 21 @15486 has 217 MA's), (48, 15606), (Start: 54 @15624 has 2 MA's), (Start: 80 @15669 has 36 MA's), (88, 15675), (118, 15738), (144, 15774), (175, 15843), (176, 15846), (186,

15867), (215, 15921), (244, 15966), (263, 15996), (334, 16098), (340, 16110), (346, 16122), (355, 16140), (465, 16305), (482, 16335), (493, 16353), (500, 16377), (549, 16497), (601, 16587), (615, 16620),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 72

Candidate Starts for DaVinci_30:

(Start: 72 @18967 has 238 MA's), (104, 19021), (140, 19060), (188, 19165), (274, 19312), (301, 19342), (331, 19381), (334, 19384), (357, 19429), (385, 19489), (495, 19687), (563, 19837), (568, 19846),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 26

Candidate Starts for Dadosky_20:

(Start: 26 @16302 has 22 MA's), (Start: 80 @16476 has 36 MA's), (118, 16542), (141, 16572), (186, 16671), (244, 16773), (274, 16827), (298, 16857), (323, 16893), (325, 16896), (334, 16905), (372, 16980), (373, 16983), (404, 17004), (412, 17019), (437, 17061), (465, 17079), (469, 17085), (482, 17109), (484, 17112), (500, 17151), (540, 17253), (601, 17361), (617, 17400), (622, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 42

Candidate Starts for Daegal_22:

(Start: 42 @16606 has 22 MA's), (45, 16615), (Start: 100 @16711 has 15 MA's), (104, 16720), (106, 16729), (141, 16780), (144, 16786), (188, 16882), (197, 16900), (234, 16969), (239, 16978), (249, 16999), (252, 17005), (255, 17011), (257, 17014), (297, 17086), (299, 17089), (394, 17245), (428, 17296), (439, 17314), (482, 17386), (493, 17404), (525, 17488), (536, 17515), (537, 17518), (557, 17554), (570, 17572), (596, 17614), (601, 17629), (602, 17632), (615, 17662), (617, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 129

Candidate Starts for Dalilpop_45:

(2, 30261), (Start: 129 @31200 has 24 MA's), (176, 31278), (267, 31431), (349, 31560), (378, 31623), (447, 31731), (563, 31986), (604, 32061), (613, 32082),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 72

Candidate Starts for Dalmatian_27:

(Start: 72 @19252 has 238 MA's), (118, 19327), (140, 19345), (155, 19381), (174, 19420), (301, 19627), (331, 19666), (334, 19669), (479, 19936), (517, 20038), (555, 20113), (563, 20125), (612, 20215), (613, 20218),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Dalmuri_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 75

Candidate Starts for DanBing_16:

(Start: 75 @15895 has 61 MA's), (90, 15919), (104, 15949), (155, 16030), (181, 16075), (329, 16300), (331, 16303), (334, 16306), (350, 16336), (378, 16393), (396, 16423), (448, 16492), (457, 16510), (492, 16585), (497, 16597), (519, 16660), (534, 16687), (571, 16750), (593, 16789), (600, 16801),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 79

Candidate Starts for Danforth_22:

(Start: 79 @17615 has 49 MA's), (Start: 152 @17738 has 1 MA's), (Start: 154 @17744 has 2 MA's), (188, 17816), (258, 17921), (269, 17948), (334, 18038), (445, 18239), (460, 18269), (461, 18272), (555, 18482), (579, 18521), (603, 18569), (612, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 77

Candidate Starts for Danyall_32:

(Start: 77 @25434 has 29 MA's), (135, 25539), (166, 25608), (169, 25614), (183, 25638), (188, 25653), (434, 26013), (446, 26028), (458, 26046), (518, 26148), (536, 26190), (554, 26226), (607, 26322), (624, 26373),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 96

Candidate Starts for Daredevil_28:

(Start: 96 @24544 has 9 MA's), (150, 24619), (182, 24682), (185, 24691), (188, 24700), (259, 24820), (292, 24880), (365, 24988), (473, 25123), (499, 25171), (536, 25246), (564, 25294), (596, 25342), (599, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Darionha_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 72

Candidate Starts for Darrell_29:

(Start: 72 @20724 has 238 MA's), (87, 20742), (Start: 100 @20769 has 15 MA's), (118, 20799), (140, 20817), (258, 21033), (274, 21069), (301, 21099), (334, 21141), (413, 21291), (421, 21300), (470, 21387), (495, 21453), (555, 21591), (563, 21603), (568, 21612), (578, 21627),

Gene: DarthP_21 Start: 16442, Stop: 17578, Start Num: 21

Candidate Starts for DarthP_21:

(Start: 21 @16442 has 217 MA's), (48, 16559), (Start: 54 @16577 has 2 MA's), (69, 16610), (Start: 100 @16649 has 15 MA's), (141, 16718), (186, 16817), (188, 16823), (244, 16919), (274, 16973), (323, 17039), (334, 17051), (437, 17207), (469, 17231), (500, 17297), (501, 17300), (502, 17303), (536, 17390), (601, 17507), (617, 17546), (622, 17564),

Gene: DarthPhader_28 Start: 20722, Stop: 21738, Start Num: 72

Candidate Starts for DarthPhader_28:

(Start: 72 @20722 has 238 MA's), (118, 20797), (140, 20815), (155, 20851), (174, 20890), (301, 21097), (331, 21136), (334, 21139), (408, 21280), (454, 21352), (563, 21595),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 21

Candidate Starts for Dartin_22:

(Start: 21 @15375 has 217 MA's), (48, 15495), (Start: 100 @15585 has 15 MA's), (141, 15654), (186, 15753), (187, 15756), (244, 15855), (274, 15909), (336, 15990), (373, 16065), (390, 16080), (469, 16167), (482, 16191), (500, 16233), (501, 16236), (521, 16287), (536, 16326), (585, 16410), (596, 16428), (601, 16443), (617, 16482), (622, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 115

Candidate Starts for Darwin_33:

(Start: 115 @27301 has 8 MA's), (139, 27325), (158, 27370), (187, 27430), (218, 27469), (269, 27565), (368, 27727), (381, 27760), (444, 27835), (455, 27859), (539, 28000), (563, 28036), (579, 28063), (608, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 96

Candidate Starts for DatBoi_30:

(Start: 96 @26971 has 9 MA's), (Start: 110 @26992 has 1 MA's), (150, 27046), (259, 27247), (283, 27298), (292, 27307), (321, 27343), (365, 27415), (368, 27421), (473, 27550), (499, 27598), (536, 27673), (564, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 21

Candidate Starts for Deby_22:

(Start: 21 @15985 has 217 MA's), (48, 16102), (Start: 100 @16192 has 15 MA's), (108, 16213), (Start: 119 @16234 has 3 MA's), (141, 16261), (274, 16516), (336, 16597), (373, 16672), (390, 16687), (482, 16798), (500, 16840), (536, 16933), (548, 16957), (601, 17050), (617, 17089), (622, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for DeepSoil15_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 76

Candidate Starts for DekHockey33_29:

(Start: 76 @18241 has 20 MA's), (Start: 152 @18355 has 1 MA's), (Start: 154 @18361 has 2 MA's), (155, 18364), (284, 18598), (461, 18865), (493, 18919), (563, 19075),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 47

Candidate Starts for DelRio_22:

(Start: 47 @17301 has 17 MA's), (Start: 65 @17346 has 19 MA's), (92, 17376), (151, 17484), (221, 17634), (249, 17682), (297, 17766), (304, 17775), (337, 17817), (443, 17994), (489, 18063), (583, 18258), (616, 18330), (617, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 102

Candidate Starts for Delian_18:

(Start: 98 @15811 has 6 MA's), (Start: 102 @15817 has 26 MA's), (188, 15973), (236, 16054), (292, 16153), (366, 16261), (437, 16345), (488, 16411), (511, 16456), (564, 16546), (592, 16588),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 72

Candidate Starts for Deloris_28:

(Start: 72 @19613 has 238 MA's), (140, 19706), (155, 19742), (174, 19781), (301, 19988), (331, 20027), (334, 20030), (461, 20258), (479, 20291), (517, 20393), (527, 20414), (555, 20468), (563, 20480), (612, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 70

Candidate Starts for Delrey21_33:

(Start: 70 @29967 has 24 MA's), (123, 30054), (149, 30090), (165, 30126), (237, 30282), (239, 30285), (274, 30354), (321, 30417), (326, 30426), (377, 30516), (411, 30549), (412, 30552), (501, 30705), (517, 30747), (528, 30768), (541, 30795), (552, 30816), (556, 30825), (559, 30831), (580, 30864), (582, 30867), (605, 30912), (609, 30921), (616, 30933),

Gene: Denise_16 Start: 13946, Stop: 14794, Start Num: 120

Candidate Starts for Denise_16:

(Start: 120 @13946 has 43 MA's), (Start: 130 @13955 has 36 MA's), (167, 14030), (171, 14036), (204, 14108), (216, 14123), (228, 14141), (253, 14174), (270, 14207), (315, 14273), (334, 14294), (336, 14297), (340, 14306), (346, 14318), (353, 14333), (520, 14597), (523, 14603), (615, 14759), (617,

14765),

Gene: Derg_31 Start: 28515, Stop: 29471, Start Num: 68

Candidate Starts for Derg_31:

(Start: 68 @28515 has 45 MA's), (156, 28671), (169, 28701), (176, 28713), (178, 28716), (183, 28725), (188, 28740), (193, 28752), (286, 28911), (316, 28947), (353, 29007), (386, 29043), (434, 29103), (496, 29193), (536, 29283), (548, 29307), (554, 29319), (594, 29385), (600, 29400), (611, 29424), (615, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 21

Candidate Starts for Devera_22:

(Start: 21 @16032 has 217 MA's), (48, 16149), (108, 16260), (Start: 119 @16281 has 3 MA's), (141, 16308), (187, 16410), (274, 16563), (336, 16644), (363, 16698), (373, 16719), (390, 16734), (482, 16845), (500, 16887), (536, 16980), (548, 17004), (601, 17097), (617, 17136), (622, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Dewey_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Dextert_32 Start: 26991, Stop: 27968, Start Num: 70

Candidate Starts for Dextert_32:

(Start: 70 @26991 has 24 MA's), (86, 27003), (Start: 99 @27030 has 9 MA's), (123, 27078), (Start: 126 @27081 has 6 MA's), (156, 27132), (192, 27210), (237, 27306), (256, 27339), (274, 27378), (363, 27507), (377, 27540), (412, 27576), (514, 27762), (528, 27792), (541, 27819), (559, 27855), (580, 27888), (616, 27957),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 72

Candidate Starts for Dignity_29:

(Start: 72 @19628 has 238 MA's), (118, 19703), (140, 19721), (155, 19757), (174, 19796), (301, 20003), (331, 20042), (334, 20045), (376, 20132), (479, 20312), (517, 20414), (555, 20489), (563, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 65

Candidate Starts for Diminimus_28:

(Start: 65 @21456 has 19 MA's), (Start: 129 @21558 has 24 MA's), (146, 21576), (Start: 152 @21591 has 1 MA's), (188, 21663), (192, 21672), (247, 21750), (329, 21885), (331, 21888), (334, 21891), (371, 21960), (393, 22002), (396, 22008), (483, 22149), (492, 22170), (497, 22182), (565, 22305), (571, 22317),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 80

Candidate Starts for Dinger_22:

(Start: 80 @15450 has 36 MA's), (Start: 100 @15489 has 15 MA's), (Start: 154 @15576 has 2 MA's), (187, 15645), (241, 15723), (334, 15861), (517, 16086), (526, 16104), (563, 16173), (626, 16311),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 75

Candidate Starts for DirkDirk_17:

(49, 15804), (50, 15807), (Start: 60 @15840 has 10 MA's), (Start: 75 @15858 has 61 MA's), (90, 15882), (104, 15912), (Start: 110 @15927 has 1 MA's), (141, 15960), (227, 16104), (272, 16185), (331, 16260), (334, 16263), (337, 16269), (361, 16314), (375, 16341), (393, 16374), (396, 16380),

(426, 16413), (433, 16422), (448, 16449), (501, 16569), (519, 16617), (534, 16644), (567, 16683), (571, 16689), (593, 16728),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 79

Candidate Starts for Discoknowium_23:

(Start: 79 @18763 has 49 MA's), (140, 18859), (Start: 154 @18892 has 2 MA's), (155, 18895), (174, 18934), (196, 18982), (301, 19135), (317, 19153), (334, 19177), (355, 19219), (511, 19531), (563, 19633), (579, 19660), (612, 19723),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 23

Candidate Starts for DismalFunk_18:

(Start: 23 @13889 has 10 MA's), (27, 13898), (48, 14000), (Start: 100 @14090 has 15 MA's), (Start: 119 @14132 has 3 MA's), (Start: 121 @14135 has 1 MA's), (141, 14159), (186, 14258), (220, 14321), (244, 14360), (274, 14414), (323, 14480), (334, 14492), (360, 14543), (372, 14567), (437, 14645), (465, 14663), (482, 14693), (488, 14702), (500, 14735), (501, 14738), (548, 14852), (596, 14930), (601, 14945), (617, 14984), (622, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 23

Candidate Starts for DismalStressor_18:

(Start: 23 @13889 has 10 MA's), (27, 13898), (48, 14000), (Start: 100 @14090 has 15 MA's), (Start: 119 @14132 has 3 MA's), (Start: 121 @14135 has 1 MA's), (141, 14159), (186, 14258), (220, 14321), (244, 14360), (274, 14414), (323, 14480), (334, 14492), (360, 14543), (372, 14567), (437, 14645), (465, 14663), (482, 14693), (488, 14702), (500, 14735), (501, 14738), (548, 14852), (596, 14930), (601, 14945), (617, 14984), (622, 15002),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 79

Candidate Starts for Dixon_23:

(Start: 79 @17634 has 49 MA's), (Start: 152 @17757 has 1 MA's), (Start: 154 @17763 has 2 MA's), (188, 17835), (258, 17940), (269, 17967), (334, 18057), (445, 18258), (460, 18288), (461, 18291), (555, 18501), (579, 18540), (603, 18588), (612, 18603),

Gene: DobbysSock_18 Start: 15996, Stop: 16823, Start Num: 130

Candidate Starts for DobbysSock_18:

(Start: 120 @15987 has 43 MA's), (Start: 130 @15996 has 36 MA's), (Start: 154 @16038 has 2 MA's), (167, 16071), (176, 16086), (199, 16134), (239, 16197), (242, 16203), (268, 16242), (305, 16296), (336, 16335), (338, 16341), (360, 16377), (386, 16407), (402, 16416), (495, 16566), (533, 16656), (597, 16743),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 70

Candidate Starts for DoctorFroggo_33:

(Start: 70 @29967 has 24 MA's), (123, 30054), (149, 30090), (165, 30126), (237, 30282), (239, 30285), (274, 30354), (321, 30417), (326, 30426), (377, 30516), (411, 30549), (412, 30552), (501, 30705), (517, 30747), (528, 30768), (541, 30795), (552, 30816), (556, 30825), (559, 30831), (580, 30864), (582, 30867), (605, 30912), (609, 30921), (616, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 102

Candidate Starts for Dogfish_20:

(16, 17051), (Start: 102 @17321 has 26 MA's), (104, 17327), (Start: 121 @17363 has 1 MA's), (123, 17366), (213, 17528), (217, 17534), (226, 17549), (236, 17561), (289, 17657), (292, 17660), (298, 17669), (310, 17681), (321, 17696), (418, 17825), (489, 17921), (498, 17945), (511, 17966), (522, 17987), (532, 18017), (558, 18053), (594, 18107),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 21

Candidate Starts for Dole_22:

(Start: 21 @16034 has 217 MA's), (48, 16151), (108, 16262), (Start: 119 @16283 has 3 MA's), (141, 16310), (187, 16412), (274, 16565), (336, 16646), (363, 16700), (373, 16721), (390, 16736), (482, 16847), (500, 16889), (536, 16982), (548, 17006), (601, 17099), (617, 17138), (622, 17156),

Gene: Dolores_19 Start: 16489, Stop: 17325, Start Num: 120

Candidate Starts for Dolores_19:

(Start: 120 @16489 has 43 MA's), (Start: 130 @16498 has 36 MA's), (Start: 154 @16540 has 2 MA's), (167, 16573), (176, 16588), (199, 16636), (239, 16699), (242, 16705), (268, 16744), (305, 16798), (336, 16837), (338, 16843), (360, 16879), (386, 16909), (402, 16918), (495, 17068), (597, 17245),

Gene: DonkeyMan_17 Start: 14102, Stop: 14944, Start Num: 142

Candidate Starts for DonkeyMan_17:

(13, 13646), (14, 13724), (46, 13922), (113, 14063), (Start: 142 @14102 has 13 MA's), (174, 14171), (188, 14201), (198, 14222), (225, 14255), (247, 14297), (248, 14300), (345, 14441), (377, 14507), (469, 14639), (504, 14714), (538, 14768), (563, 14810), (600, 14876), (617, 14915),

Gene: Dorito_18 Start: 15989, Stop: 16825, Start Num: 120

Candidate Starts for Dorito_18:

(Start: 120 @15989 has 43 MA's), (Start: 130 @15998 has 36 MA's), (Start: 154 @16040 has 2 MA's), (167, 16073), (176, 16088), (239, 16199), (242, 16205), (246, 16214), (268, 16244), (305, 16298), (336, 16337), (360, 16379), (386, 16409), (402, 16418), (495, 16568), (533, 16658), (597, 16745),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 72

Candidate Starts for Dorothea_30:

(Start: 72 @18967 has 238 MA's), (104, 19021), (140, 19060), (188, 19165), (274, 19312), (301, 19342), (331, 19381), (334, 19384), (357, 19429), (385, 19489), (495, 19687), (563, 19837), (568, 19846),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 75

Candidate Starts for Douge_17:

(Start: 75 @15701 has 61 MA's), (90, 15725), (Start: 103 @15752 has 1 MA's), (104, 15755), (Start: 110 @15770 has 1 MA's), (141, 15803), (188, 15899), (274, 16034), (280, 16043), (331, 16103), (334, 16106), (375, 16184), (381, 16199), (396, 16223), (448, 16292), (460, 16316), (470, 16334), (492, 16385), (501, 16412), (519, 16460), (534, 16487), (593, 16571),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 75

Candidate Starts for Douzhi_17:

(Start: 75 @15692 has 61 MA's), (90, 15716), (Start: 103 @15743 has 1 MA's), (104, 15746), (Start: 110 @15761 has 1 MA's), (141, 15794), (188, 15890), (274, 16025), (280, 16034), (331, 16094), (334, 16097), (375, 16175), (381, 16190), (396, 16214), (426, 16247), (448, 16283), (460, 16307), (470, 16325), (475, 16334), (492, 16376), (501, 16403), (519, 16451), (534, 16478), (593, 16562),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 21

Candidate Starts for DrHayes_22:

(Start: 21 @15965 has 217 MA's), (48, 16082), (Start: 100 @16172 has 15 MA's), (108, 16193), (Start: 119 @16214 has 3 MA's), (141, 16241), (244, 16442), (274, 16496), (277, 16502), (336, 16577), (373, 16652), (390, 16667), (500, 16820), (536, 16913), (548, 16937), (601, 17030), (617, 17069), (622, 17087),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for DrSeegs_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 72

Candidate Starts for Drake55_29:

(Start: 72 @19657 has 238 MA's), (118, 19732), (140, 19750), (155, 19786), (174, 19825), (274, 20002), (301, 20032), (331, 20071), (334, 20074), (563, 20530), (578, 20554),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 72

Candidate Starts for DreamTeam1_27:

(Start: 72 @18680 has 238 MA's), (87, 18698), (104, 18734), (140, 18773), (258, 18989), (274, 19025), (301, 19055), (334, 19097), (357, 19142), (413, 19247), (457, 19319), (470, 19343), (474, 19349), (555, 19547), (563, 19559), (568, 19568), (578, 19583), (612, 19649),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 79

Candidate Starts for Dublin_22:

(Start: 79 @18616 has 49 MA's), (140, 18712), (Start: 154 @18745 has 2 MA's), (155, 18748), (174, 18787), (258, 18922), (293, 18982), (301, 18988), (317, 19006), (334, 19030), (355, 19072), (511, 19384), (563, 19486), (579, 19513), (612, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 72

Candidate Starts for DudeLittle_27:

(Start: 72 @19254 has 238 MA's), (118, 19329), (140, 19347), (155, 19383), (174, 19422), (301, 19629), (331, 19668), (334, 19671), (479, 19938), (517, 20040), (555, 20115), (563, 20127), (612, 20217), (613, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 65

Candidate Starts for Dulcita_28:

(Start: 65 @21456 has 19 MA's), (Start: 129 @21558 has 24 MA's), (146, 21576), (Start: 152 @21591 has 1 MA's), (188, 21663), (192, 21672), (247, 21750), (329, 21885), (331, 21888), (334, 21891), (371, 21960), (393, 22002), (396, 22008), (483, 22149), (492, 22170), (497, 22182), (565, 22305), (571, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 47

Candidate Starts for DumpsterDude_18:

(Start: 47 @15153 has 17 MA's), (Start: 100 @15246 has 15 MA's), (Start: 119 @15288 has 3 MA's), (151, 15336), (187, 15414), (234, 15504), (249, 15534), (287, 15606), (295, 15615), (297, 15618), (304, 15627), (337, 15669), (394, 15768), (439, 15837), (583, 16110), (616, 16182), (617, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for DuncansLeg_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (192, 16700), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 72

Candidate Starts for Duplo_30:

(Start: 72 @19080 has 238 MA's), (118, 19155), (140, 19173), (235, 19344), (301, 19455), (331, 19494), (334, 19497), (357, 19542), (517, 19860), (555, 19935), (563, 19947), (578, 19971), (612, 20037),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Durfee_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Dusty_45 Start: 28440, Stop: 29321, Start Num: 99

Candidate Starts for Dusty_45:

(Start: 96 @28434 has 9 MA's), (Start: 99 @28440 has 9 MA's), (Start: 130 @28488 has 36 MA's), (150, 28515), (185, 28587), (239, 28683), (302, 28791), (365, 28884), (388, 28908), (407, 28923), (473, 29019), (499, 29067), (599, 29247), (614, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 75

Candidate Starts for DyoEdafos_18:

(Start: 75 @15909 has 61 MA's), (90, 15933), (Start: 103 @15960 has 1 MA's), (104, 15963), (Start: 110 @15978 has 1 MA's), (141, 16011), (188, 16107), (274, 16242), (280, 16251), (331, 16311), (334, 16314), (375, 16392), (381, 16407), (396, 16431), (448, 16500), (460, 16524), (501, 16620), (519, 16668), (534, 16695), (567, 16734), (593, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for ECartman_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 70

Candidate Starts for EMoore_30:

(Start: 70 @28525 has 24 MA's), (165, 28684), (192, 28744), (204, 28774), (Start: 233 @28831 has 1 MA's), (237, 28840), (274, 28912), (303, 28951), (318, 28972), (337, 28990), (377, 29074), (404, 29095), (412, 29110), (481, 29215), (482, 29218), (511, 29290), (516, 29302), (526, 29326), (528, 29332), (534, 29347), (543, 29365), (559, 29398), (580, 29431), (582, 29434), (616, 29500),

Gene: EMSquaredA_19 Start: 16661, Stop: 17569, Start Num: 138

Candidate Starts for EMSquaredA_19:

(Start: 138 @16661 has 25 MA's), (165, 16718), (242, 16853), (251, 16868), (253, 16871), (278, 16922), (368, 17030), (392, 17078), (408, 17102), (420, 17120), (425, 17126), (445, 17162), (510, 17318), (528, 17345), (532, 17357), (540, 17372), (563, 17417), (573, 17435), (579, 17444), (597, 17480), (598, 17483), (613, 17519), (615, 17525), (617, 17531),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 72

Candidate Starts for EZMoney23_31:

(Start: 72 @21135 has 238 MA's), (140, 21228), (155, 21264), (174, 21303), (301, 21510), (331, 21549), (334, 21552), (357, 21597), (384, 21657), (461, 21783), (479, 21816), (563, 22005), (578, 22029),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 72

Candidate Starts for EagleEye_29:

(Start: 72 @19925 has 238 MA's), (87, 19943), (140, 20018), (174, 20093), (207, 20156), (301, 20300), (331, 20339), (334, 20342), (376, 20429), (506, 20681), (511, 20696), (527, 20732), (563, 20798), (573, 20816), (578, 20822),

Gene: Easley_19 Start: 16499, Stop: 17335, Start Num: 120

Candidate Starts for Easley_19:

(Start: 120 @16499 has 43 MA's), (Start: 130 @16508 has 36 MA's), (Start: 154 @16550 has 2 MA's), (167, 16583), (176, 16598), (199, 16646), (239, 16709), (242, 16715), (268, 16754), (305, 16808), (336, 16847), (338, 16853), (360, 16889), (386, 16919), (402, 16928), (495, 17078), (533, 17168), (597, 17255),

Gene: Ebert_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Ebert_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 72

Candidate Starts for Ebony_27:

(Start: 72 @19779 has 238 MA's), (104, 19836), (Start: 152 @19911 has 1 MA's), (224, 20040), (258, 20100), (293, 20160), (301, 20166), (334, 20208), (357, 20253), (360, 20259), (408, 20343), (431, 20376), (563, 20658), (568, 20667), (578, 20682), (612, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 72

Candidate Starts for Echild_27:

(Start: 72 @19279 has 238 MA's), (118, 19354), (140, 19372), (155, 19408), (174, 19447), (301, 19654), (331, 19693), (334, 19696), (517, 20065), (555, 20140), (563, 20152),

Gene: Ecliptus_23 Start: 17506, Stop: 18432, Start Num: 138

Candidate Starts for Ecliptus_23:

(Start: 136 @17503 has 1 MA's), (Start: 138 @17506 has 25 MA's), (165, 17563), (222, 17665), (229, 17677), (245, 17701), (251, 17710), (253, 17713), (254, 17716), (291, 17779), (332, 17812), (347, 17833), (354, 17848), (383, 17908), (392, 17920), (408, 17944), (427, 17971), (429, 17974), (445, 18004), (481, 18082), (510, 18163), (527, 18205), (528, 18208), (531, 18217), (532, 18220), (539, 18232), (540, 18235), (546, 18247), (552, 18259), (563, 18280), (568, 18289), (573, 18298), (597, 18343), (598, 18346), (600, 18352), (615, 18388), (617, 18394),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 70

Candidate Starts for EdmundFerry_30:

(Start: 70 @26577 has 24 MA's), (86, 26589), (Start: 99 @26616 has 9 MA's), (123, 26664), (Start: 126 @26667 has 6 MA's), (156, 26718), (192, 26796), (237, 26892), (274, 26964), (363, 27093), (377, 27126), (412, 27162), (514, 27348), (528, 27378), (541, 27405), (559, 27441), (580, 27474), (616, 27543),

Gene: EdnaMode_16 Start: 13846, Stop: 14694, Start Num: 120

Candidate Starts for EdnaMode_16:

(Start: 75 @13759 has 61 MA's), (Start: 120 @13846 has 43 MA's), (127, 13852), (171, 13936), (196, 13987), (228, 14041), (239, 14056), (253, 14074), (270, 14107), (315, 14173), (334, 14194), (336, 14197), (346, 14218), (386, 14275), (520, 14497), (523, 14503), (615, 14659), (617, 14665),

Gene: EdogawaKiddo_26 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for EdogawaKiddo_26:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 26

Candidate Starts for Edugator_19:

(Start: 26 @16302 has 22 MA's), (Start: 80 @16476 has 36 MA's), (118, 16542), (141, 16572), (186, 16671), (244, 16773), (274, 16827), (298, 16857), (323, 16893), (325, 16896), (334, 16905), (372, 16980), (373, 16983), (412, 17019), (437, 17061), (465, 17079), (469, 17085), (482, 17109), (484, 17112), (500, 17151), (540, 17253), (601, 17361), (617, 17400), (622, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 21

Candidate Starts for Efra2_22:

(Start: 21 @15227 has 217 MA's), (48, 15344), (Start: 100 @15434 has 15 MA's), (108, 15455), (141, 15503), (274, 15758), (336, 15839), (373, 15914), (390, 15929), (482, 16040), (500, 16082), (529, 16160), (536, 16175), (548, 16199), (601, 16292), (617, 16331), (622, 16349),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 72

Candidate Starts for Eidsmoe_28:

(Start: 72 @20557 has 238 MA's), (87, 20575), (118, 20632), (140, 20650), (155, 20686), (258, 20866), (274, 20902), (301, 20932), (334, 20974), (421, 21133), (495, 21277), (517, 21340), (555, 21415), (563, 21427), (578, 21451),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Ein37_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 21

Candidate Starts for Ekdilam_19:

(Start: 21 @16204 has 217 MA's), (48, 16321), (Start: 54 @16339 has 2 MA's), (69, 16372), (Start: 100 @16411 has 15 MA's), (141, 16480), (186, 16579), (188, 16585), (274, 16735), (323, 16801), (334, 16813), (437, 16969), (469, 16993), (484, 17020), (500, 17059), (501, 17062), (536, 17152), (601, 17269), (617, 17308), (622, 17326),

Gene: EITiger69_23 Start: 17966, Stop: 18979, Start Num: 79

Candidate Starts for EITiger69_23:

(Start: 79 @17966 has 49 MA's), (Start: 154 @18095 has 2 MA's), (155, 18098), (174, 18137), (258, 18272), (272, 18302), (293, 18332), (301, 18338), (317, 18356), (334, 18380), (355, 18422), (454, 18593), (563, 18836), (612, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 72

Candidate Starts for Elephantoon_28:

(Start: 72 @20168 has 238 MA's), (87, 20186), (Start: 100 @20213 has 15 MA's), (118, 20243), (140, 20261), (155, 20297), (258, 20477), (274, 20513), (301, 20543), (334, 20585), (413, 20735), (421, 20744), (470, 20831), (495, 20897), (555, 21035), (563, 21047), (568, 21056), (578, 21071),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 21

Candidate Starts for Ellie_19:

(Start: 21 @16200 has 217 MA's), (48, 16317), (69, 16368), (141, 16476), (187, 16578), (188, 16581), (244, 16677), (274, 16731), (323, 16797), (334, 16809), (500, 17055), (501, 17058), (601, 17265), (617, 17304), (622, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 75

Candidate Starts for Ellson_18:

(Start: 75 @16498 has 61 MA's), (90, 16522), (Start: 110 @16567 has 1 MA's), (118, 16582), (141, 16603), (188, 16699), (192, 16708), (274, 16834), (280, 16843), (331, 16903), (334, 16906), (337, 16912), (375, 16984), (393, 17017), (401, 17029), (448, 17092), (485, 17167), (503, 17218), (519, 17260), (593, 17371), (595, 17374),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 21

Candidate Starts for Emerson_22:

(Start: 21 @16011 has 217 MA's), (48, 16128), (Start: 100 @16218 has 15 MA's), (108, 16239), (Start: 119 @16260 has 3 MA's), (141, 16287), (274, 16542), (336, 16623), (373, 16698), (390, 16713), (482, 16824), (500, 16866), (536, 16959), (548, 16983), (601, 17076), (617, 17115), (622, 17133),

Gene: EmiRose_16 Start: 13050, Stop: 13937, Start Num: 152

Candidate Starts for EmiRose_16:

(Start: 152 @13050 has 1 MA's), (159, 13068), (191, 13137), (245, 13227), (255, 13236), (270, 13269), (278, 13284), (374, 13440), (375, 13443), (377, 13449), (463, 13608), (482, 13638), (497, 13668), (500, 13680), (547, 13794), (550, 13800),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 129

Candidate Starts for Emianna_40:

(Start: 129 @29879 has 24 MA's), (176, 29966), (225, 30041), (261, 30107), (282, 30149), (324, 30206), (447, 30419), (460, 30446), (505, 30557), (563, 30689), (613, 30785),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 72

Candidate Starts for EmyBug_28:

(Start: 72 @20557 has 238 MA's), (87, 20575), (118, 20632), (140, 20650), (155, 20686), (258, 20866), (274, 20902), (301, 20932), (334, 20974), (421, 21133), (495, 21277), (517, 21340), (555, 21415), (563, 21427), (578, 21451),

Gene: EnalisNailo_19 Start: 16810, Stop: 17718, Start Num: 138

Candidate Starts for EnalisNailo_19:

(Start: 138 @16810 has 25 MA's), (165, 16867), (251, 17017), (253, 17020), (278, 17071), (347, 17140), (368, 17179), (392, 17227), (408, 17251), (425, 17275), (510, 17467), (528, 17494), (531, 17503), (532, 17506), (540, 17521), (561, 17563), (563, 17566), (579, 17593), (597, 17629), (601, 17641), (615, 17674), (617, 17680),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 75

Candidate Starts for Enceladus_17:

(49, 15805), (50, 15808), (Start: 60 @15841 has 10 MA's), (Start: 75 @15859 has 61 MA's), (90, 15883), (104, 15913), (Start: 110 @15928 has 1 MA's), (141, 15961), (227, 16105), (272, 16186), (331, 16261), (334, 16264), (337, 16270), (361, 16315), (375, 16342), (393, 16375), (396, 16381), (426, 16414), (433, 16423), (448, 16450), (501, 16570), (519, 16618), (534, 16645), (567, 16684), (571, 16690), (593, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 99

Candidate Starts for Engineer_48:

(Start: 96 @28651 has 9 MA's), (Start: 99 @28657 has 9 MA's), (Start: 130 @28705 has 36 MA's), (150, 28732), (185, 28804), (220, 28870), (239, 28900), (302, 29008), (365, 29101), (388, 29125), (407, 29140), (473, 29236), (499, 29284), (599, 29464), (614, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for Enkosi_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536,

16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 129

Candidate Starts for Ennea_46:

(Start: 129 @30548 has 24 MA's), (176, 30626), (225, 30701), (282, 30809), (341, 30893), (444, 31073), (447, 31079), (536, 31295), (563, 31334), (604, 31409), (613, 31430), (619, 31451),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 21

Candidate Starts for Eponine_23:

(Start: 21 @17390 has 217 MA's), (Start: 40 @17480 has 2 MA's), (48, 17510), (Start: 100 @17600 has 15 MA's), (Start: 119 @17642 has 3 MA's), (Start: 121 @17645 has 1 MA's), (132, 17657), (328, 17993), (334, 17999), (372, 18074), (437, 18152), (463, 18167), (482, 18200), (500, 18242), (501, 18245), (537, 18338), (601, 18452), (617, 18491), (622, 18509),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 76

Candidate Starts for Epsocamisio_29:

(Start: 76 @18119 has 20 MA's), (Start: 152 @18233 has 1 MA's), (Start: 154 @18239 has 2 MA's), (155, 18242), (284, 18476), (461, 18743), (493, 18797), (563, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 72

Candidate Starts for Equemioh13_29:

(Start: 72 @19643 has 238 MA's), (118, 19718), (140, 19736), (155, 19772), (174, 19811), (274, 19988), (301, 20018), (331, 20057), (334, 20060), (563, 20516), (578, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 72

Candidate Starts for EricB_30:

(Start: 72 @18959 has 238 MA's), (104, 19013), (140, 19052), (188, 19157), (274, 19304), (301, 19334), (331, 19373), (334, 19376), (357, 19421), (385, 19481), (495, 19679), (563, 19829), (568, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 80

Candidate Starts for Erik_22:

(Start: 80 @15479 has 36 MA's), (Start: 100 @15518 has 15 MA's), (Start: 152 @15599 has 1 MA's), (Start: 154 @15605 has 2 MA's), (187, 15674), (241, 15752), (258, 15785), (272, 15812), (334, 15890), (415, 15986), (517, 16115), (526, 16133), (555, 16190), (563, 16202), (585, 16244), (626, 16340),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Espica_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 65

Candidate Starts for Estes_32:

(Start: 65 @22177 has 19 MA's), (74, 22186), (104, 22240), (Start: 121 @22276 has 1 MA's), (Start: 129 @22279 has 24 MA's), (146, 22297), (Start: 152 @22312 has 1 MA's), (187, 22381), (188, 22384), (331, 22609), (334, 22612), (350, 22642), (393, 22723), (396, 22729), (497, 22903), (501, 22918), (513, 22951), (591, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 72

Candidate Starts for Et2Brutus_26:

(Start: 72 @19739 has 238 MA's), (104, 19796), (Start: 152 @19871 has 1 MA's), (224, 20000), (258, 20060), (293, 20120), (301, 20126), (334, 20168), (357, 20213), (360, 20219), (408, 20303), (431, 20336), (563, 20618), (568, 20627), (578, 20642), (612, 20708),

Gene: Eudoria_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Eudoria_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 77

Candidate Starts for Evamon_30:

(Start: 77 @24920 has 29 MA's), (135, 25025), (166, 25094), (169, 25100), (183, 25124), (188, 25139), (434, 25499), (446, 25514), (458, 25532), (518, 25634), (536, 25676), (554, 25712), (598, 25787), (607, 25808), (624, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Evanesce_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Eviarto_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for Eviarto_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 72

Candidate Starts for EvilGenius_29:

(Start: 72 @19596 has 238 MA's), (118, 19671), (140, 19689), (155, 19725), (174, 19764), (301, 19971), (331, 20010), (334, 20013), (376, 20100), (479, 20280), (517, 20382), (555, 20457), (563, 20469),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 102

Candidate Starts for Ewald_21:

(Start: 102 @17595 has 26 MA's), (104, 17601), (107, 17613), (Start: 121 @17637 has 1 MA's), (123, 17640), (217, 17808), (226, 17823), (236, 17835), (289, 17931), (292, 17934), (298, 17943), (310, 17955), (321, 17970), (418, 18099), (498, 18219), (511, 18240), (522, 18261), (594, 18381),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 79

Candidate Starts for Expelliarmus_22:

(Start: 79 @17601 has 49 MA's), (Start: 152 @17724 has 1 MA's), (Start: 154 @17730 has 2 MA's), (188, 17802), (258, 17907), (269, 17934), (334, 18024), (445, 18225), (460, 18255), (461, 18258), (555, 18468), (579, 18507), (603, 18555), (612, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 72

Candidate Starts for ExplosioNervosa_28:

(Start: 72 @20560 has 238 MA's), (87, 20578), (118, 20635), (140, 20653), (155, 20689), (258, 20869), (274, 20905), (301, 20935), (334, 20977), (421, 21136), (495, 21280), (517, 21343), (555, 21418), (563, 21430), (578, 21454),

Gene: Eyre_16 Start: 14536, Stop: 15369, Start Num: 122

Candidate Starts for Eyre_16:

(Start: 122 @14536 has 2 MA's), (155, 14578), (204, 14686), (253, 14752), (334, 14872), (386, 14950), (508, 15145), (523, 15178), (597, 15289),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 24

Candidate Starts for FF47_20:

(Start: 24 @14818 has 4 MA's), (30, 14866), (Start: 72 @14974 has 238 MA's), (Start: 80 @14983 has 36 MA's), (Start: 121 @15052 has 1 MA's), (143, 15079), (211, 15226), (275, 15334), (334, 15409), (338, 15418), (357, 15454), (412, 15523), (437, 15565), (488, 15619), (509, 15676), (557, 15781), (561, 15787), (615, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 100

Candidate Starts for Fairfaxidum_18:

(Start: 100 @15961 has 15 MA's), (Start: 110 @15976 has 1 MA's), (Start: 133 @16006 has 1 MA's), (148, 16027), (188, 16117), (236, 16198), (365, 16402), (366, 16405), (511, 16600), (564, 16690), (592, 16732), (613, 16780), (615, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Faith1_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Faith5x5_16 Start: 13806, Stop: 14654, Start Num: 120

Candidate Starts for Faith5x5_16:

(Start: 120 @13806 has 43 MA's), (127, 13812), (192, 13938), (204, 13968), (216, 13983), (228, 14001), (253, 14034), (334, 14154), (336, 14157), (340, 14166), (342, 14169), (346, 14178), (353, 14193), (365, 14211), (391, 14241), (451, 14313), (523, 14463), (617, 14625),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 72

Candidate Starts for Fameo_27:

(Start: 72 @19223 has 238 MA's), (118, 19298), (140, 19316), (155, 19352), (174, 19391), (301, 19598), (331, 19637), (334, 19640), (479, 19907), (517, 20009), (555, 20084), (563, 20096), (612, 20186),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 54

Candidate Starts for Farewell_15:

(Start: 54 @15126 has 2 MA's), (57, 15135), (Start: 75 @15165 has 61 MA's), (111, 15234), (Start: 122 @15255 has 2 MA's), (192, 15375), (196, 15384), (241, 15471), (274, 15537), (334, 15624), (337, 15630), (378, 15714), (393, 15738), (394, 15741), (503, 15939), (507, 15951), (524, 15990), (543, 16017), (551, 16032), (600, 16122),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 75

Candidate Starts for FarmResident_17:

(Start: 75 @15745 has 61 MA's), (90, 15769), (Start: 103 @15796 has 1 MA's), (104, 15799), (Start: 110 @15814 has 1 MA's), (141, 15847), (188, 15943), (274, 16078), (280, 16087), (331, 16147), (334, 16150), (375, 16228), (381, 16243), (396, 16267), (448, 16336), (460, 16360), (470, 16378), (492, 16429), (501, 16456), (519, 16504), (534, 16531), (593, 16615),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 72

Candidate Starts for Fayely_28:

(Start: 72 @20560 has 238 MA's), (87, 20578), (118, 20635), (140, 20653), (155, 20689), (258, 20869), (274, 20905), (301, 20935), (334, 20977), (421, 21136), (495, 21280), (517, 21343), (555, 21418), (563, 21430), (578, 21454),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 21

Candidate Starts for Fefferhead_21:

(Start: 21 @16367 has 217 MA's), (48, 16484), (69, 16535), (141, 16643), (187, 16745), (188, 16748), (244, 16844), (274, 16898), (323, 16964), (334, 16976), (500, 17222), (501, 17225), (601, 17432), (617, 17471), (622, 17489),

Gene: FeliMaine_49 Start: 26439, Stop: 27401, Start Num: 72

Candidate Starts for FeliMaine_49:

(Start: 72 @26439 has 238 MA's), (Start: 152 @26571 has 1 MA's), (165, 26595), (168, 26604), (172, 26610), (177, 26619), (188, 26643), (192, 26652), (198, 26664), (203, 26676), (269, 26790), (323, 26871), (334, 26886), (337, 26892), (393, 27000), (475, 27126), (478, 27132), (505, 27207), (542, 27282), (545, 27288), (552, 27300), (554, 27303), (602, 27390), (604, 27393), (606, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 100

Candidate Starts for Fenry_17:

(Start: 100 @15512 has 15 MA's), (188, 15668), (236, 15749), (267, 15806), (292, 15848), (366, 15956), (437, 16040), (488, 16106), (490, 16112), (511, 16151), (564, 16241), (592, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 26

Candidate Starts for Feyre_20:

(Start: 26 @16241 has 22 MA's), (Start: 119 @16484 has 3 MA's), (141, 16511), (186, 16610), (244, 16712), (274, 16766), (298, 16796), (323, 16832), (325, 16835), (334, 16844), (372, 16919), (373, 16922), (412, 16958), (437, 17000), (465, 17018), (469, 17024), (482, 17048), (484, 17051), (488, 17057), (500, 17090), (601, 17300), (617, 17339), (622, 17357),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 72

Candidate Starts for Fibonacci_27:

(Start: 72 @19733 has 238 MA's), (104, 19790), (Start: 152 @19865 has 1 MA's), (224, 19994), (258, 20054), (293, 20114), (301, 20120), (334, 20162), (357, 20207), (360, 20213), (408, 20297), (431, 20330), (563, 20612), (568, 20621), (578, 20636), (612, 20702),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 23

Candidate Starts for Findley_18:

(Start: 23 @13892 has 10 MA's), (27, 13901), (48, 14003), (Start: 100 @14093 has 15 MA's), (Start: 119 @14135 has 3 MA's), (Start: 121 @14138 has 1 MA's), (141, 14162), (186, 14261), (220, 14324), (244, 14363), (274, 14417), (323, 14483), (334, 14495), (360, 14546), (372, 14570), (437, 14648), (465, 14666), (482, 14696), (488, 14705), (500, 14738), (501, 14741), (548, 14855), (596, 14933), (601, 14948), (617, 14987), (622, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 75

Candidate Starts for Finemlucis_17:

(Start: 75 @16080 has 61 MA's), (90, 16104), (104, 16134), (181, 16260), (227, 16332), (329, 16485), (331, 16488), (334, 16491), (350, 16521), (378, 16578), (393, 16602), (396, 16608), (448, 16677), (457, 16695), (469, 16716), (497, 16782), (519, 16845), (593, 16974), (600, 16986),

Gene: Finkle_18 Start: 15435, Stop: 16259, Start Num: 137

Candidate Starts for Finkle_18:

(Start: 137 @15435 has 8 MA's), (166, 15498), (167, 15501), (173, 15510), (193, 15555), (258, 15666), (305, 15741), (391, 15861), (489, 15990), (518, 16047), (613, 16215),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 75

Candidate Starts for Finnry_18:

(Start: 75 @16494 has 61 MA's), (90, 16518), (Start: 110 @16563 has 1 MA's), (118, 16578), (141, 16599), (188, 16695), (274, 16830), (280, 16839), (331, 16899), (334, 16902), (337, 16908), (375, 16980), (393, 17013), (448, 17088), (476, 17142), (485, 17163), (503, 17214), (519, 17256), (593, 17367), (595, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 21

Candidate Starts for Fionnbharth_23:

(Start: 21 @17490 has 217 MA's), (27, 17508), (Start: 40 @17580 has 2 MA's), (48, 17610), (Start: 100 @17700 has 15 MA's), (Start: 119 @17742 has 3 MA's), (140, 17766), (187, 17871), (328, 18093), (334, 18099), (436, 18249), (437, 18252), (465, 18270), (482, 18300), (500, 18342), (501, 18345), (521, 18396), (596, 18537), (601, 18552), (617, 18591), (622, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 77

Candidate Starts for Fireball_31:

(Start: 77 @25055 has 29 MA's), (135, 25151), (166, 25220), (169, 25226), (183, 25250), (188, 25265), (196, 25283), (316, 25475), (372, 25553), (417, 25598), (434, 25622), (464, 25661), (518, 25757), (536, 25799), (554, 25835), (575, 25865), (598, 25910), (607, 25931), (624, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 72

Candidate Starts for FiringLine_27:

(Start: 72 @19105 has 238 MA's), (118, 19180), (140, 19198), (155, 19234), (174, 19273), (301, 19480), (331, 19519), (334, 19522), (479, 19789), (517, 19891), (555, 19966), (563, 19978), (612, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 72

Candidate Starts for First_0027:

(Start: 72 @19219 has 238 MA's), (104, 19273), (140, 19312), (174, 19387), (258, 19528), (301, 19594), (331, 19633), (334, 19636), (461, 19864), (479, 19897), (517, 19999), (527, 20020), (555, 20074), (563, 20086), (612, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 68

Candidate Starts for Fitzgerald_32:

(Start: 68 @29941 has 45 MA's), (169, 30127), (176, 30139), (188, 30166), (198, 30187), (239, 30247), (286, 30337), (316, 30373), (340, 30406), (348, 30421), (353, 30433), (373, 30463), (386, 30469), (434, 30529), (496, 30619), (536, 30709), (548, 30733), (554, 30745), (594, 30811), (600, 30826), (611, 30850), (615, 30862), (624, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 15

Candidate Starts for FlagStaff_17:

(5, 15304), (Start: 15 @15628 has 1 MA's), (Start: 21 @15664 has 217 MA's), (48, 15790), (88, 15850), (Start: 100 @15874 has 15 MA's), (Start: 119 @15916 has 3 MA's), (Start: 121 @15919 has 1 MA's), (176, 16021), (187, 16045), (193, 16060), (196, 16066), (211, 16105), (215, 16111), (309, 16255), (322, 16273), (337, 16294), (340, 16300), (352, 16324), (371, 16360), (482, 16525), (500, 16567), (502, 16573), (585, 16744), (615, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 129

Candidate Starts for Flapper_44:

(Start: 129 @30267 has 24 MA's), (176, 30345), (267, 30498), (349, 30627), (447, 30798), (563, 31053), (604, 31128), (613, 31149),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 72

Candidate Starts for Flare16_27:

(Start: 72 @19201 has 238 MA's), (118, 19276), (140, 19294), (155, 19330), (174, 19369), (274, 19546), (301, 19576), (331, 19615), (334, 19618), (563, 20074), (578, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 68

Candidate Starts for Flatwoods_34:

(Start: 68 @28876 has 45 MA's), (156, 29032), (169, 29062), (176, 29074), (183, 29086), (188, 29101), (193, 29113), (286, 29272), (316, 29308), (353, 29368), (370, 29392), (386, 29404), (434, 29464), (496, 29554), (536, 29644), (548, 29668), (554, 29680), (594, 29746), (600, 29761), (611, 29785), (615, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 72

Candidate Starts for Flaverint_27:

(Start: 72 @19730 has 238 MA's), (104, 19787), (Start: 152 @19862 has 1 MA's), (224, 19991), (258, 20051), (293, 20111), (301, 20117), (334, 20159), (357, 20204), (360, 20210), (408, 20294), (431, 20327), (563, 20609), (568, 20618), (578, 20633), (612, 20699),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 129

Candidate Starts for Float294_42:

(Start: 129 @29990 has 24 MA's), (176, 30068), (225, 30143), (282, 30251), (341, 30335), (444, 30515), (447, 30521), (536, 30737), (563, 30776), (604, 30851), (610, 30863), (613, 30872), (619, 30893),

Gene: Floral_19 Start: 16661, Stop: 17569, Start Num: 138

Candidate Starts for Floral_19:

(Start: 138 @16661 has 25 MA's), (165, 16718), (242, 16853), (251, 16868), (253, 16871), (278, 16922), (368, 17030), (392, 17078), (408, 17102), (420, 17120), (425, 17126), (445, 17162), (510, 17318), (528, 17345), (532, 17357), (540, 17372), (563, 17417), (573, 17435), (579, 17444), (597, 17480), (598, 17483), (613, 17519), (615, 17525), (617, 17531),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 79

Candidate Starts for ForGetIt_23:

(Start: 79 @18499 has 49 MA's), (140, 18595), (Start: 154 @18628 has 2 MA's), (155, 18631), (174, 18670), (196, 18718), (301, 18871), (317, 18889), (334, 18913), (355, 18955), (511, 19267), (563, 19369), (579, 19396),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Forge_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 84

Candidate Starts for Forza_100:

(Start: 84 @59008 has 5 MA's), (93, 59023), (Start: 96 @59029 has 9 MA's), (Start: 99 @59035 has 9 MA's), (161, 59152), (162, 59155), (186, 59206), (201, 59242), (272, 59377), (296, 59413), (318, 59443), (484, 59695), (501, 59740), (513, 59770), (515, 59776), (528, 59803), (548, 59842), (587, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 68

Candidate Starts for Fosterous_32:

(Start: 68 @29783 has 45 MA's), (169, 29969), (176, 29981), (188, 30008), (198, 30029), (239, 30089), (284, 30176), (286, 30179), (316, 30215), (340, 30248), (348, 30263), (353, 30275), (373, 30305), (386, 30311), (434, 30371), (496, 30461), (536, 30551), (548, 30575), (554, 30587), (594, 30653), (600, 30668), (611, 30692), (615, 30704), (624, 30734),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 129

Candidate Starts for Foxboro_41:

(Start: 129 @30385 has 24 MA's), (176, 30472), (225, 30547), (261, 30613), (282, 30655), (324, 30712), (447, 30925), (460, 30952), (505, 31063), (563, 31195), (613, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 47

Candidate Starts for Francois_21:

(Start: 47 @16316 has 17 MA's), (Start: 65 @16361 has 19 MA's), (92, 16391), (151, 16499), (221, 16649), (249, 16697), (297, 16781), (304, 16790), (337, 16832), (467, 17042), (489, 17078), (583, 17273), (616, 17345), (617, 17348),

Gene: Frizzle_16 Start: 13493, Stop: 14353, Start Num: 102

Candidate Starts for Frizzle_16:

(Start: 98 @13487 has 6 MA's), (Start: 102 @13493 has 26 MA's), (Start: 119 @13520 has 3 MA's), (Start: 121 @13523 has 1 MA's), (213, 13682), (242, 13727), (243, 13730), (300, 13832), (315, 13850), (404, 13958), (522, 14144), (523, 14147), (562, 14219), (601, 14285), (616, 14321),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 110

Candidate Starts for Frokostdame_18:

(Start: 100 @15759 has 15 MA's), (Start: 110 @15774 has 1 MA's), (169, 15876), (188, 15915), (236, 15996), (281, 16080), (292, 16095), (366, 16203), (437, 16287), (488, 16353), (490, 16359), (511, 16398), (564, 16488), (592, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Frosty24_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 77

Candidate Starts for Fugax_32:

(Start: 77 @25634 has 29 MA's), (135, 25739), (166, 25808), (169, 25814), (183, 25838), (188, 25853), (434, 26213), (446, 26228), (458, 26246), (518, 26348), (536, 26390), (554, 26426), (607, 26522), (624, 26573),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 129

Candidate Starts for Fury_49:

(Start: 129 @29757 has 24 MA's), (176, 29838), (225, 29913), (254, 29964), (324, 30078), (444, 30285), (563, 30546), (599, 30609), (613, 30642),

Gene: GAL1_19 Start: 16068, Stop: 16979, Start Num: 146

Candidate Starts for GAL1_19:

(146, 16068), (194, 16173), (206, 16197), (208, 16200), (210, 16203), (223, 16221), (242, 16248), (251, 16263), (265, 16290), (272, 16302), (278, 16314), (291, 16332), (306, 16347), (312, 16356), (321, 16365), (358, 16419), (373, 16449), (392, 16485), (395, 16491), (397, 16494), (403, 16500),

(420, 16527), (425, 16533), (445, 16569), (449, 16575), (474, 16623), (486, 16653), (502, 16701), (505, 16710), (510, 16725), (527, 16749), (532, 16764), (540, 16779), (546, 16791), (563, 16824), (568, 16833), (597, 16887), (598, 16890),

Gene: GMA1_18 Start: 15118, Stop: 15930, Start Num: 137

Candidate Starts for GMA1_18:

(Start: 137 @15118 has 8 MA's), (151, 15145), (173, 15196), (228, 15301), (231, 15304), (236, 15310), (305, 15421), (308, 15424), (336, 15460), (364, 15508), (432, 15589), (521, 15739), (533, 15772), (601, 15859),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 70

Candidate Starts for GMA2_29:

(Start: 70 @30651 has 24 MA's), (Start: 96 @30681 has 9 MA's), (Start: 99 @30687 has 9 MA's), (105, 30702), (134, 30750), (162, 30807), (196, 30882), (204, 30903), (223, 30942), (272, 31029), (296, 31065), (306, 31077), (312, 31086), (318, 31095), (357, 31152), (486, 31350), (501, 31392), (515, 31428), (528, 31455), (530, 31461), (548, 31494), (559, 31518), (587, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 129

Candidate Starts for GRU1_30:

(Start: 129 @22167 has 24 MA's), (176, 22245), (267, 22398), (341, 22512), (349, 22527), (378, 22590), (447, 22698), (563, 22953), (604, 23028), (613, 23049),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 129

Candidate Starts for GTE5_31:

(Start: 129 @23122 has 24 MA's), (176, 23200), (267, 23353), (349, 23482), (447, 23653), (511, 23809), (563, 23908), (604, 23983), (613, 24004),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 70

Candidate Starts for GTE6_31:

(Start: 70 @27069 has 24 MA's), (86, 27081), (Start: 99 @27108 has 9 MA's), (123, 27156), (156, 27210), (192, 27288), (237, 27384), (256, 27417), (274, 27456), (363, 27585), (377, 27618), (412, 27654), (514, 27840), (528, 27870), (559, 27933), (580, 27966), (616, 28035),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 129

Candidate Starts for GTE8_29:

(Start: 129 @23138 has 24 MA's), (176, 23225), (225, 23300), (282, 23408), (313, 23447), (378, 23570), (447, 23678), (505, 23816), (563, 23948), (613, 24044),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Gabriela_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 68

Candidate Starts for Gaea_33:

(Start: 68 @28524 has 45 MA's), (156, 28680), (169, 28710), (176, 28722), (183, 28734), (188, 28749), (193, 28761), (286, 28920), (316, 28956), (353, 29016), (370, 29040), (386, 29052), (434, 29112), (496, 29202), (520, 29253), (536, 29292), (548, 29316), (554, 29328), (594, 29394), (600, 29409), (608, 29427), (611, 29433), (615, 29445),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 31

Candidate Starts for Gaia_13:

(Start: 31 @13325 has 2 MA's), (32, 13328), (66, 13421), (Start: 72 @13427 has 238 MA's), (104, 13472), (118, 13502), (140, 13529), (141, 13532), (144, 13538), (151, 13553), (Start: 152 @13556 has 1 MA's), (184, 13625), (186, 13631), (220, 13709), (258, 13766), (274, 13802), (323, 13868), (334, 13880), (383, 13982), (384, 13985), (400, 14012), (437, 14075), (500, 14156), (502, 14162), (524, 14219), (536, 14249), (543, 14264), (557, 14288), (561, 14294), (596, 14351), (622, 14423),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 72

Candidate Starts for Gail_26:

(Start: 72 @18165 has 238 MA's), (87, 18183), (104, 18219), (118, 18240), (140, 18258), (195, 18378), (274, 18510), (301, 18540), (331, 18579), (334, 18582), (357, 18627), (454, 18792), (470, 18828), (495, 18894), (563, 19044), (578, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 68

Candidate Starts for Galadriel_34:

(Start: 68 @30272 has 45 MA's), (169, 30458), (176, 30470), (188, 30497), (198, 30518), (239, 30578), (284, 30665), (286, 30668), (316, 30704), (340, 30737), (348, 30752), (353, 30764), (373, 30794), (386, 30800), (434, 30860), (496, 30950), (536, 31040), (548, 31064), (554, 31076), (594, 31142), (611, 31181), (615, 31193), (624, 31223),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 100

Candidate Starts for Gambino_20:

(Start: 100 @16105 has 15 MA's), (Start: 110 @16120 has 1 MA's), (169, 16222), (188, 16261), (236, 16342), (281, 16426), (292, 16441), (366, 16549), (437, 16633), (488, 16699), (490, 16705), (511, 16744), (564, 16834), (592, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 42

Candidate Starts for Gancho_20:

(Start: 42 @16036 has 22 MA's), (45, 16045), (Start: 100 @16141 has 15 MA's), (104, 16150), (106, 16159), (141, 16210), (144, 16216), (186, 16306), (188, 16312), (197, 16330), (234, 16399), (239, 16408), (249, 16429), (252, 16435), (255, 16441), (257, 16444), (297, 16516), (299, 16519), (394, 16675), (439, 16744), (482, 16816), (493, 16834), (513, 16888), (525, 16918), (536, 16945), (537, 16948), (557, 16984), (561, 16990), (570, 17002), (596, 17044), (601, 17059), (602, 17062), (615, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 21

Candidate Starts for Ganymede_23:

(Start: 21 @16031 has 217 MA's), (48, 16148), (Start: 100 @16238 has 15 MA's), (108, 16259), (Start: 119 @16280 has 3 MA's), (141, 16307), (274, 16562), (336, 16643), (373, 16718), (390, 16733), (482, 16844), (500, 16886), (536, 16979), (548, 17003), (601, 17096), (617, 17135), (622, 17153),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 72

Candidate Starts for Garak_31:

(Start: 72 @18964 has 238 MA's), (104, 19018), (140, 19057), (188, 19162), (274, 19309), (301, 19339), (331, 19378), (334, 19381), (376, 19468), (385, 19489), (461, 19615), (495, 19687), (563, 19837), (568, 19846), (612, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 75

Candidate Starts for Gardann_17:

(Start: 75 @16079 has 61 MA's), (90, 16103), (104, 16133), (181, 16259), (227, 16331), (329, 16484), (331, 16487), (334, 16490), (350, 16520), (378, 16577), (393, 16601), (396, 16607), (448, 16676), (457, 16694), (469, 16715), (492, 16769), (497, 16781), (519, 16844), (593, 16973), (600, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 65

Candidate Starts for GardenSalsa_31:

(Start: 65 @22001 has 19 MA's), (74, 22010), (104, 22064), (Start: 121 @22100 has 1 MA's), (Start: 129 @22103 has 24 MA's), (146, 22121), (Start: 152 @22136 has 1 MA's), (187, 22205), (188, 22208), (331, 22433), (334, 22436), (350, 22466), (396, 22553), (475, 22673), (497, 22727), (501, 22742), (513, 22775), (591, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 72

Candidate Starts for Gattaca_48:

(Start: 72 @25618 has 238 MA's), (Start: 152 @25750 has 1 MA's), (165, 25774), (168, 25783), (172, 25789), (177, 25798), (188, 25822), (192, 25831), (198, 25843), (269, 25969), (323, 26050), (334, 26065), (337, 26071), (393, 26179), (475, 26305), (478, 26311), (505, 26386), (542, 26461), (545, 26467), (552, 26479), (554, 26482), (602, 26569), (604, 26572), (606, 26575),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 72

Candidate Starts for GaugeLDP_29:

(Start: 72 @20459 has 238 MA's), (140, 20552), (155, 20588), (174, 20627), (301, 20834), (331, 20873), (334, 20876), (517, 21239), (563, 21326), (578, 21350),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 99

Candidate Starts for Geeche_46:

(Start: 99 @28531 has 9 MA's), (Start: 130 @28579 has 36 MA's), (150, 28606), (185, 28678), (220, 28744), (239, 28774), (302, 28882), (365, 28975), (388, 28999), (407, 29014), (473, 29110), (499, 29158), (599, 29338), (614, 29374),

Gene: GemG_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for GemG_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 65

Candidate Starts for GenevaB15_31:

(Start: 65 @22046 has 19 MA's), (74, 22055), (104, 22109), (Start: 121 @22145 has 1 MA's), (Start: 129 @22148 has 24 MA's), (146, 22166), (Start: 152 @22181 has 1 MA's), (155, 22190), (187, 22250), (188, 22253), (331, 22478), (334, 22481), (350, 22511), (396, 22598), (483, 22739), (501, 22787), (513, 22820), (591, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 26

Candidate Starts for Gengar_20:

(Start: 26 @16348 has 22 MA's), (Start: 80 @16522 has 36 MA's), (118, 16588), (Start: 119 @16591 has 3 MA's), (141, 16618), (186, 16717), (244, 16819), (274, 16873), (298, 16903), (323, 16939), (325, 16942), (334, 16951), (372, 17026), (373, 17029), (412, 17065), (437, 17107), (465, 17125), (469, 17131), (482, 17155), (484, 17158), (488, 17164), (500, 17197), (601, 17407), (617, 17446), (622, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 68

Candidate Starts for Geodirt_31:

(Start: 68 @29258 has 45 MA's), (169, 29444), (176, 29456), (188, 29483), (198, 29504), (239, 29564), (286, 29654), (316, 29690), (340, 29723), (348, 29738), (353, 29750), (373, 29780), (386, 29786), (434, 29846), (496, 29936), (536, 30026), (548, 30050), (554, 30062), (594, 30128), (600, 30143), (611, 30167), (615, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 79

Candidate Starts for George_22:

(Start: 79 @18648 has 49 MA's), (140, 18744), (Start: 154 @18777 has 2 MA's), (155, 18780), (174, 18819), (258, 18954), (293, 19014), (301, 19020), (317, 19038), (334, 19062), (355, 19104), (511, 19416), (563, 19518), (612, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 72

Candidate Starts for Georgie2_28:

(Start: 72 @19096 has 238 MA's), (118, 19171), (140, 19189), (155, 19225), (174, 19264), (301, 19471), (331, 19510), (334, 19513), (479, 19780), (517, 19882), (555, 19957), (563, 19969), (612, 20059),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 21

Candidate Starts for Geraldini_22:

(Start: 21 @16027 has 217 MA's), (48, 16144), (Start: 100 @16234 has 15 MA's), (108, 16255), (Start: 119 @16276 has 3 MA's), (141, 16303), (274, 16558), (336, 16639), (373, 16714), (390, 16729), (482, 16840), (488, 16849), (500, 16882), (536, 16975), (548, 16999), (601, 17092), (617, 17131), (622, 17149),

Gene: Gezellig_31 Start: 25052, Stop: 25996, Start Num: 77

Candidate Starts for Gezellig_31:

(Start: 77 @25052 has 29 MA's), (135, 25157), (166, 25226), (169, 25232), (183, 25256), (188, 25271), (434, 25631), (446, 25646), (458, 25664), (518, 25766), (536, 25808), (554, 25844), (607, 25940), (624, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 102

Candidate Starts for Ghobes_15:

(Start: 98 @13485 has 6 MA's), (Start: 102 @13491 has 26 MA's), (Start: 119 @13518 has 3 MA's), (Start: 121 @13521 has 1 MA's), (242, 13725), (243, 13728), (258, 13755), (300, 13830), (315, 13848), (404, 13956), (522, 14142), (523, 14145), (562, 14217), (601, 14283), (616, 14319), (623, 14343),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 79

Candidate Starts for Ghoulboy_23:

(Start: 79 @18814 has 49 MA's), (140, 18910), (Start: 154 @18943 has 2 MA's), (155, 18946), (174, 18985), (196, 19033), (301, 19186), (317, 19204), (334, 19228), (355, 19270), (511, 19582), (563, 19684), (579, 19711),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Gideon_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 72

Candidate Starts for Gilberta_27:

(Start: 72 @19727 has 238 MA's), (104, 19784), (Start: 152 @19859 has 1 MA's), (224, 19988), (258, 20048), (293, 20108), (301, 20114), (334, 20156), (357, 20201), (360, 20207), (408, 20291), (431, 20324), (563, 20606), (568, 20615), (578, 20630), (612, 20696),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Giles_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Gizermo_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Gizermo_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 72

Candidate Starts for Gladiator_30:

(Start: 72 @18950 has 238 MA's), (87, 18968), (104, 19004), (140, 19043), (188, 19148), (301, 19325), (331, 19364), (334, 19367), (376, 19454), (385, 19475), (461, 19601), (495, 19673), (563, 19823), (568, 19832), (612, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 65

Candidate Starts for Glaske16_28:

(Start: 65 @21456 has 19 MA's), (Start: 129 @21558 has 24 MA's), (146, 21576), (Start: 152 @21591 has 1 MA's), (188, 21663), (192, 21672), (247, 21750), (329, 21885), (331, 21888), (334, 21891), (371, 21960), (393, 22002), (396, 22008), (483, 22149), (492, 22170), (497, 22182), (565, 22305), (571, 22317),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 64

Candidate Starts for GodonK_88:

(Start: 64 @51377 has 2 MA's), (Start: 96 @51416 has 9 MA's), (153, 51521), (162, 51542), (186, 51593), (188, 51599), (202, 51632), (296, 51800), (318, 51830), (437, 52010), (475, 52064), (486, 52085), (494, 52103), (501, 52127), (511, 52154), (513, 52157), (515, 52163), (528, 52190), (537, 52208), (584, 52292), (587, 52298), (589, 52301),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for GoldenAsh_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Gollum_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (517, 16116), (526, 16134), (563, 16203), (626, 16341),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 21

Candidate Starts for Gomashi_17:

(6, 15145), (Start: 21 @15478 has 217 MA's), (48, 15598), (Start: 54 @15616 has 2 MA's), (Start: 80 @15661 has 36 MA's), (88, 15667), (118, 15730), (144, 15766), (175, 15835), (176, 15838), (186, 15859), (215, 15913), (244, 15958), (263, 15988), (334, 16090), (340, 16102), (346, 16114), (355, 16132), (465, 16297), (482, 16327), (493, 16345), (500, 16369), (549, 16489), (601, 16579), (615, 16612),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 47

Candidate Starts for GrandSlam_21:

(Start: 47 @16827 has 17 MA's), (Start: 65 @16872 has 19 MA's), (92, 16902), (151, 17010), (221, 17160), (249, 17208), (297, 17292), (304, 17301), (337, 17343), (443, 17520), (489, 17589), (561, 17751), (583, 17784), (616, 17856), (617, 17859),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 42

Candidate Starts for Gravaillia_21:

(Start: 42 @16042 has 22 MA's), (45, 16051), (Start: 100 @16147 has 15 MA's), (104, 16156), (106, 16165), (141, 16216), (144, 16222), (186, 16312), (188, 16318), (197, 16336), (234, 16405), (239, 16414), (249, 16435), (252, 16441), (255, 16447), (257, 16450), (297, 16522), (299, 16525), (394, 16681), (439, 16750), (482, 16822), (493, 16840), (513, 16894), (525, 16924), (536, 16951), (537, 16954), (557, 16990), (561, 16996), (570, 17008), (596, 17050), (601, 17065), (602, 17068), (615, 17098),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 72

Candidate Starts for GreedyLawyer_30:

(Start: 72 @18966 has 238 MA's), (104, 19020), (140, 19059), (188, 19164), (274, 19311), (301, 19341), (331, 19380), (334, 19383), (357, 19428), (385, 19488), (495, 19686), (563, 19836), (568, 19845),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 21

Candidate Starts for Grizzly_17:

(6, 15147), (Start: 21 @15480 has 217 MA's), (48, 15600), (Start: 54 @15618 has 2 MA's), (Start: 80 @15663 has 36 MA's), (88, 15669), (118, 15732), (144, 15768), (175, 15837), (176, 15840), (186, 15861), (215, 15915), (244, 15960), (263, 15990), (334, 16092), (340, 16104), (346, 16116), (465, 16299), (482, 16329), (493, 16347), (500, 16371), (540, 16473), (549, 16491), (601, 16581), (615, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 129

Candidate Starts for GrootJr_42:

(Start: 129 @29261 has 24 MA's), (176, 29348), (225, 29423), (261, 29489), (282, 29531), (324, 29588), (447, 29801), (460, 29828), (505, 29939), (563, 30071), (613, 30167),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 79

Candidate Starts for Groundhog_22:

(Start: 79 @17602 has 49 MA's), (Start: 152 @17725 has 1 MA's), (Start: 154 @17731 has 2 MA's), (188, 17803), (258, 17908), (269, 17935), (334, 18025), (398, 18145), (445, 18226), (460, 18256), (461, 18259), (555, 18469), (579, 18508), (603, 18556), (612, 18571),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 72

Candidate Starts for Gruunaga_30:

(Start: 72 @18950 has 238 MA's), (87, 18968), (104, 19004), (140, 19043), (188, 19148), (301, 19325), (331, 19364), (334, 19367), (376, 19454), (385, 19475), (461, 19601), (495, 19673), (563, 19823), (568, 19832), (612, 19913),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 98

Candidate Starts for Guacamole_18:

(Start: 98 @15791 has 6 MA's), (Start: 102 @15797 has 26 MA's), (188, 15953), (236, 16034), (292, 16133), (366, 16241), (437, 16325), (490, 16397), (564, 16526), (581, 16553), (592, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 21

Candidate Starts for Guanica15_22:

(Start: 21 @15243 has 217 MA's), (48, 15360), (Start: 100 @15450 has 15 MA's), (108, 15471), (141, 15519), (274, 15774), (336, 15855), (373, 15930), (390, 15945), (482, 16056), (500, 16098), (529, 16176), (536, 16191), (548, 16215), (601, 16308), (617, 16347), (622, 16365),

Gene: Gudmit_17 Start: 14713, Stop: 15558, Start Num: 124

Candidate Starts for Gudmit_17:

(Start: 120 @14707 has 43 MA's), (Start: 124 @14713 has 1 MA's), (171, 14800), (239, 14920), (336, 15061), (340, 15070), (360, 15106), (388, 15142), (523, 15367), (533, 15394), (560, 15427), (592, 15472), (617, 15529),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 26

Candidate Starts for Guillsminger_20:

(Start: 26 @16323 has 22 MA's), (118, 16563), (Start: 119 @16566 has 3 MA's), (141, 16593), (186, 16692), (244, 16794), (274, 16848), (298, 16878), (323, 16914), (325, 16917), (334, 16926), (372, 17001), (373, 17004), (437, 17082), (465, 17100), (469, 17106), (482, 17130), (484, 17133), (488, 17139), (500, 17172), (601, 17382), (617, 17421), (622, 17439),

Gene: Gustav_17 Start: 14305, Stop: 15132, Start Num: 142

Candidate Starts for Gustav_17:

(Start: 142 @14305 has 13 MA's), (162, 14350), (174, 14374), (179, 14383), (207, 14437), (273, 14554), (318, 14605), (321, 14608), (349, 14653), (373, 14701), (377, 14713), (440, 14782), (449, 14797), (495, 14890), (528, 14938), (535, 14953), (538, 14959), (543, 14965), (548, 14974), (555, 14989), (568, 15010), (569, 15013), (592, 15046), (597, 15055),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 68

Candidate Starts for Gustavo_33:

(Start: 68 @28679 has 45 MA's), (151, 28820), (169, 28865), (176, 28877), (183, 28889), (188, 28904), (193, 28916), (204, 28943), (220, 28958), (239, 28985), (286, 29075), (316, 29111), (353, 29171), (386, 29207), (434, 29267), (496, 29357), (536, 29447), (548, 29471), (554, 29483), (594, 29549), (600, 29564), (611, 29588), (615, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 75

Candidate Starts for GuuelaD_17:

(Start: 75 @16108 has 61 MA's), (90, 16132), (104, 16162), (329, 16513), (331, 16516), (334, 16519), (350, 16549), (378, 16606), (393, 16630), (396, 16636), (448, 16705), (457, 16723), (469, 16744), (497, 16810), (517, 16870), (519, 16873), (593, 17002), (600, 17014),

Gene: GuyFagieri_44 Start: 30280, Stop: 31170, Start Num: 154

Candidate Starts for GuyFagieri_44:

(Start: 99 @30193 has 9 MA's), (125, 30241), (Start: 154 @30280 has 2 MA's), (225, 30397), (248, 30436), (258, 30454), (282, 30505), (349, 30604), (384, 30679), (390, 30688), (495, 30892), (505, 30922), (519, 30958), (534, 30997), (563, 31039), (599, 31102), (604, 31114), (613, 31135),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for HH92_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Hadrien_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 75

Candidate Starts for Hafay_17:

(Start: 75 @16107 has 61 MA's), (104, 16161), (181, 16287), (227, 16359), (329, 16512), (331, 16515), (334, 16518), (350, 16548), (378, 16605), (393, 16629), (396, 16635), (448, 16704), (457, 16722), (469, 16743), (492, 16797), (497, 16809), (519, 16872), (593, 17001), (600, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Hail_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 75

Candidate Starts for Halena_17:

(49, 15812), (Start: 60 @15848 has 10 MA's), (Start: 75 @15866 has 61 MA's), (90, 15890), (104, 15920), (Start: 110 @15935 has 1 MA's), (141, 15968), (227, 16112), (331, 16268), (334, 16271), (337, 16277), (361, 16322), (375, 16349), (396, 16388), (426, 16421), (433, 16430), (448, 16457), (501, 16577), (519, 16625), (534, 16652), (567, 16691), (571, 16697), (593, 16736),

Gene: Haley23_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Haley23_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 21

Candidate Starts for Halo_17:

(6, 15139), (Start: 21 @15472 has 217 MA's), (48, 15592), (Start: 54 @15610 has 2 MA's), (Start: 80 @15655 has 36 MA's), (88, 15661), (118, 15724), (144, 15760), (175, 15829), (176, 15832), (186, 15853), (215, 15907), (244, 15952), (263, 15982), (334, 16084), (340, 16096), (346, 16108), (355, 16126), (465, 16291), (482, 16321), (493, 16339), (500, 16363), (549, 16483), (601, 16573), (615, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 77

Candidate Starts for Halo3_31:

(Start: 77 @25345 has 29 MA's), (135, 25450), (166, 25519), (169, 25525), (183, 25549), (188, 25564), (434, 25924), (446, 25939), (458, 25957), (518, 26059), (536, 26101), (554, 26137), (607, 26233), (624, 26284),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 72

Candidate Starts for Hammer_30:

(Start: 72 @18965 has 238 MA's), (87, 18983), (104, 19019), (140, 19058), (188, 19163), (301, 19340), (331, 19379), (334, 19382), (376, 19469), (385, 19490), (461, 19616), (495, 19688), (563, 19838), (568, 19847), (612, 19928),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 21

Candidate Starts for Hammy_21:

(Start: 21 @16436 has 217 MA's), (48, 16553), (Start: 54 @16571 has 2 MA's), (69, 16604), (Start: 100 @16643 has 15 MA's), (141, 16712), (186, 16811), (188, 16817), (244, 16913), (274, 16967), (323, 17033), (334, 17045), (437, 17201), (469, 17225), (500, 17291), (501, 17294), (502, 17297), (536, 17384), (601, 17501), (617, 17540), (622, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 47

Candidate Starts for Hamood_21:

(Start: 47 @16827 has 17 MA's), (Start: 65 @16872 has 19 MA's), (92, 16902), (151, 17010), (221, 17160), (249, 17208), (297, 17292), (304, 17301), (337, 17343), (443, 17520), (489, 17589), (561, 17751), (583, 17784), (616, 17856), (617, 17859),

Gene: Hanray_27 Start: 20531, Stop: 21544, Start Num: 72

Candidate Starts for Hanray_27:

(Start: 72 @20531 has 238 MA's), (87, 20549), (118, 20606), (140, 20624), (155, 20660), (258, 20840), (274, 20876), (301, 20906), (334, 20948), (421, 21107), (495, 21251), (517, 21314), (555, 21389), (563, 21401), (578, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 70

Candidate Starts for Hans_34:

(Start: 70 @28153 has 24 MA's), (149, 28276), (165, 28312), (192, 28372), (237, 28468), (303, 28579), (318, 28600), (377, 28702), (412, 28738), (526, 28954), (528, 28960), (534, 28975), (541, 28990), (559, 29026), (580, 29059), (582, 29062), (616, 29128),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 80

Candidate Starts for Harlequin_22:

(Start: 80 @15430 has 36 MA's), (Start: 100 @15469 has 15 MA's), (Start: 152 @15550 has 1 MA's), (Start: 154 @15556 has 2 MA's), (187, 15625), (241, 15703), (254, 15730), (334, 15841), (415, 15937), (517, 16066), (526, 16084), (555, 16141), (563, 16153), (626, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 72

Candidate Starts for HarryHoudini_29:

(Start: 72 @19660 has 238 MA's), (118, 19735), (140, 19753), (155, 19789), (174, 19828), (258, 19969), (301, 20035), (331, 20074), (334, 20077), (563, 20533), (578, 20557),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 21

Candidate Starts for HedwigODU_22:

(Start: 21 @16020 has 217 MA's), (48, 16137), (Start: 100 @16227 has 15 MA's), (108, 16248), (Start: 119 @16269 has 3 MA's), (141, 16296), (274, 16551), (336, 16632), (373, 16707), (390, 16722), (482, 16833), (500, 16875), (536, 16968), (548, 16992), (601, 17085), (617, 17124), (622, 17142),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 72

Candidate Starts for Heffalump_29:

(Start: 72 @21031 has 238 MA's), (118, 21106), (140, 21124), (155, 21160), (174, 21199), (301, 21406), (331, 21445), (334, 21448), (517, 21811), (555, 21886), (563, 21898), (612, 21988),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 26

Candidate Starts for Heftyboy_20:

(Start: 26 @16471 has 22 MA's), (Start: 80 @16645 has 36 MA's), (118, 16711), (Start: 119 @16714 has 3 MA's), (141, 16741), (186, 16840), (244, 16942), (274, 16996), (298, 17026), (323, 17062), (325, 17065), (334, 17074), (372, 17149), (373, 17152), (412, 17188), (437, 17230), (465, 17248), (469,

17254), (482, 17278), (484, 17281), (488, 17287), (500, 17320), (601, 17530), (617, 17569), (622, 17587),

Gene: Heinz_18 Start: 14187, Stop: 15035, Start Num: 142

Candidate Starts for Heinz_18:

(13, 13731), (46, 14007), (113, 14148), (Start: 142 @14187 has 13 MA's), (174, 14256), (188, 14286), (198, 14307), (225, 14340), (248, 14385), (326, 14499), (345, 14532), (349, 14538), (372, 14583), (377, 14598), (463, 14721), (469, 14730), (490, 14769), (503, 14802), (538, 14859), (563, 14901), (568, 14910), (597, 14961), (600, 14967), (617, 15006),

Gene: Helmet_31 Start: 18964, Stop: 19980, Start Num: 72

Candidate Starts for Helmet_31:

(Start: 72 @18964 has 238 MA's), (104, 19018), (140, 19057), (188, 19162), (274, 19309), (301, 19339), (331, 19378), (334, 19381), (376, 19468), (385, 19489), (461, 19615), (495, 19687), (563, 19837), (568, 19846), (612, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 72

Candidate Starts for Herbertwm_24:

(Start: 72 @17773 has 238 MA's), (87, 17791), (118, 17848), (140, 17866), (155, 17902), (174, 17941), (258, 18082), (301, 18148), (334, 18190), (377, 18280), (413, 18343), (470, 18439), (555, 18643), (563, 18655), (578, 18679), (612, 18745), (615, 18754),

Gene: Herod_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for Herod_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 72

Candidate Starts for Hexamo_30:

(Start: 72 @18932 has 238 MA's), (87, 18950), (104, 18986), (140, 19025), (188, 19130), (301, 19307), (331, 19346), (334, 19349), (376, 19436), (385, 19457), (461, 19583), (495, 19655), (563, 19805), (568, 19814), (612, 19895),

Gene: Hibiscus_17 Start: 14141, Stop: 14983, Start Num: 142

Candidate Starts for Hibiscus_17:

(113, 14102), (Start: 142 @14141 has 13 MA's), (174, 14210), (188, 14240), (198, 14261), (225, 14294), (247, 14336), (248, 14339), (377, 14546), (469, 14678), (503, 14750), (538, 14807), (563, 14849), (568, 14858), (597, 14909), (600, 14915), (617, 14954),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 41

Candidate Starts for Hilltopfarm_23:

(Start: 41 @18643 has 5 MA's), (69, 18709), (118, 18799), (Start: 121 @18805 has 1 MA's), (Start: 152 @18853 has 1 MA's), (173, 18901), (186, 18928), (198, 18955), (199, 18958), (220, 18979), (254, 19030), (280, 19081), (289, 19090), (309, 19117), (355, 19192), (369, 19216), (469, 19306), (482, 19330), (484, 19333), (500, 19369), (521, 19423), (524, 19432), (541, 19474), (543, 19477), (596, 19558), (599, 19567), (617, 19612),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 80

Candidate Starts for Hiro_22:

(Start: 80 @15736 has 36 MA's), (Start: 100 @15775 has 15 MA's), (Start: 154 @15862 has 2 MA's), (187, 15931), (241, 16009), (254, 16036), (334, 16147), (415, 16243), (517, 16372), (526, 16390), (563, 16459), (626, 16597),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 102

Candidate Starts for Hitter_18:

(Start: 98 @15787 has 6 MA's), (Start: 102 @15793 has 26 MA's), (188, 15949), (236, 16030), (292, 16129), (366, 16237), (437, 16321), (488, 16387), (511, 16432), (564, 16522), (592, 16564),

Gene: Holec_27 Start: 20531, Stop: 21544, Start Num: 72

Candidate Starts for Holec_27:

(Start: 72 @20531 has 238 MA's), (87, 20549), (118, 20606), (140, 20624), (155, 20660), (258, 20840), (274, 20876), (301, 20906), (334, 20948), (421, 21107), (495, 21251), (517, 21314), (555, 21389), (563, 21401), (578, 21425),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Homura_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 72

Candidate Starts for Hoot_30:

(Start: 72 @18945 has 238 MA's), (104, 18999), (140, 19038), (188, 19143), (274, 19290), (301, 19320), (331, 19359), (334, 19362), (357, 19407), (385, 19467), (495, 19665), (563, 19815), (568, 19824),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Hope_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Hortense_19 Start: 17069, Stop: 17905, Start Num: 120

Candidate Starts for Hortense_19:

(Start: 120 @17069 has 43 MA's), (Start: 130 @17078 has 36 MA's), (Start: 154 @17120 has 2 MA's), (167, 17153), (176, 17168), (199, 17216), (239, 17279), (242, 17285), (268, 17324), (305, 17378), (315, 17393), (336, 17417), (338, 17423), (360, 17459), (386, 17489), (402, 17498), (495, 17648), (533, 17738), (597, 17825),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for HortumSL17_28:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Hotshotbaby7_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Howe_19 Start: 17069, Stop: 17905, Start Num: 120

Candidate Starts for Howe_19:

(Start: 120 @17069 has 43 MA's), (Start: 130 @17078 has 36 MA's), (Start: 154 @17120 has 2 MA's), (167, 17153), (176, 17168), (199, 17216), (239, 17279), (242, 17285), (268, 17324), (305, 17378), (315, 17393), (336, 17417), (338, 17423), (360, 17459), (386, 17489), (402, 17498), (495, 17648), (533, 17738), (597, 17825),

Gene: HubbaBubba_39 Start: 25653, Stop: 26573, Start Num: 137

Candidate Starts for HubbaBubba_39:

(Start: 137 @25653 has 8 MA's), (176, 25734), (196, 25779), (248, 25848), (349, 26016), (390, 26100), (417, 26151), (489, 26274), (528, 26382), (536, 26400), (563, 26442), (576, 26463), (611, 26532), (613, 26538), (619, 26559),

Gene: Hugley_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for Hugley_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 79

Candidate Starts for HuhtaEnerson15_23:

(Start: 79 @18648 has 49 MA's), (140, 18744), (Start: 154 @18777 has 2 MA's), (155, 18780), (174, 18819), (258, 18954), (293, 19014), (301, 19020), (317, 19038), (334, 19062), (355, 19104), (511, 19416), (563, 19518), (612, 19608),

Gene: Huphlepuuff_51 Start: 26243, Stop: 27205, Start Num: 72

Candidate Starts for Huphlepuuff_51:

(Start: 72 @26243 has 238 MA's), (Start: 152 @26375 has 1 MA's), (165, 26399), (168, 26408), (172, 26414), (177, 26423), (188, 26447), (192, 26456), (198, 26468), (203, 26480), (269, 26594), (323, 26675), (334, 26690), (337, 26696), (393, 26804), (475, 26930), (478, 26936), (505, 27011), (542, 27086), (545, 27092), (552, 27104), (554, 27107), (602, 27194), (604, 27197), (606, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 21

Candidate Starts for Hurricane_21:

(Start: 21 @16451 has 217 MA's), (48, 16574), (Start: 80 @16637 has 36 MA's), (88, 16643), (104, 16673), (Start: 119 @16706 has 3 MA's), (176, 16811), (186, 16832), (220, 16895), (244, 16934), (263, 16964), (323, 17051), (346, 17087), (465, 17234), (482, 17264), (488, 17273), (500, 17306), (501, 17309), (502, 17312), (536, 17399), (586, 17486), (615, 17549), (617, 17555),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 72

Candidate Starts for Hutc2_27:

(Start: 72 @19733 has 238 MA's), (104, 19790), (Start: 152 @19865 has 1 MA's), (224, 19994), (258, 20054), (293, 20114), (301, 20120), (334, 20162), (357, 20207), (360, 20213), (408, 20297), (431, 20330), (563, 20612), (568, 20621), (578, 20636), (612, 20702),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Hyperbowlee_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Hyzer_18 Start: 17011, Stop: 17838, Start Num: 130

Candidate Starts for Hyzer_18:

(Start: 130 @17011 has 36 MA's), (236, 17206), (239, 17212), (285, 17290), (334, 17347), (338, 17356), (360, 17392), (365, 17401), (386, 17422), (451, 17506), (495, 17581), (597, 17758),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 137

Candidate Starts for IDyn_41:

(Start: 137 @27049 has 8 MA's), (176, 27130), (196, 27175), (248, 27244), (349, 27412), (390, 27496), (417, 27547), (447, 27580), (489, 27670), (528, 27778), (563, 27838), (611, 27928), (613, 27934), (619, 27955),

Gene: IPhone7_27 Start: 21457, Stop: 22368, Start Num: 65

Candidate Starts for IPhone7_27:

(Start: 65 @21457 has 19 MA's), (Start: 129 @21559 has 24 MA's), (146, 21577), (Start: 152 @21592 has 1 MA's), (188, 21664), (192, 21673), (247, 21751), (329, 21886), (331, 21889), (334, 21892), (371, 21961), (393, 22003), (396, 22009), (483, 22150), (492, 22171), (497, 22183), (565, 22306), (571, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 62

Candidate Starts for Ibrahim_18:

(Start: 62 @16018 has 7 MA's), (85, 16045), (Start: 94 @16063 has 2 MA's), (195, 16240), (196, 16243), (241, 16318), (274, 16384), (288, 16411), (331, 16468), (337, 16477), (476, 16714), (487, 16738), (524, 16837), (531, 16858), (543, 16879), (566, 16918), (571, 16927),

Gene: IdentityCrisis_16 Start: 12920, Stop: 14107, Start Num: 36

Candidate Starts for IdentityCrisis_16:

(Start: 36 @12920 has 1 MA's), (43, 12968), (44, 12971), (67, 13034), (83, 13055), (Start: 120 @13130 has 43 MA's), (163, 13205), (215, 13313), (223, 13325), (225, 13328), (241, 13352), (251, 13373), (273, 13418), (331, 13499), (343, 13520), (348, 13529), (355, 13544), (359, 13550), (380, 13595), (382, 13598), (397, 13622), (399, 13625), (454, 13721), (510, 13853), (531, 13889), (532, 13892), (540, 13907), (579, 13979), (596, 14012), (598, 14018), (600, 14024), (601, 14027), (627, 14096),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 21

Candidate Starts for Illumine_22:

(Start: 21 @16034 has 217 MA's), (48, 16151), (108, 16262), (Start: 119 @16283 has 3 MA's), (141, 16310), (187, 16412), (274, 16565), (336, 16646), (363, 16700), (373, 16721), (390, 16736), (482, 16847), (500, 16889), (536, 16982), (548, 17006), (601, 17099), (617, 17138), (622, 17156),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 72

Candidate Starts for Indra_30:

(Start: 72 @18965 has 238 MA's), (104, 19019), (140, 19058), (188, 19163), (274, 19310), (301, 19340), (331, 19379), (334, 19382), (376, 19469), (385, 19490), (461, 19616), (495, 19688), (563, 19838), (568, 19847), (612, 19928),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Inky_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 72

Candidate Starts for Insomnia_27:

(Start: 72 @19788 has 238 MA's), (104, 19845), (Start: 152 @19920 has 1 MA's), (224, 20049), (258, 20109), (293, 20169), (301, 20175), (334, 20217), (357, 20262), (360, 20268), (408, 20352), (431,

20385), (563, 20667), (568, 20676), (578, 20691), (612, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 70

Candidate Starts for Inspectinfecti_33:

(Start: 70 @28515 has 24 MA's), (149, 28638), (165, 28674), (192, 28734), (237, 28830), (303, 28941), (318, 28962), (377, 29064), (412, 29100), (526, 29316), (528, 29322), (534, 29337), (541, 29352), (559, 29388), (580, 29421), (582, 29424), (616, 29490),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 26

Candidate Starts for InvictusManeo_20:

(Start: 26 @16423 has 22 MA's), (Start: 80 @16597 has 36 MA's), (118, 16663), (Start: 119 @16666 has 3 MA's), (141, 16693), (186, 16792), (244, 16894), (274, 16948), (298, 16978), (323, 17014), (325, 17017), (334, 17026), (372, 17101), (373, 17104), (412, 17140), (437, 17182), (465, 17200), (469, 17206), (482, 17230), (484, 17233), (500, 17272), (601, 17482), (617, 17521), (622, 17539),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 72

Candidate Starts for IronMan_29:

(Start: 72 @20734 has 238 MA's), (118, 20809), (140, 20827), (174, 20902), (258, 21043), (272, 21073), (301, 21109), (334, 21151), (377, 21241), (408, 21292), (479, 21418), (511, 21505), (563, 21607), (578, 21631),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 72

Candidate Starts for Isiphiwo_30:

(Start: 72 @18957 has 238 MA's), (104, 19011), (140, 19050), (188, 19155), (274, 19302), (301, 19332), (331, 19371), (334, 19374), (357, 19419), (385, 19479), (495, 19677), (563, 19827), (568, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Itos_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 72

Candidate Starts for Iwokeuplikedis_28:

(Start: 72 @18928 has 238 MA's), (118, 19003), (140, 19021), (174, 19096), (301, 19303), (334, 19345), (357, 19390), (408, 19480), (461, 19573), (517, 19708), (555, 19783), (563, 19795),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 21

Candidate Starts for JAWS_22:

(Start: 21 @16005 has 217 MA's), (48, 16122), (Start: 100 @16212 has 15 MA's), (108, 16233), (Start: 119 @16254 has 3 MA's), (141, 16281), (274, 16536), (336, 16617), (373, 16692), (390, 16707), (482, 16818), (500, 16860), (536, 16953), (548, 16977), (601, 17070), (617, 17109), (622, 17127),

Gene: JCole_16 Start: 13901, Stop: 14749, Start Num: 120

Candidate Starts for JCole_16:

(Start: 75 @13814 has 61 MA's), (Start: 120 @13901 has 43 MA's), (127, 13907), (Start: 133 @13913 has 1 MA's), (196, 14042), (228, 14096), (253, 14129), (270, 14162), (334, 14249), (336, 14252), (346, 14273), (386, 14330), (520, 14552), (523, 14558), (617, 14720),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 21

Candidate Starts for JF1_23:

(Start: 21 @17489 has 217 MA's), (27, 17507), (Start: 40 @17579 has 2 MA's), (48, 17609), (Start: 100 @17699 has 15 MA's), (Start: 119 @17741 has 3 MA's), (140, 17765), (187, 17870), (328, 18092), (334, 18098), (436, 18248), (437, 18251), (465, 18269), (482, 18299), (500, 18341), (501, 18344), (521, 18395), (596, 18536), (601, 18551), (617, 18590), (622, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 68

Candidate Starts for JKSyngboy_31:

(Start: 68 @29254 has 45 MA's), (156, 29410), (169, 29440), (176, 29452), (183, 29464), (188, 29479), (193, 29491), (220, 29533), (284, 29647), (286, 29650), (316, 29686), (353, 29746), (370, 29770), (386, 29782), (434, 29842), (496, 29932), (536, 30022), (548, 30046), (554, 30058), (594, 30124), (600, 30139), (611, 30163), (615, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 76

Candidate Starts for JSwag_29:

(Start: 76 @18105 has 20 MA's), (Start: 152 @18219 has 1 MA's), (Start: 154 @18225 has 2 MA's), (155, 18228), (284, 18462), (461, 18729), (493, 18783), (563, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 72

Candidate Starts for Jaan_30:

(Start: 72 @21123 has 238 MA's), (118, 21198), (140, 21216), (174, 21291), (258, 21432), (272, 21462), (301, 21498), (334, 21540), (377, 21630), (398, 21666), (408, 21681), (479, 21807), (511, 21894), (563, 21996), (578, 22020),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 68

Candidate Starts for Jabberwocky_32:

(Start: 68 @30402 has 45 MA's), (169, 30588), (176, 30600), (188, 30627), (198, 30648), (239, 30708), (284, 30795), (286, 30798), (316, 30834), (340, 30867), (348, 30882), (353, 30894), (373, 30924), (386, 30930), (434, 30990), (496, 31080), (536, 31170), (548, 31194), (554, 31206), (594, 31272), (615, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 79

Candidate Starts for Jabiru_23:

(Start: 79 @18016 has 49 MA's), (140, 18112), (Start: 154 @18145 has 2 MA's), (155, 18148), (174, 18187), (258, 18322), (272, 18352), (293, 18382), (301, 18388), (317, 18406), (334, 18430), (355, 18472), (454, 18643), (563, 18886), (612, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 72

Candidate Starts for Jabith_27:

(Start: 72 @19788 has 238 MA's), (104, 19845), (Start: 152 @19920 has 1 MA's), (224, 20049), (258, 20109), (293, 20169), (301, 20175), (334, 20217), (357, 20262), (360, 20268), (408, 20352), (431, 20385), (563, 20667), (568, 20676), (578, 20691), (612, 20757),

Gene: Jablanski_19 Start: 16772, Stop: 17680, Start Num: 138

Candidate Starts for Jablanski_19:

(Start: 138 @16772 has 25 MA's), (165, 16829), (242, 16964), (251, 16979), (253, 16982), (278, 17033), (368, 17141), (392, 17189), (408, 17213), (420, 17231), (425, 17237), (445, 17273), (510, 17429), (528, 17456), (532, 17468), (540, 17483), (563, 17528), (573, 17546), (579, 17555), (597, 17591), (598, 17594), (613, 17630), (615, 17636), (617, 17642),

Gene: Jace_16 Start: 13933, Stop: 14742, Start Num: 133

Candidate Starts for Jace_16:

(Start: 133 @13933 has 1 MA's), (171, 14011), (195, 14062), (228, 14119), (239, 14134), (246, 14149), (266, 14176), (318, 14251), (359, 14305), (498, 14503), (572, 14614), (599, 14665), (613,

14698), (615, 14704),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 24

Candidate Starts for JacoRen57_16:

(Start: 24 @14312 has 4 MA's), (30, 14360), (59, 14465), (78, 14489), (Start: 80 @14492 has 36 MA's), (140, 14582), (143, 14588), (193, 14702), (199, 14711), (309, 14891), (334, 14924), (338, 14933), (425, 15062), (434, 15074), (437, 15083), (482, 15128), (488, 15137), (501, 15170), (508, 15191), (511, 15200), (536, 15260), (557, 15299), (561, 15305), (579, 15329), (615, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 100

Candidate Starts for Jalammah_20:

(Start: 100 @16587 has 15 MA's), (188, 16743), (236, 16824), (267, 16881), (271, 16890), (292, 16923), (366, 17031), (437, 17115), (488, 17181), (490, 17187), (564, 17316), (592, 17358),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 77

Candidate Starts for Jambalaya_30:

(Start: 77 @24699 has 29 MA's), (135, 24804), (166, 24873), (169, 24879), (183, 24903), (188, 24918), (434, 25278), (446, 25293), (458, 25311), (518, 25413), (536, 25455), (554, 25491), (607, 25587), (624, 25638),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Jane_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Jarvi_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 102

Candidate Starts for JasperJr_18:

(Start: 98 @15791 has 6 MA's), (Start: 102 @15797 has 26 MA's), (188, 15953), (236, 16034), (292, 16133), (366, 16241), (437, 16325), (490, 16397), (564, 16526), (581, 16553), (592, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 21

Candidate Starts for Jayhawk_22:

(Start: 21 @16018 has 217 MA's), (48, 16135), (Start: 100 @16225 has 15 MA's), (108, 16246), (Start: 119 @16267 has 3 MA's), (141, 16294), (274, 16549), (336, 16630), (373, 16705), (390, 16720), (482, 16831), (500, 16873), (536, 16966), (548, 16990), (601, 17083), (617, 17122), (622, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Jeckyll_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 72

Candidate Starts for Jeeves_26:

(Start: 72 @18193 has 238 MA's), (87, 18211), (104, 18247), (118, 18268), (140, 18286), (195, 18406), (274, 18538), (301, 18568), (331, 18607), (334, 18610), (357, 18655), (470, 18856), (474, 18862), (495, 18922), (563, 19072), (578, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 72

Candidate Starts for Jeffabunny_30:

(Start: 72 @18984 has 238 MA's), (87, 19002), (104, 19038), (140, 19077), (188, 19182), (301, 19359), (331, 19398), (334, 19401), (376, 19488), (385, 19509), (461, 19635), (495, 19707), (563, 19857), (568, 19866), (612, 19947),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 72

Candidate Starts for Jerm_29:

(Start: 72 @19620 has 238 MA's), (118, 19695), (140, 19713), (155, 19749), (174, 19788), (301, 19995), (331, 20034), (334, 20037), (376, 20124), (479, 20304), (517, 20406), (555, 20481), (563, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 80

Candidate Starts for Jester_22:

(Start: 80 @15424 has 36 MA's), (Start: 100 @15463 has 15 MA's), (Start: 154 @15550 has 2 MA's), (187, 15619), (241, 15697), (254, 15724), (334, 15835), (415, 15931), (517, 16060), (526, 16078), (563, 16147), (626, 16285),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 72

Candidate Starts for JewelBug_30:

(Start: 72 @18971 has 238 MA's), (104, 19025), (140, 19064), (188, 19169), (274, 19316), (301, 19346), (331, 19385), (334, 19388), (357, 19433), (385, 19493), (495, 19691), (563, 19841), (568, 19850),

Gene: Jiawan_27 Start: 20563, Stop: 21576, Start Num: 72

Candidate Starts for Jiawan_27:

(Start: 72 @20563 has 238 MA's), (87, 20581), (118, 20638), (140, 20656), (155, 20692), (258, 20872), (274, 20908), (301, 20938), (334, 20980), (421, 21139), (495, 21283), (517, 21346), (555, 21421), (563, 21433), (578, 21457),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 129

Candidate Starts for Jifall16_39:

(Start: 129 @29533 has 24 MA's), (176, 29620), (225, 29695), (261, 29761), (282, 29803), (324, 29860), (447, 30073), (460, 30100), (505, 30211), (563, 30343), (613, 30439),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for Jobypre_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (476, 17138), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 60

Candidate Starts for JoeDirt_17:

(49, 15803), (50, 15806), (Start: 60 @15839 has 10 MA's), (Start: 75 @15857 has 61 MA's), (90, 15881), (104, 15911), (Start: 110 @15926 has 1 MA's), (141, 15959), (227, 16103), (272, 16184), (331, 16259), (334, 16262), (337, 16268), (361, 16313), (375, 16340), (393, 16373), (396, 16379), (426, 16412), (433, 16421), (448, 16448), (501, 16568), (519, 16616), (534, 16643), (567, 16682), (571, 16688), (593, 16727),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 72

Candidate Starts for JoieB_50:

(Start: 72 @26435 has 238 MA's), (Start: 152 @26567 has 1 MA's), (165, 26591), (168, 26600), (172, 26606), (177, 26615), (188, 26639), (192, 26648), (198, 26660), (269, 26786), (323, 26867), (334, 26882), (337, 26888), (393, 26996), (475, 27122), (478, 27128), (542, 27278), (545, 27284), (552, 27296), (554, 27299), (602, 27386), (604, 27389), (606, 27392),

Gene: Jojo24_17 Start: 14138, Stop: 14980, Start Num: 142

Candidate Starts for Jojo24_17:

(113, 14099), (Start: 142 @14138 has 13 MA's), (174, 14207), (188, 14237), (198, 14258), (225, 14291), (247, 14333), (248, 14336), (377, 14543), (469, 14675), (538, 14804), (563, 14846), (597, 14906), (600, 14912), (617, 14951),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Jolene_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 21

Candidate Starts for Jolie2_17:

(1, 13731), (6, 14433), (Start: 21 @14787 has 217 MA's), (Start: 40 @14886 has 2 MA's), (Start: 54 @14934 has 2 MA's), (Start: 80 @14979 has 36 MA's), (88, 14985), (Start: 100 @15009 has 15 MA's), (144, 15084), (175, 15153), (176, 15156), (187, 15180), (211, 15231), (215, 15237), (244, 15282), (340, 15426), (360, 15465), (371, 15486), (450, 15591), (502, 15699), (540, 15795), (601, 15903), (615, 15936), (617, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 94

Candidate Starts for JonJames_46:

(Start: 94 @32084 has 2 MA's), (150, 32171), (183, 32237), (188, 32252), (191, 32258), (289, 32429), (336, 32486), (365, 32540), (388, 32564), (462, 32663), (473, 32681), (499, 32729), (511, 32747), (523, 32771), (613, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Jonghyun_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for JorRay_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 72

Candidate Starts for Jordennis_30:

(Start: 72 @18956 has 238 MA's), (104, 19010), (140, 19049), (188, 19154), (274, 19301), (301, 19331), (331, 19370), (334, 19373), (357, 19418), (385, 19478), (495, 19676), (563, 19826), (568, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 72

Candidate Starts for Joselito_27:

(Start: 72 @19736 has 238 MA's), (104, 19793), (Start: 152 @19868 has 1 MA's), (224, 19997), (258, 20057), (293, 20117), (301, 20123), (334, 20165), (357, 20210), (360, 20216), (408, 20300), (431, 20333), (563, 20615), (568, 20624), (578, 20639), (612, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 72

Candidate Starts for JoshKayV_29:

(Start: 72 @19590 has 238 MA's), (118, 19665), (140, 19683), (155, 19719), (174, 19758), (301, 19965), (331, 20004), (334, 20007), (376, 20094), (479, 20274), (517, 20376), (555, 20451), (563, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 72

Candidate Starts for Journey13_25:

(Start: 72 @18317 has 238 MA's), (118, 18392), (140, 18410), (155, 18446), (174, 18485), (274, 18662), (301, 18692), (334, 18734), (357, 18779), (408, 18869), (461, 18962), (517, 19097), (563, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 79

Candidate Starts for Jovo_23:

(Start: 79 @18755 has 49 MA's), (140, 18851), (Start: 154 @18884 has 2 MA's), (155, 18887), (174, 18926), (196, 18974), (301, 19127), (317, 19145), (334, 19169), (355, 19211), (511, 19523), (563, 19625), (579, 19652),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 21

Candidate Starts for Joy99_22:

(Start: 21 @15980 has 217 MA's), (48, 16097), (Start: 100 @16187 has 15 MA's), (108, 16208), (Start: 119 @16229 has 3 MA's), (141, 16256), (274, 16511), (336, 16592), (373, 16667), (390, 16682), (482, 16793), (500, 16835), (536, 16928), (548, 16952), (601, 17045), (617, 17084), (622, 17102),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 72

Candidate Starts for Jsquared_26:

(Start: 72 @18082 has 238 MA's), (104, 18136), (118, 18157), (140, 18175), (174, 18250), (301, 18457), (331, 18496), (334, 18499), (357, 18544), (461, 18727), (517, 18862), (563, 18949),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 100

Candidate Starts for JuJu_18:

(Start: 100 @15718 has 15 MA's), (Start: 110 @15733 has 1 MA's), (188, 15874), (236, 15955), (366, 16162), (437, 16246), (488, 16312), (511, 16357), (564, 16447), (581, 16474), (592, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 75

Candidate Starts for Jubie_18:

(Start: 75 @16491 has 61 MA's), (90, 16515), (Start: 110 @16560 has 1 MA's), (118, 16575), (141, 16596), (188, 16692), (274, 16827), (280, 16836), (331, 16896), (334, 16899), (337, 16905), (375, 16977), (393, 17010), (401, 17022), (448, 17085), (476, 17139), (485, 17160), (503, 17211), (519, 17253), (593, 17364), (595, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 21

Candidate Starts for Juliette_23:

(Start: 21 @17390 has 217 MA's), (Start: 40 @17480 has 2 MA's), (48, 17510), (Start: 100 @17600 has 15 MA's), (Start: 119 @17642 has 3 MA's), (Start: 121 @17645 has 1 MA's), (132, 17657), (328, 17993), (334, 17999), (372, 18074), (437, 18152), (463, 18167), (482, 18200), (500, 18242), (501, 18245), (537, 18338), (601, 18452), (617, 18491), (622, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 40

Candidate Starts for JustASigh_17:

(Start: 40 @15253 has 2 MA's), (Start: 42 @15268 has 22 MA's), (53, 15298), (56, 15301), (108, 15397), (140, 15442), (141, 15445), (144, 15451), (151, 15466), (190, 15550), (252, 15670), (284, 15727), (295, 15742), (339, 15805), (382, 15886), (394, 15904), (482, 16045), (541, 16186), (543, 16189), (557, 16213), (583, 16252), (596, 16273), (602, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 131

Candidate Starts for Kabluna_43:

(Start: 131 @28640 has 11 MA's), (176, 28721), (192, 28757), (282, 28904), (417, 29138), (444, 29165), (505, 29309), (563, 29426), (613, 29522), (615, 29528), (619, 29543),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 75

Candidate Starts for Kahlid_17:

(Start: 75 @16079 has 61 MA's), (90, 16103), (104, 16133), (181, 16259), (227, 16331), (329, 16484), (331, 16487), (334, 16490), (350, 16520), (378, 16577), (393, 16601), (396, 16607), (448, 16676), (457, 16694), (469, 16715), (492, 16769), (497, 16781), (519, 16844), (593, 16973), (600, 16985),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 72

Candidate Starts for Kalpine_30:

(Start: 72 @20976 has 238 MA's), (87, 20994), (118, 21051), (140, 21069), (155, 21105), (174, 21144), (301, 21351), (331, 21390), (334, 21393), (357, 21438), (384, 21498), (413, 21543), (461, 21624), (479, 21657), (563, 21846), (568, 21855), (578, 21870),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 68

Candidate Starts for Kamashten_33:

(Start: 68 @29854 has 45 MA's), (169, 30040), (176, 30052), (188, 30079), (198, 30100), (239, 30160), (284, 30247), (286, 30250), (316, 30286), (340, 30319), (348, 30334), (353, 30346), (373, 30376), (386, 30382), (434, 30442), (496, 30532), (536, 30622), (548, 30646), (554, 30658), (594, 30724), (600, 30739), (611, 30763), (615, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 102

Candidate Starts for KappaFarmDelta_18:

(Start: 98 @15955 has 6 MA's), (Start: 102 @15961 has 26 MA's), (148, 16027), (188, 16117), (236, 16198), (366, 16405), (437, 16489), (488, 16555), (490, 16561), (564, 16690), (581, 16717), (592, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Kareem_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 21

Candidate Starts for Kasen3_17:

(6, 15145), (Start: 21 @15478 has 217 MA's), (48, 15598), (Start: 54 @15616 has 2 MA's), (Start: 80 @15661 has 36 MA's), (88, 15667), (118, 15730), (144, 15766), (175, 15835), (176, 15838), (186, 15859), (215, 15913), (244, 15958), (263, 15988), (334, 16090), (340, 16102), (346, 16114), (355, 16132), (465, 16297), (482, 16327), (493, 16345), (500, 16369), (549, 16489), (601, 16579), (615, 16612),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 76

Candidate Starts for KatherineG_29:

(Start: 76 @18241 has 20 MA's), (Start: 152 @18355 has 1 MA's), (Start: 154 @18361 has 2 MA's), (155, 18364), (284, 18598), (461, 18865), (493, 18919), (563, 19075),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 72

Candidate Starts for Kazan_30:

(Start: 72 @18972 has 238 MA's), (104, 19026), (140, 19065), (188, 19170), (274, 19317), (301, 19347), (331, 19386), (334, 19389), (357, 19434), (385, 19494), (495, 19692), (563, 19842), (568, 19851),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 68

Candidate Starts for Keitabear_34:

(Start: 68 @31219 has 45 MA's), (169, 31405), (176, 31417), (188, 31444), (286, 31615), (316, 31651), (340, 31684), (348, 31699), (353, 31711), (373, 31741), (386, 31747), (434, 31807), (496, 31897), (536, 31987), (548, 32011), (554, 32023), (594, 32089), (600, 32104), (615, 32140),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for Kerberos_30:

(Start: 72 @19042 has 238 MA's), (118, 19117), (140, 19135), (235, 19306), (272, 19381), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 21

Candidate Starts for Keshu_21:

(Start: 21 @16443 has 217 MA's), (48, 16566), (Start: 80 @16629 has 36 MA's), (88, 16635), (104, 16665), (Start: 119 @16698 has 3 MA's), (176, 16803), (186, 16824), (188, 16830), (220, 16887), (244, 16926), (263, 16956), (274, 16980), (323, 17043), (346, 17079), (465, 17226), (482, 17256), (488, 17265), (500, 17298), (501, 17301), (502, 17304), (536, 17391), (586, 17478), (615, 17541), (617, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 68

Candidate Starts for Kewpiedoll_33:

(Start: 68 @29261 has 45 MA's), (169, 29447), (176, 29459), (188, 29486), (198, 29507), (239, 29567), (286, 29657), (316, 29693), (340, 29726), (348, 29741), (353, 29753), (373, 29783), (386, 29789), (434, 29849), (496, 29939), (536, 30029), (548, 30053), (554, 30065), (594, 30131), (600, 30146), (611, 30170), (615, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 72

Candidate Starts for Keziacharles14_26:

(Start: 72 @18620 has 238 MA's), (104, 18674), (140, 18713), (224, 18869), (258, 18929), (274, 18965), (301, 18995), (328, 19028), (334, 19037), (357, 19082), (413, 19187), (470, 19283), (555, 19487), (563, 19499), (568, 19508), (578, 19523), (612, 19589),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 21

Candidate Starts for KiSi_21:

(Start: 21 @15189 has 217 MA's), (48, 15306), (Start: 54 @15324 has 2 MA's), (108, 15417), (141, 15465), (244, 15666), (274, 15720), (309, 15765), (323, 15786), (355, 15840), (372, 15873), (390, 15891), (437, 15954), (500, 16044), (501, 16047), (521, 16098), (536, 16137), (601, 16254), (617, 16293), (622, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 129

Candidate Starts for KidneyBean_40:

(Start: 129 @29657 has 24 MA's), (176, 29744), (225, 29819), (261, 29885), (282, 29927), (324, 29984), (447, 30197), (460, 30224), (505, 30335), (563, 30467), (613, 30563),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 115

Candidate Starts for Kimchi1738_30:

(Start: 115 @26704 has 8 MA's), (139, 26728), (158, 26773), (187, 26833), (269, 26968), (368, 27130), (381, 27163), (444, 27238), (455, 27262), (511, 27337), (539, 27403), (563, 27439), (579, 27466), (608, 27523),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 77

Candidate Starts for KimmyK_32:

(Start: 77 @25634 has 29 MA's), (135, 25739), (166, 25808), (169, 25814), (183, 25838), (188, 25853), (434, 26213), (446, 26228), (458, 26246), (518, 26348), (536, 26390), (554, 26426), (607, 26522), (624, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Kinbote_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 72

Candidate Starts for KingCyrus_29:

(Start: 72 @19587 has 238 MA's), (118, 19662), (140, 19680), (155, 19716), (174, 19755), (301, 19962), (331, 20001), (334, 20004), (376, 20091), (479, 20271), (517, 20373), (555, 20448), (563, 20460),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for Kingsolomon_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (476, 17138), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: Kinmap_27 Start: 18591, Stop: 19607, Start Num: 72

Candidate Starts for Kinmap_27:

(Start: 72 @18591 has 238 MA's), (118, 18666), (140, 18684), (155, 18720), (301, 18966), (334, 19008), (376, 19095), (385, 19116), (416, 19167), (454, 19221), (555, 19452), (578, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 72

Candidate Starts for Kipper29_30:

(Start: 72 @18966 has 238 MA's), (104, 19020), (140, 19059), (188, 19164), (274, 19311), (301, 19341), (331, 19380), (334, 19383), (357, 19428), (385, 19488), (495, 19686), (563, 19836), (568, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 75

Candidate Starts for KirDoubleO7_16:

(Start: 75 @16499 has 61 MA's), (90, 16523), (Start: 110 @16568 has 1 MA's), (118, 16583), (141, 16604), (188, 16700), (192, 16709), (274, 16835), (280, 16844), (331, 16904), (334, 16907), (337, 16913), (375, 16985), (393, 17018), (401, 17030), (448, 17093), (485, 17168), (503, 17219), (519, 17261), (593, 17372), (595, 17375),

Gene: Kita_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Kita_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Koduck_27 Start: 18322, Stop: 19332, Start Num: 72

Candidate Starts for Koduck_27:

(Start: 72 @18322 has 238 MA's), (104, 18376), (118, 18397), (140, 18415), (174, 18490), (301, 18697), (331, 18736), (334, 18739), (461, 18967), (517, 19102), (555, 19177), (563, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 72

Candidate Starts for Koko_30:

(Start: 72 @19301 has 238 MA's), (87, 19319), (104, 19355), (140, 19394), (155, 19430), (188, 19499), (301, 19676), (331, 19715), (334, 19718), (376, 19805), (385, 19826), (461, 19952), (495, 20024), (563, 20174), (568, 20183), (612, 20264),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 26

Candidate Starts for Kratio_19:

(Start: 26 @16054 has 22 MA's), (Start: 80 @16228 has 36 MA's), (118, 16294), (Start: 119 @16297 has 3 MA's), (141, 16324), (186, 16423), (244, 16525), (274, 16579), (298, 16609), (323, 16645), (325, 16648), (334, 16657), (372, 16732), (373, 16735), (412, 16771), (437, 16813), (465, 16831), (469, 16837), (482, 16861), (484, 16864), (500, 16903), (541, 17008), (601, 17113), (617, 17152), (622, 17170),

Gene: Kraw_24 Start: 17413, Stop: 18546, Start Num: 21

Candidate Starts for Kraw_24:

(Start: 21 @17413 has 217 MA's), (27, 17431), (Start: 40 @17503 has 2 MA's), (48, 17533), (Start: 100 @17623 has 15 MA's), (Start: 119 @17665 has 3 MA's), (140, 17689), (187, 17794), (328, 18016), (334, 18022), (436, 18172), (437, 18175), (465, 18193), (482, 18223), (500, 18265), (501, 18268), (521, 18319), (596, 18460), (601, 18475), (617, 18514), (622, 18532),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 80

Candidate Starts for Krishelle_22:

(Start: 80 @15751 has 36 MA's), (Start: 100 @15790 has 15 MA's), (Start: 154 @15877 has 2 MA's), (187, 15946), (241, 16024), (254, 16051), (334, 16162), (415, 16258), (517, 16387), (526, 16405), (563, 16474), (626, 16612),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 68

Candidate Starts for Kroos_34:

(Start: 68 @29432 has 45 MA's), (156, 29588), (169, 29618), (176, 29630), (183, 29642), (188, 29657), (193, 29669), (286, 29828), (316, 29864), (353, 29924), (386, 29960), (434, 30020), (496, 30110), (536, 30200), (548, 30224), (554, 30236), (594, 30302), (600, 30317), (611, 30341), (615, 30353),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 21

Candidate Starts for Krueger_21:

(Start: 21 @15170 has 217 MA's), (48, 15290), (Start: 100 @15380 has 15 MA's), (141, 15449), (244, 15650), (336, 15785), (337, 15788), (390, 15875), (436, 15935), (465, 15956), (482, 15986), (500, 16028), (501, 16031), (502, 16034), (536, 16121), (548, 16145), (596, 16223), (601, 16238), (617, 16277), (622, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 75

Candidate Starts for Krypton555_18:

(Start: 75 @16428 has 61 MA's), (90, 16452), (Start: 110 @16497 has 1 MA's), (118, 16512), (141, 16533), (188, 16629), (274, 16764), (280, 16773), (331, 16833), (334, 16836), (337, 16842), (375, 16914), (393, 16947), (401, 16959), (448, 17022), (476, 17076), (485, 17097), (503, 17148), (519, 17190), (593, 17301), (595, 17304),

Gene: Kudrefre_26 Start: 20872, Stop: 21783, Start Num: 72

Candidate Starts for Kudrefre_26:

(Start: 72 @20872 has 238 MA's), (82, 20887), (254, 21178), (256, 21181), (317, 21280), (329, 21298), (334, 21304), (346, 21328), (393, 21415), (396, 21421), (430, 21469), (474, 21547), (475, 21550), (495, 21601), (514, 21655), (534, 21697), (566, 21733), (567, 21736), (577, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 61

Candidate Starts for Kumao_27:

(Start: 61 @20552 has 1 MA's), (Start: 94 @20600 has 2 MA's), (118, 20651), (Start: 152 @20693 has 1 MA's), (161, 20708), (174, 20735), (188, 20765), (274, 20906), (329, 20987), (331, 20990), (334, 20993), (337, 20999), (393, 21104), (396, 21110), (492, 21272), (503, 21305), (513, 21332), (537, 21380), (571, 21419), (591, 21455),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 129

Candidate Starts for Kurt_40:

(Start: 129 @29894 has 24 MA's), (176, 29981), (225, 30056), (261, 30122), (282, 30164), (324, 30221), (447, 30434), (460, 30461), (505, 30572), (563, 30704), (613, 30800),

Gene: Kuwabara_18 Start: 15067, Stop: 15990, Start Num: 138

Candidate Starts for Kuwabara_18:

(Start: 136 @15064 has 1 MA's), (Start: 138 @15067 has 25 MA's), (165, 15124), (222, 15226), (229, 15238), (245, 15262), (251, 15271), (253, 15274), (254, 15277), (291, 15340), (332, 15373), (354, 15409), (383, 15469), (392, 15481), (408, 15505), (425, 15529), (427, 15532), (429, 15535), (510, 15721), (527, 15763), (528, 15766), (531, 15775), (532, 15778), (539, 15790), (540, 15793), (546, 15805), (552, 15817), (563, 15838), (568, 15847), (573, 15856), (597, 15901), (598, 15904), (600, 15910), (615, 15946), (617, 15952),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 70

Candidate Starts for Kwekel_31:

(Start: 70 @26508 has 24 MA's), (86, 26520), (Start: 96 @26541 has 9 MA's), (Start: 99 @26547 has 9 MA's), (118, 26586), (123, 26595), (149, 26631), (156, 26649), (161, 26658), (192, 26727), (237, 26823), (256, 26856), (363, 27024), (377, 27057), (412, 27093), (465, 27168), (511, 27273), (514, 27279), (528, 27309), (541, 27336), (559, 27372), (580, 27405), (616, 27474),

Gene: Kwobi_34 Start: 29418, Stop: 30374, Start Num: 68

Candidate Starts for Kwobi_34:

(Start: 68 @29418 has 45 MA's), (156, 29574), (169, 29604), (176, 29616), (183, 29628), (188, 29643), (193, 29655), (286, 29814), (316, 29850), (353, 29910), (386, 29946), (434, 30006), (496, 30096), (536, 30186), (548, 30210), (554, 30222), (594, 30288), (600, 30303), (611, 30327), (615,

30339),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 72

Candidate Starts for L5_27:

(Start: 72 @18333 has 238 MA's), (104, 18387), (118, 18408), (140, 18426), (174, 18501), (301, 18708), (331, 18747), (334, 18750), (461, 18978), (517, 19113), (555, 19188), (563, 19200),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 72

Candidate Starts for LadyBird_27:

(Start: 72 @19164 has 238 MA's), (104, 19218), (140, 19257), (174, 19332), (258, 19473), (301, 19539), (331, 19578), (334, 19581), (461, 19809), (517, 19944), (527, 19965), (555, 20019), (563, 20031), (612, 20121),

Gene: Lamberg_16 Start: 13846, Stop: 14694, Start Num: 120

Candidate Starts for Lamberg_16:

(Start: 75 @13759 has 61 MA's), (Start: 120 @13846 has 43 MA's), (127, 13852), (171, 13936), (196, 13987), (228, 14041), (239, 14056), (253, 14074), (270, 14107), (315, 14173), (334, 14194), (336, 14197), (346, 14218), (386, 14275), (520, 14497), (523, 14503), (615, 14659), (617, 14665),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 72

Candidate Starts for Landor_28:

(Start: 72 @20775 has 238 MA's), (118, 20850), (140, 20868), (174, 20943), (258, 21084), (272, 21114), (301, 21150), (334, 21192), (377, 21282), (398, 21318), (408, 21333), (479, 21459), (511, 21546), (563, 21648), (578, 21672),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 72

Candidate Starts for Larenn_28:

(Start: 72 @19455 has 238 MA's), (118, 19530), (140, 19548), (155, 19584), (174, 19623), (258, 19764), (301, 19830), (331, 19869), (334, 19872), (461, 20106), (527, 20262), (563, 20328), (578, 20352),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 26

Candidate Starts for Larva_20:

(Start: 26 @16169 has 22 MA's), (Start: 80 @16343 has 36 MA's), (118, 16409), (141, 16439), (186, 16538), (244, 16640), (274, 16694), (298, 16724), (323, 16760), (325, 16763), (334, 16772), (372, 16847), (373, 16850), (412, 16886), (437, 16928), (465, 16946), (469, 16952), (482, 16976), (484, 16979), (500, 17018), (540, 17120), (601, 17228), (617, 17267), (622, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 21

Candidate Starts for LastHope_22:

(Start: 21 @15314 has 217 MA's), (48, 15431), (108, 15542), (141, 15590), (187, 15692), (274, 15845), (336, 15926), (390, 16016), (482, 16127), (500, 16169), (536, 16262), (548, 16286), (601, 16379), (617, 16418), (622, 16436),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 76

Candidate Starts for LastResort_29:

(Start: 76 @18122 has 20 MA's), (Start: 152 @18236 has 1 MA's), (Start: 154 @18242 has 2 MA's), (155, 18245), (284, 18479), (461, 18746), (493, 18800), (563, 18956),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 21

Candidate Starts for LaterM_22:

(Start: 21 @15979 has 217 MA's), (48, 16096), (108, 16207), (Start: 119 @16228 has 3 MA's), (141, 16255), (187, 16357), (274, 16510), (336, 16591), (390, 16681), (482, 16792), (500, 16834), (536,

16927), (548, 16951), (601, 17044), (617, 17083), (622, 17101),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 60

Candidate Starts for LeBron_17:

(Start: 60 @15873 has 10 MA's), (Start: 75 @15891 has 61 MA's), (90, 15915), (104, 15945), (Start: 110 @15960 has 1 MA's), (141, 15993), (227, 16137), (272, 16218), (331, 16293), (334, 16296), (337, 16302), (361, 16347), (375, 16374), (393, 16407), (396, 16413), (426, 16446), (433, 16455), (448, 16482), (501, 16602), (519, 16650), (567, 16716), (571, 16722), (593, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 21

Candidate Starts for LeMond_21:

(Start: 21 @15260 has 217 MA's), (48, 15377), (Start: 54 @15395 has 2 MA's), (Start: 80 @15440 has 36 MA's), (108, 15488), (141, 15536), (244, 15737), (274, 15791), (309, 15836), (323, 15857), (355, 15911), (372, 15944), (390, 15962), (437, 16025), (500, 16115), (501, 16118), (521, 16169), (536, 16208), (601, 16325), (617, 16364), (622, 16382),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 21

Candidate Starts for Lemuria_17:

(Start: 21 @14821 has 217 MA's), (Start: 54 @14968 has 2 MA's), (Start: 80 @15013 has 36 MA's), (88, 15019), (140, 15109), (175, 15187), (176, 15190), (186, 15211), (187, 15214), (211, 15265), (215, 15271), (244, 15316), (340, 15460), (355, 15490), (372, 15523), (450, 15625), (469, 15661), (482, 15685), (502, 15733), (540, 15829), (592, 15916), (601, 15937), (615, 15970), (617, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 68

Candidate Starts for Lennon_34:

(Start: 68 @31006 has 45 MA's), (169, 31192), (176, 31204), (188, 31231), (198, 31252), (239, 31312), (284, 31399), (286, 31402), (316, 31438), (340, 31471), (348, 31486), (353, 31498), (373, 31528), (386, 31534), (434, 31594), (496, 31684), (536, 31774), (548, 31798), (554, 31810), (594, 31876), (615, 31927), (624, 31957),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 72

Candidate Starts for Leogania_29:

(Start: 72 @21323 has 238 MA's), (118, 21398), (140, 21416), (155, 21452), (174, 21491), (274, 21668), (301, 21698), (331, 21737), (334, 21740), (461, 21968), (517, 22103), (555, 22178), (563, 22190), (612, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 70

Candidate Starts for Leonard_32:

(Start: 70 @28151 has 24 MA's), (149, 28274), (165, 28310), (192, 28370), (237, 28466), (303, 28577), (318, 28598), (377, 28700), (404, 28721), (412, 28736), (455, 28793), (482, 28844), (526, 28952), (528, 28958), (534, 28973), (543, 28991), (559, 29024), (580, 29057), (582, 29060), (616, 29126),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 26

Candidate Starts for Leston_20:

(Start: 26 @16453 has 22 MA's), (118, 16693), (Start: 119 @16696 has 3 MA's), (141, 16723), (186, 16822), (244, 16924), (274, 16978), (298, 17008), (323, 17044), (325, 17047), (334, 17056), (372, 17131), (373, 17134), (437, 17212), (465, 17230), (469, 17236), (482, 17260), (484, 17263), (488, 17269), (500, 17302), (601, 17512), (617, 17551), (622, 17569),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 79

Candidate Starts for Lev2_23:

(Start: 79 @18467 has 49 MA's), (140, 18563), (Start: 154 @18596 has 2 MA's), (155, 18599), (174, 18638), (196, 18686), (301, 18839), (317, 18857), (334, 18881), (355, 18923), (511, 19235), (563, 19337), (579, 19364), (612, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 72

Candidate Starts for Leviathan_29:

(Start: 72 @19676 has 238 MA's), (118, 19751), (140, 19769), (155, 19805), (174, 19844), (301, 20051), (331, 20090), (334, 20093), (376, 20180), (479, 20360), (517, 20462), (555, 20537), (563, 20549),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Lewan_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 21

Candidate Starts for Liefie_17:

(6, 15143), (Start: 21 @15476 has 217 MA's), (48, 15596), (Start: 54 @15614 has 2 MA's), (Start: 80 @15659 has 36 MA's), (88, 15665), (118, 15728), (144, 15764), (175, 15833), (176, 15836), (186, 15857), (215, 15911), (244, 15956), (263, 15986), (334, 16088), (340, 16100), (355, 16130), (465, 16295), (482, 16325), (493, 16343), (500, 16367), (549, 16487), (601, 16577), (615, 16610),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 75

Candidate Starts for LilDestine_17:

(Start: 75 @16073 has 61 MA's), (90, 16097), (104, 16127), (181, 16253), (227, 16325), (329, 16478), (331, 16481), (334, 16484), (350, 16514), (378, 16571), (393, 16595), (396, 16601), (448, 16670), (457, 16688), (469, 16709), (497, 16775), (519, 16838), (593, 16967), (600, 16979),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 68

Candidate Starts for LilHam_31:

(Start: 68 @28021 has 45 MA's), (169, 28207), (176, 28219), (183, 28231), (188, 28246), (193, 28258), (204, 28285), (220, 28300), (239, 28327), (286, 28417), (316, 28453), (353, 28513), (370, 28537), (386, 28549), (434, 28609), (496, 28699), (536, 28789), (548, 28813), (554, 28825), (594, 28891), (600, 28906), (611, 28930), (615, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for LilHazelnut_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for LilPharaoh_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 72

Candidate Starts for LilTurb_29:

(Start: 72 @19679 has 238 MA's), (118, 19754), (140, 19772), (155, 19808), (174, 19847), (301, 20054), (331, 20093), (334, 20096), (376, 20183), (479, 20363), (517, 20465), (555, 20540), (563, 20552),

Gene: Lilas_19 Start: 16810, Stop: 17718, Start Num: 138

Candidate Starts for Lilas_19:

(Start: 138 @16810 has 25 MA's), (165, 16867), (251, 17017), (253, 17020), (278, 17071), (347, 17140), (368, 17179), (392, 17227), (408, 17251), (425, 17275), (510, 17467), (528, 17494), (531, 17503), (532, 17506), (540, 17521), (561, 17563), (563, 17566), (579, 17593), (597, 17629), (601, 17641), (615, 17674), (617, 17680),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 63

Candidate Starts for Lilbeanie_29:

(Start: 63 @23420 has 2 MA's), (73, 23426), (Start: 99 @23471 has 9 MA's), (113, 23504), (165, 23594), (226, 23729), (237, 23750), (377, 23984), (412, 24020), (436, 24056), (486, 24143), (508, 24206), (514, 24221), (528, 24251), (574, 24332), (580, 24347), (582, 24350), (616, 24422),

Gene: Lilbit_50 Start: 26439, Stop: 27401, Start Num: 72

Candidate Starts for Lilbit_50:

(Start: 72 @26439 has 238 MA's), (Start: 152 @26571 has 1 MA's), (165, 26595), (168, 26604), (172, 26610), (177, 26619), (188, 26643), (192, 26652), (198, 26664), (203, 26676), (269, 26790), (323, 26871), (334, 26886), (337, 26892), (393, 27000), (475, 27126), (478, 27132), (505, 27207), (542, 27282), (545, 27288), (552, 27300), (554, 27303), (602, 27390), (604, 27393), (606, 27396),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 72

Candidate Starts for Lilbunny_30:

(Start: 72 @18958 has 238 MA's), (87, 18976), (104, 19012), (140, 19051), (188, 19156), (301, 19333), (331, 19372), (334, 19375), (376, 19462), (385, 19483), (461, 19609), (495, 19681), (563, 19831), (568, 19840), (612, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 65

Candidate Starts for LilhomieP_26:

(Start: 65 @21457 has 19 MA's), (Start: 129 @21559 has 24 MA's), (146, 21577), (Start: 152 @21592 has 1 MA's), (188, 21664), (192, 21673), (247, 21751), (329, 21886), (331, 21889), (334, 21892), (371, 21961), (393, 22003), (396, 22009), (483, 22150), (492, 22171), (497, 22183), (565, 22306), (571, 22318),

Gene: Lilleskat_26 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for Lilleskat_26:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Lillie_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 21

Candidate Starts for LindNT_22:

(Start: 21 @15985 has 217 MA's), (48, 16102), (Start: 100 @16192 has 15 MA's), (108, 16213), (Start: 119 @16234 has 3 MA's), (141, 16261), (274, 16516), (336, 16597), (373, 16672), (390, 16687), (482, 16798), (500, 16840), (536, 16933), (548, 16957), (601, 17050), (617, 17089), (622, 17107),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 79

Candidate Starts for LittleCherry_23:

(Start: 79 @18649 has 49 MA's), (140, 18745), (Start: 154 @18778 has 2 MA's), (155, 18781), (258, 18955), (293, 19015), (301, 19021), (317, 19039), (334, 19063), (355, 19105), (511, 19417), (563, 19519), (612, 19609),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 72

Candidate Starts for LittleLaf_49:

(Start: 72 @26168 has 238 MA's), (Start: 152 @26300 has 1 MA's), (165, 26324), (168, 26333), (172, 26339), (177, 26348), (188, 26372), (192, 26381), (198, 26393), (203, 26405), (269, 26519), (323, 26600), (334, 26615), (337, 26621), (393, 26729), (475, 26855), (478, 26861), (505, 26936), (542, 27011), (545, 27017), (552, 27029), (554, 27032), (602, 27119), (604, 27122), (606, 27125),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for LiyuLake_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (192, 16700), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Llorens_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 75

Candidate Starts for Loadrie_17:

(Start: 75 @16106 has 61 MA's), (90, 16130), (104, 16160), (181, 16286), (227, 16358), (329, 16511), (331, 16514), (334, 16517), (350, 16547), (378, 16604), (393, 16628), (396, 16634), (448, 16703), (457, 16721), (469, 16742), (492, 16796), (497, 16808), (519, 16871), (593, 17000), (600, 17012),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 72

Candidate Starts for Lokk_30:

(Start: 72 @20830 has 238 MA's), (140, 20923), (155, 20959), (174, 20998), (301, 21205), (331, 21244), (334, 21247), (357, 21292), (461, 21475), (479, 21508), (517, 21610), (555, 21685), (563, 21697), (612, 21787),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 129

Candidate Starts for Lollipop1437_45:

(Start: 129 @30536 has 24 MA's), (176, 30614), (225, 30689), (282, 30797), (341, 30881), (444, 31061), (447, 31067), (536, 31283), (563, 31322), (604, 31397), (613, 31418), (619, 31439),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 75

Candidate Starts for Lolly9_18:

(Start: 75 @16308 has 61 MA's), (90, 16332), (Start: 110 @16377 has 1 MA's), (118, 16392), (141, 16413), (188, 16509), (274, 16644), (280, 16653), (331, 16713), (334, 16716), (337, 16722), (375, 16794), (393, 16827), (401, 16839), (448, 16902), (475, 16953), (485, 16977), (503, 17028), (519, 17070), (593, 17181), (595, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 71

Candidate Starts for LoneWolf_28:

(Start: 71 @20332 has 1 MA's), (87, 20350), (Start: 100 @20377 has 15 MA's), (118, 20407), (140, 20425), (155, 20461), (183, 20515), (258, 20641), (274, 20677), (301, 20707), (334, 20749), (421, 20908), (461, 20980), (495, 21052), (555, 21190), (563, 21202), (568, 21211), (578, 21226),

Gene: LonelyBoi_19 Start: 16813, Stop: 17721, Start Num: 138

Candidate Starts for LonelyBoi_19:

(Start: 138 @16813 has 25 MA's), (165, 16870), (242, 17005), (251, 17020), (253, 17023), (278, 17074), (368, 17182), (392, 17230), (408, 17254), (420, 17272), (425, 17278), (445, 17314), (510, 17470), (528, 17497), (532, 17509), (540, 17524), (563, 17569), (579, 17596), (597, 17632), (598, 17635), (613, 17671), (615, 17677), (617, 17683),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 76

Candidate Starts for Looper_30:

(Start: 76 @18119 has 20 MA's), (Start: 152 @18233 has 1 MA's), (Start: 154 @18239 has 2 MA's), (155, 18242), (284, 18476), (461, 18743), (493, 18797), (563, 18953),

Gene: LordFarquaad_16 Start: 13903, Stop: 14751, Start Num: 120

Candidate Starts for LordFarquaad_16:

(Start: 120 @13903 has 43 MA's), (127, 13909), (196, 14044), (253, 14131), (270, 14164), (334, 14251), (336, 14254), (346, 14275), (360, 14299), (386, 14332), (520, 14554), (523, 14560), (617, 14722),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 72

Candidate Starts for Loser_30:

(Start: 72 @20932 has 238 MA's), (87, 20950), (118, 21007), (140, 21025), (155, 21061), (174, 21100), (301, 21307), (331, 21346), (334, 21349), (357, 21394), (413, 21499), (461, 21580), (479, 21613), (511, 21700), (563, 21802), (568, 21811),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for LouisV14_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 68

Candidate Starts for Love_37:

(Start: 68 @30788 has 45 MA's), (169, 30974), (176, 30986), (188, 31013), (198, 31034), (239, 31094), (284, 31181), (286, 31184), (316, 31220), (340, 31253), (348, 31268), (353, 31280), (373, 31310), (386, 31316), (434, 31376), (496, 31466), (520, 31517), (536, 31556), (548, 31580), (554, 31592), (594, 31658), (611, 31697), (615, 31709), (624, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 99

Candidate Starts for Lozinak_47:

(Start: 96 @28706 has 9 MA's), (Start: 99 @28712 has 9 MA's), (Start: 130 @28760 has 36 MA's), (150, 28787), (185, 28859), (220, 28925), (239, 28955), (302, 29063), (365, 29156), (388, 29180), (407, 29195), (473, 29291), (499, 29339), (599, 29519), (614, 29555),

Gene: Lton_16 Start: 13875, Stop: 14723, Start Num: 120

Candidate Starts for Lton_16:

(Start: 75 @13788 has 61 MA's), (Start: 120 @13875 has 43 MA's), (127, 13881), (171, 13965), (196, 14016), (228, 14070), (253, 14103), (270, 14136), (315, 14202), (334, 14223), (336, 14226), (346, 14247), (386, 14304), (520, 14526), (523, 14532), (615, 14688), (617, 14694),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 72

Candidate Starts for Luchador_28:

(Start: 72 @19388 has 238 MA's), (87, 19406), (104, 19442), (118, 19463), (140, 19481), (188, 19586), (195, 19601), (274, 19733), (293, 19757), (301, 19763), (331, 19802), (334, 19805), (357, 19850), (408, 19943), (454, 20015), (470, 20051), (474, 20057), (495, 20117), (563, 20267), (578, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 72

Candidate Starts for Lucivia_27:

(Start: 72 @19785 has 238 MA's), (104, 19842), (Start: 152 @19917 has 1 MA's), (224, 20046), (258, 20106), (293, 20166), (301, 20172), (334, 20214), (357, 20259), (360, 20265), (408, 20349), (431, 20382), (563, 20664), (568, 20673), (578, 20688), (612, 20754),

Gene: Lucky10_17 Start: 14280, Stop: 15188, Start Num: 138

Candidate Starts for Lucky10_17:

(Start: 138 @14280 has 25 MA's), (162, 14331), (229, 14451), (245, 14475), (253, 14487), (254, 14490), (291, 14553), (347, 14607), (383, 14682), (403, 14709), (420, 14736), (425, 14742), (427, 14745), (474, 14832), (510, 14937), (528, 14964), (531, 14973), (532, 14976), (539, 14988), (540, 14991), (563, 15036), (568, 15045), (613, 15138),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 72

Candidate Starts for Lucyedi_28:

(Start: 72 @19862 has 238 MA's), (87, 19880), (140, 19955), (174, 20030), (207, 20093), (301, 20237), (331, 20276), (334, 20279), (376, 20366), (506, 20618), (511, 20633), (527, 20669), (563, 20735), (573, 20753), (578, 20759),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Luke_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 75

Candidate Starts for Lumos_18:

(Start: 75 @16487 has 61 MA's), (90, 16511), (Start: 110 @16556 has 1 MA's), (118, 16571), (141, 16592), (188, 16688), (274, 16823), (280, 16832), (331, 16892), (334, 16895), (337, 16901), (375, 16973), (393, 17006), (401, 17018), (448, 17081), (476, 17135), (485, 17156), (503, 17207), (519, 17249), (593, 17360), (595, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Luna22_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Lunahalos_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 98

Candidate Starts for Lysidious_19:

(Start: 98 @16311 has 6 MA's), (Start: 102 @16317 has 26 MA's), (188, 16473), (236, 16554), (267, 16611), (271, 16620), (292, 16653), (366, 16761), (437, 16845), (488, 16911), (490, 16917), (564, 17046), (592, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 75

Candidate Starts for MAckerman_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 21

Candidate Starts for MOOREtheMARYer_17:

(Start: 15 @15684 has 1 MA's), (Start: 21 @15720 has 217 MA's), (Start: 54 @15864 has 2 MA's), (88, 15915), (Start: 119 @15981 has 3 MA's), (Start: 121 @15984 has 1 MA's), (144, 16014), (176, 16086), (211, 16155), (215, 16161), (301, 16296), (340, 16350), (371, 16410), (453, 16518), (465, 16545), (482, 16575), (500, 16617), (540, 16719), (583, 16791), (585, 16794), (596, 16812), (615, 16860),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 72

Candidate Starts for MaCh_27:

(Start: 72 @19727 has 238 MA's), (104, 19784), (Start: 152 @19859 has 1 MA's), (224, 19988), (258, 20048), (293, 20108), (301, 20114), (334, 20156), (357, 20201), (360, 20207), (408, 20291), (431, 20324), (563, 20606), (568, 20615), (578, 20630), (612, 20696),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 72

Candidate Starts for Mabel_27:

(Start: 72 @19788 has 238 MA's), (104, 19845), (Start: 152 @19920 has 1 MA's), (224, 20049), (258, 20109), (293, 20169), (301, 20175), (334, 20217), (357, 20262), (360, 20268), (408, 20352), (431, 20385), (563, 20667), (568, 20676), (578, 20691), (612, 20757),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 154

Candidate Starts for MacGully_49:

(Start: 99 @30635 has 9 MA's), (125, 30683), (Start: 154 @30719 has 2 MA's), (155, 30722), (254, 30890), (258, 30896), (330, 31013), (341, 31031), (349, 31046), (384, 31121), (417, 31181), (444, 31220), (447, 31226), (505, 31364), (528, 31424), (543, 31457), (563, 31481), (599, 31544), (613, 31577), (615, 31583),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 21

Candidate Starts for MacnCheese_22:

(Start: 21 @16685 has 217 MA's), (48, 16808), (Start: 80 @16871 has 36 MA's), (88, 16877), (Start: 100 @16898 has 15 MA's), (104, 16907), (Start: 119 @16940 has 3 MA's), (176, 17045), (186, 17066), (244, 17168), (263, 17198), (274, 17222), (294, 17243), (323, 17285), (346, 17321), (465, 17468), (482, 17498), (488, 17507), (500, 17540), (501, 17543), (502, 17546), (536, 17633), (557,

17672), (586, 17720), (613, 17777), (615, 17783), (617, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 24

Candidate Starts for Maco6_18:

(Start: 24 @14149 has 4 MA's), (30, 14197), (Start: 72 @14305 has 238 MA's), (Start: 80 @14314 has 36 MA's), (Start: 121 @14383 has 1 MA's), (132, 14395), (143, 14410), (211, 14557), (275, 14665), (334, 14740), (338, 14749), (357, 14785), (412, 14854), (437, 14896), (482, 14941), (488, 14950), (509, 15007), (557, 15112), (615, 15223),

Gene: Madeline_18 Start: 17238, Stop: 18065, Start Num: 130

Candidate Starts for Madeline_18:

(Start: 130 @17238 has 36 MA's), (159, 17292), (171, 17319), (236, 17433), (239, 17439), (246, 17454), (336, 17577), (360, 17619), (365, 17628), (386, 17649), (451, 17733), (495, 17808), (579, 17952), (597, 17985),

Gene: Mahdia_17 Start: 13987, Stop: 14814, Start Num: 142

Candidate Starts for Mahdia_17:

(Start: 142 @13987 has 13 MA's), (162, 14032), (174, 14056), (207, 14119), (273, 14236), (321, 14290), (373, 14383), (377, 14395), (440, 14464), (457, 14497), (495, 14572), (528, 14620), (535, 14635), (543, 14647), (555, 14671), (557, 14674), (568, 14692), (569, 14695), (617, 14782), (620, 14797),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 72

Candidate Starts for MajorMajor_26:

(Start: 72 @18067 has 238 MA's), (104, 18121), (118, 18142), (140, 18160), (174, 18235), (301, 18442), (331, 18481), (334, 18484), (357, 18529), (461, 18712), (479, 18745), (517, 18847), (563, 18934), (612, 19024),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 102

Candidate Starts for Malachai_19:

(Start: 98 @16265 has 6 MA's), (Start: 102 @16271 has 26 MA's), (188, 16427), (236, 16508), (292, 16607), (366, 16715), (437, 16799), (490, 16871), (564, 17000), (592, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 41

Candidate Starts for MalagasyRose_23:

(Start: 41 @15476 has 5 MA's), (52, 15518), (Start: 60 @15542 has 10 MA's), (88, 15581), (Start: 121 @15650 has 1 MA's), (141, 15674), (144, 15680), (161, 15719), (187, 15776), (199, 15803), (201, 15809), (220, 15830), (222, 15833), (254, 15881), (263, 15899), (274, 15923), (276, 15926), (323, 15989), (334, 16001), (338, 16010), (342, 16016), (355, 16043), (357, 16046), (387, 16091), (422, 16133), (465, 16187), (475, 16205), (511, 16307), (521, 16328), (529, 16352), (585, 16454), (596, 16472), (601, 16487), (616, 16523),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 72

Candidate Starts for Malec_28:

(Start: 72 @19460 has 238 MA's), (118, 19535), (140, 19553), (155, 19589), (174, 19628), (258, 19769), (301, 19835), (331, 19874), (334, 19877), (461, 20111), (527, 20267), (563, 20333), (578, 20357),

Gene: Malibo_19 Start: 15676, Stop: 16518, Start Num: 142

Candidate Starts for Malibo_19:

(Start: 142 @15676 has 13 MA's), (174, 15745), (185, 15766), (205, 15802), (225, 15829), (232, 15841), (254, 15886), (273, 15925), (319, 15979), (349, 16024), (361, 16048), (435, 16153), (445, 16177), (460, 16207), (463, 16213), (490, 16255), (498, 16282), (503, 16288), (568, 16396), (590,

16438), (594, 16444), (600, 16456), (619, 16498),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Maliketh_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 21

Candidate Starts for Malthus_24:

(Start: 21 @17413 has 217 MA's), (27, 17431), (Start: 40 @17503 has 2 MA's), (48, 17533), (Start: 100 @17623 has 15 MA's), (Start: 119 @17665 has 3 MA's), (140, 17689), (187, 17794), (328, 18016), (334, 18022), (436, 18172), (437, 18175), (465, 18193), (482, 18223), (500, 18265), (501, 18268), (521, 18319), (596, 18460), (601, 18475), (617, 18514), (622, 18532),

Gene: Maminiaina_28 Start: 20271, Stop: 21293, Start Num: 72

Candidate Starts for Maminiaina_28:

(Start: 72 @20271 has 238 MA's), (87, 20289), (118, 20346), (140, 20364), (155, 20400), (258, 20580), (274, 20616), (301, 20646), (334, 20688), (421, 20847), (470, 20934), (480, 20961), (563, 21150), (578, 21174),

Gene: Manasvini_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Manasvini_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 23

Candidate Starts for Marcoliusprime_18:

(Start: 23 @13889 has 10 MA's), (27, 13898), (48, 14000), (Start: 100 @14090 has 15 MA's), (Start: 119 @14132 has 3 MA's), (Start: 121 @14135 has 1 MA's), (141, 14159), (186, 14258), (220, 14321), (244, 14360), (274, 14414), (323, 14480), (334, 14492), (360, 14543), (372, 14567), (437, 14645), (465, 14663), (482, 14693), (488, 14702), (500, 14735), (501, 14738), (548, 14852), (596, 14930), (601, 14945), (617, 14984), (622, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 84

Candidate Starts for Mareelih_98:

(Start: 84 @58510 has 5 MA's), (93, 58525), (Start: 96 @58531 has 9 MA's), (Start: 99 @58537 has 9 MA's), (161, 58654), (162, 58657), (186, 58708), (201, 58744), (272, 58879), (296, 58915), (318, 58945), (484, 59197), (501, 59242), (513, 59272), (515, 59278), (528, 59305), (548, 59344), (587, 59413),

Gene: Maridalia_17 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Maridalia_17:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 137

Candidate Starts for Marietta_42:

(Start: 137 @26965 has 8 MA's), (176, 27046), (196, 27091), (248, 27160), (324, 27286), (349, 27328), (390, 27412), (417, 27463), (447, 27496), (489, 27586), (528, 27694), (536, 27712), (563, 27754), (611, 27844), (613, 27850), (619, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 21

Candidate Starts for MarkPhew_22:

(Start: 21 @15151 has 217 MA's), (48, 15268), (Start: 54 @15286 has 2 MA's), (Start: 100 @15358 has 15 MA's), (108, 15379), (141, 15427), (187, 15529), (188, 15532), (244, 15628), (309, 15727), (323, 15748), (372, 15835), (390, 15853), (437, 15916), (500, 16006), (501, 16009), (536, 16099), (601, 16216), (613, 16243), (617, 16255), (622, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Marmie_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 21

Candidate Starts for Marshawn_23:

(17, 15754), (Start: 21 @15766 has 217 MA's), (48, 15886), (Start: 100 @15976 has 15 MA's), (141, 16045), (244, 16246), (274, 16300), (323, 16366), (334, 16378), (360, 16429), (469, 16558), (482, 16582), (500, 16624), (501, 16627), (502, 16630), (521, 16678), (536, 16717), (613, 16861), (617, 16873), (622, 16891),

Gene: Marteena_19 Start: 16661, Stop: 17569, Start Num: 138

Candidate Starts for Marteena_19:

(Start: 138 @16661 has 25 MA's), (165, 16718), (242, 16853), (251, 16868), (253, 16871), (278, 16922), (368, 17030), (392, 17078), (408, 17102), (420, 17120), (425, 17126), (445, 17162), (510, 17318), (528, 17345), (532, 17357), (540, 17372), (563, 17417), (573, 17435), (579, 17444), (597, 17480), (598, 17483), (613, 17519), (615, 17525), (617, 17531),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 72

Candidate Starts for Marvin_47:

(Start: 72 @26438 has 238 MA's), (Start: 152 @26570 has 1 MA's), (165, 26594), (168, 26603), (172, 26609), (177, 26618), (188, 26642), (192, 26651), (198, 26663), (269, 26789), (323, 26870), (334, 26885), (337, 26891), (393, 26999), (475, 27125), (478, 27131), (542, 27281), (545, 27287), (552, 27299), (554, 27302), (602, 27389), (604, 27392), (606, 27395),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 79

Candidate Starts for MarysWell_22:

(Start: 79 @18617 has 49 MA's), (140, 18713), (Start: 154 @18746 has 2 MA's), (155, 18749), (174, 18788), (258, 18923), (293, 18983), (301, 18989), (317, 19007), (334, 19031), (355, 19073), (511, 19385), (563, 19487), (579, 19514), (612, 19577),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 126

Candidate Starts for Maselop_44:

(Start: 126 @30439 has 6 MA's), (Start: 154 @30475 has 2 MA's), (225, 30592), (248, 30631), (258, 30649), (282, 30700), (349, 30799), (384, 30874), (390, 30883), (435, 30958), (447, 30979), (505, 31117), (519, 31153), (534, 31192), (563, 31234), (599, 31297), (613, 31330),

Gene: Matteo_16 Start: 13846, Stop: 14694, Start Num: 120

Candidate Starts for Matteo_16:

(Start: 75 @13759 has 61 MA's), (Start: 120 @13846 has 43 MA's), (127, 13852), (167, 13930), (171, 13936), (196, 13987), (253, 14074), (270, 14107), (334, 14194), (336, 14197), (346, 14218), (386, 14275), (520, 14497), (523, 14503), (617, 14665),

Gene: Mbo4_16 Start: 14927, Stop: 15760, Start Num: 122

Candidate Starts for Mbo4_16:

(Start: 122 @14927 has 2 MA's), (173, 15017), (204, 15086), (219, 15104), (236, 15128), (246, 15149), (263, 15173), (334, 15278), (423, 15401), (462, 15464), (493, 15509), (499, 15530), (500, 15533), (501, 15536),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 72

Candidate Starts for McFly_30:

(Start: 72 @18966 has 238 MA's), (104, 19020), (140, 19059), (188, 19164), (274, 19311), (301, 19341), (331, 19380), (334, 19383), (357, 19428), (385, 19488), (495, 19686), (563, 19836), (568, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 68

Candidate Starts for McKinley_36:

(Start: 68 @30814 has 45 MA's), (169, 31000), (176, 31012), (188, 31039), (198, 31060), (239, 31120), (284, 31207), (286, 31210), (316, 31246), (340, 31279), (348, 31294), (353, 31306), (373, 31336), (386, 31342), (434, 31402), (496, 31492), (536, 31582), (548, 31606), (554, 31618), (594, 31684), (611, 31723), (615, 31735),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 21

Candidate Starts for McMater_22:

(Start: 21 @15375 has 217 MA's), (48, 15495), (Start: 100 @15585 has 15 MA's), (141, 15654), (186, 15753), (187, 15756), (244, 15855), (274, 15909), (336, 15990), (373, 16065), (390, 16080), (469, 16167), (482, 16191), (500, 16233), (501, 16236), (521, 16287), (536, 16326), (585, 16410), (596, 16428), (601, 16443), (617, 16482), (622, 16500),

Gene: Mcklovin_19 Start: 19238, Stop: 20074, Start Num: 120

Candidate Starts for Mcklovin_19:

(Start: 120 @19238 has 43 MA's), (Start: 130 @19247 has 36 MA's), (Start: 154 @19289 has 2 MA's), (167, 19322), (176, 19337), (239, 19448), (242, 19454), (268, 19493), (305, 19547), (315, 19562), (336, 19586), (338, 19592), (360, 19628), (386, 19658), (402, 19667), (495, 19817), (533, 19907), (597, 19994),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 21

Candidate Starts for Mdavu_18:

(Start: 21 @15542 has 217 MA's), (48, 15665), (Start: 100 @15755 has 15 MA's), (141, 15824), (186, 15923), (187, 15926), (244, 16025), (336, 16160), (482, 16361), (500, 16403), (501, 16406), (536, 16496), (548, 16520), (601, 16613), (617, 16652), (622, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 21

Candidate Starts for MeaningOfLife_22:

(Start: 21 @15987 has 217 MA's), (48, 16104), (Start: 100 @16194 has 15 MA's), (108, 16215), (Start: 119 @16236 has 3 MA's), (141, 16263), (274, 16518), (336, 16599), (373, 16674), (390, 16689), (482, 16800), (488, 16809), (500, 16842), (536, 16935), (548, 16959), (601, 17052), (617, 17091), (622, 17109),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 21

Candidate Starts for Megsy_22:

(Start: 21 @15988 has 217 MA's), (48, 16105), (Start: 100 @16195 has 15 MA's), (108, 16216), (Start: 119 @16237 has 3 MA's), (141, 16264), (274, 16519), (336, 16600), (373, 16675), (390, 16690), (482, 16801), (500, 16843), (536, 16936), (541, 16948), (548, 16960), (601, 17053), (617, 17092), (622, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 70

Candidate Starts for MelBins_33:

(Start: 70 @28300 has 24 MA's), (149, 28423), (165, 28459), (192, 28519), (237, 28615), (303, 28726), (318, 28747), (377, 28849), (412, 28885), (482, 28993), (526, 29101), (528, 29107), (534, 29122), (541, 29137), (559, 29173), (580, 29206), (582, 29209), (616, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 98

Candidate Starts for Melba_18:

(Start: 98 @15787 has 6 MA's), (Start: 102 @15793 has 26 MA's), (188, 15949), (236, 16030), (292, 16129), (366, 16237), (437, 16321), (490, 16393), (564, 16522), (581, 16549), (592, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 102

Candidate Starts for Mellie_17:

(Start: 98 @15548 has 6 MA's), (Start: 102 @15554 has 26 MA's), (188, 15710), (236, 15791), (292, 15890), (366, 15998), (437, 16082), (488, 16148), (511, 16193), (564, 16283), (592, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 62

Candidate Starts for Mendokysei_17:

(Start: 62 @15828 has 7 MA's), (85, 15855), (Start: 94 @15873 has 2 MA's), (196, 16053), (241, 16128), (288, 16221), (331, 16278), (337, 16287), (378, 16371), (487, 16548), (491, 16563), (503, 16596), (524, 16647), (543, 16689), (566, 16728), (571, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 129

Candidate Starts for MerCougar_41:

(Start: 129 @29816 has 24 MA's), (176, 29903), (192, 29939), (225, 29978), (444, 30347), (505, 30491), (563, 30608), (613, 30704), (615, 30710), (619, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 21

Candidate Starts for Mercurio_18:

(Start: 21 @15481 has 217 MA's), (Start: 54 @15628 has 2 MA's), (Start: 80 @15673 has 36 MA's), (88, 15679), (140, 15769), (175, 15847), (176, 15850), (186, 15871), (187, 15874), (211, 15925), (215, 15931), (244, 15976), (340, 16120), (355, 16150), (372, 16183), (450, 16285), (469, 16321), (482, 16345), (502, 16393), (540, 16489), (585, 16564), (601, 16597), (615, 16630), (617, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 102

Candidate Starts for Meyran_20:

(Start: 102 @18053 has 26 MA's), (104, 18059), (Start: 121 @18095 has 1 MA's), (123, 18098), (217, 18266), (226, 18281), (236, 18293), (289, 18389), (292, 18392), (298, 18401), (310, 18413), (321, 18428), (418, 18557), (498, 18677), (511, 18698), (522, 18719), (532, 18749), (594, 18839),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 79

Candidate Starts for Micasa_23:

(Start: 79 @18623 has 49 MA's), (140, 18719), (Start: 154 @18752 has 2 MA's), (155, 18755), (174, 18794), (258, 18929), (293, 18989), (301, 18995), (317, 19013), (334, 19037), (355, 19079), (511, 19391), (563, 19493), (612, 19583),

Gene: MichaelScott_19 Start: 16864, Stop: 17706, Start Num: 120

Candidate Starts for MichaelScott_19:

(Start: 120 @16864 has 43 MA's), (Start: 130 @16873 has 36 MA's), (Start: 154 @16915 has 2 MA's), (167, 16948), (176, 16963), (199, 17011), (228, 17059), (239, 17074), (242, 17080), (268, 17119), (305, 17173), (336, 17212), (338, 17218), (360, 17254), (386, 17284), (402, 17293), (495, 17449), (597, 17626),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 72

Candidate Starts for MiculUcigas_27:

(Start: 72 @19200 has 238 MA's), (118, 19275), (140, 19293), (155, 19329), (174, 19368), (274, 19545), (301, 19575), (331, 19614), (334, 19617), (563, 20073), (578, 20097),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 79

Candidate Starts for Midas2_23:

(Start: 79 @18617 has 49 MA's), (140, 18713), (Start: 154 @18746 has 2 MA's), (155, 18749), (174, 18788), (258, 18923), (293, 18983), (301, 18989), (317, 19007), (334, 19031), (355, 19073), (511, 19385), (563, 19487), (579, 19514), (612, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 72

Candidate Starts for Miko_30:

(Start: 72 @20800 has 238 MA's), (140, 20893), (155, 20929), (174, 20968), (301, 21175), (331, 21214), (334, 21217), (357, 21262), (461, 21445), (479, 21478), (517, 21580), (555, 21655), (563, 21667), (612, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 79

Candidate Starts for Milcery_23:

(Start: 79 @18653 has 49 MA's), (140, 18749), (Start: 154 @18782 has 2 MA's), (155, 18785), (174, 18824), (258, 18959), (293, 19019), (301, 19025), (317, 19043), (334, 19067), (355, 19109), (511, 19421), (563, 19523), (612, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Miley16_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 23

Candidate Starts for Milly_18:

(Start: 23 @13889 has 10 MA's), (27, 13898), (48, 14000), (Start: 100 @14090 has 15 MA's), (Start: 119 @14132 has 3 MA's), (Start: 121 @14135 has 1 MA's), (141, 14159), (186, 14258), (220, 14321), (244, 14360), (274, 14414), (323, 14480), (334, 14492), (360, 14543), (372, 14567), (437, 14645), (465, 14663), (482, 14693), (488, 14702), (500, 14735), (501, 14738), (548, 14852), (596, 14930), (601, 14945), (617, 14984), (622, 15002),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 76

Candidate Starts for MinecraftSteve_30:

(Start: 76 @18241 has 20 MA's), (Start: 152 @18355 has 1 MA's), (Start: 154 @18361 has 2 MA's), (155, 18364), (284, 18598), (461, 18865), (493, 18919), (563, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 75

Candidate Starts for MiniLon_18:

(Start: 75 @16308 has 61 MA's), (90, 16332), (Start: 110 @16377 has 1 MA's), (118, 16392), (141, 16413), (188, 16509), (274, 16644), (280, 16653), (331, 16713), (334, 16716), (337, 16722), (375, 16794), (393, 16827), (401, 16839), (448, 16902), (475, 16953), (485, 16977), (503, 17028), (519, 17070), (593, 17181), (595, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 75

Candidate Starts for MiniMac_18:

(Start: 75 @16309 has 61 MA's), (90, 16333), (Start: 110 @16378 has 1 MA's), (118, 16393), (141, 16414), (188, 16510), (274, 16645), (280, 16654), (331, 16714), (334, 16717), (337, 16723), (375, 16795), (393, 16828), (401, 16840), (448, 16903), (475, 16954), (485, 16978), (503, 17029), (519, 17071), (593, 17182), (595, 17185),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 102

Candidate Starts for MintFen_18:

(Start: 98 @15787 has 6 MA's), (Start: 102 @15793 has 26 MA's), (188, 15949), (236, 16030), (292, 16129), (366, 16237), (437, 16321), (490, 16393), (564, 16522), (581, 16549), (592, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 26

Candidate Starts for Miryou_20:

(Start: 26 @16308 has 22 MA's), (Start: 119 @16551 has 3 MA's), (141, 16578), (186, 16677), (244, 16779), (274, 16833), (298, 16863), (323, 16899), (325, 16902), (334, 16911), (372, 16986), (373, 16989), (412, 17025), (437, 17067), (465, 17085), (469, 17091), (482, 17115), (484, 17118), (488, 17124), (500, 17157), (601, 17367), (617, 17406), (622, 17424),

Gene: Miskis_49 Start: 28475, Stop: 29356, Start Num: 99

Candidate Starts for Miskis_49:

(Start: 96 @28469 has 9 MA's), (Start: 99 @28475 has 9 MA's), (Start: 130 @28523 has 36 MA's), (150, 28550), (185, 28622), (220, 28688), (239, 28718), (302, 28826), (365, 28919), (388, 28943), (407, 28958), (473, 29054), (499, 29102), (599, 29282), (614, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 21

Candidate Starts for MissDaisy_23:

(Start: 21 @17255 has 217 MA's), (27, 17273), (Start: 40 @17345 has 2 MA's), (48, 17375), (Start: 100 @17465 has 15 MA's), (104, 17474), (Start: 119 @17507 has 3 MA's), (140, 17531), (187, 17636), (274, 17789), (328, 17858), (334, 17864), (437, 18017), (465, 18035), (482, 18065), (500, 18107), (501, 18110), (596, 18302), (601, 18317), (617, 18356), (622, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 100

Candidate Starts for MissRona_20:

(Start: 100 @16105 has 15 MA's), (Start: 110 @16120 has 1 MA's), (169, 16222), (188, 16261), (236, 16342), (281, 16426), (292, 16441), (366, 16549), (437, 16633), (488, 16699), (490, 16705), (511, 16744), (564, 16834), (592, 16876),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 72

Candidate Starts for MissWhite_27:

(Start: 72 @18271 has 238 MA's), (140, 18364), (155, 18400), (174, 18439), (274, 18616), (301, 18646), (334, 18688), (357, 18733), (408, 18823), (461, 18916), (563, 19138),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 21

Candidate Starts for Mitti_23:

(Start: 21 @17413 has 217 MA's), (27, 17431), (Start: 40 @17503 has 2 MA's), (48, 17533), (Start: 100 @17623 has 15 MA's), (Start: 119 @17665 has 3 MA's), (140, 17689), (187, 17794), (274, 17947), (328, 18016), (334, 18022), (437, 18175), (465, 18193), (482, 18223), (500, 18265), (501, 18268), (596, 18460), (601, 18475), (617, 18514), (622, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for MkaliMitinis3_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Mocha12_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Mocha12_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 131

Candidate Starts for ModicumRichard_18:

(12, 15190), (Start: 131 @15643 has 11 MA's), (149, 15670), (164, 15703), (230, 15805), (244, 15832), (256, 15856), (331, 15958), (350, 15991), (365, 16021), (381, 16057), (384, 16063), (390, 16072), (442, 16150), (455, 16180), (460, 16186), (469, 16201), (511, 16306), (544, 16372), (600, 16471), (613, 16498), (615, 16504), (626, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 96

Candidate Starts for Mollymur_30:

(55, 27171), (Start: 96 @27246 has 9 MA's), (Start: 110 @27267 has 1 MA's), (160, 27345), (185, 27393), (188, 27402), (239, 27489), (321, 27618), (365, 27690), (368, 27696), (473, 27825), (536, 27948), (546, 27969), (564, 27996),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 68

Candidate Starts for MoontowerMania_33:

(Start: 68 @29628 has 45 MA's), (169, 29814), (176, 29826), (178, 29829), (188, 29853), (198, 29874), (239, 29934), (284, 30021), (286, 30024), (316, 30060), (340, 30093), (348, 30108), (353, 30120), (373, 30150), (386, 30156), (434, 30216), (496, 30306), (536, 30396), (548, 30420), (554, 30432), (594, 30498), (611, 30537), (615, 30549), (624, 30579),

Gene: Moosehead_16 Start: 13815, Stop: 14663, Start Num: 120

Candidate Starts for Moosehead_16:

(Start: 120 @13815 has 43 MA's), (127, 13821), (216, 13992), (228, 14010), (253, 14043), (334, 14163), (336, 14166), (340, 14175), (342, 14178), (346, 14187), (391, 14250), (451, 14322), (523, 14472), (617, 14634),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 75

Candidate Starts for Moostard_18:

(Start: 75 @16493 has 61 MA's), (90, 16517), (Start: 110 @16562 has 1 MA's), (118, 16577), (141, 16598), (188, 16694), (274, 16829), (280, 16838), (331, 16898), (334, 16901), (337, 16907), (375, 16979), (393, 17012), (448, 17087), (476, 17141), (485, 17162), (503, 17213), (519, 17255), (593, 17366), (595, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 131

Candidate Starts for Morgana_18:

(12, 15180), (Start: 131 @15633 has 11 MA's), (149, 15660), (164, 15693), (230, 15795), (244, 15822), (331, 15948), (350, 15981), (365, 16011), (381, 16047), (384, 16053), (390, 16062), (442, 16140), (460, 16176), (469, 16191), (544, 16365), (600, 16464), (613, 16491), (615, 16497),

Gene: Morkie_17 Start: 14248, Stop: 15156, Start Num: 138

Candidate Starts for Morkie_17:

(Start: 138 @14248 has 25 MA's), (162, 14299), (229, 14419), (245, 14443), (253, 14455), (254, 14458), (291, 14521), (383, 14650), (403, 14677), (420, 14704), (425, 14710), (427, 14713), (474,

14800), (510, 14905), (528, 14932), (531, 14941), (532, 14944), (540, 14959), (563, 15004), (568, 15013),

Gene: Morrissey_18 Start: 15201, Stop: 16028, Start Num: 142

Candidate Starts for Morrissey_18:

(Start: 142 @15201 has 13 MA's), (162, 15246), (174, 15270), (205, 15327), (207, 15333), (225, 15354), (244, 15390), (251, 15405), (318, 15501), (321, 15504), (373, 15597), (377, 15609), (440, 15678), (495, 15786), (528, 15834), (535, 15849), (543, 15861), (555, 15885), (569, 15909), (592, 15942), (597, 15951), (615, 15990), (617, 15996),

Gene: MortyNRick_18 Start: 15370, Stop: 16296, Start Num: 138

Candidate Starts for MortyNRick_18:

(Start: 136 @15367 has 1 MA's), (Start: 138 @15370 has 25 MA's), (165, 15427), (222, 15529), (229, 15541), (245, 15565), (251, 15574), (253, 15577), (254, 15580), (291, 15643), (332, 15676), (347, 15697), (354, 15712), (383, 15772), (392, 15784), (408, 15808), (427, 15835), (429, 15838), (445, 15868), (481, 15946), (510, 16027), (527, 16069), (528, 16072), (531, 16081), (532, 16084), (539, 16096), (540, 16099), (546, 16111), (552, 16123), (563, 16144), (568, 16153), (573, 16162), (597, 16207), (598, 16210), (600, 16216), (615, 16252), (617, 16258),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 72

Candidate Starts for MosMoris_47:

(Start: 72 @25618 has 238 MA's), (Start: 152 @25750 has 1 MA's), (165, 25774), (168, 25783), (172, 25789), (177, 25798), (188, 25822), (192, 25831), (198, 25843), (269, 25969), (323, 26050), (334, 26065), (337, 26071), (393, 26179), (475, 26305), (478, 26311), (505, 26386), (542, 26461), (545, 26467), (552, 26479), (554, 26482), (602, 26569), (604, 26572), (606, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Mowgli_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 65

Candidate Starts for MrMagoo_31:

(Start: 65 @22001 has 19 MA's), (74, 22010), (104, 22064), (Start: 121 @22100 has 1 MA's), (Start: 129 @22103 has 24 MA's), (146, 22121), (Start: 152 @22136 has 1 MA's), (187, 22205), (188, 22208), (331, 22433), (334, 22436), (350, 22466), (396, 22553), (475, 22673), (497, 22727), (501, 22742), (513, 22775), (591, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for MsGreen_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (476, 17138), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 24

Candidate Starts for Muddy_20:

(Start: 24 @15099 has 4 MA's), (30, 15147), (Start: 72 @15255 has 238 MA's), (Start: 80 @15264 has 36 MA's), (Start: 121 @15333 has 1 MA's), (143, 15360), (211, 15507), (275, 15615), (334, 15690), (338, 15699), (357, 15735), (412, 15804), (437, 15846), (482, 15891), (488, 15900), (509, 15957),

(557, 16062), (615, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 23

Candidate Starts for Mufasa_18:

(Start: 23 @13909 has 10 MA's), (27, 13918), (48, 14020), (Start: 100 @14110 has 15 MA's), (Start: 119 @14152 has 3 MA's), (141, 14179), (184, 14272), (186, 14278), (220, 14341), (244, 14380), (274, 14434), (334, 14512), (360, 14563), (372, 14587), (437, 14665), (465, 14683), (482, 14713), (500, 14755), (501, 14758), (548, 14872), (596, 14950), (601, 14965), (617, 15004), (622, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 47

Candidate Starts for Mulch_21:

(Start: 47 @16293 has 17 MA's), (Start: 65 @16338 has 19 MA's), (92, 16368), (151, 16476), (221, 16626), (249, 16674), (297, 16758), (304, 16767), (337, 16809), (443, 16986), (467, 17019), (489, 17055), (583, 17250), (616, 17322), (617, 17325),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 72

Candidate Starts for Mulciber_27:

(Start: 72 @19730 has 238 MA's), (104, 19787), (Start: 152 @19862 has 1 MA's), (224, 19991), (258, 20051), (293, 20111), (301, 20117), (334, 20159), (357, 20204), (360, 20210), (408, 20294), (431, 20327), (563, 20609), (568, 20618), (578, 20633), (612, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 72

Candidate Starts for Munch_27:

(Start: 72 @19736 has 238 MA's), (104, 19793), (Start: 152 @19868 has 1 MA's), (224, 19997), (258, 20057), (293, 20117), (301, 20123), (334, 20165), (357, 20210), (360, 20216), (408, 20300), (431, 20333), (563, 20615), (568, 20624), (578, 20639), (612, 20705),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 100

Candidate Starts for Murp_18:

(Start: 100 @15861 has 15 MA's), (188, 16017), (236, 16098), (292, 16197), (366, 16305), (437, 16389), (488, 16455), (490, 16461), (564, 16590), (592, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 21

Candidate Starts for Murucutumbu_22:

(Start: 21 @15969 has 217 MA's), (48, 16086), (108, 16197), (Start: 119 @16218 has 3 MA's), (141, 16245), (187, 16347), (274, 16500), (336, 16581), (390, 16671), (482, 16782), (500, 16824), (536, 16917), (548, 16941), (601, 17034), (617, 17073), (622, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 77

Candidate Starts for Mutzi_32:

(Start: 77 @25361 has 29 MA's), (135, 25457), (166, 25526), (169, 25532), (176, 25544), (178, 25547), (183, 25556), (188, 25571), (286, 25745), (314, 25778), (316, 25781), (434, 25928), (518, 26063), (532, 26099), (554, 26141), (598, 26216), (607, 26237), (624, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 21

Candidate Starts for Mynx_22:

(Start: 21 @16034 has 217 MA's), (48, 16151), (Start: 100 @16241 has 15 MA's), (108, 16262), (Start: 119 @16283 has 3 MA's), (141, 16310), (274, 16565), (336, 16646), (373, 16721), (390, 16736), (482, 16847), (500, 16889), (536, 16982), (548, 17006), (601, 17099), (617, 17138), (622, 17156),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for Myxus_28:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 72

Candidate Starts for NaSiaTalie_27:

(Start: 72 @19198 has 238 MA's), (118, 19273), (140, 19291), (155, 19327), (174, 19366), (274, 19543), (301, 19573), (331, 19612), (334, 19615), (563, 20071), (578, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 79

Candidate Starts for Naca_23:

(Start: 79 @18502 has 49 MA's), (140, 18598), (Start: 154 @18631 has 2 MA's), (155, 18634), (174, 18673), (258, 18808), (272, 18838), (293, 18868), (301, 18874), (317, 18892), (334, 18916), (355, 18958), (563, 19372), (612, 19462),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 47

Candidate Starts for Nadeem_21:

(Start: 47 @16293 has 17 MA's), (Start: 65 @16338 has 19 MA's), (92, 16368), (151, 16476), (221, 16626), (249, 16674), (297, 16758), (304, 16767), (337, 16809), (443, 16986), (467, 17019), (489, 17055), (583, 17250), (616, 17322), (617, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 137

Candidate Starts for NadineRae_40:

(Start: 137 @26218 has 8 MA's), (176, 26299), (196, 26344), (248, 26413), (324, 26539), (349, 26581), (390, 26665), (417, 26716), (447, 26749), (528, 26947), (536, 26965), (563, 27007), (613, 27103), (619, 27124),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Naiad_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 62

Candidate Starts for Nairb_18:

(Start: 62 @16018 has 7 MA's), (85, 16045), (Start: 94 @16063 has 2 MA's), (195, 16240), (196, 16243), (241, 16318), (274, 16384), (288, 16411), (331, 16468), (337, 16477), (476, 16714), (487, 16738), (524, 16837), (531, 16858), (543, 16879), (566, 16918), (571, 16927),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for Naji_30:

(Start: 72 @19042 has 238 MA's), (104, 19096), (118, 19117), (140, 19135), (235, 19306), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Nancinator_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 47

Candidate Starts for NancyRae_21:

(Start: 47 @16299 has 17 MA's), (Start: 65 @16344 has 19 MA's), (92, 16374), (151, 16482), (221, 16632), (249, 16680), (297, 16764), (304, 16773), (337, 16815), (443, 16992), (467, 17025), (489, 17061), (583, 17256), (616, 17328), (617, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 65

Candidate Starts for Nanosmite_31:

(Start: 65 @21873 has 19 MA's), (Start: 129 @21975 has 24 MA's), (146, 21993), (Start: 152 @22008 has 1 MA's), (187, 22077), (192, 22089), (247, 22167), (272, 22215), (331, 22305), (334, 22308), (371, 22377), (393, 22419), (457, 22512), (468, 22530), (483, 22566), (497, 22599), (513, 22647), (565, 22722), (571, 22734),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 129

Candidate Starts for NatB6_40:

(Start: 129 @28930 has 24 MA's), (176, 29017), (225, 29092), (261, 29158), (282, 29200), (324, 29257), (447, 29470), (460, 29497), (505, 29608), (563, 29740), (613, 29836),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 70

Candidate Starts for Natkenzie_34:

(Start: 70 @29777 has 24 MA's), (116, 29852), (123, 29864), (149, 29900), (165, 29936), (209, 30038), (237, 30092), (274, 30164), (321, 30227), (326, 30236), (363, 30293), (377, 30326), (411, 30359), (412, 30362), (455, 30419), (501, 30515), (514, 30548), (517, 30557), (528, 30578), (541, 30605), (552, 30626), (556, 30635), (559, 30641), (580, 30674), (582, 30677), (609, 30731), (616, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Natosaleda_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 79

Candidate Starts for NearlyHeadless_23:

(Start: 79 @17651 has 49 MA's), (Start: 152 @17774 has 1 MA's), (Start: 154 @17780 has 2 MA's), (188, 17852), (258, 17957), (269, 17984), (334, 18074), (445, 18275), (460, 18305), (461, 18308), (555, 18518), (579, 18557), (603, 18605), (612, 18620),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 31

Candidate Starts for Nebkiss_14:

(Start: 31 @13326 has 2 MA's), (32, 13329), (66, 13422), (Start: 72 @13428 has 238 MA's), (104, 13473), (118, 13503), (140, 13530), (141, 13533), (144, 13539), (151, 13554), (Start: 152 @13557 has 1 MA's), (184, 13626), (186, 13632), (220, 13710), (258, 13767), (274, 13803), (323, 13869), (334, 13881), (383, 13983), (384, 13986), (400, 14013), (437, 14076), (500, 14157), (502, 14163), (524, 14220), (536, 14250), (543, 14265), (557, 14289), (561, 14295), (596, 14352), (622, 14424),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 76

Candidate Starts for Nebulosus_29:

(Start: 76 @18119 has 20 MA's), (Start: 152 @18233 has 1 MA's), (Start: 154 @18239 has 2 MA's), (155, 18242), (284, 18476), (461, 18743), (493, 18797), (563, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 75

Candidate Starts for Nedarya_28:

(Start: 75 @18765 has 61 MA's), (Start: 154 @18885 has 2 MA's), (187, 18954), (188, 18957), (224, 19008), (284, 19122), (472, 19401), (563, 19599), (568, 19608), (612, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 72

Candidate Starts for Neeharika16_30:

(Start: 72 @18959 has 238 MA's), (104, 19013), (140, 19052), (188, 19157), (274, 19304), (301, 19334), (331, 19373), (334, 19376), (357, 19421), (385, 19481), (495, 19679), (563, 19829), (568, 19838),

Gene: Neobush_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Neobush_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 33

Candidate Starts for Nergal_21:

(Start: 33 @15940 has 1 MA's), (38, 15961), (104, 16105), (118, 16135), (132, 16153), (141, 16165), (161, 16210), (187, 16267), (220, 16312), (323, 16471), (334, 16483), (342, 16498), (355, 16525), (387, 16573), (422, 16615), (441, 16645), (469, 16678), (475, 16690), (500, 16747), (513, 16783), (529, 16825), (548, 16864), (579, 16912), (585, 16927), (596, 16945), (615, 16993), (616, 16996),

Gene: Nettuno_16 Start: 13849, Stop: 14697, Start Num: 120

Candidate Starts for Nettuno_16:

(Start: 75 @13762 has 61 MA's), (Start: 120 @13849 has 43 MA's), (127, 13855), (171, 13939), (196, 13990), (228, 14044), (239, 14059), (253, 14077), (270, 14110), (315, 14176), (334, 14197), (336, 14200), (346, 14221), (386, 14278), (520, 14500), (523, 14506), (615, 14662), (617, 14668),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Netyap_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 72

Candidate Starts for Neville_27:

(Start: 60 @22377 has 10 MA's), (Start: 72 @22392 has 238 MA's), (104, 22449), (118, 22479), (170, 22557), (188, 22593), (240, 22668), (256, 22701), (274, 22737), (329, 22818), (331, 22821), (346, 22848), (350, 22854), (366, 22881), (396, 22941), (401, 22947), (475, 23070), (476, 23073), (485, 23094), (497, 23124), (499, 23133), (513, 23172), (514, 23175), (534, 23217), (551, 23232), (554, 23238), (567, 23256), (577, 23271),

Gene: Newrala_30 Start: 18959, Stop: 19972, Start Num: 72

Candidate Starts for Newrala_30:

(Start: 72 @18959 has 238 MA's), (104, 19013), (140, 19052), (188, 19157), (274, 19304), (301, 19334), (331, 19373), (334, 19376), (357, 19421), (385, 19481), (495, 19679), (563, 19829), (568, 19838),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 21

Candidate Starts for Nibb_21:

(Start: 21 @15295 has 217 MA's), (48, 15412), (Start: 54 @15430 has 2 MA's), (Start: 100 @15502 has 15 MA's), (108, 15523), (141, 15571), (244, 15772), (309, 15871), (323, 15892), (372, 15979), (437, 16060), (500, 16150), (501, 16153), (536, 16243), (601, 16360), (613, 16387), (617, 16399), (622, 16417),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 75

Candidate Starts for Nicholas_18:

(Start: 75 @16490 has 61 MA's), (90, 16514), (Start: 110 @16559 has 1 MA's), (118, 16574), (141, 16595), (188, 16691), (274, 16826), (280, 16835), (331, 16895), (334, 16898), (337, 16904), (375, 16976), (393, 17009), (401, 17021), (448, 17084), (476, 17138), (485, 17159), (503, 17210), (519, 17252), (593, 17363), (595, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 75

Candidate Starts for Nicholasp3_17:

(Start: 75 @16079 has 61 MA's), (90, 16103), (104, 16133), (181, 16259), (227, 16331), (329, 16484), (331, 16487), (334, 16490), (350, 16520), (378, 16577), (393, 16601), (396, 16607), (448, 16676), (457, 16694), (469, 16715), (492, 16769), (497, 16781), (519, 16844), (593, 16973), (600, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 72

Candidate Starts for NicoleTera_31:

(Start: 72 @21002 has 238 MA's), (87, 21020), (140, 21095), (155, 21131), (174, 21170), (301, 21377), (331, 21416), (334, 21419), (357, 21464), (384, 21524), (479, 21683), (563, 21872),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for Nikao_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 21

Candidate Starts for Niklas_22:

(Start: 21 @15378 has 217 MA's), (48, 15498), (Start: 100 @15588 has 15 MA's), (141, 15657), (186, 15756), (187, 15759), (244, 15858), (274, 15912), (336, 15993), (373, 16068), (390, 16083), (469, 16170), (482, 16194), (500, 16236), (501, 16239), (521, 16290), (536, 16329), (585, 16413), (596, 16431), (601, 16446), (617, 16485), (622, 16503),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 24

Candidate Starts for NoShow_17:

(Start: 24 @14354 has 4 MA's), (30, 14402), (59, 14507), (78, 14531), (140, 14624), (199, 14753), (275, 14888), (323, 14954), (334, 14966), (338, 14975), (372, 15041), (422, 15101), (425, 15104), (437, 15125), (468, 15146), (482, 15170), (488, 15179), (501, 15212), (508, 15233), (579, 15371), (602, 15422), (615, 15452), (617, 15458),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 68

Candidate Starts for Nordenberg_28:

(Start: 68 @28984 has 45 MA's), (169, 29170), (176, 29182), (188, 29209), (198, 29230), (239, 29290), (286, 29380), (316, 29416), (340, 29449), (348, 29464), (353, 29476), (373, 29506), (386, 29512), (434, 29572), (496, 29662), (536, 29752), (548, 29776), (554, 29788), (594, 29854), (611, 29893), (615, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 96

Candidate Starts for Norvs_48:

(Start: 96 @28708 has 9 MA's), (Start: 99 @28714 has 9 MA's), (Start: 130 @28762 has 36 MA's), (150, 28789), (185, 28861), (220, 28927), (239, 28957), (302, 29065), (365, 29158), (388, 29182), (407, 29197), (473, 29293), (499, 29341), (599, 29521), (614, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 131

Candidate Starts for NosilaM_43:

(Start: 131 @29537 has 11 MA's), (176, 29618), (192, 29654), (282, 29801), (417, 30035), (444, 30062), (505, 30206), (511, 30224), (563, 30323), (613, 30419), (615, 30425), (619, 30440),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 72

Candidate Starts for NothingSpecial_29:

(Start: 72 @21202 has 238 MA's), (140, 21295), (155, 21331), (174, 21370), (301, 21577), (331, 21616), (334, 21619), (357, 21664), (517, 21982), (555, 22057), (563, 22069), (578, 22093), (612, 22159),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 129

Candidate Starts for NovumRegina_40:

(Start: 129 @29260 has 24 MA's), (176, 29347), (225, 29422), (261, 29488), (282, 29530), (324, 29587), (447, 29800), (460, 29827), (505, 29938), (563, 30070), (613, 30166),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 77

Candidate Starts for Nubi_30:

(Start: 77 @24922 has 29 MA's), (135, 25027), (166, 25096), (169, 25102), (183, 25126), (188, 25141), (434, 25501), (446, 25516), (458, 25534), (518, 25636), (536, 25678), (554, 25714), (607, 25810), (624, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for Nutello_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 100

Candidate Starts for Nyceirae_22:

(Start: 100 @17929 has 15 MA's), (Start: 110 @17938 has 1 MA's), (Start: 121 @17959 has 1 MA's), (123, 17962), (192, 18085), (226, 18145), (236, 18157), (289, 18253), (292, 18256), (321, 18292), (418, 18421), (498, 18541), (511, 18562), (532, 18613), (558, 18649), (594, 18703),

Gene: Nymphadora_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for Nymphadora_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 42

Candidate Starts for OBUpride_21:

(Start: 42 @16309 has 22 MA's), (45, 16318), (Start: 100 @16414 has 15 MA's), (104, 16423), (106, 16432), (141, 16483), (144, 16489), (188, 16585), (197, 16603), (234, 16672), (239, 16681), (249, 16702), (252, 16708), (255, 16714), (257, 16717), (297, 16789), (299, 16792), (394, 16948), (428, 16999), (439, 17017), (482, 17089), (493, 17107), (525, 17191), (536, 17218), (537, 17221), (557, 17257), (570, 17275), (596, 17317), (601, 17332), (602, 17335), (615, 17365), (617, 17371),

Gene: ODay_23 Start: 17611, Stop: 18537, Start Num: 138

Candidate Starts for ODay_23:

(Start: 136 @17608 has 1 MA's), (Start: 138 @17611 has 25 MA's), (165, 17668), (222, 17770), (229, 17782), (245, 17806), (251, 17815), (253, 17818), (254, 17821), (291, 17884), (332, 17917), (347, 17938), (354, 17953), (383, 18013), (392, 18025), (408, 18049), (427, 18076), (429, 18079), (445, 18109), (474, 18163), (481, 18187), (510, 18268), (527, 18310), (528, 18313), (531, 18322), (532, 18325), (539, 18337), (540, 18340), (546, 18352), (552, 18364), (563, 18385), (568, 18394), (573,

18403), (598, 18451), (615, 18493), (617, 18499),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 131

Candidate Starts for ObLaDi_18:

(Start: 131 @15622 has 11 MA's), (149, 15649), (164, 15682), (230, 15784), (244, 15811), (256, 15835), (350, 15970), (365, 16000), (381, 16036), (384, 16042), (390, 16051), (442, 16129), (455, 16159), (460, 16165), (469, 16180), (511, 16285), (544, 16351), (600, 16450), (613, 16477), (615, 16483), (626, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 102

Candidate Starts for Obliviate_17:

(Start: 98 @15577 has 6 MA's), (Start: 102 @15583 has 26 MA's), (188, 15739), (236, 15820), (292, 15919), (366, 16027), (437, 16111), (488, 16177), (511, 16222), (564, 16312), (592, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for OctaviousRex_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 72

Candidate Starts for Octobien14_27:

(Start: 72 @21830 has 238 MA's), (82, 21845), (170, 21995), (188, 22031), (256, 22139), (317, 22238), (329, 22256), (334, 22262), (346, 22286), (396, 22379), (474, 22505), (476, 22511), (485, 22532), (495, 22559), (514, 22613), (534, 22655), (566, 22691), (577, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 72

Candidate Starts for Odin_26:

(Start: 72 @17954 has 238 MA's), (118, 18029), (140, 18047), (155, 18083), (301, 18329), (331, 18368), (334, 18371), (357, 18416), (408, 18506), (479, 18632), (517, 18734), (563, 18821), (578, 18845), (612, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 75

Candidate Starts for OhShagHennessy_17:

(49, 15776), (50, 15779), (Start: 60 @15812 has 10 MA's), (Start: 75 @15830 has 61 MA's), (90, 15854), (104, 15884), (Start: 110 @15899 has 1 MA's), (141, 15932), (227, 16076), (272, 16157), (331, 16232), (334, 16235), (337, 16241), (361, 16286), (375, 16313), (393, 16346), (396, 16352), (426, 16385), (433, 16394), (448, 16421), (501, 16541), (519, 16589), (534, 16616), (567, 16655), (571, 16661), (593, 16700),

Gene: Ohgeesy_18 Start: 16563, Stop: 17390, Start Num: 130

Candidate Starts for Ohgeesy_18:

(Start: 130 @16563 has 36 MA's), (167, 16638), (236, 16758), (239, 16764), (279, 16830), (285, 16842), (334, 16899), (338, 16908), (360, 16944), (365, 16953), (386, 16974), (451, 17058), (495, 17133), (501, 17154), (579, 17277), (597, 17310),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 26

Candidate Starts for OkiRoe_20:

(Start: 26 @16324 has 22 MA's), (118, 16564), (Start: 119 @16567 has 3 MA's), (141, 16594), (186, 16693), (244, 16795), (274, 16849), (298, 16879), (323, 16915), (325, 16918), (334, 16927), (372, 17002), (373, 17005), (412, 17041), (437, 17083), (465, 17101), (469, 17107), (482, 17131), (484,

17134), (488, 17140), (500, 17173), (601, 17383), (617, 17422), (622, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Olga_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 21

Candidate Starts for OmniCritical_23:

(Start: 21 @17398 has 217 MA's), (27, 17416), (Start: 40 @17488 has 2 MA's), (48, 17518), (Start: 100 @17608 has 15 MA's), (Start: 119 @17650 has 3 MA's), (140, 17674), (187, 17779), (274, 17932), (328, 18001), (334, 18007), (437, 18160), (465, 18178), (482, 18208), (500, 18250), (501, 18253), (596, 18445), (601, 18460), (617, 18499), (622, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 26

Candidate Starts for Omnicron_20:

(Start: 26 @15090 has 22 MA's), (Start: 54 @15219 has 2 MA's), (Start: 80 @15264 has 36 MA's), (118, 15330), (Start: 119 @15333 has 3 MA's), (141, 15360), (159, 15402), (186, 15459), (244, 15561), (274, 15615), (298, 15645), (323, 15681), (334, 15693), (360, 15744), (372, 15768), (409, 15801), (437, 15849), (469, 15873), (482, 15897), (484, 15900), (500, 15939), (601, 16149), (617, 16188), (622, 16206),

Gene: OneDirection_16 Start: 13816, Stop: 14664, Start Num: 120

Candidate Starts for OneDirection_16:

(Start: 75 @13729 has 61 MA's), (Start: 120 @13816 has 43 MA's), (127, 13822), (171, 13906), (196, 13957), (228, 14011), (253, 14044), (270, 14077), (315, 14143), (334, 14164), (336, 14167), (346, 14188), (386, 14245), (520, 14467), (523, 14473), (615, 14629), (617, 14635),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 97

Candidate Starts for OneUp_41:

(25, 25920), (28, 25944), (29, 25953), (Start: 97 @26148 has 1 MA's), (Start: 130 @26196 has 36 MA's), (185, 26295), (191, 26310), (260, 26427), (336, 26538), (365, 26592), (388, 26616), (407, 26631), (471, 26724), (473, 26727), (486, 26742), (499, 26775), (592, 26940), (613, 26988), (614, 26991),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 72

Candidate Starts for Onglai_27:

(Start: 72 @18861 has 238 MA's), (87, 18879), (118, 18936), (140, 18954), (155, 18990), (258, 19170), (274, 19206), (301, 19236), (334, 19278), (421, 19437), (495, 19581), (517, 19644), (555, 19719), (563, 19731), (578, 19755),

Gene: Oofda_30 Start: 18093, Stop: 19070, Start Num: 76

Candidate Starts for Oofda_30:

(Start: 76 @18093 has 20 MA's), (Start: 152 @18207 has 1 MA's), (Start: 154 @18213 has 2 MA's), (155, 18216), (284, 18450), (461, 18717), (493, 18771), (563, 18927),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 72

Candidate Starts for Orange_27:

(Start: 72 @19736 has 238 MA's), (104, 19793), (Start: 152 @19868 has 1 MA's), (224, 19997), (258, 20057), (293, 20117), (301, 20123), (334, 20165), (357, 20210), (360, 20216), (408, 20300), (431,

20333), (563, 20615), (568, 20624), (578, 20639), (612, 20705),

Gene: Oregano_19 Start: 16535, Stop: 17371, Start Num: 120

Candidate Starts for Oregano_19:

(Start: 120 @16535 has 43 MA's), (Start: 130 @16544 has 36 MA's), (Start: 154 @16586 has 2 MA's), (167, 16619), (176, 16634), (199, 16682), (239, 16745), (242, 16751), (268, 16790), (305, 16844), (336, 16883), (338, 16889), (360, 16925), (386, 16955), (402, 16964), (495, 17114), (533, 17204), (597, 17291),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 21

Candidate Starts for Oscar_21:

(Start: 21 @15261 has 217 MA's), (48, 15378), (Start: 54 @15396 has 2 MA's), (Start: 80 @15441 has 36 MA's), (108, 15489), (141, 15537), (244, 15738), (274, 15792), (309, 15837), (323, 15858), (355, 15912), (372, 15945), (390, 15963), (437, 16026), (500, 16116), (501, 16119), (521, 16170), (536, 16209), (601, 16326), (617, 16365), (622, 16383),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 129

Candidate Starts for Outis_41:

(Start: 129 @29510 has 24 MA's), (176, 29597), (192, 29633), (225, 29672), (444, 30041), (505, 30185), (563, 30302), (613, 30398), (615, 30404), (619, 30419),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 115

Candidate Starts for P1201_46:

(Start: 115 @33556 has 8 MA's), (187, 33685), (248, 33775), (253, 33784), (262, 33802), (381, 34015), (406, 34057), (455, 34132), (465, 34150), (468, 34153), (477, 34174), (521, 34246), (532, 34279), (563, 34327),

Gene: P3MA_18 Start: 13279, Stop: 14376, Start Num: 34

Candidate Starts for P3MA_18:

(Start: 34 @13279 has 1 MA's), (Start: 54 @13363 has 2 MA's), (88, 13414), (118, 13474), (Start: 119 @13477 has 3 MA's), (132, 13492), (159, 13546), (198, 13630), (250, 13723), (254, 13732), (334, 13852), (355, 13894), (373, 13930), (409, 13957), (437, 14005), (465, 14023), (475, 14041), (482, 14053), (484, 14056), (498, 14086), (500, 14089), (502, 14095), (525, 14155), (570, 14245), (581, 14266), (596, 14290), (601, 14305), (615, 14338), (617, 14344), (625, 14368),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 100

Candidate Starts for PCoral7_18:

(Start: 100 @15883 has 15 MA's), (Start: 110 @15898 has 1 MA's), (Start: 133 @15928 has 1 MA's), (148, 15949), (188, 16039), (236, 16120), (365, 16324), (366, 16327), (511, 16522), (564, 16612), (592, 16654), (613, 16702), (615, 16708),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 68

Candidate Starts for PP_36:

(Start: 68 @24810 has 45 MA's), (118, 24888), (141, 24909), (155, 24942), (174, 24981), (188, 25011), (274, 25158), (301, 25188), (334, 25230), (431, 25404), (447, 25434), (511, 25584), (541, 25647), (555, 25674), (563, 25686), (578, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 128

Candidate Starts for PSonyx_16:

(Start: 128 @16641 has 1 MA's), (307, 16932), (314, 16944), (331, 16968), (374, 17052), (387, 17079), (405, 17103), (425, 17127), (438, 17148), (447, 17166), (463, 17196), (514, 17283), (526, 17310), (592, 17430), (600, 17445), (617, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 75

Candidate Starts for PYPDinur_17:

(Start: 75 @15692 has 61 MA's), (90, 15716), (Start: 103 @15743 has 1 MA's), (104, 15746), (Start: 110 @15761 has 1 MA's), (141, 15794), (188, 15890), (274, 16025), (280, 16034), (331, 16094), (334, 16097), (375, 16175), (381, 16190), (396, 16214), (426, 16247), (448, 16283), (460, 16307), (470, 16325), (475, 16334), (492, 16376), (501, 16403), (519, 16451), (534, 16478), (593, 16562),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 15

Candidate Starts for Pace1224_17:

(5, 15304), (Start: 15 @15628 has 1 MA's), (Start: 21 @15664 has 217 MA's), (48, 15790), (88, 15850), (Start: 100 @15874 has 15 MA's), (Start: 119 @15916 has 3 MA's), (Start: 121 @15919 has 1 MA's), (144, 15949), (176, 16021), (187, 16045), (193, 16060), (196, 16066), (211, 16105), (215, 16111), (309, 16255), (322, 16273), (337, 16294), (340, 16300), (352, 16324), (371, 16360), (482, 16525), (500, 16567), (502, 16573), (585, 16744), (615, 16810),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for PackMan_28:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Padfoot_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 21

Candidate Starts for Padpat_22:

(Start: 21 @16011 has 217 MA's), (48, 16128), (Start: 100 @16218 has 15 MA's), (108, 16239), (Start: 119 @16260 has 3 MA's), (141, 16287), (274, 16542), (336, 16623), (373, 16698), (390, 16713), (482, 16824), (500, 16866), (536, 16959), (548, 16983), (601, 17076), (617, 17115), (622, 17133),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 72

Candidate Starts for PainterBoy_28:

(Start: 72 @19862 has 238 MA's), (87, 19880), (140, 19955), (174, 20030), (207, 20093), (301, 20237), (331, 20276), (334, 20279), (376, 20366), (506, 20618), (511, 20633), (527, 20669), (563, 20735), (573, 20753), (578, 20759),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 21

Candidate Starts for Paito_17:

(Start: 21 @15610 has 217 MA's), (48, 15730), (Start: 54 @15748 has 2 MA's), (88, 15799), (Start: 100 @15823 has 15 MA's), (118, 15862), (140, 15889), (175, 15967), (176, 15970), (186, 15991), (215, 16045), (263, 16120), (334, 16222), (340, 16234), (465, 16429), (482, 16459), (493, 16477), (529, 16579), (615, 16744),

Gene: PantheRoc_18 Start: 16271, Stop: 17098, Start Num: 130

Candidate Starts for PantheRoc_18:

(Start: 130 @16271 has 36 MA's), (167, 16346), (236, 16466), (239, 16472), (279, 16538), (285, 16550), (334, 16607), (338, 16616), (360, 16652), (365, 16661), (386, 16682), (451, 16766), (495, 16841), (501, 16862), (579, 16985), (597, 17018),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 26

Candidate Starts for Paola_20:

(Start: 26 @16323 has 22 MA's), (118, 16563), (Start: 119 @16566 has 3 MA's), (141, 16593), (186, 16692), (244, 16794), (274, 16848), (298, 16878), (323, 16914), (325, 16917), (334, 16926), (372, 17001), (373, 17004), (437, 17082), (465, 17100), (469, 17106), (482, 17130), (484, 17133), (488, 17139), (500, 17172), (601, 17382), (617, 17421), (622, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 47

Candidate Starts for Parada_21:

(Start: 47 @16293 has 17 MA's), (Start: 65 @16338 has 19 MA's), (92, 16368), (151, 16476), (221, 16626), (249, 16674), (297, 16758), (304, 16767), (337, 16809), (443, 16986), (467, 17019), (489, 17055), (583, 17250), (616, 17322), (617, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 68

Candidate Starts for Paries_36:

(Start: 68 @30450 has 45 MA's), (169, 30636), (176, 30648), (188, 30675), (198, 30696), (239, 30756), (284, 30843), (286, 30846), (316, 30882), (340, 30915), (348, 30930), (353, 30942), (373, 30972), (386, 30978), (434, 31038), (496, 31128), (536, 31218), (548, 31242), (554, 31254), (594, 31320), (611, 31359), (615, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 80

Candidate Starts for Partridge_22:

(Start: 80 @15513 has 36 MA's), (Start: 100 @15552 has 15 MA's), (Start: 154 @15639 has 2 MA's), (187, 15708), (241, 15786), (334, 15924), (517, 16149), (526, 16167), (563, 16236), (626, 16374),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 129

Candidate Starts for Patio_43:

(Start: 129 @29772 has 24 MA's), (176, 29850), (225, 29925), (282, 30033), (341, 30117), (444, 30297), (447, 30303), (536, 30519), (563, 30558), (604, 30633), (610, 30645), (613, 30654), (619, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 21

Candidate Starts for Patt_23:

(Start: 21 @17231 has 217 MA's), (27, 17249), (Start: 40 @17321 has 2 MA's), (48, 17351), (Start: 100 @17441 has 15 MA's), (104, 17450), (Start: 119 @17483 has 3 MA's), (140, 17507), (187, 17612), (274, 17765), (328, 17834), (334, 17840), (437, 17993), (465, 18011), (482, 18041), (500, 18083), (501, 18086), (596, 18278), (601, 18293), (617, 18332), (622, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 21

Candidate Starts for Peanam_22:

(Start: 21 @15375 has 217 MA's), (48, 15495), (Start: 100 @15585 has 15 MA's), (141, 15654), (186, 15753), (187, 15756), (244, 15855), (274, 15909), (336, 15990), (373, 16065), (390, 16080), (469, 16167), (482, 16191), (500, 16233), (501, 16236), (521, 16287), (536, 16326), (585, 16410), (596, 16428), (601, 16443), (617, 16482), (622, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Peeb_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Peel_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 65

Candidate Starts for PegLeg_27:

(Start: 65 @21456 has 19 MA's), (Start: 129 @21558 has 24 MA's), (146, 21576), (Start: 152 @21591 has 1 MA's), (188, 21663), (192, 21672), (247, 21750), (329, 21885), (331, 21888), (334, 21891), (371, 21960), (393, 22002), (396, 22008), (483, 22149), (492, 22170), (497, 22182), (565, 22305), (571, 22317),

Gene: Pepperoni_16 Start: 14166, Stop: 15014, Start Num: 120

Candidate Starts for Pepperoni_16:

(Start: 75 @14079 has 61 MA's), (Start: 120 @14166 has 43 MA's), (127, 14172), (171, 14256), (196, 14307), (228, 14361), (253, 14394), (270, 14427), (315, 14493), (334, 14514), (336, 14517), (346, 14538), (386, 14595), (520, 14817), (523, 14823), (615, 14979), (617, 14985),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Periodt_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Petersenfast_26 Start: 19733, Stop: 20755, Start Num: 72

Candidate Starts for Petersenfast_26:

(Start: 72 @19733 has 238 MA's), (104, 19790), (Start: 152 @19865 has 1 MA's), (224, 19994), (258, 20054), (293, 20114), (301, 20120), (334, 20162), (357, 20207), (360, 20213), (408, 20297), (431, 20330), (563, 20612), (568, 20621), (578, 20636), (612, 20702),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 115

Candidate Starts for PeteyPab_32:

(Start: 115 @28461 has 8 MA's), (139, 28485), (158, 28530), (187, 28590), (218, 28629), (269, 28725), (368, 28887), (381, 28920), (444, 28995), (455, 29019), (539, 29160), (563, 29196), (579, 29223), (608, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 102

Candidate Starts for Petra_20:

(Start: 98 @16188 has 6 MA's), (Start: 102 @16194 has 26 MA's), (169, 16311), (188, 16350), (236, 16431), (292, 16530), (366, 16638), (437, 16722), (488, 16788), (490, 16794), (564, 16923), (592, 16965),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 79

Candidate Starts for PetterN_24:

(Start: 79 @17936 has 49 MA's), (Start: 154 @18065 has 2 MA's), (155, 18068), (174, 18107), (272, 18272), (293, 18302), (301, 18308), (317, 18326), (334, 18350), (355, 18392), (563, 18806), (612, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 72

Candidate Starts for Ph8s_28:

(Start: 72 @17912 has 238 MA's), (118, 17987), (140, 18005), (155, 18041), (301, 18287), (331, 18326), (334, 18329), (408, 18464), (461, 18557), (479, 18590), (527, 18713), (543, 18743), (563,

18779), (578, 18803),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 72

Candidate Starts for Phaded_30:

(Start: 72 @21122 has 238 MA's), (118, 21197), (140, 21215), (174, 21290), (258, 21431), (272, 21461), (301, 21497), (334, 21539), (377, 21629), (398, 21665), (408, 21680), (479, 21806), (511, 21893), (563, 21995), (578, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for Phaeder_28:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 80

Candidate Starts for PhailMary_21:

(Start: 80 @15802 has 36 MA's), (Start: 100 @15841 has 15 MA's), (Start: 154 @15928 has 2 MA's), (187, 15997), (241, 16075), (254, 16102), (334, 16213), (415, 16309), (517, 16438), (526, 16456), (563, 16525), (626, 16663),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 72

Candidate Starts for Pharaoh_27:

(Start: 33 @20123 has 1 MA's), (Start: 72 @20243 has 238 MA's), (140, 20336), (155, 20372), (174, 20411), (181, 20423), (235, 20507), (293, 20612), (301, 20618), (331, 20657), (334, 20660), (385, 20768), (398, 20786), (507, 21002), (563, 21116),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 21

Candidate Starts for Pharb_21:

(Start: 21 @16291 has 217 MA's), (48, 16414), (Start: 54 @16432 has 2 MA's), (Start: 80 @16477 has 36 MA's), (88, 16483), (104, 16513), (Start: 119 @16546 has 3 MA's), (176, 16651), (186, 16672), (188, 16678), (220, 16735), (244, 16774), (263, 16804), (323, 16891), (346, 16927), (465, 17074), (482, 17104), (488, 17113), (500, 17146), (501, 17149), (502, 17152), (525, 17212), (536, 17239), (586, 17326), (613, 17383), (615, 17389), (617, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 70

Candidate Starts for Phauci_25:

(Start: 70 @24740 has 24 MA's), (149, 24863), (165, 24899), (192, 24959), (237, 25055), (303, 25166), (318, 25187), (377, 25289), (412, 25325), (526, 25541), (528, 25547), (534, 25562), (541, 25577), (559, 25613), (580, 25646), (582, 25649), (616, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 21

Candidate Starts for PhelpsODU_21:

(Start: 21 @15233 has 217 MA's), (48, 15353), (Start: 100 @15443 has 15 MA's), (141, 15512), (244, 15713), (274, 15767), (298, 15797), (390, 15938), (436, 15998), (465, 16019), (482, 16049), (500, 16091), (501, 16094), (502, 16097), (536, 16184), (548, 16208), (596, 16286), (601, 16301), (617, 16340), (622, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 64

Candidate Starts for Phendrix_86:

(Start: 64 @51239 has 2 MA's), (Start: 96 @51278 has 9 MA's), (153, 51383), (162, 51404), (186, 51455), (188, 51461), (202, 51494), (296, 51662), (318, 51692), (437, 51872), (475, 51926), (486, 51947), (500, 51986), (501, 51989), (511, 52016), (513, 52019), (515, 52025), (528, 52052), (537, 52070), (556, 52109), (584, 52154), (587, 52160), (589, 52163),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 79

Candidate Starts for Phillis_23:

(Start: 79 @17609 has 49 MA's), (Start: 152 @17732 has 1 MA's), (Start: 154 @17738 has 2 MA's), (188, 17810), (258, 17915), (269, 17942), (334, 18032), (398, 18152), (445, 18233), (460, 18263), (461, 18266), (555, 18476), (579, 18515), (603, 18563), (612, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 70

Candidate Starts for Phinally_32:

(Start: 70 @28148 has 24 MA's), (149, 28271), (165, 28307), (192, 28367), (237, 28463), (303, 28574), (318, 28595), (377, 28697), (404, 28718), (412, 28733), (455, 28790), (482, 28841), (526, 28949), (528, 28955), (534, 28970), (543, 28988), (559, 29021), (580, 29054), (582, 29057), (616, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 99

Candidate Starts for PhinkBoden_47:

(Start: 99 @29095 has 9 MA's), (Start: 130 @29143 has 36 MA's), (150, 29170), (185, 29242), (220, 29308), (239, 29338), (302, 29446), (365, 29539), (388, 29563), (407, 29578), (473, 29674), (499, 29722), (599, 29902), (614, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Phish_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 102

Candidate Starts for Phishy_21:

(Start: 102 @17919 has 26 MA's), (104, 17925), (Start: 121 @17961 has 1 MA's), (123, 17964), (183, 18063), (217, 18132), (226, 18147), (236, 18159), (289, 18255), (292, 18258), (298, 18267), (310, 18279), (321, 18294), (418, 18423), (498, 18543), (511, 18564), (594, 18705),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 72

Candidate Starts for Phlei_22:

(Start: 72 @20737 has 238 MA's), (140, 20833), (192, 20947), (274, 21085), (293, 21109), (301, 21115), (334, 21157), (355, 21199), (361, 21211), (377, 21247), (408, 21298), (431, 21331), (454, 21370), (568, 21622), (578, 21637), (612, 21703),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 77

Candidate Starts for Phlop_30:

(Start: 77 @25004 has 29 MA's), (135, 25109), (166, 25178), (169, 25184), (183, 25208), (188, 25223), (434, 25583), (446, 25598), (458, 25616), (518, 25718), (536, 25760), (554, 25796), (607, 25892), (624, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 79

Candidate Starts for Phlorence_23:

(Start: 79 @18754 has 49 MA's), (140, 18850), (Start: 154 @18883 has 2 MA's), (155, 18886), (174, 18925), (196, 18973), (301, 19126), (317, 19144), (334, 19168), (355, 19210), (511, 19522), (563, 19624), (579, 19651), (612, 19714),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 129

Candidate Starts for Phomeo_39:

(Start: 129 @29529 has 24 MA's), (176, 29616), (225, 29691), (261, 29757), (282, 29799), (324, 29856), (447, 30069), (460, 30096), (505, 30207), (563, 30339), (613, 30435),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 72

Candidate Starts for Phonnegut_28:

(Start: 72 @20560 has 238 MA's), (87, 20578), (118, 20635), (140, 20653), (155, 20689), (258, 20869), (274, 20905), (301, 20935), (334, 20977), (421, 21136), (495, 21280), (517, 21343), (555, 21418), (563, 21430), (578, 21454),

Gene: PhorbesPhlower_17 Start: 14248, Stop: 15156, Start Num: 138

Candidate Starts for PhorbesPhlower_17:

(Start: 138 @14248 has 25 MA's), (162, 14299), (229, 14419), (245, 14443), (253, 14455), (254, 14458), (291, 14521), (383, 14650), (403, 14677), (420, 14704), (425, 14710), (427, 14713), (474, 14800), (510, 14905), (528, 14932), (531, 14941), (532, 14944), (540, 14959), (563, 15004), (568, 15013),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 21

Candidate Starts for Phrank_21:

(Start: 21 @15187 has 217 MA's), (48, 15307), (Start: 100 @15397 has 15 MA's), (141, 15466), (244, 15667), (390, 15892), (436, 15952), (465, 15973), (500, 16045), (501, 16048), (502, 16051), (536, 16138), (548, 16162), (596, 16240), (601, 16255), (617, 16294), (622, 16312),

Gene: Phrankenstein_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Phrankenstein_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Phreak_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: PhriskyACE_18 Start: 15989, Stop: 16825, Start Num: 120

Candidate Starts for PhriskyACE_18:

(Start: 120 @15989 has 43 MA's), (Start: 130 @15998 has 36 MA's), (Start: 154 @16040 has 2 MA's), (167, 16073), (176, 16088), (239, 16199), (242, 16205), (246, 16214), (268, 16244), (305, 16298), (336, 16337), (351, 16367), (360, 16379), (386, 16409), (402, 16418), (495, 16568), (533, 16658), (597, 16745),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 102

Candidate Starts for PhrostedPhlake_19:

(Start: 98 @16163 has 6 MA's), (Start: 102 @16169 has 26 MA's), (188, 16325), (236, 16406), (292, 16505), (366, 16613), (437, 16697), (488, 16763), (490, 16769), (564, 16898), (581, 16925), (592, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Piatt_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Pickett_16 Start: 13834, Stop: 14682, Start Num: 120

Candidate Starts for Pickett_16:

(Start: 75 @13747 has 61 MA's), (Start: 120 @13834 has 43 MA's), (127, 13840), (Start: 133 @13846 has 1 MA's), (196, 13975), (228, 14029), (253, 14062), (270, 14095), (334, 14182), (336, 14185), (346, 14206), (386, 14263), (520, 14485), (523, 14491), (617, 14653),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 79

Candidate Starts for PickleBack_23:

(Start: 79 @18468 has 49 MA's), (140, 18564), (Start: 154 @18597 has 2 MA's), (155, 18600), (174, 18639), (196, 18687), (301, 18840), (317, 18858), (334, 18882), (355, 18924), (511, 19236), (563, 19338), (579, 19365), (612, 19428),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 47

Candidate Starts for Pimento_22:

(Start: 47 @15990 has 17 MA's), (Start: 65 @16035 has 19 MA's), (92, 16065), (151, 16173), (221, 16323), (249, 16371), (297, 16455), (304, 16464), (337, 16506), (443, 16683), (489, 16752), (583, 16947), (616, 17019), (617, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 77

Candidate Starts for PinkCoffee_32:

(Start: 77 @25643 has 29 MA's), (135, 25748), (166, 25817), (169, 25823), (183, 25847), (188, 25862), (434, 26222), (446, 26237), (458, 26255), (518, 26357), (536, 26399), (554, 26435), (607, 26531), (624, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 21

Candidate Starts for PinkYoshi_17:

(6, 15135), (Start: 21 @15468 has 217 MA's), (48, 15588), (Start: 54 @15606 has 2 MA's), (Start: 80 @15651 has 36 MA's), (88, 15657), (118, 15720), (144, 15756), (175, 15825), (176, 15828), (186, 15849), (215, 15903), (244, 15948), (263, 15978), (334, 16080), (340, 16092), (346, 16104), (355, 16122), (465, 16287), (482, 16317), (493, 16335), (500, 16359), (549, 16479), (601, 16569), (615, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 21

Candidate Starts for Pinnie_18:

(Start: 21 @16180 has 217 MA's), (Start: 54 @16324 has 2 MA's), (88, 16375), (Start: 119 @16441 has 3 MA's), (Start: 121 @16444 has 1 MA's), (144, 16474), (176, 16546), (211, 16615), (215, 16621), (301, 16756), (340, 16810), (371, 16870), (453, 16978), (482, 17035), (500, 17077), (583, 17251), (585, 17254), (615, 17320),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 72

Candidate Starts for Pioneer_28:

(Start: 72 @20560 has 238 MA's), (87, 20578), (118, 20635), (140, 20653), (155, 20689), (258, 20869), (274, 20905), (301, 20935), (334, 20977), (421, 21136), (495, 21280), (517, 21343), (555, 21418), (563, 21430), (578, 21454),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 98

Candidate Starts for Pipp_18:

(Start: 98 @15781 has 6 MA's), (Start: 102 @15787 has 26 MA's), (Start: 110 @15802 has 1 MA's), (188, 15943), (236, 16024), (366, 16231), (437, 16315), (488, 16381), (511, 16426), (564, 16516),

(581, 16543), (592, 16558),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 72

Candidate Starts for Piro94_28:

(Start: 72 @19659 has 238 MA's), (118, 19734), (140, 19752), (155, 19788), (174, 19827), (274, 20004), (301, 20034), (331, 20073), (334, 20076), (563, 20532), (578, 20556),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 21

Candidate Starts for Pixie_21:

(Start: 21 @16222 has 217 MA's), (48, 16345), (Start: 80 @16408 has 36 MA's), (88, 16414), (104, 16444), (Start: 119 @16477 has 3 MA's), (176, 16582), (186, 16603), (188, 16609), (220, 16666), (244, 16705), (263, 16735), (323, 16822), (346, 16858), (360, 16885), (465, 17005), (482, 17035), (488, 17044), (500, 17077), (501, 17080), (502, 17083), (536, 17170), (586, 17257), (615, 17320), (617, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Plagueis_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 129

Candidate Starts for Pleakley_49:

(Start: 129 @29758 has 24 MA's), (176, 29839), (225, 29914), (254, 29965), (324, 30079), (444, 30286), (563, 30547), (599, 30610), (613, 30643),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 72

Candidate Starts for Pmask_30:

(Start: 72 @18960 has 238 MA's), (104, 19014), (140, 19053), (188, 19158), (274, 19305), (301, 19335), (331, 19374), (334, 19377), (357, 19422), (385, 19482), (495, 19680), (563, 19830), (568, 19839),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 72

Candidate Starts for Poise_49:

(Start: 72 @25756 has 238 MA's), (Start: 152 @25888 has 1 MA's), (165, 25912), (168, 25921), (172, 25927), (177, 25936), (188, 25960), (192, 25969), (198, 25981), (203, 25993), (269, 26107), (323, 26188), (334, 26203), (337, 26209), (393, 26317), (475, 26443), (478, 26449), (542, 26599), (545, 26605), (552, 26617), (554, 26620), (602, 26707), (604, 26710), (606, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 21

Candidate Starts for Pokerus_21:

(Start: 21 @15968 has 217 MA's), (48, 16085), (Start: 100 @16175 has 15 MA's), (108, 16196), (Start: 119 @16217 has 3 MA's), (141, 16244), (274, 16499), (336, 16580), (373, 16655), (390, 16670), (482, 16781), (500, 16823), (536, 16916), (548, 16940), (601, 17033), (617, 17072), (622, 17090),

Gene: Pollux_19 Start: 16661, Stop: 17569, Start Num: 138

Candidate Starts for Pollux_19:

(Start: 138 @16661 has 25 MA's), (165, 16718), (242, 16853), (251, 16868), (253, 16871), (278, 16922), (368, 17030), (392, 17078), (408, 17102), (420, 17120), (425, 17126), (445, 17162), (510, 17318), (528, 17345), (532, 17357), (540, 17372), (563, 17417), (573, 17435), (579, 17444), (597, 17480), (598, 17483), (613, 17519), (615, 17525), (617, 17531),

Gene: Polly_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Polly_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Polyuyki_44 Start: 30428, Stop: 31354, Start Num: 126

Candidate Starts for Polyuyki_44:

(Start: 126 @30428 has 6 MA's), (Start: 154 @30464 has 2 MA's), (225, 30581), (248, 30620), (258, 30638), (282, 30689), (349, 30788), (384, 30863), (390, 30872), (435, 30947), (447, 30968), (505, 31106), (519, 31142), (534, 31181), (563, 31223), (599, 31286), (613, 31319),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 72

Candidate Starts for Pomar16_30:

(Start: 72 @19083 has 238 MA's), (104, 19137), (118, 19158), (140, 19176), (235, 19347), (301, 19458), (331, 19497), (334, 19500), (357, 19545), (517, 19863), (555, 19938), (563, 19950), (578, 19974), (612, 20040),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 77

Candidate Starts for Portcullis_30:

(Start: 77 @24953 has 29 MA's), (135, 25058), (166, 25127), (169, 25133), (183, 25157), (188, 25172), (434, 25532), (446, 25547), (458, 25565), (518, 25667), (536, 25709), (554, 25745), (607, 25841), (624, 25892),

Gene: Posh_19 Start: 16625, Stop: 17533, Start Num: 138

Candidate Starts for Posh_19:

(Start: 138 @16625 has 25 MA's), (165, 16682), (242, 16817), (251, 16832), (253, 16835), (278, 16886), (347, 16955), (368, 16994), (392, 17042), (408, 17066), (420, 17084), (425, 17090), (445, 17126), (510, 17282), (528, 17309), (532, 17321), (540, 17336), (563, 17381), (573, 17399), (579, 17408), (597, 17444), (598, 17447), (613, 17483), (615, 17489), (617, 17495),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 115

Candidate Starts for PotatoChip_33:

(Start: 115 @28463 has 8 MA's), (139, 28487), (158, 28532), (187, 28592), (218, 28631), (269, 28727), (368, 28889), (381, 28922), (444, 28997), (455, 29021), (539, 29162), (563, 29198), (579, 29225), (608, 29282),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 119

Candidate Starts for Poushou_18:

(Start: 119 @16550 has 3 MA's), (Start: 121 @16553 has 1 MA's), (172, 16637), (256, 16775), (444, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 72

Candidate Starts for Power_27:

(Start: 72 @19105 has 238 MA's), (118, 19180), (140, 19198), (155, 19234), (174, 19273), (301, 19480), (331, 19519), (334, 19522), (479, 19789), (517, 19891), (555, 19966), (563, 19978), (612, 20068),

Gene: Powerball_18 Start: 15995, Stop: 16822, Start Num: 130

Candidate Starts for Powerball_18:

(Start: 130 @15995 has 36 MA's), (167, 16070), (199, 16133), (212, 16157), (239, 16196), (242, 16202), (268, 16241), (305, 16295), (331, 16328), (334, 16331), (336, 16334), (360, 16376), (402, 16415), (451, 16490), (495, 16565), (533, 16655),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 72

Candidate Starts for Priamo_30:

(Start: 72 @19009 has 238 MA's), (104, 19063), (140, 19102), (155, 19138), (188, 19207), (274, 19354), (301, 19384), (331, 19423), (334, 19426), (357, 19471), (385, 19531), (461, 19657), (495, 19729), (563, 19879), (568, 19888),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 100

Candidate Starts for PrincePatrick_18:

(Start: 100 @15957 has 15 MA's), (Start: 110 @15972 has 1 MA's), (Start: 133 @16002 has 1 MA's), (148, 16023), (188, 16113), (236, 16194), (365, 16398), (366, 16401), (511, 16596), (564, 16686), (592, 16728), (613, 16776), (615, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 72

Candidate Starts for Pringar_49:

(Start: 72 @26044 has 238 MA's), (Start: 152 @26176 has 1 MA's), (165, 26200), (168, 26209), (172, 26215), (177, 26224), (188, 26248), (192, 26257), (198, 26269), (269, 26395), (323, 26476), (334, 26491), (337, 26497), (393, 26605), (475, 26731), (478, 26737), (542, 26887), (545, 26893), (552, 26905), (554, 26908), (602, 26995), (604, 26998), (606, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 21

Candidate Starts for Prithvi_22:

(Start: 21 @15985 has 217 MA's), (48, 16102), (Start: 100 @16192 has 15 MA's), (108, 16213), (Start: 119 @16234 has 3 MA's), (141, 16261), (274, 16516), (336, 16597), (373, 16672), (390, 16687), (482, 16798), (500, 16840), (536, 16933), (548, 16957), (601, 17050), (617, 17089), (622, 17107),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 72

Candidate Starts for Priya_28:

(Start: 72 @20558 has 238 MA's), (87, 20576), (118, 20633), (140, 20651), (155, 20687), (258, 20867), (274, 20903), (301, 20933), (334, 20975), (421, 21134), (495, 21278), (517, 21341), (555, 21416), (563, 21428), (578, 21452),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 26

Candidate Starts for Psycho_20:

(Start: 26 @16299 has 22 MA's), (Start: 80 @16473 has 36 MA's), (118, 16539), (141, 16569), (186, 16668), (244, 16770), (274, 16824), (298, 16854), (323, 16890), (325, 16893), (334, 16902), (372, 16977), (373, 16980), (412, 17016), (437, 17058), (465, 17076), (469, 17082), (482, 17106), (484, 17109), (500, 17148), (540, 17250), (601, 17358), (617, 17397), (622, 17415),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 72

Candidate Starts for Pukovnik_29:

(Start: 72 @20677 has 238 MA's), (118, 20752), (140, 20770), (174, 20845), (183, 20860), (258, 20986), (301, 21052), (331, 21091), (334, 21094), (338, 21103), (377, 21184), (408, 21235), (563, 21550), (578, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 77

Candidate Starts for PullumCavea_30:

(Start: 77 @25004 has 29 MA's), (135, 25109), (166, 25178), (169, 25184), (183, 25208), (188, 25223), (434, 25583), (446, 25598), (458, 25616), (518, 25718), (536, 25760), (554, 25796), (607, 25892), (624, 25943),

Gene: Puppies_17 Start: 14309, Stop: 15142, Start Num: 142

Candidate Starts for Puppies_17:

(Start: 142 @14309 has 13 MA's), (174, 14378), (225, 14462), (251, 14513), (321, 14621), (373, 14714), (377, 14726), (379, 14732), (440, 14798), (505, 14924), (528, 14951), (529, 14954), (538, 14972), (548, 14987), (569, 15026),

Gene: Pytheas_19 Start: 16771, Stop: 17679, Start Num: 138

Candidate Starts for Pytheas_19:

(Start: 138 @16771 has 25 MA's), (165, 16828), (242, 16963), (251, 16978), (253, 16981), (278, 17032), (368, 17140), (392, 17188), (408, 17212), (420, 17230), (425, 17236), (445, 17272), (510, 17428), (528, 17455), (532, 17467), (540, 17482), (563, 17527), (573, 17545), (579, 17554), (597, 17590), (598, 17593), (613, 17629), (615, 17635), (617, 17641),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 72

Candidate Starts for Qobbit_28:

(Start: 72 @20557 has 238 MA's), (87, 20575), (118, 20632), (140, 20650), (155, 20686), (258, 20866), (274, 20902), (301, 20932), (334, 20974), (421, 21133), (495, 21277), (517, 21340), (555, 21415), (563, 21427), (578, 21451),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 75

Candidate Starts for Quby_17:

(Start: 75 @15700 has 61 MA's), (90, 15724), (Start: 103 @15751 has 1 MA's), (104, 15754), (Start: 110 @15769 has 1 MA's), (141, 15802), (188, 15898), (274, 16033), (280, 16042), (331, 16102), (334, 16105), (375, 16183), (381, 16198), (396, 16222), (448, 16291), (460, 16315), (470, 16333), (492, 16384), (501, 16411), (519, 16459), (534, 16486), (593, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 72

Candidate Starts for QueenB2_27:

(Start: 72 @19223 has 238 MA's), (118, 19298), (140, 19316), (155, 19352), (174, 19391), (301, 19598), (331, 19637), (334, 19640), (479, 19907), (517, 20009), (555, 20084), (563, 20096), (612, 20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 72

Candidate Starts for QueenBeesly_27:

(Start: 72 @19105 has 238 MA's), (118, 19180), (140, 19198), (155, 19234), (174, 19273), (301, 19480), (331, 19519), (334, 19522), (479, 19789), (517, 19891), (555, 19966), (563, 19978), (612, 20068),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 21

Candidate Starts for QuincyRose_21:

(Start: 21 @16031 has 217 MA's), (48, 16148), (Start: 100 @16238 has 15 MA's), (108, 16259), (Start: 119 @16280 has 3 MA's), (141, 16307), (274, 16562), (336, 16643), (373, 16718), (390, 16733), (482, 16844), (500, 16886), (536, 16979), (548, 17003), (601, 17096), (617, 17135), (622, 17153),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 72

Candidate Starts for Quokka_25:

(Start: 72 @18067 has 238 MA's), (104, 18121), (118, 18142), (140, 18160), (174, 18235), (301, 18442), (331, 18481), (334, 18484), (357, 18529), (461, 18712), (479, 18745), (517, 18847), (563, 18934), (612, 19024),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 117

Candidate Starts for REQ2_19:

(117, 18255), (145, 18288), (150, 18300), (214, 18435), (239, 18471), (335, 18618), (349, 18642), (365, 18669), (446, 18762), (466, 18792), (500, 18852), (547, 18936), (553, 18948), (594, 19008), (608, 19041), (613, 19053), (618, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 75

Candidate Starts for REQ3_49:

(Start: 75 @31366 has 61 MA's), (Start: 94 @31399 has 2 MA's), (Start: 100 @31411 has 15 MA's), (Start: 152 @31492 has 1 MA's), (227, 31615), (240, 31633), (258, 31669), (334, 31774), (353, 31813), (452, 31927), (454, 31930), (514, 32029), (563, 32131), (597, 32191), (626, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 80

Candidate Starts for RER2_15:

(Start: 80 @12352 has 36 MA's), (Start: 100 @12391 has 15 MA's), (Start: 152 @12472 has 1 MA's), (Start: 154 @12478 has 2 MA's), (187, 12547), (241, 12625), (272, 12685), (334, 12763), (415, 12859), (517, 12988), (526, 13006), (555, 13063), (563, 13075), (585, 13117), (626, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 80

Candidate Starts for RGL3_15:

(Start: 80 @12514 has 36 MA's), (108, 12574), (Start: 154 @12640 has 2 MA's), (183, 12697), (187, 12709), (258, 12820), (293, 12877), (334, 12925), (367, 12976), (517, 13150), (528, 13174), (543, 13201), (555, 13225), (563, 13237),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 60

Candidate Starts for Rabbitrun_29:

(Start: 60 @22682 has 10 MA's), (Start: 72 @22697 has 238 MA's), (104, 22754), (118, 22784), (153, 22829), (170, 22862), (188, 22898), (240, 22973), (254, 23003), (256, 23006), (274, 23042), (317, 23105), (320, 23108), (329, 23123), (346, 23153), (353, 23168), (366, 23189), (396, 23249), (401, 23255), (485, 23402), (494, 23426), (514, 23483), (551, 23540), (567, 23564), (577, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 21

Candidate Starts for Rabbs_17:

(4, 15083), (6, 15143), (Start: 21 @15479 has 217 MA's), (48, 15605), (Start: 54 @15623 has 2 MA's), (Start: 80 @15668 has 36 MA's), (88, 15674), (118, 15737), (144, 15773), (175, 15842), (176, 15845), (186, 15866), (215, 15920), (263, 15995), (334, 16097), (340, 16109), (465, 16304), (482, 16334), (493, 16352), (500, 16376), (540, 16478), (549, 16496), (601, 16586), (615, 16619),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 72

Candidate Starts for Rachaly_30:

(Start: 72 @20827 has 238 MA's), (140, 20920), (155, 20956), (174, 20995), (301, 21202), (331, 21241), (334, 21244), (357, 21289), (408, 21379), (461, 21472), (479, 21505), (517, 21607), (555, 21682), (563, 21694), (612, 21784),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 72

Candidate Starts for Raela_49:

(Start: 72 @26311 has 238 MA's), (Start: 152 @26443 has 1 MA's), (165, 26467), (168, 26476), (172, 26482), (177, 26491), (188, 26515), (192, 26524), (198, 26536), (269, 26662), (323, 26743), (334, 26758), (337, 26764), (393, 26872), (475, 26998), (478, 27004), (505, 27079), (542, 27154), (545, 27160), (552, 27172), (554, 27175), (602, 27262), (604, 27265), (606, 27268),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 72

Candidate Starts for Rahalelujah_26:

(Start: 72 @18587 has 238 MA's), (87, 18605), (104, 18641), (118, 18662), (140, 18680), (188, 18785), (274, 18932), (301, 18962), (334, 19004), (385, 19109), (413, 19154), (444, 19199), (470, 19250), (474, 19256), (477, 19265), (517, 19379), (543, 19430), (555, 19454), (563, 19466), (612, 19556),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 21

Candidate Starts for Ramen_22:

(Start: 21 @16017 has 217 MA's), (48, 16134), (Start: 100 @16224 has 15 MA's), (108, 16245), (Start: 119 @16266 has 3 MA's), (141, 16293), (274, 16548), (336, 16629), (373, 16704), (390, 16719), (482, 16830), (500, 16872), (536, 16965), (548, 16989), (601, 17082), (617, 17121), (622, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 26

Candidate Starts for Rando14_20:

(Start: 26 @14989 has 22 MA's), (Start: 54 @15118 has 2 MA's), (Start: 80 @15163 has 36 MA's), (118, 15229), (Start: 119 @15232 has 3 MA's), (141, 15259), (186, 15358), (244, 15460), (274, 15514), (298, 15544), (323, 15580), (334, 15592), (360, 15643), (372, 15667), (409, 15700), (437, 15748), (469, 15772), (482, 15796), (484, 15799), (500, 15838), (601, 16048), (617, 16087), (622, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 21

Candidate Starts for Rapunzel97_22:

(Start: 21 @16018 has 217 MA's), (48, 16135), (Start: 100 @16225 has 15 MA's), (108, 16246), (Start: 119 @16267 has 3 MA's), (141, 16294), (274, 16549), (336, 16630), (373, 16705), (390, 16720), (482, 16831), (500, 16873), (536, 16966), (548, 16990), (601, 17083), (617, 17122), (622, 17140),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 80

Candidate Starts for Rasputin_22:

(Start: 80 @15448 has 36 MA's), (Start: 100 @15487 has 15 MA's), (Start: 152 @15568 has 1 MA's), (Start: 154 @15574 has 2 MA's), (187, 15643), (241, 15721), (254, 15748), (334, 15859), (415, 15955), (517, 16084), (526, 16102), (563, 16171), (626, 16309),

Gene: RavenCo17_16 Start: 14717, Stop: 15550, Start Num: 122

Candidate Starts for RavenCo17_16:

(Start: 122 @14717 has 2 MA's), (155, 14759), (204, 14867), (253, 14933), (334, 15053), (386, 15131), (508, 15326), (523, 15359), (597, 15470),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 76

Candidate Starts for ReMo_29:

(Start: 76 @18119 has 20 MA's), (Start: 152 @18233 has 1 MA's), (Start: 154 @18239 has 2 MA's), (155, 18242), (284, 18476), (461, 18743), (493, 18797), (563, 18953),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 72

Candidate Starts for RedRaider77_49:

(Start: 72 @26212 has 238 MA's), (Start: 152 @26344 has 1 MA's), (165, 26368), (168, 26377), (172, 26383), (177, 26392), (188, 26416), (192, 26425), (198, 26437), (269, 26563), (323, 26644), (334, 26659), (337, 26665), (393, 26773), (475, 26899), (478, 26905), (505, 26980), (542, 27055), (545, 27061), (552, 27073), (554, 27076), (602, 27163), (604, 27166), (606, 27169),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 72

Candidate Starts for RedRock_30:

(Start: 72 @21090 has 238 MA's), (87, 21108), (118, 21165), (140, 21183), (155, 21219), (174, 21258), (301, 21465), (331, 21504), (334, 21507), (357, 21552), (461, 21738), (479, 21771), (511, 21858), (563, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 72

Candidate Starts for Refuge_30:

(Start: 72 @22099 has 238 MA's), (118, 22174), (140, 22192), (155, 22228), (174, 22267), (301, 22474), (331, 22513), (334, 22516), (424, 22681), (454, 22729), (563, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 63

Candidate Starts for Reindeer_25:

(Start: 63 @21276 has 2 MA's), (Start: 65 @21279 has 19 MA's), (Start: 121 @21378 has 1 MA's), (Start: 129 @21381 has 24 MA's), (146, 21399), (Start: 152 @21414 has 1 MA's), (188, 21486), (192, 21495), (247, 21573), (272, 21621), (331, 21711), (334, 21714), (343, 21732), (371, 21783), (381, 21807), (393, 21825), (396, 21831), (468, 21936), (483, 21972), (492, 21993), (537, 22101), (565, 22128), (571, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 40

Candidate Starts for Rem711_24:

(3, 17356), (9, 17629), (39, 17917), (Start: 40 @17926 has 2 MA's), (51, 17965), (189, 18217), (252, 18337), (327, 18451), (339, 18469), (356, 18499), (362, 18511), (468, 18691), (482, 18718), (621, 19018),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 76

Candidate Starts for Remus_29:

(Start: 76 @18083 has 20 MA's), (Start: 152 @18197 has 1 MA's), (Start: 154 @18203 has 2 MA's), (155, 18206), (284, 18440), (461, 18707), (493, 18761), (563, 18917),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Remy19_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Renaissance_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 21

Candidate Starts for Reptar3000_23:

(Start: 21 @17233 has 217 MA's), (27, 17251), (Start: 40 @17323 has 2 MA's), (48, 17353), (Start: 100 @17443 has 15 MA's), (104, 17452), (Start: 119 @17485 has 3 MA's), (140, 17509), (187, 17614), (274, 17767), (328, 17836), (334, 17842), (437, 17995), (465, 18013), (482, 18043), (500, 18085), (501, 18088), (601, 18295), (617, 18334), (622, 18352),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 72

Candidate Starts for Retro23_27:

(Start: 72 @19253 has 238 MA's), (118, 19328), (140, 19346), (155, 19382), (174, 19421), (301, 19628), (331, 19667), (334, 19670), (479, 19937), (517, 20039), (555, 20114), (563, 20126), (612, 20216), (613, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 80

Candidate Starts for RexFury_22:

(Start: 80 @15511 has 36 MA's), (Start: 100 @15550 has 15 MA's), (Start: 152 @15631 has 1 MA's), (Start: 154 @15637 has 2 MA's), (187, 15706), (241, 15784), (272, 15844), (334, 15922), (415,

16018), (517, 16147), (526, 16165), (555, 16222), (563, 16234), (585, 16276), (626, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 65

Candidate Starts for Rey_31:

(Start: 65 @22233 has 19 MA's), (74, 22242), (104, 22296), (Start: 129 @22335 has 24 MA's), (146, 22353), (Start: 152 @22368 has 1 MA's), (187, 22437), (331, 22665), (334, 22668), (393, 22779), (396, 22785), (483, 22926), (495, 22956), (513, 23007), (591, 23130),

Gene: Reyja_18 Start: 14313, Stop: 15155, Start Num: 142

Candidate Starts for Reyja_18:

(13, 13857), (14, 13935), (46, 14133), (113, 14274), (Start: 142 @14313 has 13 MA's), (174, 14382), (188, 14412), (198, 14433), (225, 14466), (247, 14508), (248, 14511), (345, 14652), (377, 14718), (469, 14850), (504, 14925), (538, 14979), (563, 15021), (600, 15087), (617, 15126),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Rhodalysa_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 68

Candidate Starts for Ribeye_34:

(Start: 68 @29836 has 45 MA's), (151, 29977), (156, 29992), (169, 30022), (176, 30034), (183, 30046), (188, 30061), (193, 30073), (204, 30100), (220, 30115), (239, 30142), (286, 30232), (316, 30268), (353, 30328), (386, 30364), (434, 30424), (496, 30514), (536, 30604), (548, 30628), (554, 30640), (594, 30706), (600, 30721), (611, 30745),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 21

Candidate Starts for Richo_22:

(Start: 21 @15375 has 217 MA's), (48, 15495), (Start: 100 @15585 has 15 MA's), (141, 15654), (186, 15753), (187, 15756), (244, 15855), (274, 15909), (336, 15990), (373, 16065), (390, 16080), (469, 16167), (482, 16191), (500, 16233), (501, 16236), (521, 16287), (536, 16326), (585, 16410), (596, 16428), (601, 16443), (617, 16482), (622, 16500),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 72

Candidate Starts for Rifter_30:

(Start: 72 @18949 has 238 MA's), (87, 18967), (104, 19003), (140, 19042), (188, 19147), (301, 19324), (331, 19363), (334, 19366), (376, 19453), (385, 19474), (495, 19672), (563, 19822), (568, 19831), (612, 19912),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 68

Candidate Starts for RiverRaider_34:

(Start: 68 @28121 has 45 MA's), (151, 28265), (156, 28280), (169, 28310), (176, 28322), (188, 28349), (193, 28361), (198, 28370), (239, 28430), (286, 28520), (316, 28556), (348, 28604), (353, 28616), (370, 28640), (373, 28646), (434, 28712), (496, 28802), (536, 28892), (548, 28916), (554, 28928), (556, 28934), (575, 28958), (615, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 70

Candidate Starts for RoadKill_29:

(Start: 70 @26072 has 24 MA's), (86, 26084), (Start: 99 @26111 has 9 MA's), (123, 26159), (156, 26213), (192, 26291), (237, 26387), (256, 26420), (274, 26459), (363, 26588), (377, 26621), (412, 26657), (514, 26843), (528, 26873), (541, 26900), (559, 26936), (580, 26969), (605, 27017), (616,

27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 79

Candidate Starts for Roary_23:

(Start: 79 @17600 has 49 MA's), (Start: 152 @17723 has 1 MA's), (Start: 154 @17729 has 2 MA's), (188, 17801), (258, 17906), (269, 17933), (334, 18023), (445, 18224), (460, 18254), (461, 18257), (555, 18467), (579, 18506), (603, 18554), (612, 18569),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 68

Candidate Starts for Rofo_34:

(Start: 68 @29848 has 45 MA's), (169, 30034), (176, 30046), (188, 30073), (198, 30094), (239, 30154), (284, 30241), (286, 30244), (316, 30280), (340, 30313), (348, 30328), (353, 30340), (373, 30370), (386, 30376), (434, 30436), (496, 30526), (536, 30616), (548, 30640), (554, 30652), (594, 30718), (611, 30757), (615, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 77

Candidate Starts for RogerDodger_33:

(Start: 77 @25794 has 29 MA's), (135, 25890), (166, 25959), (169, 25965), (183, 25989), (188, 26004), (316, 26214), (372, 26292), (417, 26337), (434, 26361), (464, 26400), (518, 26496), (536, 26538), (554, 26574), (598, 26649), (607, 26670), (624, 26721),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 72

Candidate Starts for Roksolana_30:

(Start: 72 @18977 has 238 MA's), (87, 18995), (104, 19031), (140, 19070), (188, 19175), (301, 19352), (331, 19391), (334, 19394), (376, 19481), (385, 19502), (461, 19628), (495, 19700), (563, 19850), (568, 19859), (612, 19940),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 62

Candidate Starts for RonRayGun_18:

(Start: 62 @16018 has 7 MA's), (85, 16045), (Start: 94 @16063 has 2 MA's), (195, 16240), (196, 16243), (241, 16318), (274, 16384), (288, 16411), (331, 16468), (337, 16477), (476, 16714), (487, 16738), (524, 16837), (531, 16858), (543, 16879), (566, 16918), (571, 16927),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 76

Candidate Starts for Rosalind_29:

(Start: 76 @18241 has 20 MA's), (Start: 152 @18355 has 1 MA's), (Start: 154 @18361 has 2 MA's), (155, 18364), (284, 18598), (461, 18865), (493, 18919), (563, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 75

Candidate Starts for Rose5_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 21

Candidate Starts for Rosmarinus_22:

(Start: 21 @16039 has 217 MA's), (48, 16156), (Start: 100 @16246 has 15 MA's), (108, 16267), (Start: 119 @16288 has 3 MA's), (141, 16315), (274, 16570), (336, 16651), (373, 16726), (390, 16741), (482, 16852), (500, 16894), (536, 16987), (548, 17011), (601, 17104), (617, 17143), (622, 17161),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 75

Candidate Starts for Rumpelstiltskin_17:

(Start: 75 @16080 has 61 MA's), (90, 16104), (104, 16134), (181, 16260), (227, 16332), (329, 16485), (331, 16488), (334, 16491), (350, 16521), (378, 16578), (393, 16602), (396, 16608), (448, 16677), (457, 16695), (469, 16716), (497, 16782), (519, 16845), (593, 16974), (600, 16986),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 21

Candidate Starts for Ruthiejr_22:

(Start: 21 @17121 has 217 MA's), (Start: 40 @17211 has 2 MA's), (48, 17241), (Start: 100 @17331 has 15 MA's), (Start: 119 @17373 has 3 MA's), (Start: 121 @17376 has 1 MA's), (132, 17388), (328, 17724), (334, 17730), (372, 17805), (437, 17883), (463, 17898), (482, 17931), (500, 17973), (501, 17976), (537, 18069), (601, 18183), (617, 18222), (622, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 47

Candidate Starts for Ruthy_18:

(Start: 47 @15266 has 17 MA's), (Start: 100 @15359 has 15 MA's), (Start: 119 @15401 has 3 MA's), (151, 15449), (187, 15527), (234, 15617), (246, 15641), (249, 15647), (287, 15719), (295, 15728), (297, 15731), (304, 15740), (337, 15782), (394, 15881), (439, 15950), (536, 16145), (583, 16223), (601, 16259), (616, 16295), (617, 16298),

Gene: RyeScarlet_29 Start: 20531, Stop: 21544, Start Num: 72

Candidate Starts for RyeScarlet_29:

(Start: 72 @20531 has 238 MA's), (87, 20549), (118, 20606), (140, 20624), (155, 20660), (258, 20840), (274, 20876), (301, 20906), (334, 20948), (421, 21107), (495, 21251), (517, 21314), (555, 21389), (563, 21401), (578, 21425),

Gene: Sachima_26 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for Sachima_26:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555, 21385), (563, 21397), (578, 21421),

Gene: Sahara_16 Start: 13936, Stop: 14784, Start Num: 120

Candidate Starts for Sahara_16:

(Start: 120 @13936 has 43 MA's), (Start: 130 @13945 has 36 MA's), (167, 14020), (171, 14026), (204, 14098), (216, 14113), (228, 14131), (253, 14164), (270, 14197), (334, 14284), (336, 14287), (340, 14296), (346, 14308), (353, 14323), (523, 14593), (615, 14749), (617, 14755),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 79

Candidate Starts for Saintus_23:

(Start: 79 @17615 has 49 MA's), (Start: 152 @17738 has 1 MA's), (Start: 154 @17744 has 2 MA's), (188, 17816), (258, 17921), (269, 17948), (334, 18038), (445, 18239), (460, 18269), (461, 18272), (555, 18482), (579, 18521), (603, 18569), (612, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 77

Candidate Starts for Salvador_30:

(Start: 77 @24918 has 29 MA's), (135, 25023), (166, 25092), (169, 25098), (183, 25122), (188, 25137), (434, 25497), (446, 25512), (458, 25530), (518, 25632), (536, 25674), (554, 25710), (598, 25785), (607, 25806), (624, 25857),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 72

Candidate Starts for Salz_27:

(Start: 72 @19727 has 238 MA's), (104, 19784), (Start: 152 @19859 has 1 MA's), (224, 19988), (258, 20048), (293, 20108), (301, 20114), (334, 20156), (357, 20201), (360, 20207), (408, 20291), (431, 20324), (563, 20606), (568, 20615), (578, 20630), (612, 20696),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 21

Candidate Starts for SamScheppers_21:

(Start: 21 @17028 has 217 MA's), (27, 17046), (Start: 40 @17118 has 2 MA's), (48, 17148), (Start: 100 @17238 has 15 MA's), (Start: 119 @17280 has 3 MA's), (140, 17304), (187, 17409), (274, 17562), (328, 17631), (334, 17637), (437, 17790), (465, 17808), (482, 17838), (500, 17880), (501, 17883), (596, 18075), (601, 18090), (617, 18129), (622, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 100

Candidate Starts for Samba_18:

(Start: 100 @15871 has 15 MA's), (188, 16027), (236, 16108), (267, 16165), (271, 16174), (292, 16207), (366, 16315), (437, 16399), (488, 16465), (490, 16471), (564, 16600), (592, 16642),

Gene: Samman98_19 Start: 16504, Stop: 17340, Start Num: 120

Candidate Starts for Samman98_19:

(Start: 120 @16504 has 43 MA's), (Start: 130 @16513 has 36 MA's), (Start: 154 @16555 has 2 MA's), (167, 16588), (176, 16603), (199, 16651), (239, 16714), (242, 16720), (268, 16759), (305, 16813), (336, 16852), (338, 16858), (360, 16894), (386, 16924), (402, 16933), (495, 17083), (597, 17260),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 70

Candidate Starts for Sampson_34:

(Start: 70 @29722 has 24 MA's), (116, 29797), (123, 29809), (149, 29845), (165, 29881), (209, 29983), (237, 30037), (274, 30109), (321, 30172), (326, 30181), (363, 30238), (377, 30271), (411, 30304), (412, 30307), (455, 30364), (501, 30460), (514, 30493), (517, 30502), (528, 30523), (541, 30550), (552, 30571), (556, 30580), (559, 30586), (580, 30619), (582, 30622), (609, 30676), (616, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 75

Candidate Starts for Samty_18:

(Start: 75 @16493 has 61 MA's), (90, 16517), (Start: 110 @16562 has 1 MA's), (118, 16577), (141, 16598), (188, 16694), (274, 16829), (280, 16838), (331, 16898), (334, 16901), (337, 16907), (375, 16979), (393, 17012), (448, 17087), (476, 17141), (485, 17162), (503, 17213), (519, 17255), (593, 17366), (595, 17369),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 21

Candidate Starts for SamuelLPlaqson_22:

(Start: 21 @15965 has 217 MA's), (48, 16082), (Start: 100 @16172 has 15 MA's), (108, 16193), (Start: 119 @16214 has 3 MA's), (141, 16241), (244, 16442), (274, 16496), (277, 16502), (336, 16577), (373, 16652), (390, 16667), (500, 16820), (536, 16913), (548, 16937), (601, 17030), (617, 17069), (622, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 68

Candidate Starts for Sanjuju_32:

(Start: 68 @30017 has 45 MA's), (169, 30203), (176, 30215), (188, 30242), (198, 30263), (239, 30323), (284, 30410), (286, 30413), (316, 30449), (340, 30482), (348, 30497), (353, 30509), (373, 30539), (386, 30545), (434, 30605), (496, 30695), (536, 30785), (548, 30809), (554, 30821), (594, 30887), (615, 30938),

Gene: Santhid_17 Start: 14146, Stop: 14988, Start Num: 142

Candidate Starts for Santhid_17:

(113, 14107), (Start: 142 @14146 has 13 MA's), (174, 14215), (188, 14245), (198, 14266), (225, 14299), (248, 14344), (377, 14551), (469, 14683), (538, 14812), (563, 14854), (597, 14914), (600, 14920), (617, 14959),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 101

Candidate Starts for Sapo_15:

(Start: 101 @13755 has 1 MA's), (Start: 121 @13791 has 1 MA's), (151, 13827), (242, 13995), (243, 13998), (315, 14118), (340, 14148), (366, 14196), (368, 14199), (370, 14202), (404, 14226), (446, 14286), (499, 14373), (601, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 68

Candidate Starts for Saronaya_33:

(Start: 68 @28679 has 45 MA's), (151, 28820), (169, 28865), (176, 28877), (183, 28889), (188, 28904), (193, 28916), (204, 28943), (220, 28958), (239, 28985), (286, 29075), (316, 29111), (353, 29171), (386, 29207), (434, 29267), (496, 29357), (536, 29447), (548, 29471), (554, 29483), (594, 29549), (600, 29564), (611, 29588), (615, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 75

Candidate Starts for Sarshaun_17:

(Start: 75 @16107 has 61 MA's), (104, 16161), (181, 16287), (227, 16359), (329, 16512), (331, 16515), (334, 16518), (350, 16548), (378, 16605), (393, 16629), (396, 16635), (448, 16704), (457, 16722), (469, 16743), (492, 16797), (497, 16809), (519, 16872), (593, 17001), (600, 17013),

Gene: Savage_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Savage_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 77

Candidate Starts for Savbucketdawg_30:

(Start: 77 @24699 has 29 MA's), (135, 24804), (166, 24873), (169, 24879), (183, 24903), (188, 24918), (434, 25278), (446, 25293), (458, 25311), (518, 25413), (536, 25455), (554, 25491), (607, 25587), (624, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 21

Candidate Starts for Scarlett_21:

(Start: 21 @15263 has 217 MA's), (48, 15380), (Start: 54 @15398 has 2 MA's), (108, 15491), (141, 15539), (244, 15740), (274, 15794), (309, 15839), (323, 15860), (355, 15914), (372, 15947), (390, 15965), (500, 16118), (501, 16121), (521, 16172), (536, 16211), (601, 16328), (617, 16367), (622, 16385),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 72

Candidate Starts for Scherzo_28:

(Start: 72 @20560 has 238 MA's), (87, 20578), (118, 20635), (140, 20653), (155, 20689), (258, 20869), (274, 20905), (301, 20935), (334, 20977), (421, 21136), (495, 21280), (517, 21343), (555, 21418), (563, 21430), (578, 21454),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Schiebel_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 68

Candidate Starts for SchottB_32:

(Start: 68 @29694 has 45 MA's), (169, 29880), (176, 29892), (183, 29904), (188, 29919), (193, 29931), (204, 29958), (220, 29973), (239, 30000), (286, 30090), (316, 30126), (353, 30186), (370, 30210), (386, 30222), (434, 30282), (496, 30372), (548, 30486), (554, 30498), (594, 30564), (600, 30579), (611, 30603), (615, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 70

Candidate Starts for Scioto_34:

(Start: 70 @29777 has 24 MA's), (116, 29852), (123, 29864), (149, 29900), (165, 29936), (209, 30038), (237, 30092), (274, 30164), (321, 30227), (326, 30236), (363, 30293), (377, 30326), (411, 30359), (412, 30362), (455, 30419), (501, 30515), (514, 30548), (517, 30557), (528, 30578), (541, 30605), (552, 30626), (556, 30635), (559, 30641), (580, 30674), (582, 30677), (609, 30731), (616, 30743),

Gene: Scorpia_24 Start: 17939, Stop: 18952, Start Num: 79

Candidate Starts for Scorpia_24:

(Start: 79 @17939 has 49 MA's), (Start: 154 @18068 has 2 MA's), (155, 18071), (174, 18110), (258, 18245), (272, 18275), (293, 18305), (301, 18311), (317, 18329), (334, 18353), (355, 18395), (563, 18809), (612, 18899),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 68

Candidate Starts for Sedona_34:

(Start: 68 @30954 has 45 MA's), (169, 31140), (176, 31152), (188, 31179), (286, 31350), (316, 31386), (340, 31419), (348, 31434), (353, 31446), (373, 31476), (386, 31482), (434, 31542), (496, 31632), (536, 31722), (548, 31746), (554, 31758), (594, 31824), (600, 31839), (611, 31863), (615, 31875),

Gene: Sekhmet_19 Start: 16864, Stop: 17700, Start Num: 120

Candidate Starts for Sekhmet_19:

(Start: 120 @16864 has 43 MA's), (Start: 130 @16873 has 36 MA's), (Start: 154 @16915 has 2 MA's), (167, 16948), (176, 16963), (199, 17011), (228, 17059), (239, 17074), (242, 17080), (268, 17119), (305, 17173), (336, 17212), (338, 17218), (360, 17254), (386, 17284), (402, 17293), (495, 17443), (533, 17533), (597, 17620),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 72

Candidate Starts for SemperFi_29:

(Start: 72 @19522 has 238 MA's), (118, 19597), (140, 19615), (155, 19651), (174, 19690), (301, 19897), (331, 19936), (334, 19939), (479, 20206), (517, 20308), (555, 20383), (563, 20395), (612, 20485),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 72

Candidate Starts for Sephiroth_27:

(Start: 72 @21043 has 238 MA's), (82, 21058), (254, 21349), (317, 21451), (329, 21469), (334, 21475), (393, 21586), (396, 21592), (430, 21640), (474, 21718), (475, 21721), (476, 21724), (495, 21772), (514, 21826), (534, 21868), (566, 21904), (567, 21907), (577, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 72

Candidate Starts for Serenity_26:

(Start: 72 @18134 has 238 MA's), (104, 18188), (118, 18209), (140, 18227), (174, 18302), (274, 18479), (301, 18509), (331, 18548), (334, 18551), (357, 18596), (461, 18779), (517, 18914), (555, 18989), (563, 19001),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for SgtBeansprout_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for ShaboiShabazz_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 21

Candidate Starts for Shadow1_20:

(Start: 21 @15075 has 217 MA's), (48, 15195), (Start: 100 @15285 has 15 MA's), (141, 15354), (244, 15555), (336, 15690), (337, 15693), (372, 15762), (390, 15780), (436, 15840), (465, 15861), (482, 15891), (500, 15933), (501, 15936), (502, 15939), (536, 16026), (548, 16050), (596, 16128), (601, 16143), (617, 16182), (622, 16200),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 72

Candidate Starts for Sham4_27:

(Start: 72 @19733 has 238 MA's), (104, 19790), (Start: 152 @19865 has 1 MA's), (224, 19994), (258, 20054), (293, 20114), (301, 20120), (334, 20162), (357, 20207), (360, 20213), (408, 20297), (431, 20330), (563, 20612), (568, 20621), (578, 20636), (612, 20702),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 21

Candidate Starts for Shaobing_22:

(Start: 21 @15375 has 217 MA's), (48, 15495), (Start: 100 @15585 has 15 MA's), (141, 15654), (186, 15753), (187, 15756), (244, 15855), (274, 15909), (336, 15990), (373, 16065), (390, 16080), (469, 16167), (482, 16191), (500, 16233), (501, 16236), (521, 16287), (536, 16326), (585, 16410), (596, 16428), (601, 16443), (617, 16482), (622, 16500),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 76

Candidate Starts for ShayRa_30:

(Start: 76 @18241 has 20 MA's), (Start: 152 @18355 has 1 MA's), (Start: 154 @18361 has 2 MA's), (155, 18364), (284, 18598), (461, 18865), (493, 18919), (563, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 72

Candidate Starts for SheaKeira_27:

(Start: 72 @18709 has 238 MA's), (87, 18727), (104, 18763), (118, 18784), (140, 18802), (155, 18838), (224, 18958), (258, 19018), (274, 19054), (301, 19084), (334, 19126), (413, 19276), (470, 19372), (474, 19378), (555, 19576), (563, 19588), (568, 19597), (578, 19612), (612, 19678),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 21

Candidate Starts for ShedlockHolmes_21:

(Start: 21 @16440 has 217 MA's), (48, 16563), (Start: 80 @16626 has 36 MA's), (88, 16632), (104, 16662), (176, 16800), (186, 16821), (188, 16827), (220, 16884), (244, 16923), (263, 16953), (323, 17040), (346, 17076), (465, 17223), (482, 17253), (488, 17262), (500, 17295), (501, 17298), (502, 17301), (536, 17388), (586, 17475), (615, 17538), (617, 17544),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 110

Candidate Starts for Sheng711_17:

(Start: 75 @15692 has 61 MA's), (90, 15716), (Start: 103 @15743 has 1 MA's), (104, 15746), (Start: 110 @15761 has 1 MA's), (141, 15794), (188, 15890), (274, 16025), (280, 16034), (331, 16094), (334, 16097), (375, 16175), (381, 16190), (396, 16214), (426, 16247), (448, 16283), (460, 16307), (470, 16325), (475, 16334), (492, 16376), (501, 16403), (519, 16451), (534, 16478), (593, 16562),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for ShiaSurprise_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 77

Candidate Starts for Shinji_30:

(Start: 77 @24894 has 29 MA's), (135, 24999), (166, 25068), (169, 25074), (183, 25098), (188, 25113), (434, 25473), (446, 25488), (458, 25506), (518, 25608), (536, 25650), (554, 25686), (607, 25782), (624, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 68

Candidate Starts for Shivanishola_35:

(Start: 68 @29916 has 45 MA's), (169, 30102), (176, 30114), (188, 30141), (286, 30312), (316, 30348), (340, 30381), (348, 30396), (353, 30408), (373, 30438), (386, 30444), (434, 30504), (496, 30594), (536, 30684), (548, 30708), (554, 30720), (594, 30786), (600, 30801), (611, 30825), (615, 30837),

Gene: Shlim410_19 Start: 17069, Stop: 17905, Start Num: 120

Candidate Starts for Shlim410_19:

(Start: 120 @17069 has 43 MA's), (Start: 130 @17078 has 36 MA's), (Start: 154 @17120 has 2 MA's), (167, 17153), (176, 17168), (199, 17216), (239, 17279), (242, 17285), (268, 17324), (305, 17378), (315, 17393), (336, 17417), (338, 17423), (360, 17459), (386, 17489), (402, 17498), (495, 17648), (533, 17738), (597, 17825),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Shuman_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (517, 16116), (526, 16134), (563, 16203), (626, 16341),

Gene: Sidious_18 Start: 16465, Stop: 17292, Start Num: 130

Candidate Starts for Sidious_18:

(Start: 130 @16465 has 36 MA's), (236, 16660), (239, 16666), (246, 16681), (264, 16702), (285, 16744), (302, 16762), (338, 16810), (360, 16846), (365, 16855), (451, 16960), (495, 17035), (579, 17179), (597, 17212), (613, 17251),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 75

Candidate Starts for Silverleaf_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 21

Candidate Starts for SirPhilip_21:

(Start: 21 @14868 has 217 MA's), (48, 14985), (108, 15096), (141, 15144), (187, 15246), (188, 15249), (244, 15345), (274, 15399), (323, 15462), (334, 15474), (372, 15549), (390, 15567), (437, 15630), (469, 15654), (484, 15681), (500, 15720), (501, 15723), (536, 15813), (586, 15900), (601, 15930), (613, 15957), (617, 15969), (622, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 68

Candidate Starts for Sitar_34:

(Start: 68 @31006 has 45 MA's), (169, 31192), (176, 31204), (188, 31231), (198, 31252), (239, 31312), (284, 31399), (286, 31402), (316, 31438), (340, 31471), (348, 31486), (353, 31498), (373, 31528), (386, 31534), (434, 31594), (496, 31684), (536, 31774), (548, 31798), (554, 31810), (594, 31876), (615, 31927), (624, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 84

Candidate Starts for Sixama_98:

(Start: 84 @58478 has 5 MA's), (93, 58493), (Start: 99 @58505 has 9 MA's), (Start: 152 @58601 has 1 MA's), (153, 58604), (162, 58625), (296, 58883), (318, 58913), (337, 58931), (342, 58940), (463, 59126), (486, 59168), (513, 59240), (514, 59243), (515, 59246), (528, 59273), (537, 59291), (548, 59312), (559, 59336), (587, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 21

Candidate Starts for Sizemore_17:

(6, 15145), (Start: 21 @15478 has 217 MA's), (48, 15598), (Start: 54 @15616 has 2 MA's), (Start: 80 @15661 has 36 MA's), (88, 15667), (118, 15730), (144, 15766), (175, 15835), (176, 15838), (186, 15859), (215, 15913), (244, 15958), (263, 15988), (334, 16090), (340, 16102), (346, 16114), (355, 16132), (465, 16297), (482, 16327), (493, 16345), (500, 16369), (549, 16489), (601, 16579), (615, 16612),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 65

Candidate Starts for Skinny_28:

(Start: 65 @21457 has 19 MA's), (Start: 129 @21559 has 24 MA's), (146, 21577), (Start: 152 @21592 has 1 MA's), (188, 21664), (192, 21673), (247, 21751), (329, 21886), (331, 21889), (334, 21892), (371, 21961), (393, 22003), (396, 22009), (483, 22150), (492, 22171), (497, 22183), (565, 22306), (571, 22318),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 129

Candidate Starts for Skysand_42:

(Start: 129 @29992 has 24 MA's), (176, 30070), (225, 30145), (282, 30253), (341, 30337), (444, 30517), (447, 30523), (536, 30739), (563, 30778), (604, 30853), (610, 30865), (613, 30874), (619, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 21

Candidate Starts for Slarp_23:

(Start: 21 @17500 has 217 MA's), (27, 17518), (Start: 40 @17590 has 2 MA's), (48, 17620), (Start: 100 @17710 has 15 MA's), (Start: 119 @17752 has 3 MA's), (140, 17776), (187, 17881), (274, 18034), (328, 18103), (334, 18109), (437, 18262), (465, 18280), (482, 18310), (500, 18352), (501, 18355), (601, 18562), (617, 18601), (622, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 89

Candidate Starts for Sleepyhead_17:

(35, 14705), (37, 14714), (Start: 89 @14846 has 1 MA's), (112, 14897), (116, 14903), (Start: 121 @14912 has 1 MA's), (157, 14972), (351, 15296), (359, 15308), (365, 15320), (368, 15326), (407, 15359), (419, 15380), (462, 15428), (499, 15494), (500, 15497), (508, 15503), (545, 15581), (553, 15596), (613, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 65

Candidate Starts for SlimJimmy_26:

(Start: 65 @21443 has 19 MA's), (Start: 129 @21545 has 24 MA's), (146, 21563), (Start: 152 @21578 has 1 MA's), (188, 21650), (192, 21659), (247, 21737), (329, 21872), (331, 21875), (334, 21878), (371, 21947), (393, 21989), (396, 21995), (483, 22136), (492, 22157), (497, 22169), (565, 22292), (571, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 21

Candidate Starts for Slimphazie_22:

(Start: 21 @16018 has 217 MA's), (48, 16135), (Start: 100 @16225 has 15 MA's), (108, 16246), (Start: 119 @16267 has 3 MA's), (141, 16294), (274, 16549), (336, 16630), (373, 16705), (390, 16720), (482, 16831), (500, 16873), (536, 16966), (548, 16990), (601, 17083), (617, 17122), (622, 17140),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 79

Candidate Starts for Smeadley_23:

(Start: 79 @17633 has 49 MA's), (Start: 152 @17756 has 1 MA's), (Start: 154 @17762 has 2 MA's), (188, 17834), (258, 17939), (269, 17966), (334, 18056), (445, 18257), (460, 18287), (461, 18290), (555, 18500), (579, 18539), (603, 18587), (612, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 72

Candidate Starts for Smeagan_29:

(Start: 72 @19679 has 238 MA's), (118, 19754), (140, 19772), (155, 19808), (174, 19847), (301, 20054), (331, 20093), (334, 20096), (376, 20183), (479, 20363), (517, 20465), (555, 20540), (563, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 72

Candidate Starts for SmellyB_30:

(Start: 72 @18966 has 238 MA's), (104, 19020), (140, 19059), (188, 19164), (274, 19311), (301, 19341), (331, 19380), (334, 19383), (357, 19428), (385, 19488), (495, 19686), (563, 19836), (568, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 77

Candidate Starts for SmokingBunny_30:

(Start: 77 @24909 has 29 MA's), (135, 25014), (166, 25083), (169, 25089), (183, 25113), (188, 25128), (434, 25488), (446, 25503), (458, 25521), (518, 25623), (536, 25665), (554, 25701), (607, 25797), (624, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 96

Candidate Starts for Smoothie_48:

(Start: 96 @28706 has 9 MA's), (Start: 99 @28712 has 9 MA's), (Start: 130 @28760 has 36 MA's), (150, 28787), (185, 28859), (220, 28925), (239, 28955), (302, 29063), (365, 29156), (388, 29180), (407, 29195), (473, 29291), (499, 29339), (599, 29519), (614, 29555),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 72

Candidate Starts for SnapTap_27:

(Start: 72 @19105 has 238 MA's), (118, 19180), (140, 19198), (155, 19234), (174, 19273), (301, 19480), (331, 19519), (334, 19522), (479, 19789), (517, 19891), (555, 19966), (563, 19978), (612, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 72

Candidate Starts for Snape_27:

(Start: 72 @19733 has 238 MA's), (104, 19790), (Start: 152 @19865 has 1 MA's), (224, 19994), (258, 20054), (293, 20114), (301, 20120), (334, 20162), (357, 20207), (360, 20213), (408, 20297), (431, 20330), (563, 20612), (568, 20621), (578, 20636), (612, 20702),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 21

Candidate Starts for Sneeze_17:

(4, 15082), (6, 15142), (Start: 21 @15478 has 217 MA's), (48, 15604), (Start: 54 @15622 has 2 MA's), (Start: 80 @15667 has 36 MA's), (88, 15673), (118, 15736), (144, 15772), (175, 15841), (176, 15844), (186, 15865), (215, 15919), (263, 15994), (334, 16096), (340, 16108), (465, 16303), (482, 16333), (493, 16351), (500, 16375), (540, 16477), (549, 16495), (601, 16585), (615, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 75

Candidate Starts for Snenia_18:

(Start: 75 @16491 has 61 MA's), (90, 16515), (Start: 110 @16560 has 1 MA's), (118, 16575), (141, 16596), (188, 16692), (274, 16827), (280, 16836), (331, 16896), (334, 16899), (337, 16905), (375, 16977), (393, 17010), (401, 17022), (448, 17085), (476, 17139), (485, 17160), (503, 17211), (519, 17253), (593, 17364), (595, 17367),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 26

Candidate Starts for SoSeph_20:

(Start: 26 @16471 has 22 MA's), (Start: 80 @16645 has 36 MA's), (118, 16711), (Start: 119 @16714 has 3 MA's), (141, 16741), (186, 16840), (244, 16942), (274, 16996), (298, 17026), (323, 17062), (325, 17065), (334, 17074), (372, 17149), (373, 17152), (412, 17188), (437, 17230), (465, 17248), (469, 17254), (482, 17278), (484, 17281), (488, 17287), (500, 17320), (601, 17530), (617, 17569), (622, 17587),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 75

Candidate Starts for Soap141_17:

(Start: 75 @16107 has 61 MA's), (104, 16161), (181, 16287), (227, 16359), (329, 16512), (331, 16515), (334, 16518), (350, 16548), (378, 16605), (393, 16629), (396, 16635), (448, 16704), (457, 16722), (469, 16743), (492, 16797), (497, 16809), (519, 16872), (593, 17001), (600, 17013),

Gene: SoilAssassin_16 Start: 13903, Stop: 14751, Start Num: 120

Candidate Starts for SoilAssassin_16:

(Start: 120 @13903 has 43 MA's), (127, 13909), (196, 14044), (253, 14131), (270, 14164), (334, 14251), (336, 14254), (346, 14275), (360, 14299), (386, 14332), (520, 14554), (523, 14560), (617, 14722),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 72

Candidate Starts for SororFago_26:

(Start: 72 @18177 has 238 MA's), (87, 18195), (104, 18231), (118, 18252), (140, 18270), (195, 18390), (274, 18522), (301, 18552), (331, 18591), (334, 18594), (454, 18804), (470, 18840), (495, 18906), (563, 19056), (578, 19080),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 76

Candidate Starts for Soups_29:

(Start: 76 @18241 has 20 MA's), (Start: 152 @18355 has 1 MA's), (Start: 154 @18361 has 2 MA's), (155, 18364), (284, 18598), (461, 18865), (493, 18919), (563, 19075),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 54

Candidate Starts for Sparky_15:

(Start: 54 @15127 has 2 MA's), (57, 15136), (Start: 75 @15166 has 61 MA's), (111, 15235), (Start: 122 @15256 has 2 MA's), (192, 15376), (196, 15385), (241, 15472), (274, 15538), (334, 15625), (337,

15631), (378, 15715), (393, 15739), (394, 15742), (503, 15940), (507, 15952), (524, 15991), (543, 16018), (551, 16033), (600, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 96

Candidate Starts for SpeedDemon_310:

(Start: 96 @28038 has 9 MA's), (Start: 110 @28059 has 1 MA's), (150, 28113), (185, 28185), (188, 28194), (259, 28314), (283, 28365), (292, 28374), (321, 28410), (365, 28482), (368, 28488), (473, 28617), (499, 28665), (536, 28740), (564, 28788),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Spock_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 72

Candidate Starts for Spouty_28:

(Start: 72 @20557 has 238 MA's), (87, 20575), (118, 20632), (140, 20650), (155, 20686), (258, 20866), (274, 20902), (301, 20932), (334, 20974), (421, 21133), (495, 21277), (517, 21340), (555, 21415), (563, 21427), (578, 21451),

Gene: Sproutie_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Sproutie_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for StCroix_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 129

Candidate Starts for StarStruck_41:

(Start: 129 @29510 has 24 MA's), (176, 29597), (192, 29633), (225, 29672), (444, 30041), (505, 30185), (563, 30302), (613, 30398), (615, 30404), (619, 30419),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for StarStuff_30:

(Start: 72 @19042 has 238 MA's), (104, 19096), (118, 19117), (140, 19135), (235, 19306), (272, 19381), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 21

Candidate Starts for Stargaze_17:

(Start: 21 @15800 has 217 MA's), (Start: 54 @15944 has 2 MA's), (88, 15995), (Start: 119 @16061 has 3 MA's), (Start: 121 @16064 has 1 MA's), (175, 16163), (176, 16166), (187, 16190), (211, 16235), (215, 16241), (340, 16430), (371, 16490), (453, 16598), (456, 16610), (482, 16655), (500, 16697), (583, 16871), (585, 16874), (596, 16892), (613, 16934), (615, 16940),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 72

Candidate Starts for Steamy_28:

(Start: 72 @20226 has 238 MA's), (118, 20301), (140, 20319), (155, 20355), (174, 20394), (188, 20424), (301, 20601), (334, 20643), (376, 20730), (511, 20997), (563, 21099),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 79

Candidate Starts for Stephig9_23:

(Start: 79 @17614 has 49 MA's), (Start: 152 @17737 has 1 MA's), (Start: 154 @17743 has 2 MA's), (188, 17815), (258, 17920), (272, 17950), (334, 18037), (398, 18157), (445, 18238), (460, 18268), (461, 18271), (511, 18391), (555, 18481), (579, 18520), (603, 18568), (612, 18583),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 115

Candidate Starts for Stickynote_32:

(Start: 115 @27883 has 8 MA's), (139, 27907), (158, 27952), (187, 28012), (218, 28051), (269, 28147), (368, 28309), (381, 28342), (444, 28417), (455, 28441), (511, 28516), (539, 28582), (563, 28618), (608, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 21

Candidate Starts for Stinson_22:

(Start: 21 @15984 has 217 MA's), (48, 16101), (108, 16212), (Start: 119 @16233 has 3 MA's), (141, 16260), (187, 16362), (274, 16515), (336, 16596), (373, 16671), (390, 16686), (482, 16797), (500, 16839), (536, 16932), (548, 16956), (601, 17049), (617, 17088), (622, 17106),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 68

Candidate Starts for StorminNorm_33:

(Start: 68 @28561 has 45 MA's), (169, 28747), (176, 28759), (183, 28771), (188, 28786), (193, 28798), (204, 28825), (220, 28840), (239, 28867), (286, 28957), (316, 28993), (353, 29053), (370, 29077), (386, 29089), (434, 29149), (496, 29239), (548, 29353), (554, 29365), (594, 29431), (600, 29446), (611, 29470), (615, 29482),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 23

Candidate Starts for Strobilo_18:

(Start: 23 @13892 has 10 MA's), (27, 13901), (48, 14003), (Start: 100 @14093 has 15 MA's), (Start: 119 @14135 has 3 MA's), (Start: 121 @14138 has 1 MA's), (141, 14162), (186, 14261), (220, 14324), (244, 14363), (274, 14417), (323, 14483), (334, 14495), (360, 14546), (372, 14570), (437, 14648), (465, 14666), (482, 14696), (488, 14705), (500, 14738), (501, 14741), (548, 14855), (596, 14933), (601, 14948), (617, 14987), (622, 15005),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 76

Candidate Starts for Strosahl_29:

(Start: 76 @18083 has 20 MA's), (Start: 152 @18197 has 1 MA's), (Start: 154 @18203 has 2 MA's), (155, 18206), (284, 18440), (461, 18707), (493, 18761), (563, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 68

Candidate Starts for Stultus_32:

(Start: 68 @28933 has 45 MA's), (169, 29119), (176, 29131), (188, 29158), (198, 29179), (239, 29239), (284, 29326), (286, 29329), (316, 29365), (340, 29398), (348, 29413), (353, 29425), (373, 29455), (386, 29461), (434, 29521), (496, 29611), (536, 29701), (548, 29725), (554, 29737), (594, 29803), (611, 29842), (615, 29854), (624, 29884),

Gene: Suerte_17 Start: 15987, Stop: 16814, Start Num: 130

Candidate Starts for Suerte_17:

(Start: 130 @15987 has 36 MA's), (167, 16062), (199, 16125), (212, 16149), (239, 16188), (242, 16194), (268, 16233), (285, 16266), (305, 16287), (331, 16320), (334, 16323), (336, 16326), (360, 16368), (386, 16398), (402, 16407), (451, 16482), (495, 16557), (533, 16647),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 137

Candidate Starts for Sukkupi_42:

(Start: 137 @28532 has 8 MA's), (176, 28613), (196, 28658), (248, 28727), (349, 28895), (390, 28979), (417, 29030), (447, 29063), (528, 29261), (536, 29279), (563, 29321), (611, 29411), (613, 29417), (619, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 21

Candidate Starts for Sulley_22:

(Start: 21 @15984 has 217 MA's), (48, 16101), (Start: 100 @16191 has 15 MA's), (108, 16212), (Start: 119 @16233 has 3 MA's), (141, 16260), (274, 16515), (336, 16596), (373, 16671), (390, 16686), (482, 16797), (500, 16839), (536, 16932), (548, 16956), (601, 17049), (617, 17088), (622, 17106),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 21

Candidate Starts for Sunflower1121_20:

(Start: 21 @15087 has 217 MA's), (48, 15207), (Start: 100 @15297 has 15 MA's), (141, 15366), (244, 15567), (336, 15702), (337, 15705), (372, 15774), (390, 15792), (436, 15852), (465, 15873), (482, 15903), (500, 15945), (501, 15948), (502, 15951), (536, 16038), (548, 16062), (596, 16140), (601, 16155), (617, 16194), (622, 16212),

Gene: Sunhee_25 Start: 18210, Stop: 19235, Start Num: 66

Candidate Starts for Sunhee_25:

(66, 18210), (140, 18306), (155, 18342), (156, 18345), (258, 18522), (274, 18558), (301, 18588), (334, 18630), (357, 18675), (385, 18735), (470, 18876), (474, 18882), (563, 19092), (578, 19116), (612, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 72

Candidate Starts for SuperAwesome_30:

(Start: 72 @18959 has 238 MA's), (104, 19013), (140, 19052), (188, 19157), (274, 19304), (301, 19334), (331, 19373), (334, 19376), (357, 19421), (385, 19481), (495, 19679), (563, 19829), (568, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 72

Candidate Starts for SuperCallie99_30:

(Start: 72 @18958 has 238 MA's), (104, 19012), (140, 19051), (188, 19156), (274, 19303), (301, 19333), (331, 19372), (334, 19375), (357, 19420), (385, 19480), (495, 19678), (563, 19828), (568, 19837),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 131

Candidate Starts for SuperSulley_41:

(Start: 131 @29704 has 11 MA's), (176, 29785), (192, 29821), (254, 29911), (282, 29968), (417, 30202), (444, 30229), (470, 30280), (505, 30373), (563, 30490), (613, 30586), (615, 30592), (619, 30607),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 72

Candidate Starts for Superchunk_26:

(Start: 72 @17822 has 238 MA's), (Start: 133 @17915 has 1 MA's), (144, 17930), (155, 17957), (301, 18203), (331, 18242), (334, 18245), (357, 18290), (408, 18380), (461, 18473), (479, 18506), (517, 18608), (543, 18659), (555, 18683), (563, 18695), (578, 18719), (612, 18785),

Gene: Suscepit_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Suscepit_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for Swann_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 72

Candidate Starts for SweetiePie_27:

(Start: 72 @19105 has 238 MA's), (118, 19180), (140, 19198), (155, 19234), (174, 19273), (301, 19480), (331, 19519), (334, 19522), (479, 19789), (517, 19891), (555, 19966), (563, 19978), (612, 20068),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 21

Candidate Starts for Sweets_17:

(6, 15139), (Start: 21 @15472 has 217 MA's), (48, 15592), (Start: 54 @15610 has 2 MA's), (Start: 80 @15655 has 36 MA's), (88, 15661), (118, 15724), (144, 15760), (175, 15829), (176, 15832), (186, 15853), (215, 15907), (244, 15952), (263, 15982), (334, 16084), (340, 16096), (346, 16108), (355, 16126), (465, 16291), (482, 16321), (493, 16339), (500, 16363), (549, 16483), (601, 16573), (615, 16606),

Gene: SwirlSquare_29 Start: 17991, Stop: 19001, Start Num: 72

Candidate Starts for SwirlSquare_29:

(Start: 72 @17991 has 238 MA's), (118, 18066), (140, 18084), (301, 18366), (331, 18405), (334, 18408), (408, 18543), (461, 18636), (555, 18846), (563, 18858), (578, 18882), (612, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 79

Candidate Starts for Swirley_23:

(Start: 79 @18624 has 49 MA's), (140, 18720), (Start: 154 @18753 has 2 MA's), (155, 18756), (174, 18795), (258, 18930), (293, 18990), (301, 18996), (317, 19014), (334, 19038), (355, 19080), (511, 19392), (563, 19494), (612, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 76

Candidate Starts for Switzerland_29:

(Start: 76 @18234 has 20 MA's), (Start: 152 @18348 has 1 MA's), (Start: 154 @18354 has 2 MA's), (155, 18357), (284, 18591), (461, 18858), (493, 18912), (563, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 79

Candidate Starts for SydNat_23:

(Start: 79 @18826 has 49 MA's), (140, 18922), (Start: 154 @18955 has 2 MA's), (155, 18958), (174, 18997), (196, 19045), (301, 19198), (317, 19216), (334, 19240), (355, 19282), (511, 19594), (563, 19696), (579, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 72

Candidate Starts for Syleon_27:

(Start: 72 @20965 has 238 MA's), (82, 20980), (254, 21271), (317, 21373), (329, 21391), (334, 21397), (393, 21508), (396, 21514), (430, 21562), (474, 21640), (475, 21643), (476, 21646), (495, 21694), (514, 21748), (534, 21790), (566, 21826), (567, 21829), (577, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 21

Candidate Starts for Syra333_21:

(Start: 21 @15182 has 217 MA's), (48, 15302), (Start: 100 @15392 has 15 MA's), (141, 15461), (244, 15662), (274, 15716), (372, 15869), (390, 15887), (465, 15968), (488, 16007), (500, 16040), (536, 16133), (548, 16157), (596, 16235), (601, 16250), (617, 16289), (622, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 21

Candidate Starts for TBond007_21:

(Start: 21 @16221 has 217 MA's), (48, 16344), (Start: 80 @16407 has 36 MA's), (88, 16413), (104, 16443), (Start: 119 @16476 has 3 MA's), (176, 16581), (186, 16602), (188, 16608), (220, 16665), (263, 16734), (323, 16821), (346, 16857), (465, 17004), (482, 17034), (488, 17043), (500, 17076), (501, 17079), (502, 17082), (536, 17169), (586, 17256), (615, 17319), (617, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 21

Candidate Starts for TClif_21:

(Start: 21 @15218 has 217 MA's), (48, 15335), (Start: 80 @15398 has 36 MA's), (141, 15494), (186, 15593), (187, 15596), (244, 15695), (372, 15902), (373, 15905), (437, 15983), (500, 16073), (502, 16079), (536, 16166), (601, 16283), (613, 16310), (617, 16322), (622, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 23

Candidate Starts for TM4_18:

(Start: 23 @13970 has 10 MA's), (27, 13979), (48, 14081), (Start: 100 @14171 has 15 MA's), (Start: 119 @14213 has 3 MA's), (Start: 121 @14216 has 1 MA's), (141, 14240), (186, 14339), (220, 14402), (244, 14441), (274, 14495), (323, 14561), (334, 14573), (360, 14624), (372, 14648), (437, 14726), (465, 14744), (482, 14774), (500, 14816), (501, 14819), (548, 14933), (596, 15011), (601, 15026), (617, 15065), (622, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 34

Candidate Starts for TPA4_18:

(7, 16287), (Start: 34 @16629 has 1 MA's), (Start: 54 @16710 has 2 MA's), (Start: 80 @16755 has 36 MA's), (201, 16986), (274, 17121), (328, 17193), (334, 17199), (353, 17238), (482, 17400), (498, 17433), (528, 17511), (596, 17637), (615, 17685), (617, 17691),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for TWAMP_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (258, 15786), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 21

Candidate Starts for Tachez_22:

(Start: 21 @15980 has 217 MA's), (48, 16097), (Start: 100 @16187 has 15 MA's), (108, 16208), (Start: 119 @16229 has 3 MA's), (141, 16256), (274, 16511), (336, 16592), (373, 16667), (390, 16682), (482, 16793), (500, 16835), (536, 16928), (548, 16952), (601, 17045), (617, 17084), (622, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 21

Candidate Starts for Taheera_17:

(4, 15095), (6, 15155), (Start: 21 @15491 has 217 MA's), (48, 15614), (Start: 54 @15632 has 2 MA's), (Start: 80 @15677 has 36 MA's), (88, 15683), (118, 15746), (144, 15782), (175, 15851), (176, 15854), (186, 15875), (215, 15929), (263, 16004), (334, 16106), (340, 16118), (465, 16313), (482, 16343), (493, 16361), (500, 16385), (540, 16487), (549, 16505), (601, 16595), (615, 16628),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 21

Candidate Starts for TaiwanKao_23:

(Start: 21 @15991 has 217 MA's), (48, 16108), (Start: 100 @16198 has 15 MA's), (108, 16219), (Start: 119 @16240 has 3 MA's), (141, 16267), (274, 16522), (336, 16603), (373, 16678), (390, 16693), (482, 16804), (500, 16846), (536, 16939), (541, 16951), (548, 16963), (601, 17056), (617, 17095), (622, 17113),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 80

Candidate Starts for Takoda_22:

(Start: 80 @15440 has 36 MA's), (Start: 100 @15479 has 15 MA's), (Start: 154 @15566 has 2 MA's), (187, 15635), (241, 15713), (334, 15851), (415, 15947), (517, 16076), (526, 16094), (563, 16163), (626, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 68

Candidate Starts for Tangent_34:

(Start: 68 @29370 has 45 MA's), (169, 29556), (176, 29568), (188, 29595), (198, 29616), (239, 29676), (284, 29763), (286, 29766), (316, 29802), (340, 29835), (348, 29850), (353, 29862), (373, 29892), (386, 29898), (434, 29958), (496, 30048), (536, 30138), (548, 30162), (554, 30174), (594, 30240), (611, 30279), (615, 30291), (624, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 68

Candidate Starts for Tangerine_33:

(Start: 68 @28564 has 45 MA's), (151, 28705), (169, 28750), (176, 28762), (183, 28774), (188, 28789), (193, 28801), (204, 28828), (220, 28843), (239, 28870), (286, 28960), (316, 28996), (353, 29056), (386, 29092), (434, 29152), (496, 29242), (536, 29332), (548, 29356), (554, 29368), (594, 29434), (600, 29449), (611, 29473), (615, 29485),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 21

Candidate Starts for Taquito_21:

(Start: 21 @17109 has 217 MA's), (27, 17127), (Start: 40 @17199 has 2 MA's), (48, 17229), (Start: 100 @17319 has 15 MA's), (Start: 119 @17361 has 3 MA's), (140, 17385), (187, 17490), (274, 17643), (328, 17712), (334, 17718), (437, 17871), (465, 17889), (482, 17919), (500, 17961), (501, 17964), (596, 18156), (601, 18171), (617, 18210), (622, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 70

Candidate Starts for Tardus_35:

(Start: 70 @29129 has 24 MA's), (109, 29201), (123, 29225), (149, 29261), (165, 29297), (237, 29453), (274, 29525), (321, 29588), (326, 29597), (363, 29654), (377, 29687), (411, 29720), (412, 29723), (501, 29876), (514, 29909), (517, 29918), (528, 29939), (541, 29966), (552, 29987), (556, 29996), (559, 30002), (580, 30035), (582, 30038), (609, 30092), (616, 30104),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 72

Candidate Starts for TarsusIV_27:

(Start: 72 @19201 has 238 MA's), (118, 19276), (140, 19294), (155, 19330), (174, 19369), (258, 19510), (301, 19576), (331, 19615), (334, 19618), (461, 19846), (517, 19981), (563, 20068), (578, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 79

Candidate Starts for Tarynearal_22:

(Start: 79 @18646 has 49 MA's), (140, 18742), (Start: 154 @18775 has 2 MA's), (155, 18778), (174, 18817), (258, 18952), (293, 19012), (301, 19018), (317, 19036), (334, 19060), (355, 19102), (511, 19414), (563, 19516), (612, 19606),

Gene: Tarzan_17 Start: 14116, Stop: 14958, Start Num: 142

Candidate Starts for Tarzan_17:

(13, 13660), (14, 13738), (46, 13936), (113, 14077), (Start: 142 @14116 has 13 MA's), (174, 14185), (188, 14215), (198, 14236), (225, 14269), (247, 14311), (248, 14314), (345, 14455), (377, 14521), (469, 14653), (504, 14728), (538, 14782), (563, 14824), (600, 14890), (617, 14929),

Gene: Tayonia_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Tayonia_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 21

Candidate Starts for Terror_17:

(4, 15095), (6, 15155), (Start: 21 @15491 has 217 MA's), (48, 15614), (Start: 54 @15632 has 2 MA's), (Start: 80 @15677 has 36 MA's), (88, 15683), (118, 15746), (144, 15782), (175, 15851), (176, 15854), (186, 15875), (215, 15929), (263, 16004), (334, 16106), (340, 16118), (465, 16313), (482, 16343), (493, 16361), (500, 16385), (540, 16487), (549, 16505), (601, 16595), (615, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 72

Candidate Starts for Tesla_48:

(Start: 72 @26061 has 238 MA's), (Start: 152 @26193 has 1 MA's), (165, 26217), (168, 26226), (172, 26232), (177, 26241), (188, 26265), (192, 26274), (198, 26286), (269, 26412), (323, 26493), (334, 26508), (337, 26514), (393, 26622), (475, 26748), (478, 26754), (505, 26829), (542, 26904), (545, 26910), (552, 26922), (554, 26925), (602, 27012), (604, 27015), (606, 27018),

Gene: ThankyouJordi_17 Start: 16982, Stop: 17809, Start Num: 130

Candidate Starts for ThankyouJordi_17:

(20, 16682), (Start: 130 @16982 has 36 MA's), (236, 17177), (239, 17183), (268, 17228), (285, 17261), (302, 17279), (338, 17327), (360, 17363), (365, 17372), (386, 17393), (391, 17399), (451, 17477), (495, 17552), (597, 17729),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 79

Candidate Starts for Theia_21:

(Start: 79 @18584 has 49 MA's), (140, 18680), (Start: 154 @18713 has 2 MA's), (155, 18716), (258, 18890), (293, 18950), (301, 18956), (317, 18974), (334, 18998), (355, 19040), (511, 19352), (563, 19454), (579, 19481), (612, 19544),

Gene: Thimann_19 Start: 16471, Stop: 17298, Start Num: 130

Candidate Starts for Thimann_19:

(Start: 130 @16471 has 36 MA's), (167, 16546), (199, 16609), (212, 16633), (239, 16672), (242, 16678), (268, 16717), (285, 16750), (305, 16771), (331, 16804), (334, 16807), (336, 16810), (360, 16852), (386, 16882), (402, 16891), (451, 16966), (495, 17041), (501, 17062), (533, 17131),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 68

Candidate Starts for Thing3_33:

(Start: 68 @29854 has 45 MA's), (169, 30040), (176, 30052), (188, 30079), (198, 30100), (239, 30160), (284, 30247), (286, 30250), (316, 30286), (340, 30319), (348, 30334), (353, 30346), (373, 30376), (386, 30382), (434, 30442), (496, 30532), (536, 30622), (548, 30646), (554, 30658), (594, 30724), (600, 30739), (611, 30763), (615, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 26

Candidate Starts for Thyatira_20:

(Start: 26 @16323 has 22 MA's), (Start: 119 @16566 has 3 MA's), (141, 16593), (186, 16692), (244, 16794), (274, 16848), (298, 16878), (323, 16914), (325, 16917), (334, 16926), (372, 17001), (373, 17004), (412, 17040), (437, 17082), (465, 17100), (469, 17106), (482, 17130), (484, 17133), (488, 17139), (500, 17172), (601, 17382), (617, 17421), (622, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 70

Candidate Starts for Tiamoceli_32:

(Start: 70 @27405 has 24 MA's), (86, 27417), (Start: 99 @27444 has 9 MA's), (123, 27492), (Start: 126 @27495 has 6 MA's), (156, 27546), (192, 27624), (237, 27720), (274, 27792), (363, 27921), (377, 27954), (412, 27990), (514, 28176), (528, 28206), (541, 28233), (559, 28269), (580, 28302), (616, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 21

Candidate Starts for Tierra_21:

(Start: 21 @15908 has 217 MA's), (48, 16028), (Start: 100 @16118 has 15 MA's), (141, 16187), (244, 16388), (390, 16613), (436, 16673), (465, 16694), (500, 16766), (501, 16769), (502, 16772), (536, 16859), (548, 16883), (596, 16961), (601, 16976), (617, 17015), (622, 17033),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 79

Candidate Starts for Tiger_23:

(Start: 79 @18468 has 49 MA's), (140, 18564), (Start: 154 @18597 has 2 MA's), (155, 18600), (258, 18774), (293, 18834), (301, 18840), (317, 18858), (334, 18882), (355, 18924), (511, 19236), (563, 19338), (612, 19428),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 77

Candidate Starts for TillyBobJoe_30:

(Start: 77 @24720 has 29 MA's), (135, 24816), (166, 24885), (169, 24891), (183, 24915), (188, 24930), (196, 24948), (316, 25140), (372, 25218), (417, 25263), (434, 25287), (464, 25326), (518, 25422), (536, 25464), (554, 25500), (575, 25530), (598, 25575), (607, 25596), (624, 25647),

Gene: TimTam_18 Start: 16940, Stop: 17767, Start Num: 130

Candidate Starts for TimTam_18:

(Start: 130 @16940 has 36 MA's), (167, 17015), (236, 17135), (239, 17141), (279, 17207), (285, 17219), (334, 17276), (338, 17285), (360, 17321), (365, 17330), (386, 17351), (451, 17435), (495, 17510), (501, 17531), (579, 17654), (597, 17687),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 72

Candidate Starts for Timothy_27:

(Start: 72 @19730 has 238 MA's), (104, 19787), (Start: 152 @19862 has 1 MA's), (224, 19991), (258, 20051), (293, 20111), (301, 20117), (334, 20159), (357, 20204), (360, 20210), (408, 20294), (431, 20327), (563, 20609), (568, 20618), (578, 20633), (612, 20699),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 21

Candidate Starts for TingHuaYa_22:

(Start: 21 @15317 has 217 MA's), (48, 15434), (108, 15545), (141, 15593), (187, 15695), (274, 15848), (336, 15929), (373, 16004), (390, 16019), (482, 16130), (500, 16172), (536, 16265), (548, 16289), (601, 16382), (617, 16421), (622, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 21

Candidate Starts for TiniBug_22:

(Start: 21 @15962 has 217 MA's), (48, 16079), (Start: 100 @16169 has 15 MA's), (108, 16190), (Start: 119 @16211 has 3 MA's), (141, 16238), (244, 16439), (274, 16493), (277, 16499), (336, 16574), (373, 16649), (390, 16664), (500, 16817), (536, 16910), (548, 16934), (601, 17027), (617, 17066), (622,

17084),

Gene: TinyDot_18 Start: 14464, Stop: 15303, Start Num: 136

Candidate Starts for TinyDot_18:

(Start: 136 @14464 has 1 MA's), (147, 14476), (193, 14572), (239, 14647), (264, 14695), (268, 14704), (305, 14761), (336, 14800), (340, 14806), (360, 14839), (499, 15043), (617, 15274),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 72

Candidate Starts for TinyTimmy_27:

(Start: 72 @19773 has 238 MA's), (104, 19830), (Start: 152 @19905 has 1 MA's), (224, 20034), (258, 20094), (293, 20154), (301, 20160), (334, 20202), (357, 20247), (360, 20253), (408, 20337), (431, 20370), (563, 20652), (568, 20661), (578, 20676), (612, 20742),

Gene: TopsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 72

Candidate Starts for TopsytheTRex_26:

(Start: 72 @18299 has 238 MA's), (104, 18353), (118, 18374), (140, 18392), (301, 18674), (331, 18713), (334, 18716), (357, 18761), (408, 18851), (461, 18944), (517, 19079), (563, 19166),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 21

Candidate Starts for Tiri_22:

(Start: 21 @16023 has 217 MA's), (48, 16140), (Start: 100 @16230 has 15 MA's), (108, 16251), (Start: 119 @16272 has 3 MA's), (141, 16299), (274, 16554), (336, 16635), (373, 16710), (390, 16725), (482, 16836), (500, 16878), (536, 16971), (548, 16995), (601, 17088), (617, 17127), (622, 17145),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 72

Candidate Starts for Toaka_26:

(Start: 72 @18892 has 238 MA's), (85, 18907), (87, 18910), (140, 18985), (188, 19090), (258, 19201), (274, 19237), (301, 19267), (334, 19309), (413, 19459), (470, 19555), (474, 19561), (555, 19759), (563, 19771), (568, 19780), (578, 19795),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 100

Candidate Starts for Toast_18:

(Start: 100 @15883 has 15 MA's), (Start: 110 @15898 has 1 MA's), (Start: 133 @15928 has 1 MA's), (148, 15949), (188, 16039), (236, 16120), (365, 16324), (366, 16327), (511, 16522), (564, 16612), (592, 16654), (613, 16702), (615, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 77

Candidate Starts for Togo_30:

(Start: 77 @24909 has 29 MA's), (135, 25014), (166, 25083), (169, 25089), (183, 25113), (188, 25128), (434, 25488), (446, 25503), (458, 25521), (518, 25623), (536, 25665), (554, 25701), (607, 25797), (624, 25848),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 21

Candidate Starts for TomBrady_17:

(6, 15145), (Start: 21 @15478 has 217 MA's), (48, 15598), (Start: 54 @15616 has 2 MA's), (Start: 80 @15661 has 36 MA's), (88, 15667), (118, 15730), (144, 15766), (175, 15835), (176, 15838), (186, 15859), (215, 15913), (244, 15958), (263, 15988), (334, 16090), (340, 16102), (346, 16114), (355, 16132), (465, 16297), (482, 16327), (493, 16345), (500, 16369), (549, 16489), (601, 16579), (615, 16612),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for Tomathan_30:

(Start: 72 @19042 has 238 MA's), (104, 19096), (118, 19117), (140, 19135), (235, 19306), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 72

Candidate Starts for ToneTone_28:

(Start: 72 @18890 has 238 MA's), (87, 18908), (104, 18944), (140, 18983), (188, 19088), (301, 19265), (331, 19304), (334, 19307), (376, 19394), (385, 19415), (461, 19541), (495, 19613), (563, 19763), (568, 19772), (612, 19853),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 99

Candidate Starts for Toniann_47:

(Start: 99 @28657 has 9 MA's), (Start: 130 @28705 has 36 MA's), (150, 28732), (185, 28804), (220, 28870), (239, 28900), (302, 29008), (365, 29101), (388, 29125), (407, 29140), (473, 29236), (499, 29284), (599, 29464), (614, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Topper_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 21

Candidate Starts for Torres_18:

(Start: 21 @15554 has 217 MA's), (48, 15677), (Start: 100 @15767 has 15 MA's), (141, 15836), (186, 15935), (187, 15938), (244, 16037), (336, 16172), (482, 16373), (500, 16415), (501, 16418), (536, 16508), (548, 16532), (601, 16625), (617, 16664), (622, 16682),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 119

Candidate Starts for TouchMeNot_18:

(Start: 119 @16550 has 3 MA's), (Start: 121 @16553 has 1 MA's), (172, 16637), (256, 16775), (444, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 75

Candidate Starts for Tourach_17:

(Start: 75 @16072 has 61 MA's), (90, 16096), (104, 16126), (155, 16207), (181, 16252), (329, 16477), (331, 16480), (334, 16483), (378, 16570), (393, 16594), (396, 16600), (448, 16669), (457, 16687), (469, 16708), (492, 16762), (497, 16774), (519, 16837), (593, 16966), (600, 16978),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 129

Candidate Starts for Tracker_40:

(Start: 129 @28657 has 24 MA's), (176, 28744), (225, 28819), (261, 28885), (282, 28927), (324, 28984), (447, 29197), (460, 29224), (505, 29335), (563, 29467), (613, 29563),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 72

Candidate Starts for Travvers_30:

(Start: 72 @19042 has 238 MA's), (104, 19096), (118, 19117), (140, 19135), (235, 19306), (301, 19417), (331, 19456), (334, 19459), (357, 19504), (517, 19822), (555, 19897), (563, 19909), (578, 19933), (612, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 72

Candidate Starts for Trax_27:

(Start: 60 @22683 has 10 MA's), (Start: 72 @22698 has 238 MA's), (104, 22755), (118, 22785), (188, 22899), (240, 22974), (256, 23007), (274, 23043), (329, 23124), (331, 23127), (346, 23154), (350, 23160), (366, 23187), (396, 23247), (401, 23253), (475, 23376), (476, 23379), (485, 23400), (497, 23430), (499, 23439), (513, 23478), (514, 23481), (534, 23523), (551, 23538), (554, 23544), (567, 23562), (577, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 21

Candidate Starts for TreyKay_22:

(Start: 21 @15985 has 217 MA's), (48, 16102), (Start: 100 @16192 has 15 MA's), (108, 16213), (Start: 119 @16234 has 3 MA's), (141, 16261), (274, 16516), (336, 16597), (373, 16672), (390, 16687), (482, 16798), (500, 16840), (536, 16933), (548, 16957), (601, 17050), (617, 17089), (622, 17107),

Gene: TribbleTrouble_20 Start: 16264, Stop: 17403, Start Num: 21

Candidate Starts for TribbleTrouble_20:

(Start: 21 @16264 has 217 MA's), (48, 16390), (Start: 80 @16453 has 36 MA's), (88, 16459), (104, 16489), (Start: 119 @16522 has 3 MA's), (176, 16627), (186, 16648), (244, 16750), (263, 16780), (294, 16825), (346, 16903), (465, 17050), (482, 17080), (488, 17089), (500, 17122), (501, 17125), (502, 17128), (536, 17215), (586, 17302), (599, 17326), (601, 17332), (615, 17365), (617, 17371),

Gene: Trine_17 Start: 13911, Stop: 14768, Start Num: 142

Candidate Starts for Trine_17:

(Start: 142 @13911 has 13 MA's), (174, 13980), (183, 13995), (248, 14109), (321, 14214), (373, 14307), (377, 14319), (457, 14421), (504, 14523), (512, 14544), (555, 14622), (557, 14625), (563, 14634), (568, 14643), (569, 14646), (594, 14685), (617, 14736),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 72

Candidate Starts for Trixie_30:

(Start: 72 @20845 has 238 MA's), (87, 20863), (118, 20920), (140, 20938), (155, 20974), (174, 21013), (258, 21154), (301, 21220), (331, 21259), (334, 21262), (357, 21307), (384, 21367), (413, 21412), (461, 21493), (479, 21526), (563, 21715), (568, 21724), (613, 21808),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 72

Candidate Starts for Trooper_27:

(Start: 72 @19001 has 238 MA's), (118, 19076), (140, 19094), (155, 19130), (174, 19169), (258, 19310), (301, 19376), (331, 19415), (334, 19418), (461, 19646), (517, 19781), (563, 19868), (578, 19892), (612, 19958),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 21

Candidate Starts for TruffulaTree_22:

(Start: 21 @16014 has 217 MA's), (48, 16131), (Start: 100 @16221 has 15 MA's), (108, 16242), (Start: 119 @16263 has 3 MA's), (141, 16290), (274, 16545), (336, 16626), (373, 16701), (390, 16716), (482, 16827), (500, 16869), (536, 16962), (548, 16986), (601, 17079), (617, 17118), (622, 17136),

Gene: Trumpet_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Trumpet_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 72

Candidate Starts for Tubs_28:

(Start: 72 @20527 has 238 MA's), (87, 20545), (118, 20602), (140, 20620), (155, 20656), (258, 20836), (274, 20872), (301, 20902), (334, 20944), (421, 21103), (495, 21247), (517, 21310), (555,

21385), (563, 21397), (578, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 72

Candidate Starts for Tucker_30:

(Start: 72 @18976 has 238 MA's), (87, 18994), (104, 19030), (140, 19069), (188, 19174), (301, 19351), (331, 19390), (334, 19393), (376, 19480), (385, 19501), (461, 19627), (495, 19699), (563, 19849), (568, 19858), (612, 19939),

Gene: TuertoX_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for TuertoX_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 72

Candidate Starts for Turbido_29:

(Start: 72 @19682 has 238 MA's), (118, 19757), (140, 19775), (155, 19811), (174, 19850), (301, 20057), (331, 20096), (334, 20099), (376, 20186), (479, 20366), (517, 20468), (555, 20543), (563, 20555),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 129

Candidate Starts for Turuncu_44:

(Start: 129 @29978 has 24 MA's), (176, 30056), (224, 30128), (267, 30209), (349, 30338), (447, 30509), (511, 30665), (563, 30764), (604, 30839), (613, 30860),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 79

Candidate Starts for Twigg_23:

(Start: 79 @18619 has 49 MA's), (140, 18715), (Start: 154 @18748 has 2 MA's), (155, 18751), (258, 18925), (293, 18985), (301, 18991), (317, 19009), (334, 19033), (355, 19075), (511, 19387), (563, 19489), (579, 19516), (612, 19579),

Gene: Twinkle_19 Start: 18137, Stop: 18964, Start Num: 130

Candidate Starts for Twinkle_19:

(Start: 120 @18128 has 43 MA's), (Start: 130 @18137 has 36 MA's), (Start: 154 @18179 has 2 MA's), (167, 18212), (176, 18227), (199, 18275), (239, 18338), (242, 18344), (268, 18383), (305, 18437), (315, 18452), (336, 18476), (338, 18482), (360, 18518), (386, 18548), (402, 18557), (495, 18707), (533, 18797), (597, 18884),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 77

Candidate Starts for Twister6_32:

(Start: 77 @25345 has 29 MA's), (135, 25450), (166, 25519), (169, 25525), (183, 25549), (188, 25564), (434, 25924), (446, 25939), (458, 25957), (518, 26059), (536, 26101), (554, 26137), (607, 26233), (624, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 21

Candidate Starts for Twitch_22:

(Start: 21 @16051 has 217 MA's), (48, 16168), (Start: 100 @16258 has 15 MA's), (108, 16279), (Start: 119 @16300 has 3 MA's), (141, 16327), (274, 16582), (336, 16663), (373, 16738), (390, 16753), (482, 16864), (500, 16906), (536, 16999), (548, 17023), (601, 17116), (617, 17155), (622, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 70

Candidate Starts for Twonlo_29:

(Start: 70 @26023 has 24 MA's), (86, 26035), (Start: 99 @26062 has 9 MA's), (123, 26110), (Start: 126 @26113 has 6 MA's), (156, 26164), (192, 26242), (237, 26338), (256, 26371), (274, 26410), (363, 26539), (377, 26572), (412, 26608), (514, 26794), (528, 26824), (541, 26851), (559, 26887), (580, 26920), (616, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 65

Candidate Starts for TyDawg_27:

(Start: 65 @21457 has 19 MA's), (Start: 129 @21559 has 24 MA's), (146, 21577), (Start: 152 @21592 has 1 MA's), (188, 21664), (192, 21673), (247, 21751), (329, 21886), (331, 21889), (334, 21892), (371, 21961), (393, 22003), (396, 22009), (483, 22150), (492, 22171), (497, 22183), (565, 22306), (571, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 68

Candidate Starts for Tycho_33:

(Start: 68 @28653 has 45 MA's), (156, 28809), (169, 28839), (176, 28851), (183, 28863), (188, 28878), (193, 28890), (286, 29049), (316, 29085), (353, 29145), (386, 29181), (434, 29241), (496, 29331), (536, 29421), (548, 29445), (554, 29457), (594, 29523), (600, 29538), (611, 29562), (615, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 41

Candidate Starts for Typha_23:

(Start: 41 @18613 has 5 MA's), (69, 18679), (118, 18769), (Start: 121 @18775 has 1 MA's), (Start: 152 @18823 has 1 MA's), (173, 18871), (186, 18898), (198, 18925), (199, 18928), (220, 18949), (254, 19000), (280, 19051), (289, 19060), (309, 19087), (355, 19162), (369, 19186), (469, 19276), (482, 19300), (484, 19303), (500, 19339), (521, 19393), (524, 19402), (541, 19444), (543, 19447), (596, 19528), (599, 19537), (617, 19582),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 75

Candidate Starts for Tyson_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (272, 16192), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (393, 16381), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 60

Candidate Starts for UPIE_17:

(49, 15809), (Start: 60 @15845 has 10 MA's), (Start: 75 @15863 has 61 MA's), (90, 15887), (104, 15917), (Start: 110 @15932 has 1 MA's), (141, 15965), (227, 16109), (331, 16265), (334, 16268), (337, 16274), (361, 16319), (375, 16346), (393, 16379), (396, 16385), (426, 16418), (433, 16427), (448, 16454), (501, 16574), (519, 16622), (567, 16688), (571, 16694), (593, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Ubuntu_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 72

Candidate Starts for Ugenie5_25:

(Start: 72 @20560 has 238 MA's), (87, 20578), (118, 20635), (140, 20653), (155, 20689), (258, 20869), (274, 20905), (301, 20935), (334, 20977), (421, 21136), (495, 21280), (517, 21343), (555,

21418), (563, 21430), (578, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 80

Candidate Starts for UhSalsa_22:

(Start: 80 @15480 has 36 MA's), (Start: 100 @15519 has 15 MA's), (Start: 152 @15600 has 1 MA's), (Start: 154 @15606 has 2 MA's), (187, 15675), (241, 15753), (272, 15813), (334, 15891), (415, 15987), (517, 16116), (526, 16134), (555, 16191), (563, 16203), (585, 16245), (626, 16341),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 102

Candidate Starts for UmaThurman_18:

(Start: 98 @15915 has 6 MA's), (Start: 102 @15921 has 26 MA's), (188, 16077), (236, 16158), (292, 16257), (366, 16365), (437, 16449), (488, 16515), (511, 16560), (564, 16650), (592, 16692),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 21

Candidate Starts for Unicorn_21:

(Start: 21 @15233 has 217 MA's), (48, 15353), (Start: 100 @15443 has 15 MA's), (141, 15512), (244, 15713), (274, 15767), (298, 15797), (390, 15938), (436, 15998), (465, 16019), (482, 16049), (500, 16091), (501, 16094), (502, 16097), (536, 16184), (548, 16208), (596, 16286), (601, 16301), (617, 16340), (622, 16358),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 79

Candidate Starts for UnionJack_23:

(Start: 79 @17673 has 49 MA's), (140, 17769), (Start: 154 @17802 has 2 MA's), (155, 17805), (174, 17844), (258, 17979), (272, 18009), (293, 18039), (301, 18045), (317, 18063), (334, 18087), (355, 18129), (454, 18300), (563, 18543), (579, 18570), (612, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 72

Candidate Starts for Updawg_29:

(Start: 72 @19643 has 238 MA's), (118, 19718), (140, 19736), (155, 19772), (174, 19811), (274, 19988), (301, 20018), (331, 20057), (334, 20060), (563, 20516), (578, 20540),

Gene: Upyo_17 Start: 14116, Stop: 14946, Start Num: 142

Candidate Starts for Upyo_17:

(Start: 142 @14116 has 13 MA's), (162, 14161), (174, 14185), (273, 14365), (321, 14419), (373, 14512), (377, 14524), (449, 14608), (457, 14626), (563, 14812), (569, 14824), (594, 14863), (617, 14914),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 21

Candidate Starts for Urkel_22:

(Start: 21 @15965 has 217 MA's), (48, 16082), (Start: 100 @16172 has 15 MA's), (108, 16193), (Start: 119 @16214 has 3 MA's), (141, 16241), (244, 16442), (274, 16496), (277, 16502), (336, 16577), (373, 16652), (390, 16667), (500, 16820), (536, 16913), (548, 16937), (601, 17030), (617, 17069), (622, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 102

Candidate Starts for Utz_18:

(Start: 98 @15782 has 6 MA's), (Start: 102 @15788 has 26 MA's), (188, 15944), (236, 16025), (292, 16124), (366, 16232), (437, 16316), (490, 16388), (564, 16517), (581, 16544), (592, 16559),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 72

Candidate Starts for VA6_27:

(Start: 72 @19197 has 238 MA's), (104, 19251), (118, 19272), (140, 19290), (235, 19461), (301, 19572), (331, 19611), (334, 19614), (357, 19659), (408, 19749), (511, 19962), (517, 19977), (555,

20052), (563, 20064), (578, 20088), (612, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 72

Candidate Starts for VC3_30:

(Start: 72 @19185 has 238 MA's), (104, 19239), (118, 19260), (140, 19278), (235, 19449), (301, 19560), (331, 19599), (334, 19602), (357, 19647), (408, 19737), (511, 19950), (517, 19965), (555, 20040), (563, 20052), (578, 20076), (612, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 77

Candidate Starts for Valary_33:

(Start: 77 @25854 has 29 MA's), (135, 25959), (166, 26028), (169, 26034), (183, 26058), (188, 26073), (434, 26433), (446, 26448), (458, 26466), (518, 26568), (536, 26610), (554, 26646), (607, 26742), (624, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 21

Candidate Starts for Validus_22:

(Start: 21 @15308 has 217 MA's), (48, 15428), (Start: 100 @15518 has 15 MA's), (141, 15587), (186, 15686), (187, 15689), (244, 15788), (274, 15842), (336, 15923), (373, 15998), (390, 16013), (482, 16124), (500, 16166), (501, 16169), (536, 16259), (585, 16343), (596, 16361), (601, 16376), (617, 16415), (622, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 77

Candidate Starts for VanDeWege_33:

(Start: 77 @25693 has 29 MA's), (135, 25789), (166, 25858), (169, 25864), (183, 25888), (188, 25903), (286, 26077), (316, 26113), (372, 26191), (434, 26260), (518, 26395), (536, 26437), (554, 26473), (598, 26548), (607, 26569), (624, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 131

Candidate Starts for VanLee_19:

(Start: 131 @15562 has 11 MA's), (165, 15619), (172, 15634), (256, 15769), (350, 15904), (365, 15934), (381, 15970), (383, 15973), (390, 15985), (405, 16006), (425, 16036), (455, 16093), (460, 16099), (474, 16123), (544, 16273), (600, 16369), (623, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 72

Candidate Starts for Vanisoa_26:

(Start: 72 @18587 has 238 MA's), (87, 18605), (104, 18641), (118, 18662), (140, 18680), (274, 18932), (301, 18962), (334, 19004), (413, 19154), (444, 19199), (470, 19250), (474, 19256), (495, 19316), (563, 19466), (568, 19475),

Gene: Vasanti_16 Start: 13856, Stop: 14704, Start Num: 120

Candidate Starts for Vasanti_16:

(Start: 75 @13769 has 61 MA's), (Start: 120 @13856 has 43 MA's), (127, 13862), (Start: 130 @13865 has 36 MA's), (167, 13940), (204, 14018), (216, 14033), (228, 14051), (253, 14084), (336, 14207), (342, 14219), (346, 14228), (451, 14363), (523, 14513), (615, 14669), (617, 14675),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 72

Candidate Starts for VasuNzinga_49:

(Start: 72 @25618 has 238 MA's), (Start: 152 @25750 has 1 MA's), (165, 25774), (168, 25783), (172, 25789), (177, 25798), (188, 25822), (192, 25831), (198, 25843), (269, 25969), (323, 26050), (334, 26065), (337, 26071), (393, 26179), (475, 26305), (478, 26311), (542, 26461), (545, 26467), (552, 26479), (554, 26482), (602, 26569), (604, 26572), (606, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 21

Candidate Starts for Veliki_22:

(Start: 21 @16054 has 217 MA's), (48, 16171), (Start: 100 @16261 has 15 MA's), (108, 16282), (Start: 119 @16303 has 3 MA's), (141, 16330), (274, 16585), (336, 16666), (373, 16741), (390, 16756), (482, 16867), (500, 16909), (536, 17002), (548, 17026), (601, 17119), (617, 17158), (622, 17176),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 70

Candidate Starts for Verity_33:

(Start: 70 @29967 has 24 MA's), (123, 30054), (149, 30090), (165, 30126), (237, 30282), (239, 30285), (274, 30354), (321, 30417), (326, 30426), (377, 30516), (411, 30549), (412, 30552), (501, 30705), (517, 30747), (528, 30768), (541, 30795), (552, 30816), (556, 30825), (559, 30831), (580, 30864), (582, 30867), (605, 30912), (609, 30921), (616, 30933),

Gene: Vetric_17 Start: 16080, Stop: 16994, Start Num: 75

Candidate Starts for Vetric_17:

(Start: 75 @16080 has 61 MA's), (90, 16104), (104, 16134), (181, 16260), (227, 16332), (329, 16485), (331, 16488), (334, 16491), (350, 16521), (378, 16578), (393, 16602), (396, 16608), (448, 16677), (457, 16695), (469, 16716), (497, 16782), (519, 16845), (593, 16974), (600, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 70

Candidate Starts for ViaConlectus_34:

(Start: 70 @28404 has 24 MA's), (109, 28476), (123, 28500), (149, 28536), (165, 28572), (237, 28728), (274, 28800), (321, 28863), (326, 28872), (363, 28929), (377, 28962), (411, 28995), (412, 28998), (488, 29115), (501, 29151), (514, 29184), (517, 29193), (528, 29214), (541, 29241), (556, 29271), (559, 29277), (580, 29310), (582, 29313), (609, 29367), (616, 29379),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 68

Candidate Starts for Vivi2_36:

(Start: 68 @30528 has 45 MA's), (169, 30714), (176, 30726), (188, 30753), (198, 30774), (239, 30834), (284, 30921), (286, 30924), (316, 30960), (340, 30993), (348, 31008), (353, 31020), (373, 31050), (386, 31056), (434, 31116), (496, 31206), (536, 31296), (548, 31320), (554, 31332), (594, 31398), (611, 31437), (615, 31449),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 72

Candidate Starts for VohminGhazi_30:

(Start: 72 @18966 has 238 MA's), (104, 19020), (140, 19059), (188, 19164), (274, 19311), (301, 19341), (331, 19380), (334, 19383), (357, 19428), (385, 19488), (495, 19686), (563, 19836), (568, 19845),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 102

Candidate Starts for Vordorf_21:

(Start: 102 @17520 has 26 MA's), (104, 17526), (Start: 121 @17562 has 1 MA's), (123, 17565), (217, 17733), (226, 17748), (236, 17760), (289, 17856), (292, 17859), (310, 17880), (321, 17895), (418, 18024), (489, 18120), (511, 18165), (522, 18186), (532, 18216), (594, 18306),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 76

Candidate Starts for Waits_29:

(Start: 76 @18089 has 20 MA's), (Start: 152 @18203 has 1 MA's), (Start: 154 @18209 has 2 MA's), (155, 18212), (284, 18446), (461, 18713), (493, 18767), (563, 18923),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 102

Candidate Starts for Walrus_19:

(Start: 98 @16010 has 6 MA's), (Start: 102 @16016 has 26 MA's), (188, 16172), (236, 16253), (292, 16352), (366, 16460), (437, 16544), (488, 16610), (511, 16655), (564, 16745), (592, 16787),

Gene: Wamburgxpress_17 Start: 15878, Stop: 16759, Start Num: 75

Candidate Starts for Wamburgxpress_17:

(Start: 60 @15860 has 10 MA's), (Start: 75 @15878 has 61 MA's), (90, 15902), (104, 15932), (Start: 110 @15947 has 1 MA's), (141, 15980), (227, 16124), (272, 16205), (331, 16280), (334, 16283), (337, 16289), (361, 16334), (375, 16361), (393, 16394), (396, 16400), (426, 16433), (433, 16442), (448, 16469), (501, 16589), (519, 16637), (567, 16703), (571, 16709), (593, 16748),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 26

Candidate Starts for Waterfoul_20:

(Start: 26 @16344 has 22 MA's), (Start: 119 @16587 has 3 MA's), (141, 16614), (186, 16713), (244, 16815), (274, 16869), (298, 16899), (323, 16935), (325, 16938), (334, 16947), (372, 17022), (373, 17025), (412, 17061), (437, 17103), (465, 17121), (469, 17127), (482, 17151), (484, 17154), (488, 17160), (500, 17193), (601, 17403), (617, 17442), (622, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Webster2_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: WeiHuaDA_33 Start: 21452, Stop: 22465, Start Num: 72

Candidate Starts for WeiHuaDA_33:

(Start: 72 @21452 has 238 MA's), (87, 21470), (118, 21527), (140, 21545), (155, 21581), (174, 21620), (301, 21827), (331, 21866), (334, 21869), (357, 21914), (384, 21974), (408, 22007), (460, 22097), (479, 22133), (563, 22322), (568, 22331),

Gene: Weirido19_18 Start: 14977, Stop: 16083, Start Num: 40

Candidate Starts for Weirido19_18:

(8, 14650), (10, 14686), (Start: 40 @14977 has 2 MA's), (Start: 42 @14989 has 22 MA's), (108, 15118), (140, 15163), (141, 15166), (144, 15172), (151, 15187), (190, 15271), (234, 15355), (249, 15385), (252, 15391), (266, 15421), (284, 15448), (287, 15454), (295, 15463), (327, 15508), (339, 15526), (344, 15535), (382, 15610), (394, 15628), (482, 15769), (557, 15937), (583, 15976), (596, 15997), (599, 16006), (601, 16012), (617, 16051),

Gene: WelcomeAyanna_17 Start: 16982, Stop: 17809, Start Num: 130

Candidate Starts for WelcomeAyanna_17:

(20, 16682), (Start: 130 @16982 has 36 MA's), (236, 17177), (239, 17183), (268, 17228), (285, 17261), (302, 17279), (338, 17327), (360, 17363), (365, 17372), (386, 17393), (391, 17399), (451, 17477), (495, 17552), (597, 17729),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Wendigo_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 72

Candidate Starts for Whabigail7_29:

(Start: 72 @19670 has 238 MA's), (118, 19745), (140, 19763), (155, 19799), (174, 19838), (301, 20045), (331, 20084), (334, 20087), (376, 20174), (479, 20354), (517, 20456), (555, 20531), (563, 20543),

Gene: Whack_17 Start: 16453, Stop: 17082, Start Num: 233

Candidate Starts for Whack_17:

(114, 16246), (214, 16429), (Start: 233 @16453 has 1 MA's), (239, 16465), (261, 16504), (275, 16534), (285, 16552), (333, 16609), (335, 16612), (341, 16624), (349, 16639), (365, 16666), (370, 16675), (459, 16777), (462, 16783), (466, 16789), (496, 16837), (499, 16849), (515, 16876), (553, 16948), (589, 17002), (594, 17008), (602, 17026), (618, 17068),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 47

Candidate Starts for WheatThin_21:

(Start: 47 @16293 has 17 MA's), (Start: 65 @16338 has 19 MA's), (92, 16368), (151, 16476), (221, 16626), (249, 16674), (297, 16758), (304, 16767), (337, 16809), (443, 16986), (467, 17019), (489, 17055), (583, 17250), (616, 17322), (617, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 129

Candidate Starts for Wheezy_40:

(Start: 129 @28862 has 24 MA's), (176, 28949), (225, 29024), (261, 29090), (282, 29132), (324, 29189), (447, 29402), (460, 29429), (505, 29540), (563, 29672), (613, 29768),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 75

Candidate Starts for Whirlwind_19:

(Start: 75 @16247 has 61 MA's), (90, 16271), (Start: 110 @16316 has 1 MA's), (118, 16331), (141, 16352), (188, 16448), (274, 16583), (280, 16592), (331, 16652), (334, 16655), (337, 16661), (375, 16733), (393, 16766), (448, 16841), (485, 16916), (503, 16967), (519, 17009), (593, 17120), (595, 17123),

Gene: Whiteclaw_16 Start: 13910, Stop: 14758, Start Num: 120

Candidate Starts for Whiteclaw_16:

(11, 13442), (Start: 75 @13823 has 61 MA's), (Start: 120 @13910 has 43 MA's), (127, 13916), (171, 14000), (196, 14051), (270, 14171), (334, 14258), (336, 14261), (342, 14273), (346, 14282), (360, 14309), (365, 14318), (386, 14339), (523, 14567), (615, 14723), (617, 14729),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 62

Candidate Starts for Whitty_18:

(Start: 62 @16018 has 7 MA's), (85, 16045), (Start: 94 @16063 has 2 MA's), (195, 16240), (196, 16243), (241, 16318), (274, 16384), (288, 16411), (331, 16468), (337, 16477), (476, 16714), (487, 16738), (524, 16837), (531, 16858), (543, 16879), (566, 16918), (571, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 137

Candidate Starts for WhoseManz_42:

(Start: 137 @26578 has 8 MA's), (176, 26659), (196, 26704), (248, 26773), (324, 26899), (349, 26941), (390, 27025), (417, 27076), (447, 27109), (505, 27247), (528, 27307), (536, 27325), (563, 27367), (611, 27457), (613, 27463), (619, 27484),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 72

Candidate Starts for WideWale_29:

(Start: 72 @19643 has 238 MA's), (118, 19718), (140, 19736), (155, 19772), (174, 19811), (274, 19988), (301, 20018), (331, 20057), (334, 20060), (563, 20516), (578, 20540),

Gene: Widow_17 Start: 14300, Stop: 15133, Start Num: 142

Candidate Starts for Widow_17:

(Start: 142 @14300 has 13 MA's), (174, 14369), (225, 14453), (251, 14504), (321, 14612), (373, 14705), (377, 14717), (379, 14723), (440, 14789), (505, 14915), (528, 14942), (529, 14945), (538, 14963), (548, 14978), (569, 15017),

Gene: Wigglewiggles_17 Start: 16106, Stop: 17020, Start Num: 75

Candidate Starts for Wigglewiggles_17:

(Start: 75 @16106 has 61 MA's), (90, 16130), (104, 16160), (181, 16286), (227, 16358), (329, 16511), (331, 16514), (334, 16517), (350, 16547), (378, 16604), (393, 16628), (396, 16634), (448, 16703), (457, 16721), (469, 16742), (492, 16796), (497, 16808), (519, 16871), (593, 17000), (600, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 72

Candidate Starts for Wiks_30:

(Start: 72 @18958 has 238 MA's), (87, 18976), (104, 19012), (140, 19051), (188, 19156), (301, 19333), (331, 19372), (334, 19375), (376, 19462), (385, 19483), (461, 19609), (495, 19681), (563, 19831), (568, 19840), (612, 19921),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 75

Candidate Starts for Wilder_17:

(Start: 75 @16079 has 61 MA's), (90, 16103), (104, 16133), (181, 16259), (227, 16331), (329, 16484), (331, 16487), (334, 16490), (350, 16520), (378, 16577), (393, 16601), (396, 16607), (448, 16676), (457, 16694), (469, 16715), (492, 16769), (497, 16781), (519, 16844), (593, 16973), (600, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 100

Candidate Starts for William_18:

(Start: 100 @15832 has 15 MA's), (Start: 110 @15847 has 1 MA's), (Start: 133 @15877 has 1 MA's), (148, 15898), (188, 15988), (236, 16069), (365, 16273), (366, 16276), (511, 16471), (564, 16561), (592, 16603), (613, 16651), (615, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 96

Candidate Starts for WilliamBoone_47:

(Start: 96 @28015 has 9 MA's), (Start: 99 @28021 has 9 MA's), (Start: 130 @28069 has 36 MA's), (150, 28096), (185, 28168), (191, 28183), (302, 28372), (365, 28465), (388, 28489), (407, 28504), (471, 28597), (473, 28600), (499, 28648), (599, 28828), (614, 28864),

Gene: WinkNick_19 Start: 16489, Stop: 17325, Start Num: 120

Candidate Starts for WinkNick_19:

(Start: 120 @16489 has 43 MA's), (Start: 130 @16498 has 36 MA's), (Start: 154 @16540 has 2 MA's), (167, 16573), (176, 16588), (199, 16636), (239, 16699), (242, 16705), (268, 16744), (305, 16798), (336, 16837), (338, 16843), (360, 16879), (386, 16909), (402, 16918), (495, 17068), (597, 17245),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 75

Candidate Starts for Winky_17:

(Start: 75 @16074 has 61 MA's), (90, 16098), (104, 16128), (181, 16254), (227, 16326), (329, 16479), (331, 16482), (334, 16485), (350, 16515), (378, 16572), (393, 16596), (396, 16602), (448, 16671), (457, 16689), (469, 16710), (497, 16776), (519, 16839), (593, 16968), (600, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 21

Candidate Starts for Wintermute_23:

(Start: 21 @17489 has 217 MA's), (27, 17507), (Start: 40 @17579 has 2 MA's), (48, 17609), (Start: 100 @17699 has 15 MA's), (Start: 119 @17741 has 3 MA's), (140, 17765), (187, 17870), (328, 18092), (334, 18098), (436, 18248), (437, 18251), (465, 18269), (482, 18299), (500, 18341), (501, 18344), (521, 18395), (596, 18536), (601, 18551), (617, 18590), (622, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 42

Candidate Starts for Wishmaker_21:

(Start: 42 @16315 has 22 MA's), (45, 16324), (Start: 100 @16420 has 15 MA's), (104, 16429), (106, 16438), (141, 16489), (144, 16495), (188, 16591), (197, 16609), (234, 16678), (239, 16687), (249, 16708), (252, 16714), (255, 16720), (257, 16723), (297, 16795), (299, 16798), (394, 16954), (428, 17005), (439, 17023), (482, 17095), (493, 17113), (525, 17197), (536, 17224), (537, 17227), (557, 17263), (570, 17281), (596, 17323), (601, 17338), (602, 17341), (615, 17371), (617, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 110

Candidate Starts for Wisp_17:

(Start: 98 @15500 has 6 MA's), (Start: 102 @15506 has 26 MA's), (Start: 110 @15521 has 1 MA's), (188, 15662), (236, 15743), (267, 15800), (271, 15809), (292, 15842), (366, 15950), (437, 16034), (488, 16100), (511, 16145), (564, 16235), (592, 16277), (623, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 77

Candidate Starts for Wizard_30:

(Start: 77 @25052 has 29 MA's), (135, 25157), (166, 25226), (169, 25232), (183, 25256), (188, 25271), (434, 25631), (446, 25646), (458, 25664), (518, 25766), (536, 25808), (554, 25844), (607, 25940), (624, 25991),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 102

Candidate Starts for Wocket_19:

(Start: 98 @15974 has 6 MA's), (Start: 102 @15980 has 26 MA's), (188, 16136), (366, 16424), (437, 16508), (488, 16574), (490, 16580), (564, 16709), (592, 16751),

Gene: Wrigley_19 Start: 16522, Stop: 17430, Start Num: 138

Candidate Starts for Wrigley_19:

(Start: 138 @16522 has 25 MA's), (165, 16579), (242, 16714), (251, 16729), (253, 16732), (278, 16783), (368, 16891), (392, 16939), (408, 16963), (420, 16981), (425, 16987), (445, 17023), (510, 17179), (528, 17206), (532, 17218), (540, 17233), (563, 17278), (573, 17296), (579, 17305), (597, 17341), (598, 17344), (613, 17380), (615, 17386), (617, 17392),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 72

Candidate Starts for WunderPhul_30:

(Start: 72 @18958 has 238 MA's), (87, 18976), (104, 19012), (140, 19051), (188, 19156), (301, 19333), (331, 19372), (334, 19375), (376, 19462), (385, 19483), (461, 19609), (495, 19681), (563, 19831), (568, 19840), (612, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 60

Candidate Starts for Wyatt2_17:

(49, 15811), (Start: 60 @15847 has 10 MA's), (Start: 75 @15865 has 61 MA's), (90, 15889), (104, 15919), (Start: 110 @15934 has 1 MA's), (141, 15967), (227, 16111), (331, 16267), (334, 16270), (337, 16276), (361, 16321), (375, 16348), (396, 16387), (426, 16420), (433, 16429), (448, 16456), (501, 16576), (519, 16624), (567, 16690), (571, 16696), (593, 16735),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 72

Candidate Starts for XianYue_27:

(Start: 72 @19126 has 238 MA's), (118, 19201), (140, 19219), (155, 19255), (174, 19294), (183, 19309), (258, 19435), (274, 19471), (301, 19501), (331, 19540), (334, 19543), (357, 19588), (479, 19807), (517, 19909), (555, 19984), (563, 19996), (578, 20020),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 21

Candidate Starts for Ximenita_22:

(Start: 21 @15360 has 217 MA's), (48, 15480), (Start: 100 @15570 has 15 MA's), (141, 15639), (244, 15840), (274, 15894), (372, 16047), (390, 16065), (465, 16146), (482, 16176), (488, 16185), (500, 16218), (536, 16311), (548, 16335), (596, 16413), (601, 16428), (617, 16467), (622, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 21

Candidate Starts for Y10_23:

(Start: 21 @17489 has 217 MA's), (27, 17507), (Start: 40 @17579 has 2 MA's), (48, 17609), (Start: 100 @17699 has 15 MA's), (Start: 119 @17741 has 3 MA's), (140, 17765), (187, 17870), (328, 18092), (334, 18098), (436, 18248), (437, 18251), (465, 18269), (482, 18299), (500, 18341), (501, 18344), (521, 18395), (596, 18536), (601, 18551), (617, 18590), (622, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 21

Candidate Starts for Y2_23:

(Start: 21 @17489 has 217 MA's), (27, 17507), (Start: 40 @17579 has 2 MA's), (48, 17609), (Start: 100 @17699 has 15 MA's), (Start: 119 @17741 has 3 MA's), (140, 17765), (187, 17870), (328, 18092), (334, 18098), (436, 18248), (437, 18251), (465, 18269), (482, 18299), (500, 18341), (501, 18344), (521, 18395), (596, 18536), (601, 18551), (617, 18590), (622, 18608),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 72

Candidate Starts for Yecey3_27:

(Start: 72 @18619 has 238 MA's), (87, 18637), (140, 18712), (155, 18748), (258, 18928), (274, 18964), (301, 18994), (334, 19036), (357, 19081), (408, 19174), (413, 19186), (431, 19207), (470, 19282), (563, 19498), (568, 19507),

Gene: Yeet412_16 Start: 13903, Stop: 14751, Start Num: 120

Candidate Starts for Yeet412_16:

(Start: 120 @13903 has 43 MA's), (127, 13909), (196, 14044), (253, 14131), (270, 14164), (334, 14251), (336, 14254), (346, 14275), (360, 14299), (386, 14332), (520, 14554), (523, 14560), (617, 14722),

Gene: Yeezy_19 Start: 16295, Stop: 17122, Start Num: 130

Candidate Starts for Yeezy_19:

(Start: 130 @16295 has 36 MA's), (167, 16370), (236, 16490), (239, 16496), (279, 16562), (285, 16574), (334, 16631), (338, 16640), (360, 16676), (365, 16685), (386, 16706), (451, 16790), (495, 16865), (501, 16886), (579, 17009), (597, 17042),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 137

Candidate Starts for Yndexa_42:

(Start: 137 @28532 has 8 MA's), (176, 28613), (196, 28658), (248, 28727), (349, 28895), (390, 28979), (417, 29030), (447, 29063), (528, 29261), (536, 29279), (563, 29321), (611, 29411), (613, 29417), (619, 29438),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 80

Candidate Starts for Yogi_22:

(Start: 80 @15454 has 36 MA's), (Start: 100 @15493 has 15 MA's), (Start: 152 @15574 has 1 MA's), (Start: 154 @15580 has 2 MA's), (187, 15649), (241, 15727), (254, 15754), (334, 15865), (415, 15961), (517, 16090), (526, 16108), (563, 16177), (626, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 72

Candidate Starts for Yokurt_30:

(Start: 72 @18958 has 238 MA's), (87, 18976), (104, 19012), (140, 19051), (188, 19156), (301, 19333), (331, 19372), (334, 19375), (376, 19462), (385, 19483), (461, 19609), (495, 19681), (563,

19831), (568, 19840), (612, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 80

Candidate Starts for Yoncess_22:

(Start: 80 @15454 has 36 MA's), (Start: 100 @15493 has 15 MA's), (Start: 152 @15574 has 1 MA's), (Start: 154 @15580 has 2 MA's), (187, 15649), (241, 15727), (254, 15754), (334, 15865), (415, 15961), (517, 16090), (526, 16108), (563, 16177), (626, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 68

Candidate Starts for YorkOnyx_34:

(Start: 68 @28912 has 45 MA's), (156, 29068), (169, 29098), (176, 29110), (183, 29122), (188, 29137), (193, 29149), (286, 29308), (316, 29344), (353, 29404), (370, 29428), (386, 29440), (434, 29500), (496, 29590), (536, 29680), (548, 29704), (554, 29716), (594, 29782), (600, 29797), (611, 29821), (615, 29833),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 21

Candidate Starts for YoureAdopted_21:

(Start: 21 @15987 has 217 MA's), (48, 16104), (Start: 100 @16194 has 15 MA's), (108, 16215), (Start: 119 @16236 has 3 MA's), (141, 16263), (274, 16518), (336, 16599), (373, 16674), (390, 16689), (482, 16800), (500, 16842), (536, 16935), (548, 16959), (601, 17052), (617, 17091), (622, 17109),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 21

Candidate Starts for Yuna_22:

(Start: 21 @15278 has 217 MA's), (48, 15395), (Start: 80 @15458 has 36 MA's), (141, 15554), (187, 15656), (244, 15755), (274, 15809), (336, 15890), (437, 16043), (469, 16067), (500, 16133), (501, 16136), (502, 16139), (536, 16226), (596, 16328), (601, 16343), (617, 16382), (622, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 77

Candidate Starts for YungMoney_32:

(Start: 77 @26412 has 29 MA's), (135, 26508), (166, 26577), (169, 26583), (176, 26595), (178, 26598), (183, 26607), (188, 26622), (286, 26796), (314, 26829), (316, 26832), (414, 26949), (434, 26979), (518, 27114), (532, 27150), (554, 27192), (598, 27267), (607, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 21

Candidate Starts for Yunkel11_22:

(Start: 21 @15243 has 217 MA's), (48, 15360), (Start: 100 @15450 has 15 MA's), (108, 15471), (141, 15519), (274, 15774), (336, 15855), (373, 15930), (390, 15945), (482, 16056), (500, 16098), (529, 16176), (536, 16191), (548, 16215), (601, 16308), (617, 16347), (622, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 94

Candidate Starts for Yvonnetastic_44:

(Start: 94 @29619 has 2 MA's), (150, 29706), (183, 29772), (188, 29787), (191, 29793), (289, 29964), (336, 30021), (365, 30075), (388, 30099), (462, 30198), (473, 30216), (499, 30264), (511, 30282), (523, 30306), (613, 30474),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 21

Candidate Starts for Zabiza_22:

(Start: 21 @16018 has 217 MA's), (48, 16135), (Start: 100 @16225 has 15 MA's), (108, 16246), (Start: 119 @16267 has 3 MA's), (141, 16294), (274, 16549), (336, 16630), (373, 16705), (390, 16720), (482, 16831), (500, 16873), (536, 16966), (548, 16990), (601, 17083), (617, 17122), (622, 17140),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 72

Candidate Starts for Zaka_30:

(Start: 72 @18958 has 238 MA's), (87, 18976), (104, 19012), (140, 19051), (188, 19156), (301, 19333), (331, 19372), (334, 19375), (376, 19462), (385, 19483), (461, 19609), (495, 19681), (563, 19831), (568, 19840), (612, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 75

Candidate Starts for Zakai_17:

(Start: 75 @16068 has 61 MA's), (90, 16092), (104, 16122), (181, 16248), (227, 16320), (329, 16473), (331, 16476), (334, 16479), (350, 16509), (378, 16566), (393, 16590), (396, 16596), (448, 16665), (457, 16683), (469, 16704), (497, 16770), (519, 16833), (593, 16962), (600, 16974),

Gene: Zameen_18 Start: 16949, Stop: 17776, Start Num: 130

Candidate Starts for Zameen_18:

(Start: 130 @16949 has 36 MA's), (159, 17003), (171, 17030), (236, 17144), (239, 17150), (246, 17165), (336, 17288), (360, 17330), (365, 17339), (386, 17360), (451, 17444), (495, 17519), (579, 17663), (597, 17696),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 98

Candidate Starts for Zarbodnamra_18:

(Start: 98 @15786 has 6 MA's), (Start: 102 @15792 has 26 MA's), (188, 15948), (236, 16029), (292, 16128), (366, 16236), (437, 16320), (564, 16521), (592, 16563),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 60

Candidate Starts for Zaria_17:

(Start: 60 @15861 has 10 MA's), (Start: 75 @15879 has 61 MA's), (90, 15903), (104, 15933), (Start: 110 @15948 has 1 MA's), (141, 15981), (227, 16125), (272, 16206), (331, 16281), (334, 16284), (337, 16290), (361, 16335), (375, 16362), (393, 16395), (396, 16401), (426, 16434), (433, 16443), (448, 16470), (501, 16590), (519, 16638), (567, 16704), (571, 16710), (593, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 21

Candidate Starts for Zavala_22:

(Start: 21 @15992 has 217 MA's), (48, 16109), (Start: 100 @16199 has 15 MA's), (108, 16220), (Start: 119 @16241 has 3 MA's), (141, 16268), (274, 16523), (336, 16604), (373, 16679), (390, 16694), (482, 16805), (500, 16847), (536, 16940), (548, 16964), (601, 17057), (617, 17096), (622, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 62

Candidate Starts for ZenTime222_18:

(Start: 62 @16018 has 7 MA's), (85, 16045), (Start: 94 @16063 has 2 MA's), (195, 16240), (196, 16243), (241, 16318), (274, 16384), (288, 16411), (331, 16468), (337, 16477), (476, 16714), (487, 16738), (524, 16837), (531, 16858), (543, 16879), (566, 16918), (571, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 75

Candidate Starts for ZhongYanYuan_16:

(Start: 75 @15899 has 61 MA's), (90, 15923), (104, 15953), (155, 16034), (181, 16079), (329, 16304), (331, 16307), (334, 16310), (350, 16340), (378, 16397), (396, 16427), (448, 16496), (457, 16514), (492, 16589), (497, 16601), (519, 16664), (534, 16691), (571, 16754), (593, 16793), (600, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 102

Candidate Starts for ZiggyZoo_17:

(Start: 98 @15577 has 6 MA's), (Start: 102 @15583 has 26 MA's), (188, 15739), (236, 15820), (292, 15919), (366, 16027), (437, 16111), (488, 16177), (511, 16222), (564, 16312), (592, 16354),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 72

Candidate Starts for Zimmer_29:

(Start: 72 @21369 has 238 MA's), (118, 21444), (140, 21462), (155, 21498), (174, 21537), (301, 21744), (331, 21783), (334, 21786), (563, 22242),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 115

Candidate Starts for Zion_33:

(Start: 115 @28461 has 8 MA's), (139, 28485), (158, 28530), (187, 28590), (218, 28629), (269, 28725), (368, 28887), (381, 28920), (444, 28995), (455, 29019), (539, 29160), (563, 29196), (579, 29223), (608, 29280),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 70

Candidate Starts for Zipp_33:

(Start: 70 @29867 has 24 MA's), (123, 29954), (149, 29990), (165, 30026), (237, 30182), (239, 30185), (274, 30254), (321, 30317), (326, 30326), (377, 30416), (411, 30449), (412, 30452), (501, 30605), (517, 30647), (528, 30668), (541, 30695), (552, 30716), (556, 30725), (559, 30731), (580, 30764), (582, 30767), (605, 30812), (609, 30821), (616, 30833),

Gene: Zirinka_18 Start: 16952, Stop: 17779, Start Num: 130

Candidate Starts for Zirinka_18:

(Start: 130 @16952 has 36 MA's), (159, 17006), (171, 17033), (236, 17147), (239, 17153), (246, 17168), (336, 17291), (360, 17333), (365, 17342), (451, 17447), (495, 17522), (501, 17543), (579, 17666), (597, 17699),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 70

Candidate Starts for Zitch_35:

(Start: 70 @27751 has 24 MA's), (116, 27826), (123, 27838), (149, 27874), (165, 27910), (209, 28012), (237, 28066), (274, 28138), (277, 28144), (321, 28201), (326, 28210), (363, 28267), (377, 28300), (411, 28333), (412, 28336), (501, 28489), (514, 28522), (517, 28531), (528, 28552), (541, 28579), (552, 28600), (556, 28609), (559, 28615), (580, 28648), (582, 28651), (609, 28705), (616, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for ZoMa_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 23

Candidate Starts for ZoeJ_18:

(Start: 23 @13830 has 10 MA's), (27, 13839), (48, 13941), (Start: 100 @14031 has 15 MA's), (Start: 119 @14073 has 3 MA's), (Start: 121 @14076 has 1 MA's), (141, 14100), (186, 14199), (220, 14262), (244, 14301), (274, 14355), (334, 14433), (372, 14508), (437, 14586), (465, 14604), (482, 14634), (500, 14676), (501, 14679), (536, 14769), (548, 14793), (596, 14871), (601, 14886), (617, 14925), (622, 14943),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 79

Candidate Starts for Zolita_22:

(Start: 79 @18827 has 49 MA's), (140, 18923), (Start: 154 @18956 has 2 MA's), (155, 18959), (174, 18998), (196, 19046), (301, 19199), (317, 19217), (334, 19241), (355, 19283), (511, 19595), (563, 19697), (579, 19724),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 21

Candidate Starts for Zombie_17:

(6, 15144), (Start: 21 @15477 has 217 MA's), (48, 15597), (Start: 54 @15615 has 2 MA's), (Start: 80 @15660 has 36 MA's), (88, 15666), (118, 15729), (144, 15765), (175, 15834), (176, 15837), (186, 15858), (215, 15912), (244, 15957), (263, 15987), (334, 16089), (340, 16101), (346, 16113), (355, 16131), (465, 16296), (482, 16326), (493, 16344), (500, 16368), (549, 16488), (601, 16578), (615, 16611),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 72

Candidate Starts for Zulu_30:

(Start: 72 @18957 has 238 MA's), (87, 18975), (104, 19011), (140, 19050), (188, 19155), (301, 19332), (331, 19371), (334, 19374), (376, 19461), (385, 19482), (461, 19608), (495, 19680), (563, 19830), (568, 19839), (612, 19920),