

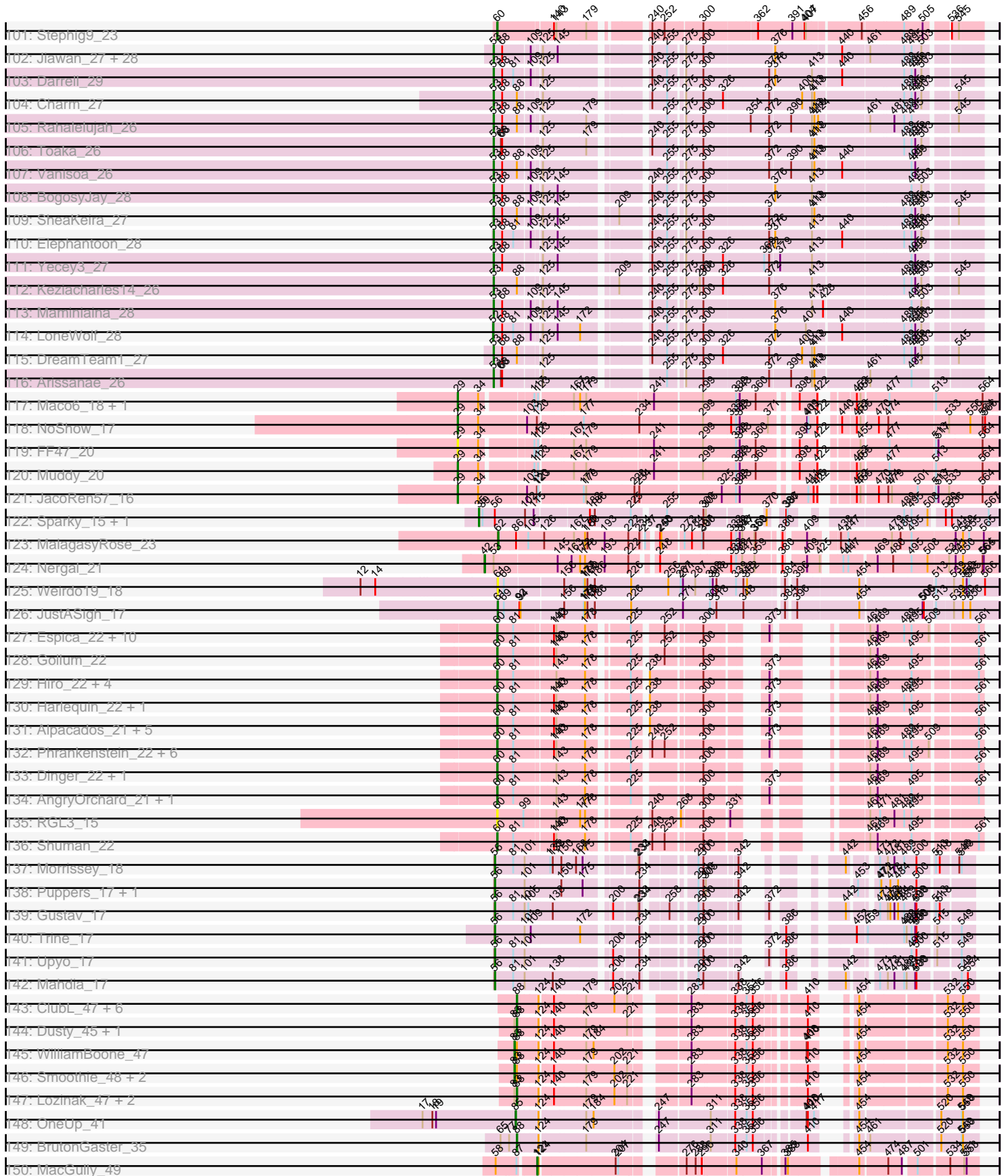
Pham 224116

1: Chargerpower_27	88	125	145	166	209	240	275	300	368	378	396	413	488	545		
2: Aneem_27 + 24	88	108	125	145	166	209	240	275	300	368	378	396	488	545		
3: Zimmer_29	88	108	125	145	166	209	240	275	300	368	378	396	488	545		
4: Refuge_30	21	88	108	125	145	166	218	253	275	300	368	378	396	488	545	
5: Pharaoh_27	88	108	125	145	166	209	240	275	300	368	378	396	488	545		
6: DarthPhader_28	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
7: Steamy_28	88	108	125	145	166	184	209	240	275	300	368	378	396	488	545	
8: Pniel_22	88	88	108	125	145	166	209	240	275	300	368	378	396	488	545	
9: Gail_26	88	88	108	125	145	166	209	240	275	300	368	378	396	488	545	
10: Jeeves_26	88	88	108	125	145	166	209	240	275	300	368	378	396	488	545	
11: SororFago_26	88	88	108	125	145	166	209	240	275	300	368	378	396	488	545	
12: Luchador_28	51	81	108	125	145	166	184	209	240	275	300	368	378	396	488	545
13: Sunhee_26	51	81	108	125	145	166	184	209	240	275	300	368	378	396	488	545
14: Anon_27	51	81	108	125	145	166	184	209	240	275	300	368	378	396	488	545
15: Boonoo_29 + 20	86	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
16: Nedarya_28	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
17: Lucyedl_28 + 2	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
18: 40AC_30	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
19: SemperFI_29 + 10	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
20: Trooper_27	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
21: Tipsythe1Rex_26	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
22: Benvolio_27 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
23: Bradman_26 + 2	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
24: RedRock_30	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
25: Herbertwm_24	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
26: Odin_26	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
27: JoshKayV_29 + 13	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
28: Najl_30 + 5	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
29: Centaur_29 + 12	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
30: Larenn_28 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
31: Journey13_25	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
32: Adzzy_28 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
33: IronVian_29	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
34: Retro23_27 + 2	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
35: L5_27 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
36: Pnaded_30 + 3	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
37: MissWhite_27	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
38: Heifaump_29	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
39: Kerberos_30	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
40: BobSwaget_30 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
41: NothingSpecial_29	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
42: AIN8_30 + 4	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
43: StarStuff_30	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
44: AnnaL29_30	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
45: Loser_30	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
46: AIN3_27	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
47: Iwokeupikedis_28	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
48: Superchunk_26 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
49: DBQu4n_30 + 1	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	
50: Pukovnik_29	88	108	125	145	166	178	209	240	275	300	368	378	396	488	545	

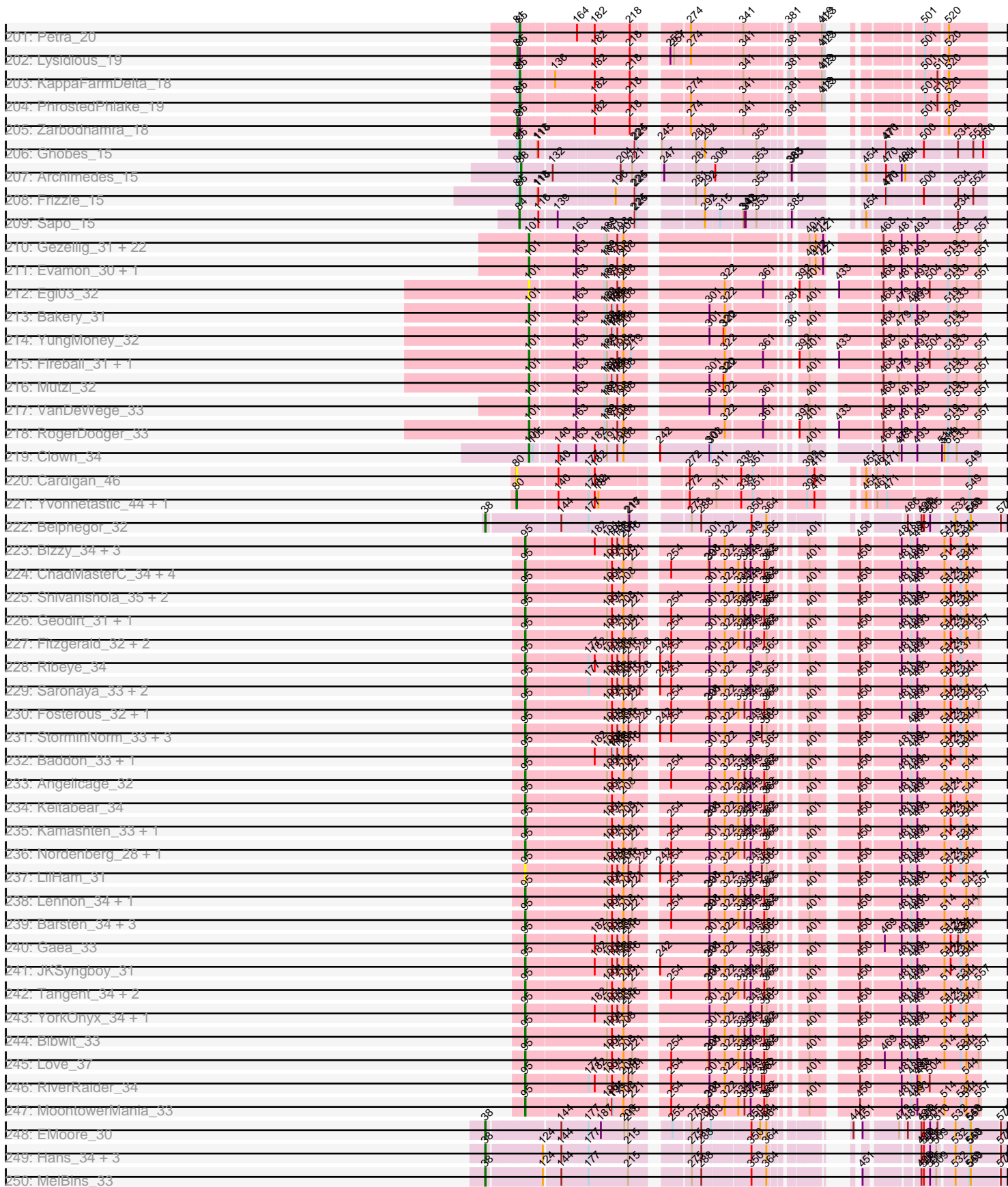
Pham 224116

51: NicoleTera_31	88	125	145	166				275	300	326	354		401	427				
52: LionsBait_28	88	108	125	166				275	300	326	354		401	427		461	488	495
53: Serenity_26	88	108	125	145	166			240	258	275	300	326	354	401	427		461	488
54: TarsusIV_27	88	108	125	145	166			275	300	326	354		401	427		461	488	495
55: EZIMoney23_31	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
56: Trixie_30	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
57: WeiHuaDA_33	88	108	125	145	166			275	300	326	354		401	427		461	488	495
58: Miko_30 + 1	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
59: Kaipine_30	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
60: Acolyte_27	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
61: 20ES_27	88	108	125	145	166			275	300	326	354		401	427		461	488	495
62: Deloris_28 + 1	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
63: HarryHoudini_29	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
64: LadyBird_27 + 1	88	108	125	145	166			275	300	326	354		401	427		461	488	495
65: BabyBack_29 + 1	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
66: Che12_29	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
67: Jsquared_26	88	108	125	145	166			238	275	300	326	354	372	401	427		461	488
68: Leogania_29 + 1	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
69: SwinSquare_29	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
70: Tristan_28	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
71: Colin_31	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
72: Changeing_29	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
73: XianYue_27	88	108	125	145	166			275	300	326	354		401	427		461	488	495
74: ArcherNIM_29	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
75: First_0027	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
76: Anthony_26	88	108	125	145	166			208	275	300	326	354	372	401	427		461	488
77: FatCactus_25	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
78: Kimmap_27	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
79: Micasa_23 + 7	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
80: Archetta_23 + 7	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
81: PickleBack_23 + 5	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
82: Theta_21 + 1	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
83: Chadwick_24 + 1	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
84: Midas2_23 + 3	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
85: PeiterN_24	88	108	125	145	166			240	275	300	326	354	372	401	427		461	488
86: LittleCherry_23 + 2	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
87: UnionJack_23 + 1	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
88: ElTiger69_23	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
89: Scorpio_24 + 1	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
90: Jabiru_23	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
91: Jeffabunny_30 + 17	88	108	125	145	166			238	275	300	326	354	372	401	427		461	488
92: Davinci_30 + 21	88	108	125	145	166			238	275	300	326	354	372	401	427		461	488
93: Indra_30 + 3	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
94: Ritter_30	88	108	125	145	166			275	300	326	354	372	401	427		461	488	495
95: Koko_30	88	108	125	145	166			238	275	300	326	354	372	401	427		461	488
96: Candra_30	88	108	125	145	166			238	275	300	326	354	372	401	427		461	488
97: Bilimi_30 + 1	88	108	125	145	166			238	275	300	326	354	372	401	427		461	488
98: PP_36	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
99: Smeadley_23 + 7	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461
100: Phinis_23 + 1	88	108	125	145	166			240	258	275	300	326	354	372	401	427		461

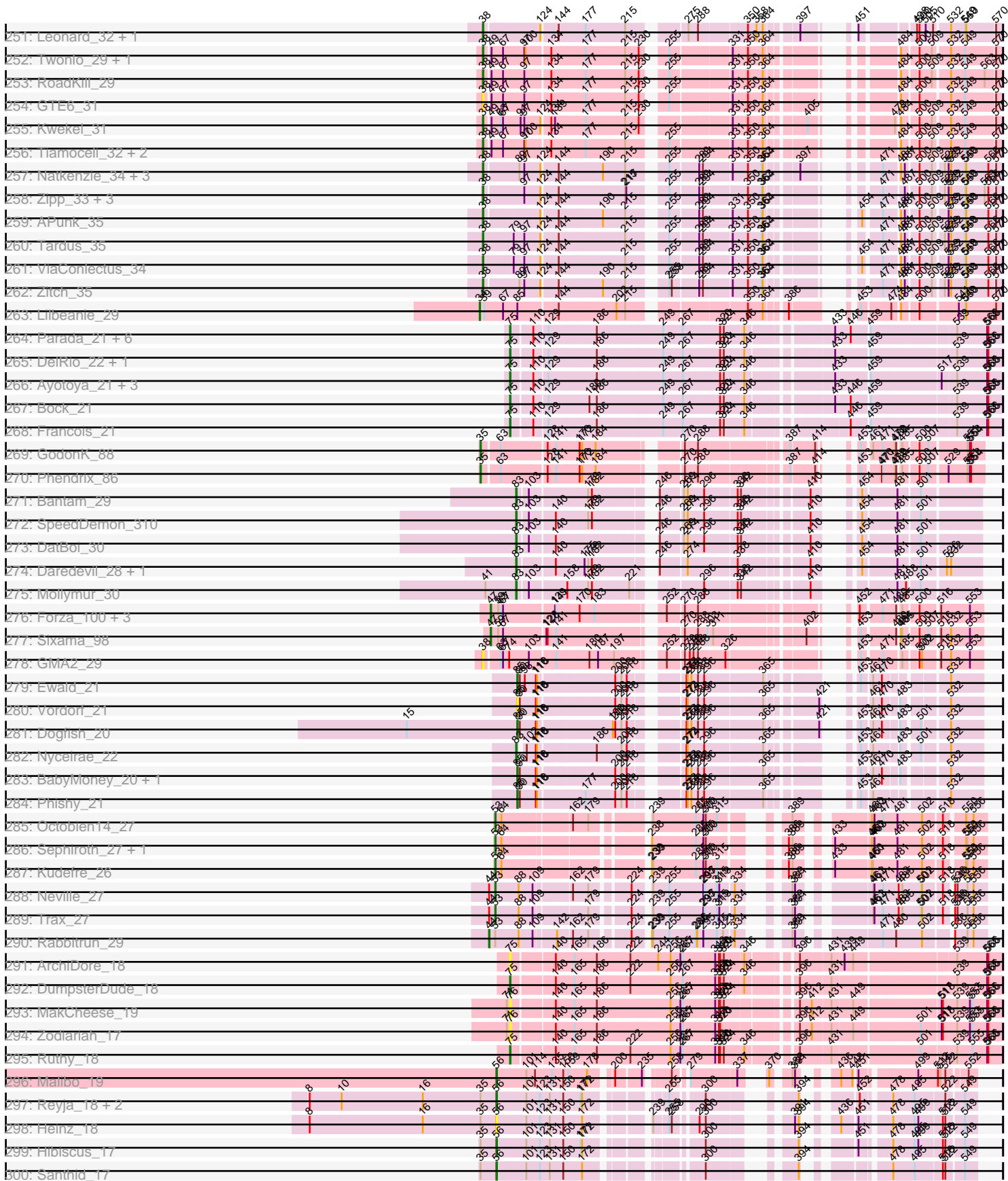
Pham 224116



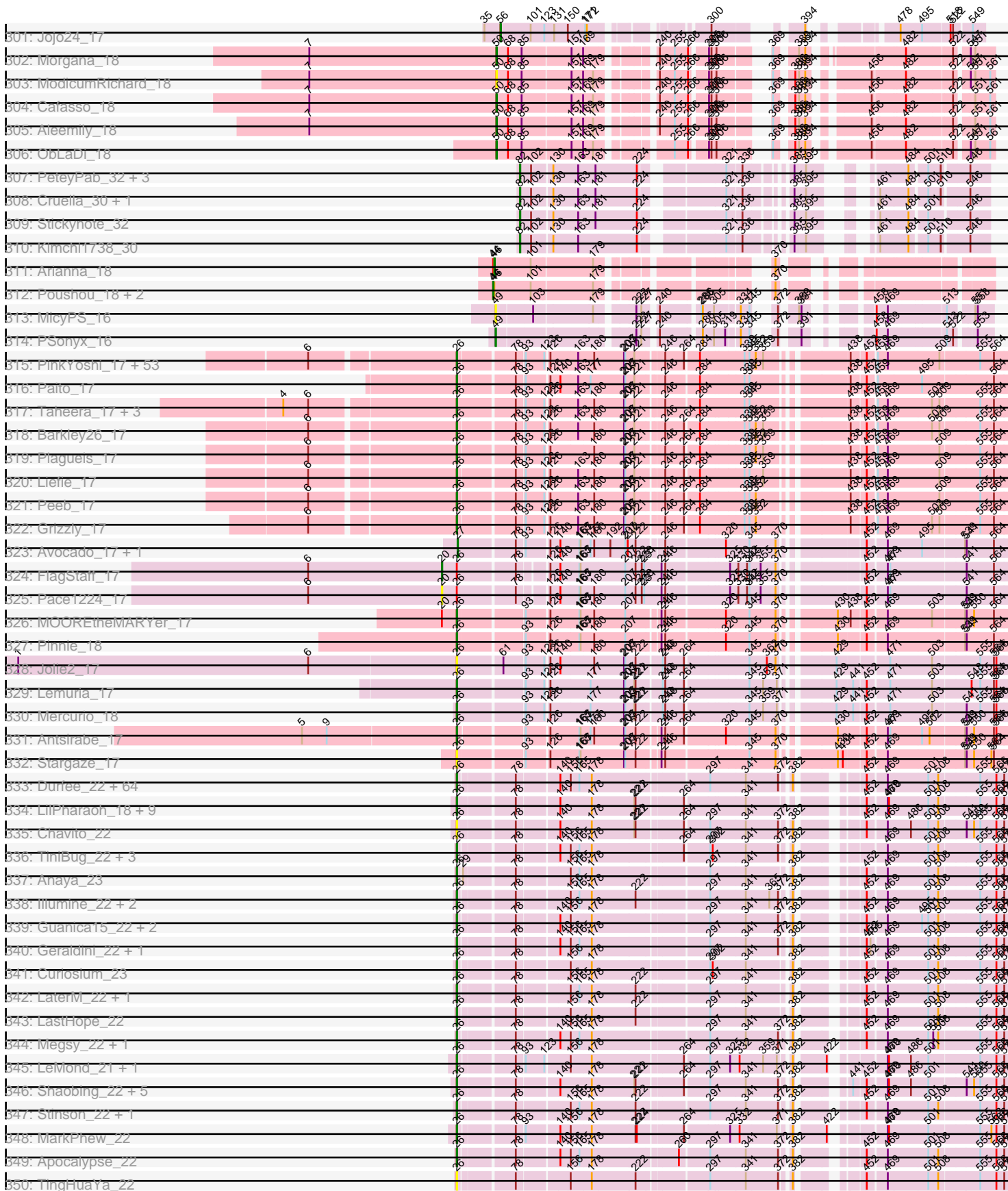
Pham 224116



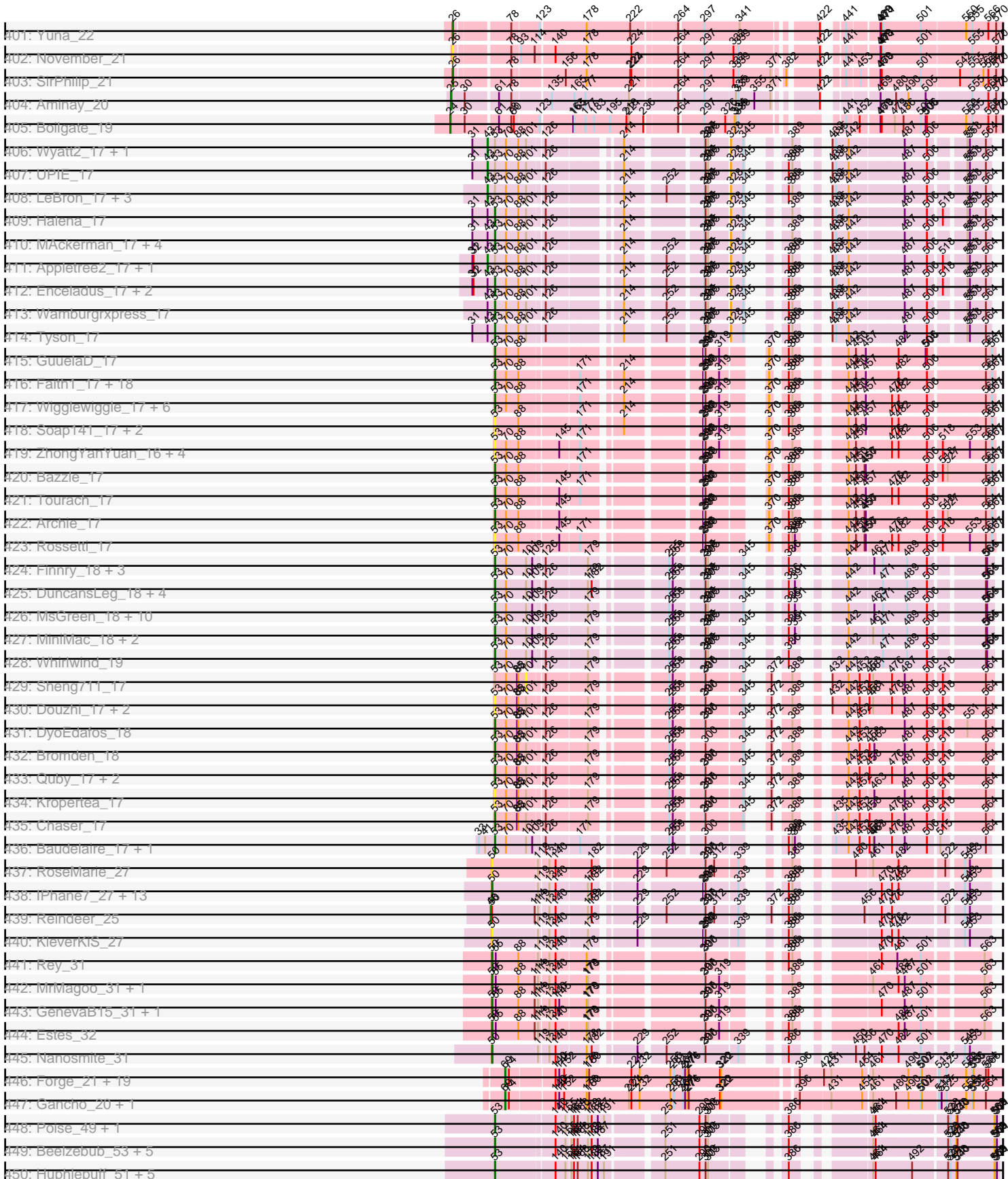
Pham 224116



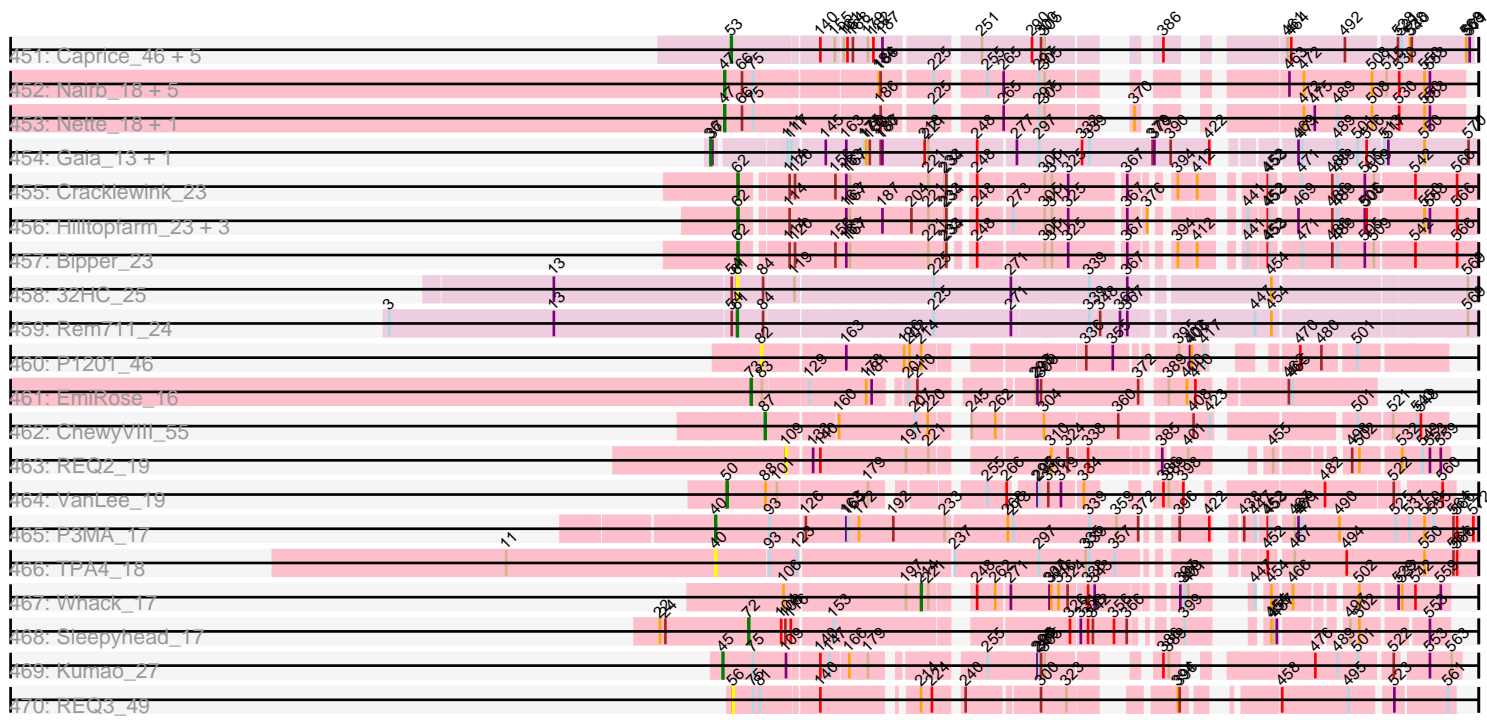
Pham 224116



Pham 224116



Pham 224116



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 224116 Report

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

Pham number 224116 has 1184 members, 155 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_27
- Track 2 : Aneem_27, Insomnia_27, Flaverint_27, Salz_27, Hutc2_27, Bachome_27, Orange_27, Jabith_27, Ebony_27, Sham4_27, TinyTimmy_27, Joselito_27, Gilberta_27, Et2Brutus_26, Bowtie_27, Mabel_27, MaCh_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, Oofda_30, Looper_30, MinecraftSteve_30, Remus_29, Rosalind_29, Nebulosus_29, JSwag_29, Battleship_30, ShayRa_30, ReMo_29, Waits_29, KatherineG_29, Soups_29, Switzerland_29, Epsocamisio_29, LastResort_29, Warrior24_30, Anaysia_29
- Track 16 : Nedarya_28
- Track 17 : Lucyedi_28, EagleEye_29, PainterBoy_28
- Track 18 : 40AC_30
- Track 19 : SemperFi_29, QueenBeesly_27, Georgie2_28, Anselm_27, SnapTap_27, SweetiePie_27, FiringLine_27, Crucio_27, Fameo_27, QueenB2_27, Power_27
- Track 20 : Trooper_27
- Track 21 : TipsytheTRex_26
- Track 22 : Benvolio_27, Echild_27
- Track 23 : Bradman_26, MajorMajor_26, Quokka_25
- Track 24 : RedRock_30
- Track 25 : Herbertwm_24
- Track 26 : Odin_26
- Track 27 : JoshKayV_29, AbbyPaige_29, Dignity_29, KingCyrus_29, Whabigail7_29, Jerm_29, Buggy_29, Leviathan_29, LilTurb_29, Smeagan_29, Turbido_29, EvilGenius_29, ChipMunk_29, Agape74_29
- Track 28 : Naji_30, D32_30, Tomathan_30, D29_27, Pomar16_30, Travvers_30

- Track 29 : Centaur_29, Equemioh13_29, Flare16_27, Baehexic_28, Gratitude_28, Sknot_28, Drake55_29, NaSiaTalie_27, Piro94_28, Terrific_31, MiculUcigas_27, WideWale_29, Updawg_29
- Track 30 : Larenn_28, Malec_28
- Track 31 : Journey13_25
- Track 32 : Adzzy_28, Ph8s_28
- Track 33 : IronMan_29
- Track 34 : Retro23_27, Dalmatian_27, DudeLittle_27
- Track 35 : L5_27, Koduck_27
- Track 36 : Phaded_30, Bactobuster_28, Jaan_30, Landor_28
- Track 37 : MissWhite_27
- Track 38 : Heffalump_29
- 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 : AN3_27
- Track 47 : Iwokeuplikedis_28
- Track 48 : Superchunk_26, Caraxes_26
- Track 49 : DBQu4n_30, Duplo_30
- Track 50 : Pukovnik_29
- Track 51 : NicoleTera_31
- Track 52 : LionsBait_28
- Track 53 : Serenity_26
- Track 54 : TarsusIV_27
- Track 55 : EZMoney23_31
- Track 56 : Trixie_30
- Track 57 : WeiHuaDA_33
- Track 58 : Miko_30, Lokk_30
- Track 59 : Kalpine_30
- Track 60 : Acolyte_27
- Track 61 : 20ES_27
- Track 62 : Deloris_28, BengiVuitton_28
- Track 63 : HarryHoudini_29
- Track 64 : LadyBird_27, CRB1_27
- Track 65 : BabyBack_29, GaugeLDP_29
- Track 66 : Che12_29
- Track 67 : Jsquared_26
- Track 68 : Leogania_29, BiancaTri92_29
- Track 69 : SwirlSquare_29
- Track 70 : Tristan_28
- Track 71 : Colin_31
- Track 72 : Changeling_29
- Track 73 : XianYue_27
- Track 74 : ArcherNM_29
- Track 75 : First_0027
- Track 76 : Anthony_26
- Track 77 : FatCactus_25
- Track 78 : Kinmap_27

- Track 79 : Micasa_23, Tarynearal_22, George_22, Cuco_23, Milcery_23, HuhtaEnerson15_23, Prin Ashe11_24, Swirley_23
- Track 80 : Archetta_23, Bluefalcon_22, ForGetIt_23, Jovo_23, Ghoulboy_23, Zolita_22, Conspiracy_23, SydNat_23
- Track 81 : PickleBack_23, Lev2_23, Phlorence_23, Aragog_23, Discoknowium_23, AgentM_23
- Track 82 : Theia_21, Twigg_23
- Track 83 : Chadwick_24, Naca_23
- Track 84 : Midas2_23, Dublin_22, MarysWell_22, Coog_23
- Track 85 : PetterN_24
- Track 86 : LittleCherry_23, Bonamassa_23, Tiger_23
- Track 87 : UnionJack_23, Airmid_23
- Track 88 : EITiger69_23
- Track 89 : Scorpia_24, Benedict_23
- Track 90 : Jabiru_23
- Track 91 : Jeffabunny_30, CloudWang3_30, Gladiator_30, Blue7_30, Wiks_30, Tucker_30, Hammer_30, Zaka_30, Lilbunny_30, Yokurt_30, Gruunaga_30, Roksolana_30, BlessJoy_30, Hexamo_30, ToneTone_28, Artemis2UCLA_30, Zulu_30, WunderPhul_30
- Track 92 : DaVinci_30, SuperAwesome_30, JewelBug_30, Polyphemus_29, GreedyLawyer_30, SuperCallie99_30, Neeharika16_30, Pmask_30, Isiphiwo_30, EricB_30, McFly_30, SmellyB_30, VohminGhazi_30, BABullseye_30, Newrala_30, Chartreuse_30, Kipper29_30, Dorothea_30, Jordennis_30, Cookiedough_30, Kazan_30, Hoot_30
- Track 93 : Indra_30, Garak_31, Helmet_31, Temprado_31
- Track 94 : Rifter_30
- Track 95 : Koko_30
- Track 96 : Candra_30
- Track 97 : Blinn1_30, Priamo_30
- Track 98 : PP_36
- Track 99 : Smeadley_23, NearlyHeadless_23, Danforth_22, Expelliarmus_22, Dixon_23, Roary_23, Astro_23, Saintus_23
- Track 100 : Phillis_23, Groundhog_22
- Track 101 : Stephig9_23
- Track 102 : Jiawan_27, Conquerage_28, Phaeder_28, Spouty_28, Beemo_28, ExplosioNervosa_28, RyeScarlet_29, EmyBug_28, Aliter_28, Lilleskat_26, Tubs_28, Hanray_27, Priya_28, Catalina_28, EdogawaKiddo_26, Onglai_27, Scherzo_28, Alma_28, Eidsmoe_28, Ugenie5_25, Qobbit_28, Pioneer_28, PackMan_28, Fayely_28, Myxus_28, Phonnegut_28, Halex_27, Sachima_26, HortumSL17_28
- Track 103 : Darrell_29
- Track 104 : Charm_27
- Track 105 : Rahalelujah_26
- Track 106 : Toaka_26
- Track 107 : Vanisoa_26
- Track 108 : BogosyJay_28
- Track 109 : SheaKeira_27
- Track 110 : Elephantoon_28
- Track 111 : Yecey3_27
- Track 112 : Keziacharles14_26
- Track 113 : Maminiaina_28
- Track 114 : LoneWolf_28
- Track 115 : DreamTeam1_27
- Track 116 : Arissanae_26

- Track 117 : Maco6_18, 8UZL_20
- Track 118 : NoShow_17
- Track 119 : FF47_20
- Track 120 : Muddy_20
- Track 121 : JacoRen57_16
- Track 122 : Sparky_15, Farewell_15
- Track 123 : MalagasyRose_23
- Track 124 : Nergal_21
- Track 125 : Weirdo19_18
- Track 126 : JustASigh_17
- Track 127 : Espica_22, UhSalsa_22, Naiad_22, Belenaria_22, RER2_15, Swann_22, StCroix_22, Alatin_22, Natosaleda_22, RexFury_22, Nancinator_22
- Track 128 : Gollum_22
- Track 129 : Hiro_22, Krishelle_22, PhailMary_21, AppleCloud_20, Jester_22
- Track 130 : Harlequin_22, Bryce_22
- Track 131 : Alpacados_21, BobbyDazzler_22, Bonanza_22, Yoncess_22, Yogi_22, Rasputin_22
- Track 132 : Phrankenstein_22, CosmicSans_22, TWAMP_22, Bradshaw_22, Lillie_22, Erik_22, Rhodalysa_22
- Track 133 : Dinger_22, Partridge_22
- Track 134 : AngryOrchard_21, Takoda_22
- Track 135 : RGL3_15
- Track 136 : Shuman_22
- Track 137 : Morrissey_18
- Track 138 : Puppies_17, Widow_17
- Track 139 : Gustav_17
- Track 140 : Trine_17
- Track 141 : Upyo_17
- Track 142 : Mahdia_17
- Track 143 : ClubL_47, Cucurbita_49, Aphelion_47, Bachita_49, Toniann_47, Geeche_46, PhinkBoden_47
- Track 144 : Dusty_45, Abscondus_46
- Track 145 : WilliamBoone_47
- Track 146 : Smoothie_48, Norvs_48, Culver_47
- Track 147 : Lozinak_47, Miskis_45, Engineer_48
- Track 148 : OneUp_41
- Track 149 : BrutonGaster_35
- Track 150 : MacGully_49
- Track 151 : Flapper_44
- Track 152 : Dalilpop_45
- Track 153 : Turuncu_44
- Track 154 : GRU1_30
- Track 155 : GTE5_31
- Track 156 : NosilaM_43
- Track 157 : GrootJr_42, Wheezy_40, Emianna_40, Jifall16_39, Kurt_40, KidneyBean_40, Tracker_40, Arti_40, NatB6_40, Phomeo_39, Foxboro_41, NovumRegina_40
- Track 158 : Outis_41, MerCougar_41, StarStruck_41
- Track 159 : Kabluna_43
- Track 160 : Commandaria_42
- Track 161 : Bonum_43
- Track 162 : Buggaboo_41, SuperSulley_41
- Track 163 : GTE8_29

- Track 164 : Ennea_46, Lollipop1437_45
- Track 165 : RedRaider_47
- Track 166 : Patio_43, Skysand_42, Float294_42
- Track 167 : Yndexa_42, Sukkupi_42, BiPauneto_43
- Track 168 : IDyn_41
- Track 169 : HubbaBubba_38
- Track 170 : Marietta_42
- Track 171 : WhoseManz_42
- Track 172 : NadineRae_40
- Track 173 : Pleakley_49, Fury_49
- Track 174 : Scuba_49
- Track 175 : Maselop_44, Polyuyuki_44, CoffeeBean_44, Apiary_44, Braxoaddie_44
- Track 176 : GuyFagieri_44
- Track 177 : Goib_22
- Track 178 : Banquo_25, TinaLin_24
- Track 179 : DinoDaryn_23, Huffy_23, TZGordon_23
- Track 180 : Vendetta_21, Splinter_21
- Track 181 : Gspu1_19
- Track 182 : Dardanus_23
- Track 183 : Schmidt_19
- Track 184 : Catfish_21
- Track 185 : Malachai_19, Begonia_19
- Track 186 : Jalammah_20, Samba_18
- Track 187 : Delian_18, UmaThurman_18, CaptainKirk2_18, Mellie_17, Hitter_18, Obliviate_17, ZiggyZoo_17, Walrus_19
- Track 188 : Archis_19
- Track 189 : Barco_18, Melba_18, Guacamole_18
- Track 190 : Wisp_17
- Track 191 : Blino_18, CarolAnn_18
- Track 192 : JuJu_18
- Track 193 : PCoral7_18, William_18, PrincePatrick_18, Fairfaxidum_18, Toast_18
- Track 194 : Murp_18
- Track 195 : Pipp_18
- Track 196 : JasperJr_18, MintFen_18, BlingBling_18, Utz_18
- Track 197 : Blueberry_20, MissRona_20, Gambino_20, Azula_20
- Track 198 : Fenry_17
- Track 199 : Wocket_19
- Track 200 : Frokostdame_18
- Track 201 : Petra_20
- Track 202 : Lysidious_19
- Track 203 : KappaFarmDelta_18
- Track 204 : PhrostedPhlake_19
- Track 205 : Zarbodnamra_18
- Track 206 : Ghobes_15
- Track 207 : Archimedes_15
- Track 208 : Frizzle_15
- Track 209 : Sapo_15
- Track 210 : 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, Fugax_32, PinkCoffee_32, Shinji_30, Barb_32, Twister6_32, CherryCola_34, ClamChowder_32, Jambalaya_30, KimmyK_32, Halo3_31
- Track 211 : Evamon_30, Salvador_30

- Track 212 : Egi03_32
- Track 213 : Bakery_31
- Track 214 : YungMoney_32
- Track 215 : Fireball_31, TillyBobJoe_30
- Track 216 : Mutzi_32
- Track 217 : VanDeWege_33
- Track 218 : RogerDodger_33
- Track 219 : Clown_34
- Track 220 : Cardigan_46
- Track 221 : Yvonetastic_44, JonJames_46
- Track 222 : Belphegor_32
- Track 223 : Bizzy_34, Kroos_34, Kwobi_34, Tycho_33
- Track 224 : ChadMasterC_34, McKinley_36, Rofo_34, Vivi2_36, Paries_36
- Track 225 : Shivanishola_35, Sedona_34, Affeca_32
- Track 226 : Geodirt_31, Kewpiedoll_33
- Track 227 : Fitzgerald_32, BobBob_31, Charming_34
- Track 228 : Ribeye_34
- Track 229 : Saronaya_33, Gustavo_33, Tangerine_33
- Track 230 : Fosterous_32, FuegoCuervo_36
- Track 231 : StorminNorm_33, Ashertheman_34, Baumdotcom_33, SchottB_32
- Track 232 : Baddon_33, Derg_29
- Track 233 : Angelicage_32
- Track 234 : Keitabear_34
- Track 235 : Kamashten_33, Thing3_33
- Track 236 : Nordenberg_28, Brandonk123_35
- Track 237 : LilHam_31
- Track 238 : Lennon_34, Sitar_34
- Track 239 : Barsten_34, Sanjuju_32, Ailee_32, Jabberwocky_32
- Track 240 : Gaea_33
- Track 241 : JKSyngboy_31
- Track 242 : Tangent_34, Galadriel_34, Stultus_32
- Track 243 : YorkOnyx_34, Flatwoods_34
- Track 244 : Bibwit_33
- Track 245 : Love_37
- Track 246 : RiverRaider_34
- Track 247 : MoontowerMania_33
- Track 248 : EMOore_30
- Track 249 : Hans_34, Ali17_30, Phauci_25, Inspectinfecti_33
- Track 250 : MelBins_33
- Track 251 : Leonard_32, Phinally_32
- Track 252 : Twonlo_29, Dxdert_32
- Track 253 : RoadKill_29
- Track 254 : GTE6_31
- Track 255 : Kwekel_31
- Track 256 : Tiamoceli_32, Chickadee_31, EdmundFerry_30
- Track 257 : Natkenzie_34, Sampson_34, Abblin_34, Scioto_34
- Track 258 : Zipp_33, DoctorFroggo_33, Verity_33, Delrey21_33
- Track 259 : APunk_35
- Track 260 : Tardus_35
- Track 261 : ViaConlectus_34
- Track 262 : Zitch_35
- Track 263 : Lilbeanie_29

- Track 264 : Parada_21, Brylie_21, Mulch_21, NancyRae_21, WheatThin_21, BetterKatz_21, Nadeem_21
- Track 265 : DelRio_22, Pimento_22
- Track 266 : Ayotoya_21, Hamood_21, Chop_21, GrandSlam_21
- Track 267 : Bock_21
- Track 268 : Francois_21
- Track 269 : GodonK_88
- Track 270 : Phendrix_86
- Track 271 : Bantam_29
- Track 272 : SpeedDemon_310
- Track 273 : DatBoi_30
- Track 274 : Daredevil_28, Towmatter_28
- Track 275 : Mollymur_30
- Track 276 : Forza_100, Mareelih_98, Boopy_100, BlueNGold_99
- Track 277 : Sixama_98
- Track 278 : GMA2_29
- Track 279 : Ewald_21
- Track 280 : Vordorf_21
- Track 281 : Dogfish_20
- Track 282 : Nyceirae_22
- Track 283 : BabyMoney_20, Meyran_20
- Track 284 : Phishy_21
- Track 285 : Octobien14_27
- Track 286 : Sephiroth_27, Syleon_27
- Track 287 : Kudrefre_26
- Track 288 : Neville_27
- Track 289 : Trax_27
- Track 290 : Rabbitrun_29
- Track 291 : ArchiDore_18
- Track 292 : DumpsterDude_18
- Track 293 : MakCheese_19
- Track 294 : Zodiariah_17
- Track 295 : Ruthy_18
- Track 296 : Malibo_19
- Track 297 : Reyja_18, DonkeyMan_17, Tarzan_17
- Track 298 : Heinz_18
- Track 299 : Hibiscus_17
- Track 300 : Santhid_17
- Track 301 : Jojo24_17
- Track 302 : Morgana_18
- Track 303 : ModicumRichard_18
- Track 304 : Cafasso_18
- Track 305 : Aleemily_18
- Track 306 : ObLaDi_18
- Track 307 : PeteyPab_32, Zion_33, Darwin_33, PotatoChip_33
- Track 308 : Cruella_30, C3PO_30
- Track 309 : Stickynote_32
- Track 310 : Kimchi1738_30
- Track 311 : Arianna_18
- Track 312 : Poushou_18, TouchMeNot_18, Colleen_18
- Track 313 : MicyPS_16
- Track 314 : PSonyx_16

- Track 315 : PinkYoshi_17, Jolene_17, Zombie_17, Gideon_17, CassieYates_17, Angel_17, OctaviousRex_17, ECartman_17, Periodt_17, Avrafan_17, Sizemore_17, Schiebel_17, CLED96_17, Hope_17, Hotshotbaby7_17, Marmie_17, Cedasite_17, Renaissance_17, AzulaCat_17, BPs_17, ZoMa_17, BQuat_17, Coleslaw_17, GoldenAsh_17, DMoney_17, DNAIII_0017, Crespo_17, Cherrybomb426_17, Aroostook_17, Annihilator_17, Phreak_17, Mowgli_17, Kareem_17, BruceB_17, Darionha_17, Frosty24_17, Gomashi_17, Sweets_17, Remy19_17, TomBrady_17, Kasen3_17, Halo_17, Maliketh_17, Olga_17, Chance64_17, Camri_17, JorRay_17, ShaboiShabazz_17, Jane_17, LouisV14_17, Wendigo_17, Jonghyun_17, Phish_17, TinaBug_17
- Track 316 : Paito_17
- Track 317 : Taheera_17, Terror_17, Rabbs_17, Sneeze_17
- Track 318 : Barkley26_17
- Track 319 : Plagueis_17
- Track 320 : Liefie_17
- Track 321 : Peeb_17
- Track 322 : Grizzly_17
- Track 323 : Avocado_17, Cambiare_18
- Track 324 : FlagStaff_17
- Track 325 : Pace1224_17
- Track 326 : MOOREtheMARYer_17
- Track 327 : Pinnie_18
- Track 328 : Jolie2_17
- Track 329 : Lemuria_17
- Track 330 : Mercurio_18
- Track 331 : Antsirabe_17
- Track 332 : Stargaze_17
- Track 333 : Durfee_22, Joy99_22, Adonis_22, Zavala_22, HedwigODU_22, Dalmuri_22, Inky_22, TreyKay_22, CREW_22, BGlluviae_22, Jeckyll_22, CallaLilly_23, Veliki_22, Clipper_24, Sulley_22, Ramen_22, Rapunzel97_22, Pokerus_21, Boiiii_22, Belladonna_22, CheetoDust_22, Peel_22, Angelica_22, Jayhawk_22, Tiri_22, Mynx_22, Asayake_22, Ganymede_23, MacKat_23, AlishaPH_22, Twitch_22, Emerson_22, BarrelRoll_22, Adephagia_22, Deby_22, Piatt_22, Blizzard_22, BaghaKamala_22, JAWS_22, Slimphazie_22, Prithvi_22, BEEST_22, Beezoo_22, CrimD_22, CaseJules_22, Capricorn_22, YoureAdopted_21, Hyperbowlee_22, Jarvi_22, Spock_22, QuincyRose_21, LindNT_22, TruffulaTree_22, Tachez_22, Topper_22, Padpat_22, Llorens_22, Atiba_22, ActinUp_22, Homura_22, Padfoot_22, Rosmarinus_22, ShiaSurprise_22, Zabiza_22, Lunahalos_22
- Track 334 : LilPharaoh_18, Nutello_18, SgtBeansprout_18, Mdavu_18, Enkosi_18, Amelie_18, Biglebops_18, Torres_18, Teejan_18, Nikao_18
- Track 335 : Chavito_22
- Track 336 : TiniBug_22, DrHayes_22, Urkel_22, SamuelLPlaqson_22
- Track 337 : Anaya_23
- Track 338 : Illumine_22, Devera_22, Dole_22
- Track 339 : Guanica15_22, Efra2_22, Yunkel11_22
- Track 340 : Geraldini_22, MeaningOfLife_22
- Track 341 : Curiosium_23
- Track 342 : LaterM_22, Murucutumbu_22
- Track 343 : LastHope_22
- Track 344 : Megsy_22, TaiwanKao_23
- Track 345 : LeMond_21, Oscar_21
- Track 346 : Shaobing_22, Dartin_22, Peanam_22, Richo_22, McMater_22, Niklas_22

- Track 347 : Stinson_22, Ageofdapage_22
- Track 348 : MarkPheW_22
- Track 349 : Apocalypse_22
- Track 350 : TingHuaYa_22
- Track 351 : Bella96_22
- Track 352 : Bern_24
- Track 353 : Nibb_21
- Track 354 : Chris_21
- Track 355 : KiSi_21
- Track 356 : Validus_22
- Track 357 : Scarlett_21
- Track 358 : Findley_18, Strobilo_18, DismalFunk_18, Milly_18, DismalStressor_18, Marcoliusprime_18
- Track 359 : ZoeJ_18
- Track 360 : BoostSeason_18, Mufasa_18
- Track 361 : TM4_18
- Track 362 : Doughnut_18
- Track 363 : MacnCheese_22
- Track 364 : Pixie_21
- Track 365 : TBond007_21
- Track 366 : ShedlockHolmes_21, Lea83_22
- Track 367 : Pharb_21
- Track 368 : TribbleTrouble_20
- Track 369 : Hurricane_21
- Track 370 : Keshu_21
- Track 371 : Bobquesha_24, MissDaisy_23, Patt_23
- Track 372 : Fionnbharth_23, Kraw_24, Y10_23, Wintermute_23, Malthus_24, Y2_23, JF1_23
- Track 373 : SamScheppers_21, OmniCritical_23, Lebo14_24, Taquito_21, Mitti_23
- Track 374 : Eponine_23, Juliette_23, Ruthiejr_22
- Track 375 : Cheetobro_23, Slarp_23, Chancellor_23
- Track 376 : Reptar3000_23
- Track 377 : Omnicron_20
- Track 378 : InvictusManeo_20, ViviJ_19, Agent47_20, Collard_20
- Track 379 : AlleyCat_20, Edugator_19, Neighly_20, Psycho_20, Larva_20
- Track 380 : Heftyboy_20, Gengar_20, SoSeph_20
- Track 381 : Miryou_20, Thyatira_20
- Track 382 : Guillsminger_20, Leston_20, Paola_20
- Track 383 : Waterfoul_20, Feyre_20
- Track 384 : Rando14_20
- Track 385 : Dadosky_20
- Track 386 : OkiRoe_20
- Track 387 : Kratio_19
- Track 388 : Phrank_21, Bryler_21, Cain_21, Tierra_21
- Track 389 : Ellie_19, Applecrisp_21, Fefferhead_21
- Track 390 : Amgine_20
- Track 391 : Shadow1_20, Sunflower1121_20
- Track 392 : Ekdilam_19
- Track 393 : Amohnition_21
- Track 394 : Hammy_21, DarthP_21
- Track 395 : Marshawn_23
- Track 396 : Syra333_21
- Track 397 : Ximenita_22

- Track 398 : PhelpsODU_21, Unicorn_21
- Track 399 : TClif_21
- Track 400 : Krueger_21
- Track 401 : Yuna_22
- Track 402 : November_21
- Track 403 : SirPhilip_21
- Track 404 : Aminay_20
- Track 405 : Boilgate_19
- Track 406 : Wyatt2_17, Acquire49_17
- Track 407 : UPIE_17
- Track 408 : LeBron_17, Calm_17, Zaria_17, CicholasNage_17
- Track 409 : Halena_17
- Track 410 : MACKerman_17, AvadaKedavra_17, Silverleaf_17, Rose5_17, Poochiewood_17
- Track 411 : Appletree2_17, JoeDirt_17
- Track 412 : Enceladus_17, DirkDirk_17, OhShagHennessy_17
- Track 413 : Wamburgxpress_17
- Track 414 : Tyson_17
- Track 415 : GuuelaD_17
- Track 416 : Faith1_17, DrSeegs_17, Zakai_17, Crossroads_17, Gabriela_17, SoJulia_17, Finemlucis_17, BigCheese_17, Breezona_17, Rumpelstiltskin_17, BobsGarage_17, LilDestine_17, Lewan_17, Miley16_17, Netyap_17, Itos_17, MkaliMitinis3_17, Vetrix_17, Winky_17
- Track 417 : Wigglewiggles_17, Loadrie_17, Underpass_17, Nicholasp3_17, Gardann_17, Wilder_17, Kahlid_17
- Track 418 : Soap141_17, Sarshaun_17, Hafay_17
- Track 419 : ZhongYanYuan_16, Claus_17, Baoshan_16, DanBing_16, DHan_17
- Track 420 : Bazzle_17
- Track 421 : Tourach_17
- Track 422 : Archie_17
- Track 423 : Rossetti_17
- Track 424 : Finnry_18, Bellis_18, Samty_18, Moostard_18
- Track 425 : DuncansLeg_18, BourbonZero_17, KirDoubleO7_16, LiyuLake_18, Ellson_18
- Track 426 : MsGreen_18, Jobypre_18, Red305_18, Jubie_18, Clautastrophe_18, Snenia_18, Krypton555_18, Kingsolomon_18, TriFive_18, Nicholas_18, Lumos_18
- Track 427 : MiniMac_18, Lolly9_18, MiniLon_18
- Track 428 : Whirlwind_19
- Track 429 : Sheng711_17
- Track 430 : Douzhi_17, BrainDrainer_18, PYPDinur_17
- Track 431 : DyoEdafos_18
- Track 432 : Bromden_18
- Track 433 : Quby_17, Douge_17, FarmResident_17
- Track 434 : Kropertea_17
- Track 435 : Chaser_17
- Track 436 : Baudelaire_17, Aegeus_17
- Track 437 : RoseMarie_27
- Track 438 : IPHane7_27, Auspice_27, LilhomieP_26, FreakyGoo_27, Izel_26, Bricole_27, Glaske16_28, Bongo_27, SlimJimmy_26, PegLeg_27, Diminimus_28, TyDawg_27, Dulcita_28, Skinny_28
- Track 439 : Reindeer_25
- Track 440 : KleverKiS_27
- Track 441 : Rey_31

- Track 442 : MrMagoo_31, GardenSalsa_31
- Track 443 : GenevaB15_31, Aziz_31
- Track 444 : Estes_32
- Track 445 : Nanosmite_31
- Track 446 : Forge_21, Webster2_21, Amymech_21, Giles_21, Hadrien_21, Kinbote_21, DeepSoil15_21, LilHazelNut_21, Luke_21, Evanesce_21, HH92_21, Wishmaker_21, Daegal_22, Dewey_21, Amochick_21, Hail_21, Ubuntu_21, OBUpride_21, Ein37_21, Luna22_21
- Track 447 : Gancho_20, Gravaillia_21
- Track 448 : Poise_49, Blackbeetle_49
- Track 449 : Beelzebub_53, Pringar_49, GoongGoong_48, Marvin_47, VasuNzinga_49, JoieB_50
- Track 450 : Huphlepuuff_51, LittleLaf_49, FeliMaine_51, Corazon_47, Clarkson_50, Lilbit_50
- Track 451 : Caprice_46, MosMoris_47, Raela_49, RedRaider77_49, Gattaca_48, Tesla_48
- Track 452 : Nairb_18, ZenTime222_18, Ibrahim_18, Bernal13_18, Whitty_18, RonRayGun_18
- Track 453 : Nette_18, Mendokysei_17
- Track 454 : Gaia_13, Nebkiss_14
- Track 455 : Cracklewink_23
- Track 456 : Hilltopfarm_23, Faiyaz_23, AuntGwenStacy_23, Typha_23
- Track 457 : Bipper_23
- Track 458 : 32HC_25
- Track 459 : Rem711_24
- Track 460 : P1201_46
- Track 461 : EmiRose_16
- Track 462 : ChewyVIII_55
- Track 463 : REQ2_19
- Track 464 : VanLee_19
- Track 465 : P3MA_17
- Track 466 : TPA4_18
- Track 467 : Whack_17
- Track 468 : Sleepyhead_17
- Track 469 : Kumao_27
- Track 470 : REQ3_49

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

The start number called the most often in the published annotations is 53, it was called in 300 of the 1029 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, Aegeus_17, Agape74_29, Aliter_28, Alma_28, Aneem_27, AnnaL29_30, Anselm_27, Anthony_26, ArcherNM_29, Archie_17, Arissanae_26, Artemis2UCLA_30, AvadaKedavra_17, BABullseye_30, BabyBack_29, Bachome_27, Bactobuster_28, Baehexic_28, Baoshan_16, Baudelaire_17, Bazzle_17, Beelzebub_53, Beemo_28, Bellis_18, BengiVuitton_28, Benvolio_27, BiancaTri92_29, BigCheese_17, Blackbeetle_49, BlessJoy_30, Blinn1_30, Blue7_30,

BobSwaget_30, BobsGarage_17, BogosyJay_28, BourbonZero_17, Bowtie_27, Bradman_26, BrainDrainer_18, Breezona_17, Bromden_18, Bud_27, Bugsy_29, C3_25, CRB1_27, Candra_30, Caprice_46, Caraxes_26, Catalina_28, Centaur_29, Changeling_29, Chargerpower_27, Charm_27, Chartreuse_30, Chaser_17, Che12_29, ChipMunk_29, Clarkson_50, Claus_17, Clautastrophe_18, CloudWang3_30, Colin_31, Conquerage_28, Cookiedough_30, Corazon_47, Crossroads_17, Crucio_27, D29_27, D32_30, DBQu4n_30, DHan_17, DaVinci_30, Dalmatian_27, DanBing_16, Darrell_29, DarthPhader_28, Deloris_28, Dignity_29, DirkDirk_17, Dorothea_30, Douge_17, Douzhi_17, DrSeegs_17, Drake55_29, DreamTeam1_27, DudeLittle_27, DuncansLeg_18, Duplo_30, DyoEdafos_18, EZMoney23_31, EagleEye_29, Ebony_27, Echild_27, EdogawaKiddo_26, Eidsmoe_28, Elephantoon_28, Ellson_18, EmyBug_28, Enceladus_17, Equemioh13_29, EricB_30, Et2Brutus_26, EvilGenius_29, ExplosioNervosa_28, Faith1_17, Fameo_27, FarmResident_17, FatCactus_25, Fayely_28, FeliMaine_51, Fibonacci_27, Finemlucis_17, Finnry_18, FiringLine_27, First_0027, Flare16_27, Flaverint_27, Gabriela_17, Gail_26, Garak_31, Gardann_17, Gattaca_48, GaugeLDP_29, Georgie2_28, Gilberta_27, Gladiator_30, GoongGoong_48, Gratitude_28, GreedyLawyer_30, Gruunaga_30, GuuelaD_17, Hafay_17, Halena_17, Hammer_30, Hanray_27, HarryHoudini_29, Heffalump_29, Helmet_31, Herbertwm_24, Hexamo_30, Horex_27, Hoot_30, HortumSL17_28, Huphlepuuff_51, Hutc2_27, Indra_30, Insomnia_27, IronMan_29, Isiphiwo_30, Itos_17, Iwokeuplikedis_28, Jaan_30, Jabith_27, Jeeves_26, Jeffabunny_30, Jerm_29, JewelBug_30, Jiawan_27, Jobypre_18, JoieB_50, Jordennis_30, Joselito_27, JoshKayV_29, Journey13_25, Jsquared_26, Jubie_18, Kahlid_17, Kalpine_30, Kazan_30, Kerberos_30, Keziacharles14_26, KingCyrus_29, Kingsolomon_18, Kinmap_27, Kipper29_30, KirDoubleO7_16, Koduck_27, Koko_30, Kropertea_17, Krypton555_18, Kudrefre_26, L5_27, LadyBird_27, Landor_28, Larenn_28, Leogania_29, Leviathan_29, Lewan_17, LilDestine_17, LilTurb_29, Lilbit_50, Lilbunny_30, Lilleskat_26, LionsBait_28, LittleLaf_49, LiyuLake_18, Loadrie_17, Lokk_30, Lolly9_18, Loser_30, Luchador_28, Lucivia_27, Lucyedi_28, Lumos_18, MAckerman_17, MaCh_27, Mabel_27, MajorMajor_26, Malec_28, Maminiaina_28, Marvin_47, McFly_30, MiculUcigas_27, Miko_30, Miley16_17, MiniLon_18, MiniMac_18, MissWhite_27, MkaliMitinis3_17, Moostard_18, MosMoris_47, MsGreen_18, Mulciber_27, Munch_27, Myxus_28, NaSiaTalie_27, Naji_30, Neeharika16_30, Netyap_17, Neville_27, Newrala_30, Nicholas_18, Nicholasp3_17, NicoleTera_31, NothingSpecial_29, Octobien14_27, Odin_26, OhShagHennessy_17, Onglai_27, Orange_27, PYPDinur_17, 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, Polyphemus_29, Pomar16_30, Poochiewood_17, Power_27, Priamo_30, Pringar_49, Priya_28, Pukovnik_29, Qobbit_28, Quby_17, QueenB2_27, QueenBeesly_27, Quokka_25, Rachaly_30, Raela_49, Rahalelujah_26, Red305_18, RedRaider77_49, RedRock_30, Refuge_30, Retro23_27, Rifter_30, Roksolana_30, Rose5_17, Rossetti_17, Rumpelstiltskin_17, RyeScarlet_29, Sachima_26, Salz_27, Samty_18, Sarshaun_17, Scherzo_28, SemperFi_29, Sephiroth_27, Serenity_26, Sham4_27, SheaKeira_27, Silverleaf_17, Sknot_28, Smeagan_29, SmellyB_30, SnapTap_27, Snape_27, Snenia_18, SoJulia_17, Soap141_17, SororFago_26, Spouty_28, StarStuff_30, Steamy_28, SuperAwesome_30, SuperCallie99_30, Superchunk_26, SweetiePie_27, SwirlSquare_29, Syleon_27, TarsusIV_27, Temprado_31, Terrific_31, Tesla_48, Timothy_27, TinyTimmy_27, TopsytheTRex_26, Toaka_26, Tomathan_30, ToneTone_28, Tourach_17, Travvers_30, Trax_27, TriFive_18, Tristan_28, Trixie_30, Trooper_27, Tubs_28, Tucker_30, Turbido_29, Tyson_17, Ugenie5_25, Underpass_17, Updawg_29, VA6_27, VC3_30, Vanisoa_26,

VasuNzinga_49, Vetrix_17, VohminGhazi_30, Wamburgxpress_17, WeiHuaDA_33, Whabigail7_29, Whirlwind_19, WideWale_29, Wigglewiggles_17, Wiks_30, Wilder_17, Winky_17, WunderPhul_30, XianYue_27, Yecey3_27, Yokurt_30, Zaka_30, Zakai_17, ZhongYanYuan_16, Zimmer_29, Zulu_30,

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

• Acquire49_17, Appletree2_17, Calm_17, CicholasNage_17, JoeDirt_17, LeBron_17, Nergal_21, Rabbitrun_29, Sheng711_17, UPIE_17, Wyatt2_17, Zaria_17,

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

• 32HC_25, 8UZL_20, APunk_35, Abblin_34, Abscondus_46, ActinUp_22, Adephegia_22, Adonis_22, Affeca_32, Agent47_20, AgentM_23, Ageofdapage_22, Ailee_32, Airmid_23, Alatin_22, Aleemily_18, Ali17_30, AlishaPH_22, AlleyCat_20, Alpacados_21, Amelie_18, Amgine_20, Aminay_20, Amochick_21, Amohnton_21, Amymech_21, Anaya_23, Anaysia_29, Angel_17, Angelica_22, Angelicage_32, AngryOrchard_21, Annihilator_17, Anon_27, Antsirabe_17, Aphelion_47, Apiary_44, Apocalypse_22, AppleCloud_20, Applecrisp_21, Aragog_23, Archetta_23, ArchiDore_18, Archimedes_15, Archis_19, Arianna_18, Aroostook_17, Arri_33, Arti_40, Asayake_22, Ashertheman_34, Astro_23, Atiba_22, AuntGwenStacy_23, Auspice_27, Avocado_17, Avrafan_17, Ayotoya_21, Aziz_31, AzulaCat_17, Azula_20, BEEST_22, BGlluviae_22, BPs_17, BQuat_17, BabyMoney_20, Bachita_49, Baddon_33, BaghaKamala_22, Bakery_31, Banquo_25, Bantam_29, Barb_32, Barco_18, Barkley26_17, BarrelRoll_22, Barsten_34, Battleship_30, Baumdotcom_33, Beezoo_22, Begonia_19, Belenaria_22, Bella96_22, Belladonna_22, Belphegor_32, Benedict_23, Bern_24, Bernal13_18, BetterKatz_21, BiPauneto_43, Bibwit_33, Binglebops_18, Bipper_23, Bizzy_34, BlingBling_18, Blino_18, Blizzard_22, BlueNGold_99, Blueberry_20, Bluefalcon_22, BobBob_31, BobbyDazzler_22, Bobquesha_24, Bock_21, Boiii_22, Boilgate_19, Bonamassa_23, Bonanza_22, Bongo_27, Bonum_43, Boohoo_29, Boopy_100, BoostSeason_18, Bradshaw_22, Brandonk123_35, Braxoaddie_44, Bricole_27, BruceB_17, BrutonGaster_35, Bryce_22, Bryler_21, Brylie_21, Buggaboo_41, C3PO_30, CLED96_17, CREW_22, Cafasso_18, Cain_21, CallaLilly_23, Cambiare_18, Camri_17, Capricorn_22, CaptainKirk2_18, Cardigan_46, CarolAnn_18, CaseJules_22, CassieYates_17, Catfish_21, Cedasite_17, ChadMasterC_34, Chadwick_24, Chance64_17, Chancellor_23, Charming_34, Chavito_22, CheetoDust_22, Cheetobro_23, CherryCola_34, Cherrybomb426_17, ChewyVIII_55, Chickadee_31, Chop_21, Chris_21, ClamChowder_32, Clipper_24, Clown_34, ClubL_47, CoffeeBean_44, Coleslaw_17, Collard_20, Colleen_18, Commandaria_42, Conspiracy_23, Coog_23, CosmicSans_22, CoveyB_33, Cracklewink_23, Crespo_17, CrimD_22, Cruella_30, Cuco_23, Cucurbita_49, Culver_47, Curiosium_23, DMoney_17, DNAll_0017, Dadosky_20, Daegal_22, Dalilpop_45, Dalmuri_22, Danforth_22, Danyall_32, Dardanus_23, Daredevil_28, Darionha_17, DARTH_21, Dartin_22, Darwin_33, DatBoi_30, Deby_22, DeepSoil15_21, DekHockey33_29, DelRio_22, Delian_18, Delrey21_33, Derg_29, Devera_22, Dewey_21, Dextert_32, Diminimus_28, Dinger_22, DinoDaryn_23, Discoknowium_23, DismalFunk_18, DismalStressor_18, Dixon_23, DoctorFroggo_33, Dogfish_20, Dole_22, DonkeyMan_17, Doughnut_18, DrHayes_22, Dublin_22, Dulcita_28, DumpsterDude_18, Durfee_22, Dusty_45, ECartman_17, EMoore_30, EdmundFerry_30, Edugator_19, Efra2_22, Egi03_32, Ein37_21, Ekdilam_19, EITiger69_23, Ellie_19, Emerson_22, EmiRose_16, Emianna_40, Engineer_48, Enkosi_18, Ennea_46, Eponine_23, Epsocamisio_29, Erik_22, Espica_22, Estes_32, Evamon_30, Evanesce_21, Ewald_21, Expelliarmus_22, FF47_20, Fairfaxidum_18, Faiyaz_23, Farewell_15, Fefferhead_21, Ferry_17, Feyre_20, Findley_18,

Fionnbharth_23, Fireball_31, Fitzgerald_32, FlagStaff_17, Flapper_44, Flatwoods_34, Float294_42, ForGetIt_23, Forge_21, Forza_100, Fosterous_32, Foxboro_41, Francois_21, FreakyGoo_27, Frizzle_15, Frokostdame_18, Frosty24_17, FuegoCuervo_36, Fugax_32, Fury_49, GMA2_29, GRU1_30, GTE5_31, GTE6_31, GTE8_29, Gaea_33, Gaia_13, Galadriel_34, Gambino_20, Gancho_20, Ganymede_23, GardenSalsa_31, Geeche_46, GenevaB15_31, Gengar_20, Geodirt_31, George_22, Geraldini_22, Gezellig_31, Ghobes_15, Ghoulyboy_23, Gideon_17, Giles_21, Glaske16_28, GodonK_88, Goib_22, GoldenAsh_17, Gollum_22, Gomashi_17, GrandSlam_21, Gravallia_21, Grizzly_17, GrootJr_42, Groundhog_22, Gspu1_19, Guacamole_18, Guanica15_22, Guillsminger_20, Gustav_17, Gustavo_33, GuyFagieri_44, HH92_21, Hadrien_21, Hail_21, Halo3_31, Halo_17, Hammy_21, Hamood_21, Hans_34, Harlequin_22, HedwigODU_22, Heftyboy_20, Heinz_18, Hibiscus_17, Hilltopfarm_23, Hiro_22, Hitter_18, Homura_22, Hope_17, Hotshotbaby7_17, HubbaBubba_38, Huffy_23, HuhtaEnerson15_23, Hurricane_21, Hyperbowlee_22, IDyn_41, IPhone7_27, Ibrahim_18, Illumine_22, Inky_22, Inspectinfecti_33, InvictusManeo_20, Izel_26, JAWS_22, JF1_23, JKSyngboy_31, JSwag_29, Jabberwocky_32, Jabiru_23, JacoRen57_16, Jalammah_20, Jambalaya_30, Jane_17, Jarvi_22, JasperJr_18, Jayhawk_22, Jeckyll_22, Jester_22, Jifall16_39, Jojo24_17, Jolene_17, Jolie2_17, JonJames_46, Jonghyun_17, JorRay_17, Jovo_23, Joy99_22, JuJu_18, Juliette_23, JustASigh_17, Kabluna_43, 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, KleverKiS_27, Kratio_19, Kraw_24, Krishelle_22, Kroos_34, Krueger_21, Kumao_27, Kurt_40, Kwekel_31, Kwobi_34, Larva_20, LastHope_22, LastResort_29, LaterM_22, LeMond_21, Lea83_22, Lebo14_24, Lemuria_17, Lennon_34, Leonard_32, Leston_20, Lev2_23, Liefie_17, LilHam_31, LilHazelNut_21, LilPharaoh_18, Lilbeanie_29, LilhomieP_26, Lillie_22, LindNT_22, LittleCherry_23, Llorens_22, Lollipop1437_45, LoneWolf_28, Looper_30, LouisV14_17, Love_37, Lozinak_47, Luke_21, Luna22_21, Lunahalos_22, Lysidious_19, MOOREtheMARYer_17, MacGully_49, MacKat_23, MacnCheese_22, Maco6_18, Mahdia_17, MakCheese_19, Malachai_19, MalagasyRose_23, Malibo_19, Maliketh_17, Malthus_24, Marcoliusprime_18, Mareelih_98, Marietta_42, MarkPhew_22, Marmie_17, Marshawn_23, MarysWell_22, Maselop_44, McKinley_36, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, MelBins_33, Melba_18, Mellie_17, Mendokysei_17, MerCougar_41, Mercurio_18, Meyran_20, Micasa_23, MicyPS_16, Midas2_23, Milcery_23, Milly_18, MinecraftSteve_30, MintFen_18, Miryou_20, Miskis_45, MissDaisy_23, MissRona_20, Mitti_23, ModicumRichard_18, Mollymur_30, MoontowerMania_33, Morgana_18, Morrissey_18, Mowgli_17, MrMagoo_31, Muddy_20, 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, Nebkiss_14, Nebulosus_29, Nedarya_28, Neighly_20, Nette_18, Nibb_21, Nikao_18, Niklas_22, NoShow_17, Nordenberg_28, Norvs_48, NosilaM_43, November_21, NovumRegina_40, Nubi_30, Nutello_18, Nyceirae_22, OBUpride_21, ObLaDi_18, Obliviate_17, OctaviousRex_17, OkiRoe_20, Olga_17, OmniCritical_23, Omnicron_20, OneUp_41, Oofda_30, Oscar_21, Outis_41, P1201_46, P3MA_17, PCoral7_18, PP_36, PSonyx_16, Pace1224_17, Padfoot_22, Padpat_22, Paito_17, Paola_20, Parada_21, Paries_36, Partridge_22, Patio_43, Patt_23, Peanam_22, Peeb_17, Peel_22, PegLeg_27, 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, Phrank_21, Phrankenstein_22, Phreak_17, PhrostedPhlake_19,

Piatt_22, PickleBack_23, Pimento_22, PinkCoffee_32, PinkYoshi_17, Pinnie_18, Pipp_18, Pixie_21, Plagueis_17, Pleakley_49, Pokerus_21, Polyyuki_44, Portcullis_30, PotatoChip_33, Poushou_18, Prinasse11_24, PrincePatrick_18, Prithvi_22, Psycho_20, PullumCavea_30, Puppies_17, QuincyRose_21, REQ2_19, REQ3_49, RER2_15, RGL3_15, Rabbs_17, Ramen_22, Rando14_20, Rapunzel97_22, Rasputin_22, ReMo_29, RedRaider_47, 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, RoseMarie_27, Rosmarinus_22, Ruthiejr_22, Ruthy_18, Saintus_23, Salvador_30, SamScheppers_21, Samba_18, Sampson_34, SamuelLPlaqson_22, Sanjuju_32, Santhid_17, Sapo_15, Saronaya_33, Savbucketdawg_30, Scarlett_21, Schiebel_17, Schmidt_19, SchottB_32, Scioto_34, Scorpia_24, Scuba_49, Sedona_34, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22, ShayRa_30, ShedlockHolmes_21, ShiaSurprise_22, Shinji_30, Shivanishola_35, Shuman_22, 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, SoSeph_20, Soups_29, Sparky_15, SpeedDemon_310, Splinter_21, Spock_22, StCroix_22, StarStruck_41, Stargaze_17, Stephig9_23, Stickynote_32, Stinson_22, StorminNorm_33, Strobilo_18, Strosahl_29, Stultus_32, Sukkupi_42, Sulley_22, Sunflower1121_20, Sunhee_25, SuperSulley_41, Swann_22, Sweets_17, Swirley_23, Switzerland_29, SydNat_23, Syra333_21, TBond007_21, TClif_21, TM4_18, TPA4_18, TWAMP_22, TZGordon_23, Tachez_22, Taheera_17, TaiwanKao_23, Takoda_22, Tangent_34, Tangerine_33, Taquito_21, Tardus_35, Tarynearal_22, Tarzan_17, Teejan_18, Terror_17, Theia_21, Thing3_33, Thyatira_20, Tiamoceli_32, Tierra_21, Tiger_23, TillyBobJoe_30, TinaBug_17, TinaLin_24, TingHuaYa_22, TiniBug_22, Tiri_22, Toast_18, Togo_30, TomBrady_17, Toniann_47, Topper_22, Torres_18, TouchMeNot_18, Towmatter_28, Tracker_40, TreyKay_22, TribbleTrouble_20, Trine_17, TruffulaTree_22, Turuncu_44, Twigg_23, Twister6_32, Twitch_22, Twonlo_29, TyDawg_27, Tycho_33, Typha_23, Ubuntu_21, UhSalsa_22, UmaThurman_18, Unicorn_21, UnionJack_23, Upyo_17, Urkel_22, Utz_18, Valary_33, Validus_22, VanDeWege_33, VanLee_19, Veliki_22, Vendetta_21, Verity_33, ViaConlectus_34, Vivi2_36, ViviJ_19, Vordorf_21, Waits_29, Walrus_19, Warrior24_30, Waterfoul_20, Webster2_21, Weirdo19_18, Wendigo_17, Whack_17, WheatThin_21, Wheezy_40, Whitty_18, WhoseManz_42, Widow_17, WilliamBoone_47, William_18, Wintermute_23, Wishmaker_21, Wisp_17, Wizard_30, Wocket_19, Ximenita_22, Y10_23, Y2_23, Yndexa_42, Yogi_22, Yoncess_22, YorkOnyx_34, YoureAdopted_21, Yuna_22, YungMoney_32, Yunkel11_22, Yvonnestic_44, Zabiza_22, Zarbodnamra_18, Zavala_22, ZenTime222_18, ZiggyZoo_17, Zion_33, Zipp_33, Zitch_35, ZoMa_17, Zodiariah_17, ZoeJ_18, Zolita_22, Zombie_17,

Summary by start number:

Start 20:

- Found in 3 of 1184 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 66.7% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 24:

- Found in 2 of 1184 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1029

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 25:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7),

Start 26:

- Found in 243 of 1184 (20.5%) of genes in pham
- Manual Annotations of this start: 217 of 1029
- Called 99.2% of time when present
- Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohndition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_21 (K6), 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), Bern_24 (K1), Binglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_23 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_24 (K1), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAll_0017 (G1), Dalmuri_22 (K1), Darionha_17 (G1), DarthP_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), Lea83_22 (K3), Lebo14_24 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MacKat_23 (K1), 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), November_21 (K6), 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), SirPhillip_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), Teejan_18 (K1), Terror_17 (G1), Tierra_21 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TripleTrouble_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 27:

- Found in 2 of 1184 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 28:

- Found in 11 of 1184 (0.9%) of genes in pham
- Manual Annotations of this start: 10 of 1029
- Called 90.9% 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 29:

- Found in 31 of 1184 (2.6%) of genes in pham
- Manual Annotations of this start: 26 of 1029
- Called 96.8% of time when present
- Phage (with cluster) where this start called: 8UZL_20 (AB), Agent47_20 (K5), AlleyCat_20 (K5), Collard_20 (K5), Dadosky_20 (K5), Edugator_19 (K5), FF47_20 (AB), Feyre_20 (K5), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), JacoRen57_16 (AB), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), Maco6_18 (AB), Miryou_20 (K5), Muddy_20 (AB), Neighly_20 (K3), NoShow_17 (AB), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5),

Start 30:

- Found in 32 of 1184 (2.7%) of genes in pham
- No Manual Annotations of this start.
- Called 3.1% of time when present
- Phage (with cluster) where this start called: Doughnut_18 (K2),

Start 34:

- Found in 7 of 1184 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1029

- Called 14.3% of time when present
- Phage (with cluster) where this start called: Lilbeanie_29 (DE5),

Start 35:

- Found in 11 of 1184 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 1029
- Called 36.4% of time when present
- Phage (with cluster) where this start called: Farewell_15 (AF), GodonK_88 (DK), Phendrix_86 (DK), Sparky_15 (AF),

Start 36:

- Found in 2 of 1184 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X),

Start 38:

- Found in 30 of 1184 (2.5%) of genes in pham
- Manual Annotations of this start: 25 of 1029
- 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 40:

- Found in 2 of 1184 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 42:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_21 (AG),

Start 43:

- Found in 20 of 1184 (1.7%) of genes in pham
- Manual Annotations of this start: 9 of 1029
- Called 45.0% 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), UPIE_17 (L1), Wyatt2_17 (L1), Zaria_17 (L1),

Start 44:

- Found in 7 of 1184 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 1029

- Called 57.1% of time when present
- Phage (with cluster) where this start called: Colleen_18 (EO), Poushou_18 (EO), Rabbitrun_29 (DU2), TouchMeNot_18 (EO),

Start 45:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_27 (singleton),

Start 46:

- Found in 4 of 1184 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Arianna_18 (EO),

Start 47:

- Found in 13 of 1184 (1.1%) of genes in pham
- Manual Annotations of this start: 12 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bernal13_18 (T), BlueNGGold_99 (DS), Boopy_100 (DS), Forza_100 (DS), Ibrahim_18 (T), Mareelih_98 (DS), Mendokysei_17 (T), Nairb_18 (T), Nette_18 (T), RonRayGun_18 (T), Sixama_98 (DS), Whitty_18 (T), ZenTime222_18 (T),

Start 48:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer_25 (M1),

Start 49:

- Found in 10 of 1184 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 20.0% of time when present
- Phage (with cluster) where this start called: MicyPS_16 (EQ), PSonyx_16 (EQ),

Start 50:

- Found in 30 of 1184 (2.5%) of genes in pham
- Manual Annotations of this start: 24 of 1029
- Called 96.7% of time when present
- Phage (with cluster) where this start called: Aleemily_18 (DZ), Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Cafasso_18 (DZ), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), FreakyGoo_27 (M1), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhone7_27 (M1), Izel_26 (M1), KleverKiS_27 (M1), LihomieP_26 (M1), ModicumRichard_18 (DZ), Morgana_18 (DZ), MrMagoo_31 (M2), Nanosmite_31 (M3), ObLaDi_18 (DZ), PegLeg_27 (M1), Rey_31 (M2), RoseMarie_27 (M), Skinny_28 (M1), SlimJimmy_26 (M1), TyDawg_27 (M1), VanLee_19 (singleton),

Start 51:

- Found in 2 of 1184 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1029

- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_36 (A7), Sunhee_25 (A14),

Start 52:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LoneWolf_28 (A9),

Start 53:

- Found in 378 of 1184 (31.9%) of genes in pham
- Manual Annotations of this start: 300 of 1029
- Called 96.8% 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), Aegeus_17 (L5), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Archie_17 (L2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), AvadaKedavra_17 (L1), BABullseye_30 (A6), BabyBack_29 (A2), Bachome_27 (A11), Bactobuster_28 (A2), Baehexic_28 (A2), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Beelzebub_53 (S), Beemo_28 (A9), Bellis_18 (L3), BengiVuitton_28 (A2), Benvolio_27 (A2), BiancaTri92_29 (A2), BigCheese_17 (L2), Blackbeetle_49 (S), BlessJoy_30 (A6), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BobsGarage_17 (L2), BogosyJay_28 (A9), BourbonZero_17 (L3), Bowtie_27 (A11), Bradman_26 (A2), BrainDrainer_18 (L4), Breezona_17 (L2), Bromden_18 (L4), 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), Chaser_17 (L4), Che12_29 (A2), ChipMunk_29 (A2), Clarkson_50 (S), Claus_17 (L2), Clautastrophe_18 (L3), CloudWang3_30 (A6), Colin_31 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Corazon_47 (S), Crossroads_17 (L2), Crucio_27 (A2), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DHan_17 (L2), DaVinci_30 (A6), Dalmatian_27 (A2), DanBing_16 (L2), Darrell_29 (A9), DarthPhader_28 (A12), Deloris_28 (A2), Dignity_29 (A2), DirkDirk_17 (L1), Dorothea_30 (A6), Douge_17 (L4), Douzhi_17 (L4), DrSeegs_17 (L2), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), DuncansLeg_18 (L3), Duplo_30 (A2), DyoEdafos_18 (L4), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echild_27 (A2), EdogawaKiddo_26 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), Ellson_18 (L3), EmyBug_28 (A9), Enceladus_17 (L1), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Faith1_17 (L2), Fameo_27 (A2), FarmResident_17 (L4), FatCactus_25 (A20), Fayely_28 (A9), FeliMaine_51 (S), Fibonacci_27 (A11), Finemlucis_17 (L2), Finnry_18 (L3), FiringLine_27 (A2), First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), Gabriela_17 (L2), Gail_26 (A14), Garak_31 (A6), Gardann_17 (L2), Gattaca_48 (S), GaugeLDP_29 (A2), Georgie2_28 (A2), Gilberta_27 (A11), Gladiator_30 (A6), GoongGoong_48 (S), Gratitude_28 (A2), GreedyLawyer_30 (A6), Gruunaga_30 (A6), GuuelaD_17 (L2), Hafay_17 (L2), Halena_17 (L1), Hammer_30 (A6), Hanray_27 (A9), HarryHoudini_29 (A2), Heffalump_29 (A2), Helmet_31 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), Horex_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), Itos_17 (L2), Iwokeuplikedis_28 (A2), Jaan_30 (A2), Jabith_27 (A11), Jeeves_26 (A14), Jeffabunny_30 (A6), Jerm_29 (A2), JewelBug_30 (A6), Jiawan_27 (A9), Jobypre_18 (L3), JoieB_50 (S), Jordennis_30 (A6), Joselito_27 (A11), JoshKayV_29 (A2),

Journey13_25 (A2), Jsquared_26 (A2), Jubie_18 (L3), Kahlid_17 (L2), Kalpine_30 (A2), Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), KingCyrus_29 (A2), Kingsolomon_18 (L3), Kinmap_27 (A21), Kipper29_30 (A6), KirDoubleO7_16 (L3), Koduck_27 (A2), Koko_30 (A6), Kropertea_17 (L4), Krypton555_18 (L3), Kudrefre_26 (DU1), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2), Larenn_28 (A2), Leogania_29 (A2), Leviathan_29 (A2), Lewan_17 (L2), LilDestine_17 (L2), LilTurb_29 (A2), Lilbit_50 (S), Lilbunny_30 (A6), Lilleskat_26 (A9), LionsBait_28 (A2), LittleLaf_49 (S), LiyuLake_18 (L3), Loadrie_17 (L2), Lökk_30 (A2), Lolly9_18 (L3), Loser_30 (A2), Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), Lumos_18 (L3), MAckerman_17 (L1), MaCh_27 (A11), Mabel_27 (A11), MajorMajor_26 (A2), Malec_28 (A2), Maminiaina_28 (A9), Marvin_47 (S), McFly_30 (A6), MiculUcigas_27 (A2), Miko_30 (A2), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MissWhite_27 (A2), MkaliMitinis3_17 (L2), Moostard_18 (L3), MosMoris_47 (S), MsGreen_18 (L3), Mulciber_27 (A11), Munch_27 (A11), Myxus_28 (A9), NaSiaTalie_27 (A2), Naji_30 (A2), Neeharika16_30 (A6), Netyap_17 (L2), Neville_27 (DU2), Newrala_30 (A6), Nicholas_18 (L3), Nicholasp3_17 (L2), NicoleTera_31 (A2), NothingSpecial_29 (A2), Octobien14_27 (DU1), Odin_26 (A2), OhShagHennessy_17 (L1), Onglai_27 (A9), Orange_27 (A11), PYPDinur_17 (L4), 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), Polyphemus_29 (A6), Pomar16_30 (A2), Poochiewood_17 (L1), Power_27 (A2), Priamo_30 (A6), Pringar_49 (S), Priya_28 (A9), Pukovnik_29 (A2), Qobbit_28 (A9), Quby_17 (L4), QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2), Raela_49 (S), Rahalelujah_26 (A9), Red305_18 (L3), RedRaider77_49 (S), RedRock_30 (A2), Refuge_30 (A12), Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), Rose5_17 (L1), Rossetti_17 (L2), Rumpelstiltskin_17 (L2), RyeScarlet_29 (A9), Sachima_26 (A9), Salz_27 (A11), Samty_18 (L3), Sarshaun_17 (L2), Scherzo_28 (A9), SemperFi_29 (A2), Sephiroth_27 (DU1), Serenity_26 (A2), Sham4_27 (A11), SheaKeira_27 (A9), Silverleaf_17 (L1), Sknot_28 (A2), Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11), Snenia_18 (L3), SoJulia_17 (L2), Soap141_17 (L2), 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), Temprado_31 (A6), Terrific_31 (A2), Tesla_48 (S), Timothy_27 (A11), TinyTimmy_27 (A11), TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6), Tourach_17 (L2), Travvers_30 (A2), Trax_27 (DU2), TriFive_18 (L3), Tristan_28 (A2), Trixie_30 (A2), Trooper_27 (A2), Tubs_28 (A9), Tucker_30 (A6), Turbido_29 (A2), Tyson_17 (L1), Ugenie5_25 (A9), Underpass_17 (L2), Updawg_29 (A2), VA6_27 (A2), VC3_30 (A2), Vanisoa_26 (A9), VasuNzinga_49 (S), Vetrix_17 (L2), VohminGhazi_30 (A6), Wamburggrxpress_17 (L1), WeiHuaDA_33 (A2), Whabigail7_29 (A2), Whirlwind_19 (L3), WideWale_29 (A2), Wigglewiggles_17 (L2), Wiks_30 (A6), Wilder_17 (L2), Winky_17 (L2), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9), Yokurt_30 (A6), Zaka_30 (A6), Zakai_17 (L2), ZhongYanYuan_16 (L2), Zimmer_29 (A12), Zulu_30 (A6),

Start 56:

- Found in 19 of 1184 (1.6%) of genes in pham
- Manual Annotations of this start: 14 of 1029
- Called 89.5% 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), Nedarya_28 (A15), Puppies_17 (CD), REQ3_49

(singleton), Reyja_18 (DY), Santhid_17 (DY), Tarzan_17 (DY), Trine_17 (CD), Upyo_17 (CD), Widow_17 (CD),

Start 57:

- Found in 22 of 1184 (1.9%) of genes in pham
- Manual Annotations of this start: 20 of 1029
- 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), Warrior24_30 (A15),

Start 60:

- Found in 89 of 1184 (7.5%) of genes in pham
- Manual Annotations of this start: 85 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_23 (A5), Airmid_23 (A5), Alatin_22 (CA), Alpacados_21 (CA), AngryOrchard_21 (CA), AppleCloud_20 (CA), Aragog_23 (A5), Archetta_23 (A5), Astro_23 (A8), Belenaria_22 (CA), Benedict_23 (A5), Bluefalcon_22 (A5), BobbyDazzler_22 (CA), Bonamassa_23 (A5), Bonanza_22 (CA), Bradshaw_22 (CA), Bryce_22 (CA), Chadwick_24 (A5), Conspiracy_23 (A5), Coog_23 (A5), CosmicSans_22 (CA), Cuco_23 (A5), Danforth_22 (A8), Dinger_22 (CA), Discoknowium_23 (A5), Dixon_23 (A8), Dublin_22 (A5), EITiger69_23 (A5), Erik_22 (CA), Espica_22 (CA), Expelliarmus_22 (A8), ForGetIt_23 (A5), George_22 (A5), Ghouboy_23 (A5), Gollum_22 (CA), Groundhog_22 (A8), Harlequin_22 (CA), Hiro_22 (CA), HuhtaEnerson15_23 (A5), Jabiru_23 (A5), Jester_22 (CA), Jovo_23 (A5), Krishelle_22 (CA), Lev2_23 (A5), Lillie_22 (CA), LittleCherry_23 (A5), MarysWell_22 (A5), Micasa_23 (A5), Midas2_23 (A5), Milcery_23 (A5), Naca_23 (A5), Naiad_22 (CA), Nancinator_22 (CA), Natosaleda_22 (CA), NearlyHeadless_23 (A8), Partridge_22 (CA), PetterN_24 (A5), PhailMary_21 (CA), Phillis_23 (A8), Phlorence_23 (A5), Phrankenstien_22 (CA), PickleBack_23 (A5), Prinashe11_24 (A5), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), RexFury_22 (CA), Rhodalysa_22 (CA), Roary_23 (A8), Saintus_23 (A8), Scorpia_24 (A5), Shuman_22 (CA), Smeadley_23 (A8), StCroix_22 (CA), Stephig9_23 (A8), Swann_22 (CA), Swirley_23 (A5), SydNat_23 (A5), TWAMP_22 (CA), Takoda_22 (CA), Tarynearal_22 (A5), Theia_21 (A5), Tiger_23 (A5), Twigg_23 (A5), UhSalsa_22 (CA), UnionJack_23 (A5), Yogi_22 (CA), Yoncess_22 (CA), Zolita_22 (A5),

Start 61:

- Found in 29 of 1184 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 1029
- Called 13.8% of time when present
- Phage (with cluster) where this start called: 32HC_25 (Z), JustASigh_17 (AH), Rem711_24 (Z), Weirido19_18 (AH),

Start 62:

- Found in 7 of 1184 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), MalagasyRose_23 (AG),

Typha_23 (Y),

Start 69:

- Found in 24 of 1184 (2.0%) of genes in pham
- Manual Annotations of this start: 22 of 1029
- 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 72:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_17 (singleton),

Start 73:

- Found in 1 of 1184 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_16 (singleton),

Start 75:

- Found in 28 of 1184 (2.4%) of genes in pham
- Manual Annotations of this start: 17 of 1029
- Called 64.3% of time when present
- Phage (with cluster) where this start called: ArchiDore_18 (DW), 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 76:

- Found in 2 of 1184 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MakCheese_19 (DW), Zodiariah_17 (DW),

Start 80:

- Found in 4 of 1184 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1029
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnestic_44 (DD),

Start 81:

- Found in 77 of 1184 (6.5%) of genes in pham
- Manual Annotations of this start: 6 of 1029
- Called 7.8% 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 82:

- Found in 9 of 1184 (0.8%) of genes in pham
- Manual Annotations of this start: 8 of 1029
- 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 83:

- Found in 32 of 1184 (2.7%) of genes in pham
- Manual Annotations of this start: 24 of 1029
- Called 78.1% of time when present
- Phage (with cluster) where this start called: Azula_20 (CV), Bantam_29 (DL), Blueberry_20 (CV), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Fairfaxidum_18 (CV), Fenry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), Mollymur_30 (DL), Murp_18 (CV), Norvs_48 (CQ1), Nyceirae_22 (DT), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Toast_18 (CV), Towmatter_28 (DL), WilliamBoone_47 (CQ1), William_18 (CV),

Start 84:

- Found in 3 of 1184 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Sapo_15 (DA),

Start 85:

- Found in 54 of 1184 (4.6%) of genes in pham
- Manual Annotations of this start: 28 of 1029
- Called 55.6% of time when present
- Phage (with cluster) where this start called: Archis_19 (CV), BabyMoney_20 (DT), 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_15 (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), OneUp_41 (CQ2), 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 87:

- Found in 3 of 1184 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 33.3% of time when present
- Phage (with cluster) where this start called: ChewyVIII_55 (singleton),

Start 88:

- Found in 213 of 1184 (18.0%) of genes in pham
- Manual Annotations of this start: 17 of 1029
- Called 8.9% of time when present

- Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Apiary_44 (CR6), Archimedes_15 (DA), Bachita_49 (CQ1), Braxoaddie_44 (CR6), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), CoffeeBean_44 (CR6), Cucurbita_49 (CQ1), Dusty_45 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Maselop_44 (CR6), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Polyuyuki_44 (CR6), Toniann_47 (CQ1),

Start 90:

- Found in 36 of 1184 (3.0%) of genes in pham
- Manual Annotations of this start: 25 of 1029
- Called 83.3% 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), RedRaider_47 (CR3), Scuba_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 91:

- Found in 7 of 1184 (0.6%) of genes in pham
- Manual Annotations of this start: 6 of 1029
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Bonum_43 (CR2), Buggaboo_41 (CR2), Commandaria_42 (CR2), Kabluna_43 (CR2), NosilaM_43 (CR2), SuperSulley_41 (CR2),

Start 93:

- Found in 102 of 1184 (8.6%) of genes in pham
- Manual Annotations of this start: 6 of 1029
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Catfish_21 (CU5), Dardanus_23 (CU3), DinoDaryn_23 (CU1), Goib_22 (CU1), Huffy_23 (CU1), TZGordon_23 (CU1),

Start 95:

- Found in 65 of 1184 (5.5%) of genes in pham
- Manual Annotations of this start: 50 of 1029
- Called 90.8% 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), Banquo_25 (CU1), 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_29 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), FuegoCuervo_36 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gspu1_19 (CU2), 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), Paries_36 (DE1), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), Schmidt_19 (CU4), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), Splinter_21 (CU1), StorminNorm_33 (DE1), Stultus_32 (DE1), Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1),

TinaLin_24 (CU1), Tycho_33 (DE1), Vendetta_21 (CU1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 96:

- Found in 8 of 1184 (0.7%) of genes in pham
- Manual Annotations of this start: 8 of 1029
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BiPauneto_43 (CR4), HubbaBubba_38 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Sukkupi_42 (CR4), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 101:

- Found in 111 of 1184 (9.4%) of genes in pham
- Manual Annotations of this start: 29 of 1029
- Called 31.5% of time when present
- Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), CherryCola_34 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), CoveyB_33 (DC1), Danyall_32 (DC1), Egi03_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), Sheng711_17 (L4), 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 102:

- Found in 25 of 1184 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 8.0% of time when present
- Phage (with cluster) where this start called: Frokostdame_18 (CV), Wisp_17 (CV),

Start 109:

- Found in 177 of 1184 (14.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: REQ2_19 (singleton),

Start 121:

- Found in 7 of 1184 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 1029
- Called 28.6% of time when present
- Phage (with cluster) where this start called: GuyFagieri_44 (CR6), MacGully_49 (CR),

Start 214:

- Found in 52 of 1184 (4.4%) of genes in pham
- Manual Annotations of this start: 1 of 1029
- Called 1.9% of time when present
- Phage (with cluster) where this start called: Whack_17 (singleton),

Summary by clusters:

There are 89 clusters represented in this pham: G5, G4, G3, G2, G1, CQ2, CQ1, T, X, DC2, DC1, M1, M3, M2, EO, EN, S, EQ, CR2, CR3, CR1, CR6, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, CU5, CU4, CU3, CU2, CU1, DU1, DU2, CA, CD, CR, Z, CV, A20, A21, DL, DK, DI, DD, DE, DA, DZ, DY, DW, DT, DS, A15, A14, A17, A16, A11, A13, A12, A2, A5, A7, A6, A9, A8, A, AB, AG, AF, AH, M, Q, L4, L5, L2, L3, L1, Y,

Info for manual annotations of cluster A:

- Start number 53 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A11:

- Start number 53 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 53 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 53 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 56 was manually annotated 1 time for cluster A15.
- Start number 57 was manually annotated 20 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 53 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 53 was manually annotated 102 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 53 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A5:

- Start number 60 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 53 was manually annotated 42 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 51 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 60 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 52 was manually annotated 1 time for cluster A9.
- Start number 53 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 29 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 35 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 42 was manually annotated 1 time for cluster AG.
- Start number 62 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:

- Start number 61 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CA:

- Start number 60 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 56 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 83 was manually annotated 4 times for cluster CQ1.
- Start number 88 was manually annotated 10 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 85 was manually annotated 1 time for cluster CQ2.
- Start number 88 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR:

- Start number 121 was manually annotated 1 time for cluster CR.

Info for manual annotations of cluster CR1:

- Start number 90 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 90 was manually annotated 14 times for cluster CR2.
- Start number 91 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 90 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 96 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 90 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 88 was manually annotated 5 times for cluster CR6.
- Start number 121 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CU1:

- Start number 93 was manually annotated 4 times for cluster CU1.
- Start number 95 was manually annotated 4 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 93 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 95 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 93 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 81 was manually annotated 6 times for cluster CV.
- Start number 83 was manually annotated 14 times for cluster CV.
- Start number 85 was manually annotated 21 times for cluster CV.
- Start number 102 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DA:

- Start number 84 was manually annotated 1 time for cluster DA.
- Start number 85 was manually annotated 2 times for cluster DA.
- Start number 88 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DC1:

- Start number 101 was manually annotated 28 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 101 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 80 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE:

- Start number 38 was manually annotated 1 time for cluster DE.

Info for manual annotations of cluster DE1:

- Start number 95 was manually annotated 45 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 38 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 38 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 38 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 34 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DI:

- Start number 75 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 35 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 83 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DS:

- Start number 47 was manually annotated 5 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 83 was manually annotated 1 time for cluster DT.
- Start number 85 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 53 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 44 was manually annotated 1 time for cluster DU2.
- Start number 53 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 56 was manually annotated 1 time for cluster DW.
- Start number 75 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster DY:

- Start number 56 was manually annotated 5 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 50 was manually annotated 4 times for cluster DZ.

Info for manual annotations of cluster EN:

- Start number 82 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 44 was manually annotated 3 times for cluster EO.
- Start number 46 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster EQ:

- Start number 49 was manually annotated 1 time for cluster EQ.

Info for manual annotations of cluster G1:

- Start number 26 was manually annotated 60 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 20 was manually annotated 1 time for cluster G2.
- Start number 27 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 26 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 26 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 26 was manually annotated 1 time for cluster G5.

Info for manual annotations of cluster K1:

- Start number 26 was manually annotated 103 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 28 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 26 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 26 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 29 was manually annotated 22 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 26 was manually annotated 22 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 25 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 24 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 43 was manually annotated 9 times for cluster L1.
- Start number 53 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 53 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 53 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 53 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 53 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 48 was manually annotated 1 time for cluster M1.
- Start number 50 was manually annotated 12 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 50 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 50 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:

- Start number 69 was manually annotated 22 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 53 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster T:

- Start number 47 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:

- Start number 36 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 62 was manually annotated 4 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 61 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 53

Candidate Starts for 20ES_27:

(Start: 53 @19219 has 300 MA's), (Start: 88 @19273 has 17 MA's), (125, 19312), (240, 19528), (275, 19594), (297, 19633), (300, 19636), (407, 19864), (427, 19897), (461, 19999), (470, 20020), (489, 20074), (495, 20086), (545, 20176),

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 61

Candidate Starts for 32HC_25:

(13, 17579), (54, 17867), (Start: 61 @17876 has 2 MA's), (Start: 84 @17915 has 1 MA's), (119, 17960), (225, 18167), (271, 18287), (339, 18401), (367, 18461), (454, 18668), (569, 18968),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 53

Candidate Starts for 40AC_30:

(Start: 53 @21412 has 300 MA's), (109, 21487), (125, 21505), (145, 21541), (166, 21580), (255, 21757), (275, 21787), (297, 21826), (300, 21829), (376, 21985), (461, 22192), (489, 22267), (495, 22279), (545, 22369),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 29

Candidate Starts for 8UZL_20:

(Start: 29 @14891 has 26 MA's), (Start: 34 @14939 has 1 MA's), (117, 15047), (123, 15056), (167, 15125), (172, 15137), (179, 15152), (241, 15299), (299, 15407), (339, 15482), (343, 15491), (360, 15527), (398, 15596), (422, 15638), (452, 15683), (455, 15692), (477, 15749), (513, 15854), (564, 15965),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 53

Candidate Starts for AN3_27:

(Start: 53 @19197 has 300 MA's), (Start: 88 @19251 has 17 MA's), (125, 19290), (166, 19365), (240, 19506), (275, 19572), (297, 19611), (300, 19614), (407, 19842), (456, 19962), (461, 19977), (489, 20052), (495, 20064), (503, 20088), (545, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 53

Candidate Starts for AN9_30:

(Start: 53 @19185 has 300 MA's), (Start: 88 @19239 has 17 MA's), (109, 19260), (125, 19278), (219, 19449), (275, 19560), (297, 19599), (300, 19602), (326, 19647), (369, 19737), (456, 19950), (461, 19965), (489, 20040), (495, 20052), (503, 20076), (545, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 53

Candidate Starts for ANI8_30:

(Start: 53 @19185 has 300 MA's), (Start: 88 @19239 has 17 MA's), (109, 19260), (125, 19278), (219, 19449), (275, 19560), (297, 19599), (300, 19602), (326, 19647), (369, 19737), (456, 19950), (461, 19965), (489, 20040), (495, 20052), (503, 20076), (545, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 38

Candidate Starts for APunk_35:

(Start: 38 @29234 has 25 MA's), (124, 29357), (144, 29393), (190, 29495), (215, 29549), (255, 29621), (289, 29684), (294, 29693), (331, 29750), (350, 29783), (363, 29816), (364, 29819), (454, 29936), (471, 29972), (484, 30005), (487, 30014), (500, 30035), (509, 30062), (529, 30092), (532, 30098), (549, 30131), (550, 30134), (566, 30188), (570, 30200),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 38

Candidate Starts for Abblin_34:

(Start: 38 @29777 has 25 MA's), (89, 29852), (97, 29864), (124, 29900), (144, 29936), (190, 30038), (215, 30092), (255, 30164), (289, 30227), (294, 30236), (331, 30293), (350, 30326), (363, 30359), (364, 30362), (397, 30419), (471, 30515), (484, 30548), (487, 30557), (500, 30578), (509, 30605), (521, 30626), (529, 30635), (532, 30641), (549, 30674), (550, 30677), (566, 30731), (570, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 53

Candidate Starts for AbbyPaige_29:

(Start: 53 @19684 has 300 MA's), (109, 19759), (125, 19777), (145, 19813), (166, 19852), (275, 20059), (297, 20098), (300, 20101), (347, 20188), (427, 20368), (461, 20470), (489, 20545), (495, 20557),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 88

Candidate Starts for Abscondus_46:

(Start: 83 @28434 has 24 MA's), (Start: 88 @28440 has 17 MA's), (124, 28488), (140, 28515), (179, 28587), (221, 28683), (283, 28791), (338, 28884), (351, 28908), (356, 28923), (410, 29019), (454, 29067), (532, 29247), (550, 29283),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 53

Candidate Starts for Acolyte_27:

(Start: 53 @19734 has 300 MA's), (125, 19827), (145, 19863), (166, 19902), (275, 20109), (297, 20148), (300, 20151), (326, 20196), (369, 20286), (407, 20379), (461, 20514), (489, 20589), (495, 20601), (503, 20625), (545, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 43

Candidate Starts for Acquire49_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 26

Candidate Starts for ActinUp_22:

(Start: 26 @16020 has 217 MA's), (78, 16137), (140, 16227), (156, 16248), (165, 16269), (178, 16296), (297, 16551), (341, 16632), (372, 16707), (382, 16722), (452, 16833), (469, 16875), (501, 16968), (508, 16992), (555, 17085), (566, 17124), (570, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 26

Candidate Starts for Adephagia_22:

(Start: 26 @16017 has 217 MA's), (78, 16134), (140, 16224), (156, 16245), (165, 16266), (178, 16293), (297, 16548), (341, 16629), (372, 16704), (382, 16719), (452, 16830), (469, 16872), (501, 16965), (508, 16989), (555, 17082), (566, 17121), (570, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 26

Candidate Starts for Adonis_22:

(Start: 26 @16023 has 217 MA's), (78, 16140), (140, 16230), (156, 16251), (165, 16272), (178, 16299), (297, 16554), (341, 16635), (372, 16710), (382, 16725), (452, 16836), (469, 16878), (501, 16971), (508, 16995), (555, 17088), (566, 17127), (570, 17145),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 53

Candidate Starts for Adzzy_28:

(Start: 53 @17912 has 300 MA's), (109, 17987), (125, 18005), (145, 18041), (275, 18287), (297, 18326), (300, 18329), (369, 18464), (407, 18557), (427, 18590), (470, 18713), (481, 18743), (495, 18779), (503, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 53

Candidate Starts for Aegeus_17:

(33, 15389), (41, 15404), (Start: 53 @15428 has 300 MA's), (70, 15452), (Start: 101 @15497 has 29 MA's), (109, 15512), (126, 15530), (171, 15608), (255, 15761), (259, 15770), (300, 15833), (386, 15944), (389, 15950), (391, 15956), (435, 15992), (442, 16019), (452, 16043), (458, 16061), (461, 16070), (463, 16073), (476, 16112), (487, 16139), (506, 16187), (515, 16208), (564, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 95

Candidate Starts for Affeca_32:

(Start: 95 @29693 has 50 MA's), (191, 29879), (194, 29891), (208, 29918), (301, 30089), (322, 30125), (334, 30158), (342, 30173), (349, 30185), (362, 30215), (365, 30221), (401, 30281), (450, 30371), (481, 30461), (489, 30485), (493, 30497), (514, 30563), (524, 30578), (537, 30602), (544, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 53

Candidate Starts for Agape74_29:

(Start: 53 @19660 has 300 MA's), (109, 19735), (125, 19753), (145, 19789), (166, 19828), (275, 20035), (297, 20074), (300, 20077), (347, 20164), (427, 20344), (461, 20446), (489, 20521), (495, 20533),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 29

Candidate Starts for Agent47_20:

(Start: 29 @16419 has 26 MA's), (123, 16593), (163, 16659), (165, 16662), (178, 16689), (221, 16788), (264, 16890), (297, 16944), (317, 16974), (332, 17010), (334, 17013), (339, 17022), (371, 17097), (372, 17100), (398, 17136), (422, 17178), (438, 17196), (441, 17202), (452, 17226), (453, 17229), (469, 17268), (555, 17478), (566, 17517), (570, 17535),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 60

Candidate Starts for AgentM_23:

(Start: 60 @18724 has 85 MA's), (125, 18820), (143, 18853), (145, 18856), (166, 18895), (186, 18943), (275, 19096), (285, 19114), (300, 19138), (325, 19180), (456, 19492), (495, 19594), (505, 19621), (545, 19684),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 26

Candidate Starts for Ageofdapage_22:

(Start: 26 @15951 has 217 MA's), (78, 16068), (156, 16179), (165, 16200), (178, 16227), (222, 16329), (297, 16482), (341, 16563), (372, 16638), (382, 16653), (452, 16764), (469, 16806), (501, 16899), (508, 16923), (555, 17016), (566, 17055), (570, 17073),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 95

Candidate Starts for Ailee_32:

(Start: 95 @30183 has 50 MA's), (191, 30369), (194, 30381), (208, 30408), (221, 30429), (254, 30489), (298, 30576), (301, 30579), (322, 30615), (334, 30648), (342, 30663), (349, 30675), (362, 30705), (365, 30711), (401, 30771), (450, 30861), (481, 30951), (489, 30975), (493, 30987), (514, 31053), (544, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 60

Candidate Starts for Airmid_23:

(Start: 60 @17965 has 85 MA's), (125, 18061), (143, 18094), (145, 18097), (166, 18136), (240, 18271), (252, 18301), (268, 18331), (275, 18337), (285, 18355), (300, 18379), (325, 18421), (396, 18592), (495, 18835), (505, 18862), (545, 18925),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Alatin_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 50

Candidate Starts for Aleemily_18:

(7, 15193), (Start: 50 @15646 has 24 MA's), (68, 15673), (Start: 85 @15706 has 28 MA's), (157, 15808), (169, 15835), (179, 15859), (240, 15961), (255, 15994), (266, 16024), (295, 16060), (300, 16066), (306, 16075), (369, 16153), (386, 16183), (389, 16189), (394, 16204), (456, 16309), (482, 16375), (522, 16474), (551, 16507), (561, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 38

Candidate Starts for Ali17_30:

(Start: 38 @27429 has 25 MA's), (124, 27552), (144, 27588), (177, 27648), (215, 27744), (275, 27855), (288, 27876), (350, 27978), (364, 28014), (498, 28230), (500, 28236), (505, 28251), (509, 28266), (532, 28302), (549, 28335), (550, 28338), (570, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 26

Candidate Starts for AlishaPH_22:

(Start: 26 @16010 has 217 MA's), (78, 16127), (140, 16217), (156, 16238), (165, 16259), (178, 16286), (297, 16541), (341, 16622), (372, 16697), (382, 16712), (452, 16823), (469, 16865), (501, 16958), (508, 16982), (555, 17075), (566, 17114), (570, 17132),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 53

Candidate Starts for Aliter_28:

(Start: 53 @20455 has 300 MA's), (68, 20473), (109, 20530), (125, 20548), (145, 20584), (240, 20764), (255, 20800), (275, 20830), (300, 20872), (376, 21031), (440, 21175), (461, 21238), (489, 21313), (495, 21325), (503, 21349),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 29

Candidate Starts for AlleyCat_20:

(Start: 29 @16301 has 26 MA's), (123, 16475), (163, 16541), (178, 16571), (221, 16670), (264, 16772), (297, 16826), (317, 16856), (332, 16892), (334, 16895), (339, 16904), (371, 16979), (372, 16982), (398, 17018), (422, 17060), (438, 17078), (441, 17084), (452, 17108), (453, 17111), (469, 17150), (503, 17252), (555, 17360), (566, 17399), (570, 17417),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 53

Candidate Starts for Alma_28:

(Start: 53 @20534 has 300 MA's), (68, 20552), (109, 20609), (125, 20627), (145, 20663), (240, 20843), (255, 20879), (275, 20909), (300, 20951), (376, 21110), (440, 21254), (461, 21317), (489, 21392), (495, 21404), (503, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 60

Candidate Starts for Alpacados_21:

(Start: 60 @15416 has 85 MA's), (Start: 81 @15455 has 6 MA's), (140, 15536), (143, 15542), (178, 15611), (225, 15689), (238, 15716), (300, 15827), (373, 15923), (461, 16052), (469, 16070), (495, 16139), (561, 16277),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Amelie_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 26

Candidate Starts for Amgine_20:

(Start: 26 @16119 has 217 MA's), (78, 16236), (114, 16287), (178, 16395), (222, 16497), (224, 16500), (264, 16596), (297, 16650), (332, 16716), (339, 16728), (469, 16974), (470, 16977), (508, 17091), (555, 17184), (566, 17223), (570, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 25

Candidate Starts for Aminay_20:

(Start: 25 @16296 has 1 MA's), (30, 16320), (Start: 61 @16392 has 2 MA's), (78, 16422), (135, 16506), (165, 16554), (177, 16578), (221, 16680), (264, 16782), (297, 16836), (335, 16905), (339, 16911), (355, 16947), (371, 16986), (422, 17064), (469, 17154), (480, 17190), (490, 17220), (505, 17259), (555, 17364), (566, 17403), (570, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 69

Candidate Starts for Amochick_21:

(Start: 69 @16318 has 22 MA's), (74, 16327), (140, 16423), (145, 16432), (152, 16441), (178, 16492), (180, 16498), (224, 16594), (232, 16612), (256, 16681), (261, 16690), (267, 16711), (271, 16717), (274, 16723), (276, 16726), (320, 16798), (322, 16801), (396, 16957), (426, 17008), (431, 17026), (454, 17098), (461, 17116), (490, 17200), (501, 17227), (502, 17230), (513, 17266), (525, 17284), (550, 17326), (555, 17341), (556, 17344), (564, 17374), (566, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 26

Candidate Starts for Amohnition_21:

(Start: 26 @16493 has 217 MA's), (78, 16610), (Start: 93 @16628 has 6 MA's), (114, 16661), (140, 16700), (178, 16769), (221, 16868), (224, 16874), (264, 16970), (297, 17024), (332, 17090), (339, 17102), (371, 17177), (422, 17258), (441, 17282), (469, 17348), (470, 17351), (501, 17441), (555, 17558), (566, 17597), (570, 17615),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Amymech_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 26

Candidate Starts for Anaya_23:

(Start: 26 @16036 has 217 MA's), (Start: 29 @16042 has 26 MA's), (78, 16153), (156, 16264), (165, 16285), (178, 16312), (297, 16567), (341, 16648), (382, 16738), (452, 16849), (469, 16891), (501, 16984), (508, 17008), (555, 17101), (566, 17140), (570, 17158),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 57

Candidate Starts for Anaysia_29:

(Start: 57 @18122 has 20 MA's), (140, 18236), (143, 18242), (145, 18245), (263, 18479), (407, 18746), (437, 18800), (495, 18956),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 53

Candidate Starts for Aneem_27:

(Start: 53 @19736 has 300 MA's), (Start: 88 @19793 has 17 MA's), (140, 19868), (209, 19997), (240, 20057), (268, 20117), (275, 20123), (300, 20165), (326, 20210), (327, 20216), (369, 20300), (379, 20333), (495, 20615), (499, 20624), (503, 20639), (545, 20705),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Angel_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 26

Candidate Starts for Angelica_22:

(Start: 26 @15985 has 217 MA's), (78, 16102), (140, 16192), (156, 16213), (165, 16234), (178, 16261), (297, 16516), (341, 16597), (372, 16672), (382, 16687), (452, 16798), (469, 16840), (501, 16933), (508, 16957), (555, 17050), (566, 17089), (570, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 95

Candidate Starts for Angelicage_32:

(Start: 95 @30110 has 50 MA's), (191, 30296), (194, 30308), (208, 30335), (221, 30356), (254, 30416), (301, 30506), (322, 30542), (334, 30575), (342, 30590), (349, 30602), (362, 30632), (365, 30638), (401, 30698), (450, 30788), (481, 30878), (489, 30902), (493, 30914), (514, 30980), (544, 31031),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 60

Candidate Starts for AngryOrchard_21:

(Start: 60 @15399 has 85 MA's), (Start: 81 @15438 has 6 MA's), (143, 15525), (178, 15594), (225, 15672), (300, 15810), (373, 15906), (461, 16035), (469, 16053), (495, 16122), (561, 16260),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 53

Candidate Starts for AnnaL29_30:

(Start: 53 @21011 has 300 MA's), (68, 21029), (125, 21104), (145, 21140), (166, 21179), (240, 21320), (275, 21386), (297, 21425), (300, 21428), (326, 21473), (407, 21659), (427, 21692), (495, 21881),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 26

Candidate Starts for Annihilator_17:

(6, 15135), (Start: 26 @15468 has 217 MA's), (78, 15588), (Start: 93 @15606 has 6 MA's), (123, 15651), (126, 15657), (163, 15720), (180, 15756), (205, 15825), (207, 15828), (221, 15849), (246, 15903), (264, 15948), (284, 15978), (339, 16080), (345, 16092), (352, 16104), (359, 16122), (438, 16287), (452, 16317), (459, 16335), (469, 16359), (509, 16479), (555, 16569), (564, 16602),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 57

Candidate Starts for Anon_27:

(Start: 57 @18753 has 20 MA's), (Start: 81 @18795 has 6 MA's), (129, 18852), (140, 18867), (143, 18873), (145, 18876), (186, 18963), (263, 19110), (356, 19260), (495, 19587), (523, 19647), (545, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 53

Candidate Starts for Anselm_27:

(Start: 53 @19280 has 300 MA's), (109, 19355), (125, 19373), (145, 19409), (166, 19448), (275, 19655), (297, 19694), (300, 19697), (427, 19964), (461, 20066), (489, 20141), (495, 20153), (545, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 53

Candidate Starts for Anthony_26:

(Start: 53 @17668 has 300 MA's), (125, 17761), (145, 17797), (240, 17977), (275, 18043), (297, 18082), (300, 18085), (369, 18220), (427, 18346), (458, 18439), (461, 18448), (495, 18535), (503, 18559), (520, 18592), (545, 18625),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 26

Candidate Starts for Antsirabe_17:

(5, 15441), (9, 15501), (Start: 26 @15810 has 217 MA's), (Start: 93 @15951 has 6 MA's), (126, 16002), (165, 16068), (167, 16071), (177, 16092), (180, 16101), (205, 16170), (207, 16173), (222, 16197), (241, 16242), (246, 16248), (264, 16293), (320, 16383), (345, 16437), (370, 16497), (430, 16605), (452, 16662), (469, 16704), (471, 16710), (495, 16782), (502, 16800), (539, 16878), (541, 16881), (550, 16899), (564, 16947), (566, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 88

Candidate Starts for Aphelion_47:

(Start: 88 @28709 has 17 MA's), (124, 28757), (140, 28784), (179, 28856), (202, 28922), (221, 28952), (283, 29060), (338, 29153), (351, 29177), (356, 29192), (410, 29288), (454, 29336), (532, 29516), (550, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 88

Candidate Starts for Apiary_44:

(Start: 88 @30416 has 17 MA's), (Start: 121 @30452 has 2 MA's), (186, 30569), (196, 30608), (207, 30626), (245, 30677), (296, 30776), (340, 30851), (344, 30860), (375, 30935), (388, 30956), (454, 31094), (469, 31130), (481, 31169), (501, 31211), (534, 31274), (551, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 26

Candidate Starts for Apocalypse_22:

(Start: 26 @15988 has 217 MA's), (78, 16105), (140, 16195), (156, 16216), (165, 16237), (178, 16264), (260, 16453), (297, 16519), (341, 16600), (372, 16675), (382, 16690), (452, 16801), (469, 16843), (501, 16936), (508, 16960), (555, 17053), (566, 17092), (570, 17110),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 60

Candidate Starts for AppleCloud_20:

(Start: 60 @15445 has 85 MA's), (Start: 81 @15484 has 6 MA's), (143, 15571), (178, 15640), (225, 15718), (238, 15745), (300, 15856), (373, 15952), (461, 16081), (469, 16099), (495, 16168), (561, 16306),

Gene: Applecrisp_21 Start: 16530, Stop: 17666, Start Num: 26

Candidate Starts for Applecrisp_21:

(Start: 26 @16530 has 217 MA's), (78, 16647), (114, 16698), (178, 16806), (222, 16908), (224, 16911), (264, 17007), (297, 17061), (332, 17127), (339, 17139), (469, 17385), (470, 17388), (555, 17595), (566, 17634), (570, 17652),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 43

Candidate Starts for Appletree2_17:

(31, 15764), (32, 15767), (Start: 43 @15800 has 9 MA's), (Start: 53 @15818 has 300 MA's), (70, 15842), (Start: 88 @15872 has 17 MA's), (Start: 101 @15887 has 29 MA's), (126, 15920), (Start: 214 @16064 has 1 MA's), (252, 16145), (297, 16220), (300, 16223), (305, 16229), (328, 16274), (345, 16301), (386, 16334), (389, 16340), (432, 16373), (435, 16382), (442, 16409), (487, 16529), (506, 16577), (518, 16604), (551, 16643), (553, 16649), (564, 16688),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 60

Candidate Starts for Aragog_23:

(Start: 60 @18754 has 85 MA's), (125, 18850), (143, 18883), (145, 18886), (166, 18925), (186, 18973), (275, 19126), (285, 19144), (300, 19168), (325, 19210), (456, 19522), (495, 19624), (505, 19651), (545, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 53

Candidate Starts for ArcherNM_29:

(Start: 53 @20956 has 300 MA's), (125, 21049), (145, 21085), (166, 21124), (275, 21331), (297, 21370), (300, 21373), (326, 21418), (407, 21604), (427, 21637), (495, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 60

Candidate Starts for Archetta_23:

(Start: 60 @18467 has 85 MA's), (125, 18563), (143, 18596), (145, 18599), (166, 18638), (186, 18686), (275, 18839), (285, 18857), (300, 18881), (325, 18923), (456, 19235), (495, 19337), (505, 19364),

Gene: ArchiDore_18 Start: 15181, Stop: 16242, Start Num: 75

Candidate Starts for ArchiDore_18:

(Start: 75 @15181 has 17 MA's), (140, 15274), (165, 15316), (186, 15364), (222, 15442), (244, 15502), (256, 15532), (265, 15556), (267, 15562), (313, 15634), (318, 15643), (320, 15646), (324, 15655), (346, 15697), (396, 15796), (431, 15865), (439, 15892), (449, 15913), (539, 16138), (565, 16210), (566, 16213),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 53

Candidate Starts for Archie_17:

(Start: 53 @16290 has 300 MA's), (70, 16314), (Start: 88 @16344 has 17 MA's), (145, 16425), (295, 16695), (297, 16698), (300, 16701), (370, 16788), (386, 16812), (389, 16818), (442, 16887), (450, 16905), (456, 16923), (457, 16926), (506, 17055), (518, 17082), (527, 17094), (564, 17184), (567, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 88

Candidate Starts for Archimedes_15:

(Start: 81 @13698 has 6 MA's), (Start: 88 @13707 has 17 MA's), (132, 13767), (204, 13914), (221, 13941), (247, 13983), (281, 14052), (308, 14088), (353, 14178), (383, 14235), (385, 14238), (454, 14325), (470, 14361), (481, 14391), (484, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 85

Candidate Starts for Archis_19:

(Start: 81 @15998 has 6 MA's), (Start: 85 @16004 has 28 MA's), (Start: 102 @16019 has 1 MA's), (182, 16160), (218, 16241), (253, 16298), (257, 16307), (274, 16340), (341, 16448), (381, 16532), (423, 16604), (501, 16733), (510, 16760), (520, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 46

Candidate Starts for Arianna_18:

(Start: 44 @16550 has 4 MA's), (Start: 46 @16553 has 1 MA's), (Start: 101 @16637 has 29 MA's), (179, 16775), (370, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 53

Candidate Starts for Arissanae_26:

(Start: 53 @18593 has 300 MA's), (66, 18608), (68, 18611), (125, 18686), (255, 18938), (275, 18968), (300, 19010), (372, 19160), (390, 19205), (413, 19256), (418, 19262), (461, 19385), (495, 19472),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Aroostook_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 101

Candidate Starts for Arri_33:

(Start: 101 @25616 has 29 MA's), (163, 25721), (189, 25790), (191, 25796), (198, 25820), (208, 25835), (401, 26195), (412, 26210), (421, 26228), (468, 26330), (481, 26372), (493, 26408), (533, 26504), (557, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 53

Candidate Starts for Artemis2UCLA_30:

(Start: 53 @18860 has 300 MA's), (68, 18878), (Start: 88 @18914 has 17 MA's), (125, 18953), (179, 19058), (275, 19235), (297, 19274), (300, 19277), (347, 19364), (354, 19385), (407, 19511), (440, 19583), (495, 19733), (499, 19742), (545, 19823),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 90

Candidate Starts for Arti_40:

(Start: 90 @28866 has 25 MA's), (148, 28953), (186, 29028), (213, 29094), (245, 29136), (271, 29193), (388, 29406), (399, 29433), (454, 29544), (501, 29676), (551, 29772),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Asayake_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 95

Candidate Starts for Ashertheman_34:

(Start: 95 @28975 has 50 MA's), (191, 29161), (194, 29173), (198, 29185), (208, 29200), (216, 29212), (228, 29239), (242, 29254), (254, 29281), (301, 29371), (322, 29407), (349, 29467), (360, 29491), (365, 29503), (401, 29563), (450, 29653), (489, 29767), (493, 29779), (514, 29845), (524, 29860), (537, 29884), (544, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 60

Candidate Starts for Astro_23:

(Start: 60 @17636 has 85 MA's), (140, 17759), (143, 17765), (179, 17837), (240, 17942), (251, 17969), (300, 18059), (391, 18260), (404, 18290), (407, 18293), (489, 18503), (505, 18542), (536, 18590), (545, 18605),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 26

Candidate Starts for Atiba_22:

(Start: 26 @15980 has 217 MA's), (78, 16097), (140, 16187), (156, 16208), (165, 16229), (178, 16256), (297, 16511), (341, 16592), (372, 16667), (382, 16682), (452, 16793), (469, 16835), (501, 16928), (508, 16952), (555, 17045), (566, 17084), (570, 17102),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 62

Candidate Starts for AuntGwenStacy_23:

(Start: 62 @18613 has 5 MA's), (114, 18679), (163, 18769), (167, 18775), (187, 18823), (204, 18871), (221, 18898), (233, 18925), (234, 18928), (248, 18949), (273, 19000), (305, 19051), (311, 19060), (325, 19087), (367, 19162), (376, 19186), (441, 19276), (452, 19300), (453, 19303), (469, 19339), (486, 19393), (489, 19402), (505, 19444), (506, 19447), (550, 19528), (553, 19537), (566, 19582),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for Auspice_27:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 53

Candidate Starts for AvadaKedavra_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 27

Candidate Starts for Avocado_17:

(Start: 27 @15733 has 2 MA's), (78, 15862), (Start: 93 @15880 has 6 MA's), (126, 15931), (140, 15955), (165, 15997), (167, 16000), (177, 16021), (180, 16030), (192, 16066), (207, 16102), (212, 16108), (222, 16126), (246, 16177), (320, 16312), (345, 16366), (370, 16426), (452, 16591), (469, 16633), (495, 16711), (539, 16807), (541, 16810), (564, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Avrafan_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 75

Candidate Starts for Ayotoya_21:

(Start: 75 @17079 has 17 MA's), (110, 17124), (129, 17154), (186, 17262), (249, 17412), (267, 17460), (320, 17544), (324, 17553), (346, 17595), (433, 17772), (459, 17841), (517, 18003), (539, 18036), (565, 18108), (566, 18111),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 50

Candidate Starts for Aziz_31:

(Start: 50 @22046 has 24 MA's), (55, 22055), (Start: 88 @22109 has 17 MA's), (114, 22145), (119, 22148), (131, 22166), (140, 22181), (145, 22190), (178, 22250), (179, 22253), (297, 22478), (300, 22481), (319, 22511), (389, 22598), (470, 22739), (487, 22787), (501, 22820), (563, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 83

Candidate Starts for Azula_20:

(Start: 83 @16105 has 24 MA's), (Start: 102 @16120 has 1 MA's), (164, 16222), (182, 16261), (218, 16342), (264, 16426), (274, 16441), (341, 16549), (381, 16633), (419, 16699), (423, 16705), (461, 16744), (501, 16834), (520, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for AzulaCat_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 53

Candidate Starts for BABullseye_30:

(Start: 53 @18959 has 300 MA's), (Start: 88 @19013 has 17 MA's), (125, 19052), (179, 19157), (255, 19304), (275, 19334), (297, 19373), (300, 19376), (326, 19421), (354, 19481), (440, 19679), (495, 19829), (499, 19838),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for BEEST_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for BGlluviae_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for BPs_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 26

Candidate Starts for BQuat_17:

(6, 15135), (Start: 26 @15468 has 217 MA's), (78, 15588), (Start: 93 @15606 has 6 MA's), (123, 15651), (126, 15657), (163, 15720), (180, 15756), (205, 15825), (207, 15828), (221, 15849), (246, 15903), (264, 15948), (284, 15978), (339, 16080), (345, 16092), (352, 16104), (359, 16122), (438, 16287), (452, 16317), (459, 16335), (469, 16359), (509, 16479), (555, 16569), (564, 16602),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 53

Candidate Starts for BabyBack_29:

(Start: 53 @20784 has 300 MA's), (125, 20877), (145, 20913), (166, 20952), (275, 21159), (297, 21198), (300, 21201), (461, 21564), (495, 21651), (503, 21675),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 85

Candidate Starts for BabyMoney_20:

(Start: 85 @17148 has 28 MA's), (Start: 90 @17154 has 25 MA's), (116, 17190), (118, 17193), (200, 17361), (209, 17376), (218, 17388), (272, 17484), (274, 17487), (280, 17496), (288, 17508), (296, 17523), (365, 17652), (453, 17772), (461, 17793), (470, 17814), (483, 17844), (532, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 88

Candidate Starts for Bachita_49:

(Start: 88 @29142 has 17 MA's), (124, 29190), (140, 29217), (179, 29289), (202, 29355), (221, 29385), (283, 29493), (338, 29586), (351, 29610), (356, 29625), (410, 29721), (454, 29769), (532, 29949), (550, 29985),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 53

Candidate Starts for Bachome_27:

(Start: 53 @19727 has 300 MA's), (Start: 88 @19784 has 17 MA's), (140, 19859), (209, 19988), (240, 20048), (268, 20108), (275, 20114), (300, 20156), (326, 20201), (327, 20207), (369, 20291), (379, 20324), (495, 20606), (499, 20615), (503, 20630), (545, 20696),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 53

Candidate Starts for Bactobuster_28:

(Start: 53 @20771 has 300 MA's), (109, 20846), (125, 20864), (166, 20939), (240, 21080), (252, 21110), (275, 21146), (300, 21188), (348, 21278), (362, 21314), (369, 21329), (427, 21455), (456, 21542), (495, 21644), (503, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 95

Candidate Starts for Baddon_33:

(Start: 95 @29772 has 50 MA's), (182, 29928), (191, 29958), (194, 29970), (195, 29973), (198, 29982), (208, 29997), (216, 30009), (301, 30168), (322, 30204), (349, 30264), (365, 30300), (401, 30360), (450, 30450), (481, 30540), (489, 30564), (493, 30576), (514, 30642), (524, 30657), (537, 30681), (544, 30693),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 53

Candidate Starts for Baehexic_28:

(Start: 53 @19662 has 300 MA's), (109, 19737), (125, 19755), (145, 19791), (166, 19830), (255, 20007), (275, 20037), (297, 20076), (300, 20079), (495, 20535), (503, 20559),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 26

Candidate Starts for BaghaKamala_22:

(Start: 26 @15980 has 217 MA's), (78, 16097), (140, 16187), (156, 16208), (165, 16229), (178, 16256), (297, 16511), (341, 16592), (372, 16667), (382, 16682), (452, 16793), (469, 16835), (501, 16928), (508, 16952), (555, 17045), (566, 17084), (570, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 101

Candidate Starts for Bakery_31:

(Start: 101 @24839 has 29 MA's), (163, 24935), (189, 25004), (191, 25010), (194, 25022), (195, 25025), (198, 25034), (208, 25049), (301, 25223), (322, 25259), (381, 25376), (401, 25406), (468, 25541), (479, 25577), (489, 25607), (493, 25619), (519, 25694), (533, 25715),

Gene: Banquo_25 Start: 16992, Stop: 17822, Start Num: 95

Candidate Starts for Banquo_25:

(Start: 93 @16989 has 6 MA's), (Start: 95 @16992 has 50 MA's), (112, 17007), (132, 17037), (137, 17046), (151, 17070), (199, 17184), (203, 17190), (211, 17202), (219, 17214), (276, 17313), (329, 17400), (343, 17424), (392, 17508), (403, 17532), (406, 17535), (443, 17571), (485, 17652), (510, 17718), (529, 17742), (534, 17754), (535, 17757),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 83

Candidate Starts for Bantam_29:

(Start: 83 @26180 has 24 MA's), (103, 26201), (179, 26327), (182, 26336), (246, 26456), (269, 26507), (274, 26516), (296, 26552), (338, 26624), (342, 26630), (410, 26759), (454, 26807), (481, 26882), (501, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 53

Candidate Starts for Baoshan_16:

(Start: 53 @15899 has 300 MA's), (70, 15923), (Start: 88 @15953 has 17 MA's), (145, 16034), (171, 16079), (295, 16304), (297, 16307), (300, 16310), (319, 16340), (370, 16397), (389, 16427), (442, 16496), (450, 16514), (476, 16589), (482, 16601), (506, 16664), (518, 16691), (553, 16754), (564, 16793), (567, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 101

Candidate Starts for Barb_32:

(Start: 101 @25634 has 29 MA's), (163, 25739), (189, 25808), (191, 25814), (198, 25838), (208, 25853), (401, 26213), (412, 26228), (421, 26246), (468, 26348), (481, 26390), (493, 26426), (533, 26522), (557, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 81

Candidate Starts for Barco_18:

(Start: 81 @15787 has 6 MA's), (Start: 85 @15793 has 28 MA's), (182, 15949), (218, 16030), (274, 16129), (341, 16237), (381, 16321), (423, 16393), (501, 16522), (510, 16549), (520, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 26

Candidate Starts for Barkley26_17:

(6, 15147), (Start: 26 @15480 has 217 MA's), (78, 15600), (Start: 93 @15618 has 6 MA's), (123, 15663), (126, 15669), (163, 15732), (180, 15768), (205, 15837), (207, 15840), (221, 15861), (246, 15915), (264, 15960), (284, 15990), (339, 16092), (345, 16104), (352, 16116), (359, 16134), (438, 16299), (452, 16329), (459, 16347), (469, 16371), (503, 16473), (509, 16491), (555, 16581), (564, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 26

Candidate Starts for BarrelRoll_22:

(Start: 26 @16003 has 217 MA's), (78, 16120), (140, 16210), (156, 16231), (165, 16252), (178, 16279), (297, 16534), (341, 16615), (372, 16690), (382, 16705), (452, 16816), (469, 16858), (501, 16951), (508, 16975), (555, 17068), (566, 17107), (570, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 95

Candidate Starts for Barsten_34:

(Start: 95 @29324 has 50 MA's), (191, 29510), (194, 29522), (208, 29549), (221, 29570), (254, 29630), (298, 29717), (301, 29720), (322, 29756), (334, 29789), (342, 29804), (349, 29816), (362, 29846), (365, 29852), (401, 29912), (450, 30002), (481, 30092), (489, 30116), (493, 30128), (514, 30194), (544, 30245),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 57

Candidate Starts for Battleship_30:

(Start: 57 @18234 has 20 MA's), (140, 18348), (143, 18354), (145, 18357), (263, 18591), (407, 18858), (437, 18912), (495, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 53

Candidate Starts for Baudelaire_17:

(33, 15389), (41, 15404), (Start: 53 @15428 has 300 MA's), (70, 15452), (Start: 101 @15497 has 29 MA's), (109, 15512), (126, 15530), (171, 15608), (255, 15761), (259, 15770), (300, 15833), (386, 15944), (389, 15950), (391, 15956), (435, 15992), (442, 16019), (452, 16043), (458, 16061), (461, 16070), (463, 16073), (476, 16112), (487, 16139), (506, 16187), (515, 16208), (564, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 95

Candidate Starts for Baumdotcom_33:

(Start: 95 @28596 has 50 MA's), (191, 28782), (194, 28794), (198, 28806), (208, 28821), (216, 28833), (228, 28860), (242, 28875), (254, 28902), (301, 28992), (322, 29028), (349, 29088), (360, 29112), (365, 29124), (401, 29184), (450, 29274), (489, 29388), (493, 29400), (514, 29466), (524, 29481), (537, 29505), (544, 29517),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 53

Candidate Starts for Bazzle_17:

(Start: 53 @16039 has 300 MA's), (70, 16063), (Start: 88 @16093 has 17 MA's), (171, 16219), (295, 16444), (297, 16447), (300, 16450), (370, 16537), (386, 16561), (389, 16567), (442, 16636), (450, 16654), (456, 16672), (457, 16675), (506, 16804), (518, 16831), (527, 16843), (564, 16933), (567, 16945),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 53

Candidate Starts for Beelzebub_53:

(Start: 53 @26710 has 300 MA's), (140, 26842), (155, 26866), (161, 26875), (164, 26881), (168, 26890), (179, 26914), (182, 26923), (187, 26935), (251, 27061), (290, 27142), (300, 27157), (305, 27163), (386, 27271), (461, 27397), (464, 27403), (528, 27553), (531, 27559), (538, 27571), (540, 27574), (568, 27661), (569, 27664), (571, 27667),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 53

Candidate Starts for Beemo_28:

(Start: 53 @20561 has 300 MA's), (68, 20579), (109, 20636), (125, 20654), (145, 20690), (240, 20870), (255, 20906), (275, 20936), (300, 20978), (376, 21137), (440, 21281), (461, 21344), (489, 21419), (495, 21431), (503, 21455),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 26

Candidate Starts for Beezoo_22:

(Start: 26 @16027 has 217 MA's), (78, 16144), (140, 16234), (156, 16255), (165, 16276), (178, 16303), (297, 16558), (341, 16639), (372, 16714), (382, 16729), (452, 16840), (469, 16882), (501, 16975), (508, 16999), (555, 17092), (566, 17131), (570, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 85

Candidate Starts for Begonia_19:

(Start: 81 @16265 has 6 MA's), (Start: 85 @16271 has 28 MA's), (182, 16427), (218, 16508), (274, 16607), (341, 16715), (381, 16799), (423, 16871), (501, 17000), (520, 17042),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Belenaria_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 26

Candidate Starts for Bella96_22:

(Start: 26 @15947 has 217 MA's), (78, 16064), (140, 16154), (156, 16175), (165, 16196), (178, 16223), (264, 16424), (297, 16478), (341, 16559), (372, 16634), (382, 16649), (469, 16802), (501, 16895), (508, 16919), (555, 17012), (566, 17051), (570, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Belladonna_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 53

Candidate Starts for Bellis_18:

(Start: 53 @16492 has 300 MA's), (70, 16516), (Start: 101 @16561 has 29 MA's), (109, 16576), (126, 16597), (179, 16693), (255, 16828), (259, 16837), (297, 16897), (300, 16900), (305, 16906), (345, 16978), (386, 17011), (442, 17086), (463, 17140), (471, 17161), (489, 17212), (506, 17254), (564, 17365), (565, 17368),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 38

Candidate Starts for Belphegor_32:

(Start: 38 @29032 has 25 MA's), (144, 29191), (177, 29251), (215, 29347), (217, 29350), (275, 29458), (288, 29479), (350, 29581), (364, 29617), (486, 29809), (498, 29833), (500, 29839), (505, 29854), (532, 29905), (549, 29938), (550, 29941), (570, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 60

Candidate Starts for Benedict_23:

(Start: 60 @17968 has 85 MA's), (143, 18097), (145, 18100), (166, 18139), (240, 18274), (252, 18304), (268, 18334), (275, 18340), (285, 18358), (300, 18382), (325, 18424), (495, 18838), (545, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 53

Candidate Starts for BengiVuitton_28:

(Start: 53 @19613 has 300 MA's), (125, 19706), (145, 19742), (166, 19781), (275, 19988), (297, 20027), (300, 20030), (407, 20258), (427, 20291), (461, 20393), (470, 20414), (489, 20468), (495, 20480), (545, 20570),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 53

Candidate Starts for Benvolio_27:

(Start: 53 @19279 has 300 MA's), (109, 19354), (125, 19372), (145, 19408), (166, 19447), (275, 19654), (297, 19693), (300, 19696), (461, 20065), (489, 20140), (495, 20152),

Gene: Bern_24 Start: 15975, Stop: 17111, Start Num: 26

Candidate Starts for Bern_24:

(Start: 26 @15975 has 217 MA's), (78, 16092), (156, 16203), (165, 16224), (178, 16251), (264, 16452), (297, 16506), (341, 16587), (372, 16662), (382, 16677), (452, 16788), (469, 16830), (501, 16923), (508, 16947), (555, 17040), (566, 17079), (570, 17097),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 47

Candidate Starts for Bernal13_18:

(Start: 47 @16018 has 12 MA's), (66, 16045), (Start: 75 @16063 has 17 MA's), (184, 16240), (186, 16243), (225, 16318), (255, 16384), (265, 16411), (297, 16468), (305, 16477), (463, 16714), (472, 16738), (508, 16837), (515, 16858), (530, 16879), (550, 16918), (553, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 75

Candidate Starts for BetterKatz_21:

(Start: 75 @16552 has 17 MA's), (110, 16597), (129, 16627), (186, 16735), (249, 16885), (267, 16933), (320, 17017), (324, 17026), (346, 17068), (433, 17245), (446, 17278), (459, 17314), (539, 17509), (565, 17581), (566, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 96

Candidate Starts for BiPauneto_43:

(Start: 96 @28641 has 8 MA's), (148, 28722), (173, 28767), (196, 28836), (296, 29004), (344, 29088), (367, 29139), (388, 29172), (474, 29370), (482, 29388), (501, 29430), (549, 29520), (551, 29526), (558, 29547),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 53

Candidate Starts for BiancaTri92_29:

(Start: 53 @20966 has 300 MA's), (109, 21041), (125, 21059), (145, 21095), (166, 21134), (255, 21311), (275, 21341), (297, 21380), (300, 21383), (407, 21611), (461, 21746), (489, 21821), (495, 21833), (545, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 95

Candidate Starts for Bibwit_33:

(Start: 95 @29511 has 50 MA's), (191, 29697), (194, 29709), (208, 29736), (301, 29907), (322, 29943), (334, 29976), (342, 29991), (349, 30003), (362, 30033), (365, 30039), (401, 30099), (450, 30189), (481, 30279), (489, 30303), (493, 30315), (514, 30381), (544, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for BigCheese_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Biglebops_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Biglebops_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 62

Candidate Starts for Bipper_23:

(Start: 62 @18745 has 5 MA's), (114, 18811), (120, 18820), (156, 18883), (163, 18901), (167, 18907), (221, 19030), (233, 19057), (234, 19060), (248, 19081), (305, 19183), (311, 19192), (325, 19219), (367, 19294), (394, 19336), (412, 19363), (441, 19408), (452, 19432), (453, 19435), (471, 19477), (486, 19525), (489, 19534), (505, 19576), (509, 19588), (542, 19645), (566, 19714),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 95

Candidate Starts for Bizzy_34:

(Start: 95 @28919 has 50 MA's), (182, 29075), (191, 29105), (194, 29117), (198, 29129), (208, 29144), (216, 29156), (301, 29315), (322, 29351), (349, 29411), (365, 29447), (401, 29507), (450, 29597), (481, 29687), (489, 29711), (493, 29723), (514, 29789), (524, 29804), (537, 29828), (544, 29840),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 53

Candidate Starts for Blackbeetle_49:

(Start: 53 @25756 has 300 MA's), (140, 25888), (155, 25912), (161, 25921), (164, 25927), (168, 25936), (179, 25960), (182, 25969), (187, 25981), (191, 25993), (251, 26107), (290, 26188), (300, 26203), (305, 26209), (386, 26317), (461, 26443), (464, 26449), (528, 26599), (531, 26605), (538, 26617), (540, 26620), (568, 26707), (569, 26710), (571, 26713),

Gene: BlessJoy_30 Start: 18958, Stop: 19974, Start Num: 53

Candidate Starts for BlessJoy_30:

(Start: 53 @18958 has 300 MA's), (68, 18976), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (275, 19333), (297, 19372), (300, 19375), (347, 19462), (354, 19483), (407, 19609), (440, 19681), (495, 19831), (499, 19840), (545, 19921),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 85

Candidate Starts for BlingBling_18:

(Start: 81 @15787 has 6 MA's), (Start: 85 @15793 has 28 MA's), (182, 15949), (218, 16030), (274, 16129), (341, 16237), (381, 16321), (423, 16393), (501, 16522), (510, 16549), (520, 16564),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 53

Candidate Starts for Blinn1_30:

(Start: 53 @19032 has 300 MA's), (Start: 88 @19086 has 17 MA's), (125, 19125), (145, 19161), (179, 19230), (255, 19377), (275, 19407), (297, 19446), (300, 19449), (326, 19494), (354, 19554), (407, 19680), (440, 19752), (495, 19902), (499, 19911),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 85

Candidate Starts for Blino_18:

(Start: 81 @15755 has 6 MA's), (Start: 85 @15761 has 28 MA's), (182, 15917), (218, 15998), (274, 16097), (341, 16205), (381, 16289), (419, 16355), (423, 16361), (501, 16490), (520, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Blizzard_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 53

Candidate Starts for Blue7_30:

(Start: 53 @18950 has 300 MA's), (68, 18968), (Start: 88 @19004 has 17 MA's), (125, 19043), (179, 19148), (275, 19325), (297, 19364), (300, 19367), (347, 19454), (354, 19475), (407, 19601), (440, 19673), (495, 19823), (499, 19832), (545, 19913),

Gene: BlueNGold_99 Start: 59080, Stop: 60015, Start Num: 47

Candidate Starts for BlueNGold_99:

(Start: 47 @59080 has 12 MA's), (59, 59095), (63, 59101), (67, 59107), (139, 59224), (141, 59227), (170, 59278), (183, 59314), (252, 59449), (270, 59485), (288, 59515), (452, 59767), (471, 59812), (480, 59842), (485, 59848), (500, 59875), (516, 59914), (553, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 83

Candidate Starts for Blueberry_20:

(Start: 83 @16105 has 24 MA's), (Start: 102 @16120 has 1 MA's), (164, 16222), (182, 16261), (218, 16342), (264, 16426), (274, 16441), (341, 16549), (381, 16633), (419, 16699), (423, 16705), (461, 16744), (501, 16834), (520, 16876),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 60

Candidate Starts for Bluefalcon_22:

(Start: 60 @18724 has 85 MA's), (125, 18820), (143, 18853), (145, 18856), (166, 18895), (186, 18943), (275, 19096), (285, 19114), (300, 19138), (325, 19180), (456, 19492), (495, 19594), (505, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 95

Candidate Starts for BobBob_31:

(Start: 95 @28792 has 50 MA's), (191, 28978), (194, 28990), (208, 29017), (221, 29038), (254, 29098), (301, 29188), (322, 29224), (334, 29257), (342, 29272), (349, 29284), (362, 29314), (365, 29320), (401, 29380), (450, 29470), (481, 29560), (489, 29584), (493, 29596), (514, 29662), (524, 29677), (537, 29701), (544, 29713), (557, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 53

Candidate Starts for BobSwaget_30:

(Start: 53 @20811 has 300 MA's), (125, 20904), (145, 20940), (166, 20979), (275, 21186), (297, 21225), (300, 21228), (326, 21273), (369, 21363), (407, 21456), (427, 21489), (461, 21591), (489, 21666), (495, 21678), (545, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 60

Candidate Starts for BobbyDazzler_22:

(Start: 60 @15525 has 85 MA's), (Start: 81 @15564 has 6 MA's), (140, 15645), (143, 15651), (178, 15720), (225, 15798), (238, 15825), (300, 15936), (373, 16032), (461, 16161), (469, 16179), (495, 16248), (561, 16386),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 26

Candidate Starts for Bobquesha_24:

(Start: 26 @17234 has 217 MA's), (30, 17252), (Start: 61 @17324 has 2 MA's), (78, 17354), (140, 17444), (145, 17453), (165, 17486), (177, 17510), (222, 17615), (297, 17768), (335, 17837), (339, 17843), (422, 17996), (438, 18014), (452, 18044), (469, 18086), (470, 18089), (550, 18281), (555, 18296), (566, 18335), (570, 18353),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for BobsGarage_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 75

Candidate Starts for Bock_21:

(Start: 75 @16302 has 17 MA's), (110, 16347), (129, 16377), (180, 16470), (186, 16485), (249, 16635), (267, 16683), (320, 16767), (324, 16776), (346, 16818), (433, 16995), (446, 17028), (459, 17064), (539, 17259), (565, 17331), (566, 17334),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 53

Candidate Starts for BogosyJay_28:

(Start: 53 @20290 has 300 MA's), (68, 20308), (109, 20365), (125, 20383), (145, 20419), (240, 20599), (255, 20635), (275, 20665), (300, 20707), (376, 20866), (413, 20953), (495, 21169), (503, 21193),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 26

Candidate Starts for Boiiii_22:

(Start: 26 @16053 has 217 MA's), (78, 16170), (140, 16260), (156, 16281), (165, 16302), (178, 16329), (297, 16584), (341, 16665), (372, 16740), (382, 16755), (452, 16866), (469, 16908), (501, 17001), (508, 17025), (555, 17118), (566, 17157), (570, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 24

Candidate Starts for Boilgate_19:

(Start: 24 @16429 has 1 MA's), (30, 16453), (Start: 61 @16525 has 2 MA's), (78, 16555), (Start: 80 @16561 has 2 MA's), (123, 16618), (163, 16684), (165, 16687), (177, 16711), (183, 16729), (195, 16768), (218, 16807), (221, 16813), (236, 16846), (264, 16915), (297, 16969), (326, 17017), (334, 17035), (335, 17038), (339, 17044), (441, 17221), (452, 17245), (469, 17287), (470, 17290), (479, 17320), (486, 17341), (501, 17380), (505, 17392), (506, 17395), (550, 17482), (555, 17497), (566, 17536), (570, 17554),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 60

Candidate Starts for Bonamassa_23:

(Start: 60 @18648 has 85 MA's), (125, 18744), (143, 18777), (145, 18780), (240, 18954), (268, 19014), (275, 19020), (285, 19038), (300, 19062), (325, 19104), (456, 19416), (495, 19518), (545, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 60

Candidate Starts for Bonanza_22:

(Start: 60 @15454 has 85 MA's), (Start: 81 @15493 has 6 MA's), (140, 15574), (143, 15580), (178, 15649), (225, 15727), (238, 15754), (300, 15865), (373, 15961), (461, 16090), (469, 16108), (495, 16177), (561, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for Bongo_27:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 91

Candidate Starts for Bonum_43:

(Start: 91 @29225 has 6 MA's), (148, 29306), (170, 29342), (245, 29489), (367, 29723), (385, 29750), (410, 29801), (454, 29894), (501, 30011), (551, 30107), (553, 30113), (558, 30128),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 57

Candidate Starts for Boohoo_29:

(Start: 57 @18122 has 20 MA's), (140, 18236), (143, 18242), (145, 18245), (263, 18479), (407, 18746), (437, 18800), (495, 18956),

Gene: Boopy_100 Start: 59092, Stop: 60027, Start Num: 47

Candidate Starts for Boopy_100:

(Start: 47 @59092 has 12 MA's), (59, 59107), (63, 59113), (67, 59119), (139, 59236), (141, 59239), (170, 59290), (183, 59326), (252, 59461), (270, 59497), (288, 59527), (452, 59779), (471, 59824), (480, 59854), (485, 59860), (500, 59887), (516, 59926), (553, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 28

Candidate Starts for BoostSeason_18:

(Start: 28 @13915 has 10 MA's), (30, 13924), (78, 14026), (140, 14116), (165, 14158), (178, 14185), (218, 14278), (221, 14284), (248, 14347), (264, 14386), (297, 14440), (339, 14518), (362, 14569), (371, 14593), (422, 14671), (438, 14689), (452, 14719), (469, 14761), (470, 14764), (508, 14878), (550, 14956), (555, 14971), (566, 15010), (570, 15028),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 53

Candidate Starts for BourbonZero_17:

(Start: 53 @16488 has 300 MA's), (70, 16512), (Start: 101 @16557 has 29 MA's), (109, 16572), (126, 16593), (179, 16689), (182, 16698), (255, 16824), (259, 16833), (297, 16893), (300, 16896), (305,

16902), (345, 16974), (386, 17007), (391, 17019), (442, 17082), (471, 17157), (489, 17208), (506, 17250), (564, 17361), (565, 17364),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 53

Candidate Starts for Bowtie_27:

(Start: 53 @19736 has 300 MA's), (Start: 88 @19793 has 17 MA's), (140, 19868), (209, 19997), (240, 20057), (268, 20117), (275, 20123), (300, 20165), (326, 20210), (327, 20216), (369, 20300), (379, 20333), (495, 20615), (499, 20624), (503, 20639), (545, 20705),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 53

Candidate Starts for Bradman_26:

(Start: 53 @18067 has 300 MA's), (Start: 88 @18121 has 17 MA's), (109, 18142), (125, 18160), (166, 18235), (275, 18442), (297, 18481), (300, 18484), (326, 18529), (407, 18712), (427, 18745), (461, 18847), (495, 18934), (545, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Bradshaw_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 53

Candidate Starts for BrainDrainer_18:

(Start: 53 @15831 has 300 MA's), (70, 15855), (Start: 85 @15882 has 28 MA's), (Start: 88 @15885 has 17 MA's), (Start: 101 @15900 has 29 MA's), (126, 15933), (179, 16029), (255, 16164), (259, 16173), (297, 16233), (300, 16236), (345, 16314), (372, 16329), (389, 16353), (432, 16386), (442, 16422), (452, 16446), (458, 16464), (461, 16473), (476, 16515), (487, 16542), (506, 16590), (518, 16617), (564, 16701),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 95

Candidate Starts for Brandonk123_35:

(Start: 95 @29858 has 50 MA's), (191, 30044), (194, 30056), (208, 30083), (221, 30104), (254, 30164), (301, 30254), (322, 30290), (334, 30323), (342, 30338), (349, 30350), (362, 30380), (365, 30386), (401, 30446), (450, 30536), (481, 30626), (489, 30650), (493, 30662), (514, 30728), (537, 30767), (544, 30779),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 88

Candidate Starts for Braxoaddie_44:

(Start: 88 @30405 has 17 MA's), (Start: 121 @30441 has 2 MA's), (186, 30558), (196, 30597), (207, 30615), (245, 30666), (296, 30765), (340, 30840), (344, 30849), (375, 30924), (388, 30945), (454, 31083), (469, 31119), (481, 31158), (501, 31200), (534, 31263), (551, 31296),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Breezona_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 50

Candidate Starts for Bricole_27:

(Start: 50 @21443 has 24 MA's), (119, 21545), (131, 21563), (140, 21578), (179, 21650), (182, 21659), (229, 21737), (295, 21872), (297, 21875), (300, 21878), (339, 21947), (386, 21989), (389, 21995),

(470, 22136), (476, 22157), (482, 22169), (549, 22292), (553, 22304),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 53

Candidate Starts for Bromden_18:

(Start: 53 @16160 has 300 MA's), (70, 16184), (Start: 85 @16211 has 28 MA's), (Start: 88 @16214 has 17 MA's), (Start: 101 @16229 has 29 MA's), (126, 16262), (179, 16358), (255, 16493), (259, 16502), (300, 16565), (345, 16643), (372, 16658), (389, 16682), (442, 16751), (452, 16775), (458, 16793), (463, 16805), (487, 16871), (506, 16919), (518, 16946), (564, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for BruceB_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 88

Candidate Starts for BrutonGaster_35:

(65, 25015), (77, 25036), (Start: 88 @25054 has 17 MA's), (124, 25102), (179, 25201), (247, 25333), (311, 25444), (338, 25498), (351, 25522), (356, 25537), (410, 25633), (454, 25681), (461, 25699), (520, 25846), (549, 25894), (550, 25897),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 60

Candidate Starts for Bryce_22:

(Start: 60 @15454 has 85 MA's), (Start: 81 @15493 has 6 MA's), (140, 15574), (143, 15580), (178, 15649), (225, 15727), (238, 15754), (300, 15865), (373, 15961), (461, 16090), (469, 16108), (489, 16165), (495, 16177), (561, 16315),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 26

Candidate Starts for Bryler_21:

(Start: 26 @15211 has 217 MA's), (78, 15331), (140, 15421), (178, 15490), (264, 15691), (382, 15916), (420, 15976), (438, 15997), (469, 16069), (470, 16072), (471, 16075), (501, 16162), (508, 16186), (550, 16264), (555, 16279), (566, 16318), (570, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 75

Candidate Starts for Brylie_21:

(Start: 75 @16293 has 17 MA's), (110, 16338), (129, 16368), (186, 16476), (249, 16626), (267, 16674), (320, 16758), (324, 16767), (346, 16809), (433, 16986), (446, 17019), (459, 17055), (539, 17250), (565, 17322), (566, 17325),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 53

Candidate Starts for Bud_27:

(Start: 53 @19742 has 300 MA's), (Start: 88 @19799 has 17 MA's), (140, 19874), (209, 20003), (240, 20063), (268, 20123), (275, 20129), (300, 20171), (326, 20216), (327, 20222), (369, 20306), (379, 20339), (495, 20621), (499, 20630), (503, 20645), (545, 20711),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 91

Candidate Starts for Buggaboo_41:

(Start: 91 @29704 has 6 MA's), (148, 29785), (170, 29821), (204, 29911), (245, 29968), (367, 30202), (385, 30229), (410, 30280), (454, 30373), (501, 30490), (551, 30586), (553, 30592), (558, 30607),

Gene: Buggy_29 Start: 19683, Stop: 20699, Start Num: 53

Candidate Starts for Buggy_29:

(Start: 53 @19683 has 300 MA's), (109, 19758), (125, 19776), (145, 19812), (166, 19851), (275, 20058), (297, 20097), (300, 20100), (347, 20187), (427, 20367), (461, 20469), (489, 20544), (495, 20556),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 53

Candidate Starts for C3_25:

(Start: 53 @19185 has 300 MA's), (Start: 88 @19239 has 17 MA's), (109, 19260), (125, 19278), (219, 19449), (275, 19560), (297, 19599), (300, 19602), (326, 19647), (369, 19737), (456, 19950), (461, 19965), (489, 20040), (495, 20052), (503, 20076), (545, 20142),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 82

Candidate Starts for C3PO_30:

(Start: 82 @27616 has 8 MA's), (Start: 102 @27640 has 1 MA's), (130, 27685), (163, 27745), (181, 27784), (224, 27880), (321, 28042), (336, 28075), (385, 28150), (395, 28174), (461, 28249), (484, 28315), (501, 28351), (510, 28378), (546, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for CLED96_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 53

Candidate Starts for CRB1_27:

(Start: 53 @19176 has 300 MA's), (Start: 88 @19230 has 17 MA's), (125, 19269), (166, 19344), (240, 19485), (275, 19551), (297, 19590), (300, 19593), (407, 19821), (461, 19956), (470, 19977), (489, 20031), (495, 20043), (545, 20133),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for CREW_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 50

Candidate Starts for Cafasso_18:

(7, 15190), (Start: 50 @15643 has 24 MA's), (68, 15670), (Start: 85 @15703 has 28 MA's), (157, 15805), (169, 15832), (179, 15856), (240, 15958), (255, 15991), (266, 16021), (295, 16057), (300, 16063), (306, 16072), (369, 16150), (386, 16180), (389, 16186), (394, 16201), (456, 16306), (482, 16372), (522, 16471), (551, 16504), (561, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 26

Candidate Starts for Cain_21:

(Start: 26 @15199 has 217 MA's), (78, 15319), (140, 15409), (178, 15478), (264, 15679), (382, 15904), (420, 15964), (438, 15985), (469, 16057), (470, 16060), (471, 16063), (501, 16150), (508, 16174), (550, 16252), (555, 16267), (566, 16306), (570, 16324),

Gene: CallaLilly_23 Start: 15974, Stop: 17110, Start Num: 26

Candidate Starts for CallaLilly_23:

(Start: 26 @15974 has 217 MA's), (78, 16091), (140, 16181), (156, 16202), (165, 16223), (178, 16250), (297, 16505), (341, 16586), (372, 16661), (382, 16676), (452, 16787), (469, 16829), (501, 16922), (508, 16946), (555, 17039), (566, 17078), (570, 17096),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 43

Candidate Starts for Calm_17:

(Start: 43 @15861 has 9 MA's), (Start: 53 @15879 has 300 MA's), (70, 15903), (Start: 88 @15933 has 17 MA's), (Start: 101 @15948 has 29 MA's), (126, 15981), (Start: 214 @16125 has 1 MA's), (252, 16206), (297, 16281), (300, 16284), (305, 16290), (328, 16335), (345, 16362), (386, 16395), (389, 16401), (432, 16434), (435, 16443), (442, 16470), (487, 16590), (506, 16638), (551, 16704), (553, 16710), (564, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 27

Candidate Starts for Cambiare_18:

(Start: 27 @16198 has 2 MA's), (78, 16327), (Start: 93 @16345 has 6 MA's), (126, 16396), (140, 16420), (165, 16462), (167, 16465), (177, 16486), (180, 16495), (192, 16531), (207, 16567), (212, 16573), (222, 16591), (246, 16642), (320, 16777), (345, 16831), (370, 16891), (452, 17056), (469, 17098), (495, 17176), (539, 17272), (541, 17275), (564, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Camri_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 53

Candidate Starts for Candra_30:

(Start: 53 @19002 has 300 MA's), (Start: 88 @19056 has 17 MA's), (125, 19095), (179, 19200), (255, 19347), (275, 19377), (297, 19416), (300, 19419), (326, 19464), (354, 19524), (440, 19722), (495, 19872), (499, 19881), (545, 19962),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 53

Candidate Starts for Caprice_46:

(Start: 53 @25826 has 300 MA's), (140, 25958), (155, 25982), (161, 25991), (164, 25997), (168, 26006), (179, 26030), (182, 26039), (187, 26051), (251, 26177), (290, 26258), (300, 26273), (305, 26279), (386, 26387), (461, 26513), (464, 26519), (492, 26594), (528, 26669), (531, 26675), (538, 26687), (540, 26690), (568, 26777), (569, 26780), (571, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Capricorn_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 85

Candidate Starts for CaptainKirk2_18:

(Start: 81 @15811 has 6 MA's), (Start: 85 @15817 has 28 MA's), (182, 15973), (218, 16054), (274, 16153), (341, 16261), (381, 16345), (419, 16411), (461, 16456), (501, 16546), (520, 16588),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 53

Candidate Starts for Caraxes_26:

(Start: 53 @17822 has 300 MA's), (124, 17915), (129, 17930), (145, 17957), (275, 18203), (297, 18242), (300, 18245), (326, 18290), (369, 18380), (407, 18473), (427, 18506), (461, 18608), (481, 18659), (489, 18683), (495, 18695), (503, 18719), (545, 18785),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 80

Candidate Starts for Cardigan_46:

(Start: 80 @29891 has 2 MA's), (140, 29978), (177, 30044), (182, 30059), (272, 30236), (311, 30293), (338, 30347), (351, 30371), (399, 30470), (410, 30488), (454, 30536), (461, 30554), (471, 30578), (549, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 85

Candidate Starts for CarolAnn_18:

(Start: 81 @15754 has 6 MA's), (Start: 85 @15760 has 28 MA's), (182, 15916), (218, 15997), (274, 16096), (341, 16204), (381, 16288), (419, 16354), (423, 16360), (501, 16489), (520, 16531),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for CaseJules_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for CassieYates_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 53

Candidate Starts for Catalina_28:

(Start: 53 @20528 has 300 MA's), (68, 20546), (109, 20603), (125, 20621), (145, 20657), (240, 20837), (255, 20873), (275, 20903), (300, 20945), (376, 21104), (440, 21248), (461, 21311), (489, 21386), (495, 21398), (503, 21422),

Gene: Catfish_21 Start: 17616, Stop: 18467, Start Num: 93

Candidate Starts for Catfish_21:

(Start: 93 @17616 has 6 MA's), (Start: 95 @17619 has 50 MA's), (107, 17640), (132, 17676), (151, 17709), (185, 17778), (199, 17823), (219, 17853), (303, 17988), (319, 18015), (329, 18039), (342, 18060), (406, 18180), (461, 18246), (464, 18252), (556, 18447),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Cedasite_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 53

Candidate Starts for Centaur_29:

(Start: 53 @19640 has 300 MA's), (109, 19715), (125, 19733), (145, 19769), (166, 19808), (255, 19985), (275, 20015), (297, 20054), (300, 20057), (495, 20513), (503, 20537),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 95

Candidate Starts for ChadMasterC_34:

(Start: 95 @30723 has 50 MA's), (191, 30909), (194, 30921), (208, 30948), (221, 30969), (254, 31029), (298, 31116), (301, 31119), (322, 31155), (334, 31188), (342, 31203), (349, 31215), (362, 31245), (365, 31251), (401, 31311), (450, 31401), (481, 31491), (489, 31515), (493, 31527), (514, 31593),

(537, 31632), (544, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 60

Candidate Starts for Chadwick_24:

(Start: 60 @17936 has 85 MA's), (125, 18032), (143, 18065), (145, 18068), (166, 18107), (240, 18242), (252, 18272), (268, 18302), (275, 18308), (285, 18326), (300, 18350), (325, 18392), (495, 18806), (545, 18896),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Chance64_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 26

Candidate Starts for Chancellor_23:

(Start: 26 @17500 has 217 MA's), (30, 17518), (Start: 61 @17590 has 2 MA's), (78, 17620), (140, 17710), (165, 17752), (177, 17776), (222, 17881), (297, 18034), (335, 18103), (339, 18109), (422, 18262), (438, 18280), (452, 18310), (469, 18352), (470, 18355), (555, 18562), (566, 18601), (570, 18619),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 53

Candidate Starts for Changeling_29:

(Start: 53 @21010 has 300 MA's), (125, 21103), (145, 21139), (166, 21178), (275, 21385), (297, 21424), (300, 21427), (326, 21472), (407, 21658), (427, 21691), (440, 21730), (495, 21880),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 53

Candidate Starts for Chargerpower_27:

(Start: 53 @18273 has 300 MA's), (68, 18291), (125, 18366), (145, 18402), (166, 18441), (209, 18522), (240, 18582), (275, 18648), (300, 18690), (396, 18900), (413, 18936), (495, 19152), (499, 19161), (545, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 53

Candidate Starts for Charm_27:

(Start: 53 @18681 has 300 MA's), (68, 18699), (Start: 88 @18735 has 17 MA's), (125, 18774), (240, 18990), (255, 19026), (275, 19056), (300, 19098), (326, 19143), (372, 19248), (400, 19320), (413, 19344), (418, 19350), (489, 19548), (495, 19560), (499, 19569), (503, 19584), (545, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 95

Candidate Starts for Charming_34:

(Start: 95 @29358 has 50 MA's), (191, 29544), (194, 29556), (208, 29583), (221, 29604), (254, 29664), (301, 29754), (322, 29790), (334, 29823), (342, 29838), (349, 29850), (362, 29880), (365, 29886), (401, 29946), (450, 30036), (481, 30126), (489, 30150), (493, 30162), (514, 30228), (524, 30243), (537, 30267), (544, 30279), (557, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 53

Candidate Starts for Chartreuse_30:

(Start: 53 @18913 has 300 MA's), (Start: 88 @18967 has 17 MA's), (125, 19006), (179, 19111), (255, 19258), (275, 19288), (297, 19327), (300, 19330), (326, 19375), (354, 19435), (440, 19633), (495, 19783), (499, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 53

Candidate Starts for Chaser_17:

(Start: 53 @15760 has 300 MA's), (70, 15784), (Start: 85 @15811 has 28 MA's), (Start: 88 @15814 has 17 MA's), (Start: 101 @15829 has 29 MA's), (126, 15862), (179, 15958), (255, 16093), (259, 16102), (297, 16162), (300, 16165), (345, 16243), (372, 16258), (389, 16282), (435, 16324), (442, 16351), (452, 16375), (458, 16393), (476, 16444), (487, 16471), (506, 16519), (518, 16546), (564, 16630),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 26

Candidate Starts for Chavito_22:

(Start: 26 @15385 has 217 MA's), (78, 15505), (140, 15595), (178, 15664), (221, 15763), (222, 15766), (264, 15865), (297, 15919), (341, 16000), (372, 16075), (382, 16090), (452, 16201), (469, 16243), (486, 16297), (501, 16336), (508, 16360), (541, 16420), (550, 16438), (555, 16453), (566, 16492), (570, 16510),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 53

Candidate Starts for Che12_29:

(Start: 53 @18081 has 300 MA's), (125, 18174), (145, 18210), (258, 18432), (275, 18456), (297, 18495), (300, 18498), (369, 18633), (407, 18726), (495, 18948), (503, 18972), (545, 19038),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 26

Candidate Starts for CheetoDust_22:

(Start: 26 @16028 has 217 MA's), (78, 16145), (140, 16235), (156, 16256), (165, 16277), (178, 16304), (297, 16559), (341, 16640), (372, 16715), (382, 16730), (452, 16841), (469, 16883), (501, 16976), (508, 17000), (555, 17093), (566, 17132), (570, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 26

Candidate Starts for Cheetobro_23:

(Start: 26 @17497 has 217 MA's), (30, 17515), (Start: 61 @17587 has 2 MA's), (78, 17617), (140, 17707), (165, 17749), (177, 17773), (222, 17878), (297, 18031), (335, 18100), (339, 18106), (422, 18259), (438, 18277), (452, 18307), (469, 18349), (470, 18352), (555, 18559), (566, 18598), (570, 18616),

Gene: CherryCola_34 Start: 25854, Stop: 26798, Start Num: 101

Candidate Starts for CherryCola_34:

(Start: 101 @25854 has 29 MA's), (163, 25959), (189, 26028), (191, 26034), (198, 26058), (208, 26073), (401, 26433), (412, 26448), (421, 26466), (468, 26568), (481, 26610), (493, 26646), (533, 26742), (557, 26793),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Cherrybomb426_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 87

Candidate Starts for ChewyVIII_55:

(Start: 87 @37234 has 1 MA's), (160, 37336), (207, 37456), (220, 37477), (245, 37507), (262, 37546), (304, 37612), (360, 37726), (408, 37828), (423, 37855), (501, 38038), (521, 38086), (543, 38125), (548, 38131),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 38

Candidate Starts for Chickadee_31:

(Start: 38 @26548 has 25 MA's), (Start: 49 @26560 has 1 MA's), (67, 26587), (97, 26635), (100, 26638), (134, 26689), (177, 26767), (215, 26863), (255, 26935), (331, 27064), (350, 27097), (364, 27133), (484, 27319), (500, 27349), (509, 27376), (532, 27412), (549, 27445), (570, 27514),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 53

Candidate Starts for ChipMunk_29:

(Start: 53 @19587 has 300 MA's), (109, 19662), (125, 19680), (145, 19716), (166, 19755), (275, 19962), (297, 20001), (300, 20004), (347, 20091), (427, 20271), (461, 20373), (489, 20448), (495, 20460),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 75

Candidate Starts for Chop_21:

(Start: 75 @16827 has 17 MA's), (110, 16872), (129, 16902), (186, 17010), (249, 17160), (267, 17208), (320, 17292), (324, 17301), (346, 17343), (433, 17520), (459, 17589), (517, 17751), (539, 17784), (565, 17856), (566, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 26

Candidate Starts for Chris_21:

(Start: 26 @15243 has 217 MA's), (78, 15360), (Start: 93 @15378 has 6 MA's), (156, 15471), (178, 15519), (264, 15720), (325, 15819), (332, 15840), (371, 15927), (382, 15945), (422, 16008), (441, 16032), (452, 16056), (469, 16098), (470, 16101), (486, 16152), (501, 16191), (555, 16308), (562, 16335), (566, 16347), (570, 16365),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 43

Candidate Starts for CicholasNage_17:

(Start: 43 @15849 has 9 MA's), (Start: 53 @15867 has 300 MA's), (70, 15891), (Start: 88 @15921 has 17 MA's), (Start: 101 @15936 has 29 MA's), (126, 15969), (Start: 214 @16113 has 1 MA's), (252, 16194), (297, 16269), (300, 16272), (305, 16278), (328, 16323), (345, 16350), (386, 16383), (389, 16389), (432, 16422), (435, 16431), (442, 16458), (487, 16578), (506, 16626), (551, 16692), (553, 16698), (564, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 101

Candidate Starts for ClamChowder_32:

(Start: 101 @25634 has 29 MA's), (163, 25739), (189, 25808), (191, 25814), (198, 25838), (208, 25853), (401, 26213), (412, 26228), (421, 26246), (468, 26348), (481, 26390), (493, 26426), (533, 26522), (557, 26573),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 53

Candidate Starts for Clarkson_50:

(Start: 53 @26438 has 300 MA's), (140, 26570), (155, 26594), (161, 26603), (164, 26609), (168, 26618), (179, 26642), (182, 26651), (187, 26663), (191, 26675), (251, 26789), (290, 26870), (300, 26885), (305, 26891), (386, 26999), (461, 27125), (464, 27131), (492, 27206), (528, 27281), (531, 27287), (538, 27299), (540, 27302), (568, 27389), (569, 27392), (571, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 53

Candidate Starts for Claus_17:

(Start: 53 @16055 has 300 MA's), (70, 16079), (Start: 88 @16109 has 17 MA's), (145, 16190), (171, 16235), (295, 16460), (297, 16463), (300, 16466), (319, 16496), (370, 16553), (389, 16583), (442, 16652), (450, 16670), (476, 16745), (482, 16757), (506, 16820), (518, 16847), (553, 16910), (564, 16949), (567, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for Clautastrophe_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: Clipper_24 Start: 16028, Stop: 17164, Start Num: 26

Candidate Starts for Clipper_24:

(Start: 26 @16028 has 217 MA's), (78, 16145), (140, 16235), (156, 16256), (165, 16277), (178, 16304), (297, 16559), (341, 16640), (372, 16715), (382, 16730), (452, 16841), (469, 16883), (501, 16976), (508, 17000), (555, 17093), (566, 17132), (570, 17150),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 53

Candidate Starts for CloudWang3_30:

(Start: 53 @18960 has 300 MA's), (68, 18978), (Start: 88 @19014 has 17 MA's), (125, 19053), (179, 19158), (275, 19335), (297, 19374), (300, 19377), (347, 19464), (354, 19485), (407, 19611), (440, 19683), (495, 19833), (499, 19842), (545, 19923),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 101

Candidate Starts for Clown_34:

(Start: 101 @27669 has 29 MA's), (105, 27678), (140, 27726), (163, 27765), (182, 27810), (191, 27840), (198, 27864), (208, 27879), (242, 27936), (301, 28053), (303, 28056), (401, 28236), (468, 28371), (479, 28407), (481, 28413), (493, 28449), (511, 28509), (514, 28515), (519, 28524), (533, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 88

Candidate Starts for ClubL_47:

(Start: 88 @28631 has 17 MA's), (124, 28679), (140, 28706), (179, 28778), (202, 28844), (221, 28874), (283, 28982), (338, 29075), (351, 29099), (356, 29114), (410, 29210), (454, 29258), (532, 29438), (550, 29474),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 88

Candidate Starts for CoffeeBean_44:

(Start: 88 @30363 has 17 MA's), (Start: 121 @30399 has 2 MA's), (186, 30516), (196, 30555), (207, 30573), (245, 30624), (296, 30723), (340, 30798), (344, 30807), (375, 30882), (388, 30903), (454, 31041), (469, 31077), (481, 31116), (501, 31158), (534, 31221), (551, 31254),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 26

Candidate Starts for Coleslaw_17:

(6, 15135), (Start: 26 @15468 has 217 MA's), (78, 15588), (Start: 93 @15606 has 6 MA's), (123, 15651), (126, 15657), (163, 15720), (180, 15756), (205, 15825), (207, 15828), (221, 15849), (246, 15903), (264, 15948), (284, 15978), (339, 16080), (345, 16092), (352, 16104), (359, 16122), (438, 16287), (452, 16317), (459, 16335), (469, 16359), (509, 16479), (555, 16569), (564, 16602),

Gene: Colin_31 Start: 20885, Stop: 21898, Start Num: 53

Candidate Starts for Colin_31:

(Start: 53 @20885 has 300 MA's), (68, 20903), (109, 20960), (125, 20978), (145, 21014), (166, 21053), (275, 21260), (297, 21299), (300, 21302), (326, 21347), (354, 21407), (369, 21440), (404, 21530), (407, 21533), (427, 21566), (495, 21755), (499, 21764),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 29

Candidate Starts for Collard_20:

(Start: 29 @16380 has 26 MA's), (123, 16554), (163, 16620), (165, 16623), (178, 16650), (221, 16749), (264, 16851), (297, 16905), (317, 16935), (332, 16971), (334, 16974), (339, 16983), (371, 17058),

(372, 17061), (398, 17097), (422, 17139), (438, 17157), (441, 17163), (452, 17187), (453, 17190), (469, 17229), (555, 17439), (566, 17478), (570, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 44

Candidate Starts for Colleen_18:

(Start: 44 @16550 has 4 MA's), (Start: 46 @16553 has 1 MA's), (Start: 101 @16637 has 29 MA's), (179, 16775), (370, 17063),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 91

Candidate Starts for Commandaria_42:

(Start: 91 @30197 has 6 MA's), (148, 30284), (167, 30314), (186, 30359), (245, 30467), (344, 30650), (385, 30731), (388, 30737), (399, 30764), (491, 30980), (501, 31007), (551, 31103),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 53

Candidate Starts for Conquerage_28:

(Start: 53 @20557 has 300 MA's), (68, 20575), (109, 20632), (125, 20650), (145, 20686), (240, 20866), (255, 20902), (275, 20932), (300, 20974), (376, 21133), (440, 21277), (461, 21340), (489, 21415), (495, 21427), (503, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 60

Candidate Starts for Conspiracy_23:

(Start: 60 @18474 has 85 MA's), (125, 18570), (143, 18603), (145, 18606), (166, 18645), (186, 18693), (275, 18846), (285, 18864), (300, 18888), (325, 18930), (456, 19242), (495, 19344), (505, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 60

Candidate Starts for Coog_23:

(Start: 60 @18617 has 85 MA's), (125, 18713), (143, 18746), (145, 18749), (166, 18788), (240, 18923), (268, 18983), (275, 18989), (285, 19007), (300, 19031), (325, 19073), (456, 19385), (495, 19487), (505, 19514), (545, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 53

Candidate Starts for Cookiedough_30:

(Start: 53 @18959 has 300 MA's), (Start: 88 @19013 has 17 MA's), (125, 19052), (179, 19157), (255, 19304), (275, 19334), (297, 19373), (300, 19376), (326, 19421), (354, 19481), (440, 19679), (495, 19829), (499, 19838),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 53

Candidate Starts for Corazon_47:

(Start: 53 @26391 has 300 MA's), (140, 26523), (155, 26547), (161, 26556), (164, 26562), (168, 26571), (179, 26595), (182, 26604), (187, 26616), (191, 26628), (251, 26742), (290, 26823), (300, 26838), (305, 26844), (386, 26952), (461, 27078), (464, 27084), (492, 27159), (528, 27234), (531, 27240), (538, 27252), (540, 27255), (568, 27342), (569, 27345), (571, 27348),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for CosmicSans_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: CoveyB_33 Start: 25434, Stop: 26378, Start Num: 101

Candidate Starts for CoveyB_33:

(Start: 101 @25434 has 29 MA's), (163, 25539), (189, 25608), (191, 25614), (198, 25638), (208, 25653), (401, 26013), (412, 26028), (421, 26046), (468, 26148), (481, 26190), (493, 26226), (533,

26322), (557, 26373),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 62

Candidate Starts for Cracklewink_23:

(Start: 62 @18745 has 5 MA's), (114, 18811), (120, 18820), (156, 18883), (163, 18901), (167, 18907), (221, 19030), (233, 19057), (234, 19060), (248, 19081), (305, 19183), (311, 19192), (325, 19219), (367, 19294), (394, 19336), (412, 19363), (452, 19432), (453, 19435), (471, 19477), (486, 19525), (489, 19534), (505, 19576), (509, 19588), (542, 19645), (566, 19714),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 26

Candidate Starts for Crespo_17:

(6, 15145), (Start: 26 @15478 has 217 MA's), (78, 15598), (Start: 93 @15616 has 6 MA's), (123, 15661), (126, 15667), (163, 15730), (180, 15766), (205, 15835), (207, 15838), (221, 15859), (246, 15913), (264, 15958), (284, 15988), (339, 16090), (345, 16102), (352, 16114), (359, 16132), (438, 16297), (452, 16327), (459, 16345), (469, 16369), (509, 16489), (555, 16579), (564, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 26

Candidate Starts for CrimD_22:

(Start: 26 @15989 has 217 MA's), (78, 16106), (140, 16196), (156, 16217), (165, 16238), (178, 16265), (297, 16520), (341, 16601), (372, 16676), (382, 16691), (452, 16802), (469, 16844), (501, 16937), (508, 16961), (555, 17054), (566, 17093), (570, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Crossroads_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 53

Candidate Starts for Crucio_27:

(Start: 53 @19105 has 300 MA's), (109, 19180), (125, 19198), (145, 19234), (166, 19273), (275, 19480), (297, 19519), (300, 19522), (427, 19789), (461, 19891), (489, 19966), (495, 19978), (545, 20068),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 82

Candidate Starts for Cruella_30:

(Start: 82 @27616 has 8 MA's), (Start: 102 @27640 has 1 MA's), (130, 27685), (163, 27745), (181, 27784), (224, 27880), (321, 28042), (336, 28075), (385, 28150), (395, 28174), (461, 28249), (484, 28315), (501, 28351), (510, 28378), (546, 28435),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 60

Candidate Starts for Cuco_23:

(Start: 60 @18647 has 85 MA's), (125, 18743), (143, 18776), (145, 18779), (166, 18818), (240, 18953), (268, 19013), (275, 19019), (285, 19037), (300, 19061), (325, 19103), (456, 19415), (495, 19517), (545, 19607),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 88

Candidate Starts for Cucurbita_49:

(Start: 88 @30001 has 17 MA's), (124, 30049), (140, 30076), (179, 30148), (202, 30214), (221, 30244), (283, 30352), (338, 30445), (351, 30469), (356, 30484), (410, 30580), (454, 30628), (532, 30808), (550, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 83

Candidate Starts for Culver_47:

(Start: 83 @28434 has 24 MA's), (Start: 88 @28440 has 17 MA's), (124, 28488), (140, 28515), (179, 28587), (202, 28653), (221, 28683), (283, 28791), (338, 28884), (351, 28908), (356, 28923), (410, 29019), (454, 29067), (532, 29247), (550, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 26

Candidate Starts for Curiosium_23:

(Start: 26 @15737 has 217 MA's), (78, 15854), (156, 15965), (178, 16013), (297, 16268), (302, 16274), (341, 16349), (382, 16439), (452, 16550), (469, 16592), (501, 16685), (508, 16709), (555, 16802), (566, 16841), (570, 16859),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for D29_27:

(Start: 53 @19042 has 300 MA's), (Start: 88 @19096 has 17 MA's), (109, 19117), (125, 19135), (219, 19306), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for D32_30:

(Start: 53 @19042 has 300 MA's), (Start: 88 @19096 has 17 MA's), (109, 19117), (125, 19135), (219, 19306), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for DBQu4n_30:

(Start: 53 @19042 has 300 MA's), (109, 19117), (125, 19135), (219, 19306), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 53

Candidate Starts for DHan_17:

(Start: 53 @15991 has 300 MA's), (70, 16015), (Start: 88 @16045 has 17 MA's), (145, 16126), (171, 16171), (295, 16396), (297, 16399), (300, 16402), (319, 16432), (370, 16489), (389, 16519), (442, 16588), (450, 16606), (476, 16681), (482, 16693), (506, 16756), (518, 16783), (553, 16846), (564, 16885), (567, 16897),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for DMoney_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 26

Candidate Starts for DNAIII_0017:

(6, 15153), (Start: 26 @15486 has 217 MA's), (78, 15606), (Start: 93 @15624 has 6 MA's), (123, 15669), (126, 15675), (163, 15738), (180, 15774), (205, 15843), (207, 15846), (221, 15867), (246, 15921), (264, 15966), (284, 15996), (339, 16098), (345, 16110), (352, 16122), (359, 16140), (438, 16305), (452, 16335), (459, 16353), (469, 16377), (509, 16497), (555, 16587), (564, 16620),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 53

Candidate Starts for DaVinci_30:

(Start: 53 @18967 has 300 MA's), (Start: 88 @19021 has 17 MA's), (125, 19060), (179, 19165), (255, 19312), (275, 19342), (297, 19381), (300, 19384), (326, 19429), (354, 19489), (440, 19687), (495, 19837), (499, 19846),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 29

Candidate Starts for Dadosky_20:

(Start: 29 @16302 has 26 MA's), (123, 16476), (163, 16542), (178, 16572), (221, 16671), (264, 16773), (297, 16827), (317, 16857), (332, 16893), (334, 16896), (339, 16905), (371, 16980), (372, 16983), (393, 17004), (398, 17019), (422, 17061), (438, 17079), (441, 17085), (452, 17109), (453, 17112), (469, 17151), (503, 17253), (555, 17361), (566, 17400), (570, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 69

Candidate Starts for Daegal_22:

(Start: 69 @16606 has 22 MA's), (74, 16615), (140, 16711), (145, 16720), (152, 16729), (178, 16780), (180, 16786), (224, 16882), (232, 16900), (256, 16969), (261, 16978), (267, 16999), (271, 17005), (274, 17011), (276, 17014), (320, 17086), (322, 17089), (396, 17245), (426, 17296), (431, 17314), (454, 17386), (461, 17404), (490, 17488), (501, 17515), (502, 17518), (513, 17554), (525, 17572), (550, 17614), (555, 17629), (556, 17632), (564, 17662), (566, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 90

Candidate Starts for Dalilpop_45:

(2, 30261), (Start: 90 @31200 has 25 MA's), (148, 31278), (220, 31431), (296, 31560), (333, 31623), (388, 31731), (501, 31986), (541, 32061), (551, 32082),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 53

Candidate Starts for Dalmatian_27:

(Start: 53 @19252 has 300 MA's), (109, 19327), (125, 19345), (145, 19381), (166, 19420), (275, 19627), (297, 19666), (300, 19669), (427, 19936), (461, 20038), (489, 20113), (495, 20125), (545, 20215), (549, 20218),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Dalmuri_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 53

Candidate Starts for DanBing_16:

(Start: 53 @15895 has 300 MA's), (70, 15919), (Start: 88 @15949 has 17 MA's), (145, 16030), (171, 16075), (295, 16300), (297, 16303), (300, 16306), (319, 16336), (370, 16393), (389, 16423), (442, 16492), (450, 16510), (476, 16585), (482, 16597), (506, 16660), (518, 16687), (553, 16750), (564, 16789), (567, 16801),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 60

Candidate Starts for Danforth_22:

(Start: 60 @17615 has 85 MA's), (140, 17738), (143, 17744), (179, 17816), (240, 17921), (251, 17948), (300, 18038), (391, 18239), (404, 18269), (407, 18272), (489, 18482), (505, 18521), (536, 18569), (545, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 101

Candidate Starts for Danyall_32:

(Start: 101 @25434 has 29 MA's), (163, 25539), (189, 25608), (191, 25614), (198, 25638), (208, 25653), (401, 26013), (412, 26028), (421, 26046), (468, 26148), (481, 26190), (493, 26226), (533,

26322), (557, 26373),

Gene: Dardanus_23 Start: 15835, Stop: 16677, Start Num: 93

Candidate Starts for Dardanus_23:

(Start: 93 @15835 has 6 MA's), (Start: 95 @15838 has 50 MA's), (105, 15850), (132, 15886), (149, 15916), (151, 15919), (176, 15967), (188, 16000), (211, 16051), (219, 16063), (225, 16075), (303, 16198), (326, 16240), (329, 16249), (341, 16267), (342, 16270), (363, 16318), (364, 16321), (376, 16342), (406, 16390), (443, 16426), (479, 16498), (480, 16501), (485, 16507), (529, 16597), (535, 16612), (553, 16648),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 83

Candidate Starts for Daredevil_28:

(Start: 83 @24544 has 24 MA's), (140, 24619), (175, 24682), (179, 24691), (182, 24700), (246, 24820), (274, 24880), (338, 24988), (410, 25123), (454, 25171), (481, 25246), (501, 25294), (526, 25342), (532, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Darionha_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 53

Candidate Starts for Darrell_29:

(Start: 53 @20724 has 300 MA's), (68, 20742), (Start: 81 @20769 has 6 MA's), (109, 20799), (125, 20817), (240, 21033), (255, 21069), (275, 21099), (300, 21141), (372, 21291), (376, 21300), (413, 21387), (440, 21453), (489, 21591), (495, 21603), (499, 21612), (503, 21627),

Gene: DARTH_P_21 Start: 16442, Stop: 17578, Start Num: 26

Candidate Starts for DARTH_P_21:

(Start: 26 @16442 has 217 MA's), (78, 16559), (Start: 93 @16577 has 6 MA's), (114, 16610), (140, 16649), (178, 16718), (221, 16817), (224, 16823), (264, 16919), (297, 16973), (332, 17039), (339, 17051), (422, 17207), (441, 17231), (469, 17297), (470, 17300), (471, 17303), (501, 17390), (555, 17507), (566, 17546), (570, 17564),

Gene: DARTH_P_28 Start: 20722, Stop: 21738, Start Num: 53

Candidate Starts for DARTH_P_28:

(Start: 53 @20722 has 300 MA's), (109, 20797), (125, 20815), (145, 20851), (166, 20890), (275, 21097), (297, 21136), (300, 21139), (369, 21280), (396, 21352), (495, 21595),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 26

Candidate Starts for Dartin_22:

(Start: 26 @15375 has 217 MA's), (78, 15495), (140, 15585), (178, 15654), (221, 15753), (222, 15756), (264, 15855), (297, 15909), (341, 15990), (372, 16065), (382, 16080), (441, 16167), (452, 16191), (469, 16233), (470, 16236), (486, 16287), (501, 16326), (541, 16410), (550, 16428), (555, 16443), (566, 16482), (570, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 82

Candidate Starts for Darwin_33:

(Start: 82 @27301 has 8 MA's), (Start: 102 @27325 has 1 MA's), (130, 27370), (163, 27430), (181, 27469), (224, 27565), (321, 27727), (336, 27760), (385, 27835), (395, 27859), (484, 28000), (501, 28036), (510, 28063), (546, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 83

Candidate Starts for DatBoi_30:

(Start: 83 @26971 has 24 MA's), (103, 26992), (140, 27046), (246, 27247), (269, 27298), (274, 27307), (296, 27343), (338, 27415), (342, 27421), (410, 27550), (454, 27598), (481, 27673), (501, 27721),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 26

Candidate Starts for Deby_22:

(Start: 26 @15985 has 217 MA's), (78, 16102), (140, 16192), (156, 16213), (165, 16234), (178, 16261), (297, 16516), (341, 16597), (372, 16672), (382, 16687), (452, 16798), (469, 16840), (501, 16933), (508, 16957), (555, 17050), (566, 17089), (570, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for DeepSoil15_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 57

Candidate Starts for DekHockey33_29:

(Start: 57 @18241 has 20 MA's), (140, 18355), (143, 18361), (145, 18364), (263, 18598), (407, 18865), (437, 18919), (495, 19075),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 75

Candidate Starts for DelRio_22:

(Start: 75 @17301 has 17 MA's), (110, 17346), (129, 17376), (186, 17484), (249, 17634), (267, 17682), (320, 17766), (324, 17775), (346, 17817), (433, 17994), (459, 18063), (539, 18258), (565, 18330), (566, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 85

Candidate Starts for Delian_18:

(Start: 81 @15811 has 6 MA's), (Start: 85 @15817 has 28 MA's), (182, 15973), (218, 16054), (274, 16153), (341, 16261), (381, 16345), (419, 16411), (461, 16456), (501, 16546), (520, 16588),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 53

Candidate Starts for Deloris_28:

(Start: 53 @19613 has 300 MA's), (125, 19706), (145, 19742), (166, 19781), (275, 19988), (297, 20027), (300, 20030), (407, 20258), (427, 20291), (461, 20393), (470, 20414), (489, 20468), (495, 20480), (545, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 38

Candidate Starts for Delrey21_33:

(Start: 38 @29967 has 25 MA's), (97, 30054), (124, 30090), (144, 30126), (215, 30282), (217, 30285), (255, 30354), (289, 30417), (294, 30426), (350, 30516), (363, 30549), (364, 30552), (471, 30705), (487, 30747), (500, 30768), (509, 30795), (521, 30816), (529, 30825), (532, 30831), (549, 30864), (550, 30867), (563, 30912), (566, 30921), (570, 30933),

Gene: Derg_29 Start: 28515, Stop: 29471, Start Num: 95

Candidate Starts for Derg_29:

(Start: 95 @28515 has 50 MA's), (182, 28671), (191, 28701), (194, 28713), (195, 28716), (198, 28725), (208, 28740), (216, 28752), (301, 28911), (322, 28947), (349, 29007), (365, 29043), (401, 29103),

(450, 29193), (481, 29283), (489, 29307), (493, 29319), (514, 29385), (524, 29400), (537, 29424), (544, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 26

Candidate Starts for Devera_22:

(Start: 26 @16032 has 217 MA's), (78, 16149), (156, 16260), (165, 16281), (178, 16308), (222, 16410), (297, 16563), (341, 16644), (365, 16698), (372, 16719), (382, 16734), (452, 16845), (469, 16887), (501, 16980), (508, 17004), (555, 17097), (566, 17136), (570, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Dewey_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Dextert_32 Start: 26991, Stop: 27968, Start Num: 38

Candidate Starts for Dextert_32:

(Start: 38 @26991 has 25 MA's), (Start: 49 @27003 has 1 MA's), (67, 27030), (97, 27078), (100, 27081), (134, 27132), (177, 27210), (215, 27306), (230, 27339), (255, 27378), (331, 27507), (350, 27540), (364, 27576), (484, 27762), (500, 27792), (509, 27819), (532, 27855), (549, 27888), (570, 27957),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 53

Candidate Starts for Dignity_29:

(Start: 53 @19628 has 300 MA's), (109, 19703), (125, 19721), (145, 19757), (166, 19796), (275, 20003), (297, 20042), (300, 20045), (347, 20132), (427, 20312), (461, 20414), (489, 20489), (495, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 50

Candidate Starts for Diminimus_28:

(Start: 50 @21456 has 24 MA's), (119, 21558), (131, 21576), (140, 21591), (179, 21663), (182, 21672), (229, 21750), (295, 21885), (297, 21888), (300, 21891), (339, 21960), (386, 22002), (389, 22008), (470, 22149), (476, 22170), (482, 22182), (549, 22305), (553, 22317),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 60

Candidate Starts for Dinger_22:

(Start: 60 @15450 has 85 MA's), (Start: 81 @15489 has 6 MA's), (143, 15576), (178, 15645), (225, 15723), (300, 15861), (461, 16086), (469, 16104), (495, 16173), (561, 16311),

Gene: DinoDaryn_23 Start: 15864, Stop: 16697, Start Num: 93

Candidate Starts for DinoDaryn_23:

(Start: 93 @15864 has 6 MA's), (Start: 95 @15867 has 50 MA's), (112, 15882), (137, 15921), (149, 15942), (151, 15945), (219, 16089), (329, 16275), (376, 16362), (443, 16446), (485, 16527), (524, 16611), (529, 16617), (534, 16629), (535, 16632), (549, 16656),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 53

Candidate Starts for DirkDirk_17:

(31, 15804), (32, 15807), (Start: 43 @15840 has 9 MA's), (Start: 53 @15858 has 300 MA's), (70, 15882), (Start: 88 @15912 has 17 MA's), (Start: 101 @15927 has 29 MA's), (126, 15960), (Start: 214 @16104 has 1 MA's), (252, 16185), (297, 16260), (300, 16263), (305, 16269), (328, 16314), (345, 16341), (386, 16374), (389, 16380), (432, 16413), (435, 16422), (442, 16449), (487, 16569), (506,

16617), (518, 16644), (551, 16683), (553, 16689), (564, 16728),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 60

Candidate Starts for Discoknowium_23:

(Start: 60 @18763 has 85 MA's), (125, 18859), (143, 18892), (145, 18895), (166, 18934), (186, 18982), (275, 19135), (285, 19153), (300, 19177), (325, 19219), (456, 19531), (495, 19633), (505, 19660), (545, 19723),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 28

Candidate Starts for DismalFunk_18:

(Start: 28 @13889 has 10 MA's), (30, 13898), (78, 14000), (140, 14090), (165, 14132), (167, 14135), (178, 14159), (221, 14258), (248, 14321), (264, 14360), (297, 14414), (332, 14480), (339, 14492), (362, 14543), (371, 14567), (422, 14645), (438, 14663), (452, 14693), (455, 14702), (469, 14735), (470, 14738), (508, 14852), (550, 14930), (555, 14945), (566, 14984), (570, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 28

Candidate Starts for DismalStressor_18:

(Start: 28 @13889 has 10 MA's), (30, 13898), (78, 14000), (140, 14090), (165, 14132), (167, 14135), (178, 14159), (221, 14258), (248, 14321), (264, 14360), (297, 14414), (332, 14480), (339, 14492), (362, 14543), (371, 14567), (422, 14645), (438, 14663), (452, 14693), (455, 14702), (469, 14735), (470, 14738), (508, 14852), (550, 14930), (555, 14945), (566, 14984), (570, 15002),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 60

Candidate Starts for Dixon_23:

(Start: 60 @17634 has 85 MA's), (140, 17757), (143, 17763), (179, 17835), (240, 17940), (251, 17967), (300, 18057), (391, 18258), (404, 18288), (407, 18291), (489, 18501), (505, 18540), (536, 18588), (545, 18603),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 38

Candidate Starts for DoctorFroggo_33:

(Start: 38 @29967 has 25 MA's), (97, 30054), (124, 30090), (144, 30126), (215, 30282), (217, 30285), (255, 30354), (289, 30417), (294, 30426), (350, 30516), (363, 30549), (364, 30552), (471, 30705), (487, 30747), (500, 30768), (509, 30795), (521, 30816), (529, 30825), (532, 30831), (549, 30864), (550, 30867), (563, 30912), (566, 30921), (570, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 85

Candidate Starts for Dogfish_20:

(15, 17051), (Start: 85 @17321 has 28 MA's), (Start: 90 @17327 has 25 MA's), (116, 17363), (118, 17366), (196, 17528), (200, 17534), (209, 17549), (218, 17561), (272, 17657), (274, 17660), (280, 17669), (288, 17681), (296, 17696), (365, 17825), (421, 17921), (453, 17945), (461, 17966), (470, 17987), (483, 18017), (501, 18053), (532, 18107),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 26

Candidate Starts for Dole_22:

(Start: 26 @16034 has 217 MA's), (78, 16151), (156, 16262), (165, 16283), (178, 16310), (222, 16412), (297, 16565), (341, 16646), (365, 16700), (372, 16721), (382, 16736), (452, 16847), (469, 16889), (501, 16982), (508, 17006), (555, 17099), (566, 17138), (570, 17156),

Gene: DonkeyMan_17 Start: 14102, Stop: 14944, Start Num: 56

Candidate Starts for DonkeyMan_17:

(8, 13646), (10, 13724), (16, 13922), (Start: 35 @14063 has 4 MA's), (Start: 56 @14102 has 14 MA's), (Start: 101 @14171 has 29 MA's), (123, 14201), (131, 14222), (150, 14255), (171, 14297), (172, 14300), (255, 14441), (300, 14507), (394, 14639), (452, 14714), (478, 14768), (495, 14810), (522,

14876), (549, 14915),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 53

Candidate Starts for Dorothea_30:

(Start: 53 @18967 has 300 MA's), (Start: 88 @19021 has 17 MA's), (125, 19060), (179, 19165), (255, 19312), (275, 19342), (297, 19381), (300, 19384), (326, 19429), (354, 19489), (440, 19687), (495, 19837), (499, 19846),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 53

Candidate Starts for Douge_17:

(Start: 53 @15701 has 300 MA's), (70, 15725), (Start: 85 @15752 has 28 MA's), (Start: 88 @15755 has 17 MA's), (Start: 101 @15770 has 29 MA's), (126, 15803), (179, 15899), (255, 16034), (259, 16043), (297, 16103), (300, 16106), (345, 16184), (372, 16199), (389, 16223), (442, 16292), (452, 16316), (458, 16334), (476, 16385), (487, 16412), (506, 16460), (518, 16487), (564, 16571),

Gene: Doughnut_18 Start: 13918, Stop: 15036, Start Num: 30

Candidate Starts for Doughnut_18:

(Start: 28 @13909 has 10 MA's), (30, 13918), (78, 14020), (140, 14110), (165, 14152), (178, 14179), (218, 14272), (221, 14278), (248, 14341), (264, 14380), (297, 14434), (339, 14512), (362, 14563), (371, 14587), (422, 14665), (438, 14683), (452, 14713), (469, 14755), (470, 14758), (508, 14872), (550, 14950), (555, 14965), (566, 15004), (570, 15022),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 53

Candidate Starts for Douzhi_17:

(Start: 53 @15692 has 300 MA's), (70, 15716), (Start: 85 @15743 has 28 MA's), (Start: 88 @15746 has 17 MA's), (Start: 101 @15761 has 29 MA's), (126, 15794), (179, 15890), (255, 16025), (259, 16034), (297, 16094), (300, 16097), (345, 16175), (372, 16190), (389, 16214), (432, 16247), (442, 16283), (452, 16307), (458, 16325), (461, 16334), (476, 16376), (487, 16403), (506, 16451), (518, 16478), (564, 16562),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 26

Candidate Starts for DrHayes_22:

(Start: 26 @15965 has 217 MA's), (78, 16082), (140, 16172), (156, 16193), (165, 16214), (178, 16241), (264, 16442), (297, 16496), (302, 16502), (341, 16577), (372, 16652), (382, 16667), (469, 16820), (501, 16913), (508, 16937), (555, 17030), (566, 17069), (570, 17087),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for DrSeegs_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 53

Candidate Starts for Drake55_29:

(Start: 53 @19657 has 300 MA's), (109, 19732), (125, 19750), (145, 19786), (166, 19825), (255, 20002), (275, 20032), (297, 20071), (300, 20074), (495, 20530), (503, 20554),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 53

Candidate Starts for DreamTeam1_27:

(Start: 53 @18680 has 300 MA's), (68, 18698), (Start: 88 @18734 has 17 MA's), (125, 18773), (240, 18989), (255, 19025), (275, 19055), (300, 19097), (326, 19142), (372, 19247), (400, 19319), (413, 19343), (418, 19349), (489, 19547), (495, 19559), (499, 19568), (503, 19583), (545, 19649),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 60

Candidate Starts for Dublin_22:

(Start: 60 @18616 has 85 MA's), (125, 18712), (143, 18745), (145, 18748), (166, 18787), (240, 18922), (268, 18982), (275, 18988), (285, 19006), (300, 19030), (325, 19072), (456, 19384), (495, 19486), (505, 19513), (545, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 53

Candidate Starts for DudeLittle_27:

(Start: 53 @19254 has 300 MA's), (109, 19329), (125, 19347), (145, 19383), (166, 19422), (275, 19629), (297, 19668), (300, 19671), (427, 19938), (461, 20040), (489, 20115), (495, 20127), (545, 20217), (549, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 50

Candidate Starts for Dulcita_28:

(Start: 50 @21456 has 24 MA's), (119, 21558), (131, 21576), (140, 21591), (179, 21663), (182, 21672), (229, 21750), (295, 21885), (297, 21888), (300, 21891), (339, 21960), (386, 22002), (389, 22008), (470, 22149), (476, 22170), (482, 22182), (549, 22305), (553, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 75

Candidate Starts for DumpsterDude_18:

(Start: 75 @15153 has 17 MA's), (140, 15246), (165, 15288), (186, 15336), (222, 15414), (256, 15504), (267, 15534), (313, 15606), (318, 15615), (320, 15618), (324, 15627), (346, 15669), (396, 15768), (431, 15837), (539, 16110), (565, 16182), (566, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for DuncansLeg_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (182, 16700), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 53

Candidate Starts for Duplo_30:

(Start: 53 @19080 has 300 MA's), (109, 19155), (125, 19173), (219, 19344), (275, 19455), (297, 19494), (300, 19497), (326, 19542), (461, 19860), (489, 19935), (495, 19947), (503, 19971), (545, 20037),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Durfee_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Dusty_45 Start: 28440, Stop: 29321, Start Num: 88

Candidate Starts for Dusty_45:

(Start: 83 @28434 has 24 MA's), (Start: 88 @28440 has 17 MA's), (124, 28488), (140, 28515), (179, 28587), (221, 28683), (283, 28791), (338, 28884), (351, 28908), (356, 28923), (410, 29019), (454, 29067), (532, 29247), (550, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 53

Candidate Starts for DyoEdafos_18:

(Start: 53 @15909 has 300 MA's), (70, 15933), (Start: 85 @15960 has 28 MA's), (Start: 88 @15963 has 17 MA's), (Start: 101 @15978 has 29 MA's), (126, 16011), (179, 16107), (255, 16242), (259, 16251), (297, 16311), (300, 16314), (345, 16392), (372, 16407), (389, 16431), (442, 16500), (452, 16524), (487, 16620), (506, 16668), (518, 16695), (551, 16734), (564, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for ECartman_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 38

Candidate Starts for EMoore_30:

(Start: 38 @28525 has 25 MA's), (144, 28684), (177, 28744), (187, 28774), (209, 28831), (215, 28840), (255, 28912), (275, 28951), (288, 28972), (303, 28990), (350, 29074), (358, 29095), (364, 29110), (444, 29215), (451, 29218), (479, 29290), (486, 29302), (498, 29326), (500, 29332), (505, 29347), (510, 29365), (532, 29398), (549, 29431), (550, 29434), (570, 29500),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 53

Candidate Starts for EZMoney23_31:

(Start: 53 @21135 has 300 MA's), (125, 21228), (145, 21264), (166, 21303), (275, 21510), (297, 21549), (300, 21552), (326, 21597), (354, 21657), (407, 21783), (427, 21816), (495, 22005), (503, 22029),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 53

Candidate Starts for EagleEye_29:

(Start: 53 @19925 has 300 MA's), (68, 19943), (125, 20018), (166, 20093), (197, 20156), (275, 20300), (297, 20339), (300, 20342), (347, 20429), (451, 20681), (456, 20696), (470, 20732), (495, 20798), (502, 20816), (503, 20822),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 53

Candidate Starts for Ebony_27:

(Start: 53 @19779 has 300 MA's), (Start: 88 @19836 has 17 MA's), (140, 19911), (209, 20040), (240, 20100), (268, 20160), (275, 20166), (300, 20208), (326, 20253), (327, 20259), (369, 20343), (379, 20376), (495, 20658), (499, 20667), (503, 20682), (545, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 53

Candidate Starts for Echild_27:

(Start: 53 @19279 has 300 MA's), (109, 19354), (125, 19372), (145, 19408), (166, 19447), (275, 19654), (297, 19693), (300, 19696), (461, 20065), (489, 20140), (495, 20152),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 38

Candidate Starts for EdmundFerry_30:

(Start: 38 @26577 has 25 MA's), (Start: 49 @26589 has 1 MA's), (67, 26616), (97, 26664), (100, 26667), (134, 26718), (177, 26796), (215, 26892), (255, 26964), (331, 27093), (350, 27126), (364, 27162), (484, 27348), (500, 27378), (509, 27405), (532, 27441), (549, 27474), (570, 27543),

Gene: EdogawaKiddo_26 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for EdogawaKiddo_26:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 29

Candidate Starts for Edugator_19:

(Start: 29 @16302 has 26 MA's), (123, 16476), (163, 16542), (178, 16572), (221, 16671), (264, 16773), (297, 16827), (317, 16857), (332, 16893), (334, 16896), (339, 16905), (371, 16980), (372, 16983), (398, 17019), (422, 17061), (438, 17079), (441, 17085), (452, 17109), (453, 17112), (469, 17151), (503, 17253), (555, 17361), (566, 17400), (570, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 26

Candidate Starts for Efra2_22:

(Start: 26 @15227 has 217 MA's), (78, 15344), (140, 15434), (156, 15455), (178, 15503), (297, 15758), (341, 15839), (372, 15914), (382, 15929), (452, 16040), (469, 16082), (495, 16160), (501, 16175), (508, 16199), (555, 16292), (566, 16331), (570, 16349),

Gene: Egi03_32 Start: 25124, Stop: 26056, Start Num: 101

Candidate Starts for Egi03_32:

(Start: 101 @25124 has 29 MA's), (163, 25220), (189, 25289), (191, 25295), (198, 25319), (208, 25334), (322, 25544), (361, 25622), (392, 25667), (401, 25691), (433, 25730), (468, 25826), (481, 25868), (493, 25904), (504, 25934), (519, 25979), (533, 26000), (557, 26051),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 53

Candidate Starts for Eidsmoe_28:

(Start: 53 @20557 has 300 MA's), (68, 20575), (109, 20632), (125, 20650), (145, 20686), (240, 20866), (255, 20902), (275, 20932), (300, 20974), (376, 21133), (440, 21277), (461, 21340), (489, 21415), (495, 21427), (503, 21451),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Ein37_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 26

Candidate Starts for Ekdilam_19:

(Start: 26 @16204 has 217 MA's), (78, 16321), (Start: 93 @16339 has 6 MA's), (114, 16372), (140, 16411), (178, 16480), (221, 16579), (224, 16585), (297, 16735), (332, 16801), (339, 16813), (422, 16969), (441, 16993), (453, 17020), (469, 17059), (470, 17062), (501, 17152), (555, 17269), (566, 17308), (570, 17326),

Gene: EITiger69_23 Start: 17966, Stop: 18979, Start Num: 60

Candidate Starts for EITiger69_23:

(Start: 60 @17966 has 85 MA's), (143, 18095), (145, 18098), (166, 18137), (240, 18272), (252, 18302), (268, 18332), (275, 18338), (285, 18356), (300, 18380), (325, 18422), (396, 18593), (495, 18836), (545, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 53

Candidate Starts for Elephantoon_28:

(Start: 53 @20168 has 300 MA's), (68, 20186), (Start: 81 @20213 has 6 MA's), (109, 20243), (125, 20261), (145, 20297), (240, 20477), (255, 20513), (275, 20543), (300, 20585), (372, 20735), (376, 20744), (413, 20831), (440, 20897), (489, 21035), (495, 21047), (499, 21056), (503, 21071),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 26

Candidate Starts for Ellie_19:

(Start: 26 @16200 has 217 MA's), (78, 16317), (114, 16368), (178, 16476), (222, 16578), (224, 16581), (264, 16677), (297, 16731), (332, 16797), (339, 16809), (469, 17055), (470, 17058), (555, 17265), (566, 17304), (570, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 53

Candidate Starts for Ellson_18:

(Start: 53 @16498 has 300 MA's), (70, 16522), (Start: 101 @16567 has 29 MA's), (109, 16582), (126, 16603), (179, 16699), (182, 16708), (255, 16834), (259, 16843), (297, 16903), (300, 16906), (305, 16912), (345, 16984), (386, 17017), (391, 17029), (442, 17092), (471, 17167), (489, 17218), (506, 17260), (564, 17371), (565, 17374),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 26

Candidate Starts for Emerson_22:

(Start: 26 @16011 has 217 MA's), (78, 16128), (140, 16218), (156, 16239), (165, 16260), (178, 16287), (297, 16542), (341, 16623), (372, 16698), (382, 16713), (452, 16824), (469, 16866), (501, 16959), (508, 16983), (555, 17076), (566, 17115), (570, 17133),

Gene: EmiRose_16 Start: 13050, Stop: 13937, Start Num: 73

Candidate Starts for EmiRose_16:

(Start: 73 @13050 has 1 MA's), (Start: 83 @13068 has 24 MA's), (129, 13137), (178, 13227), (181, 13236), (201, 13269), (210, 13284), (293, 13440), (295, 13443), (300, 13449), (372, 13608), (389, 13638), (400, 13668), (410, 13680), (462, 13794), (465, 13800),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 90

Candidate Starts for Emianna_40:

(Start: 90 @29879 has 25 MA's), (148, 29966), (186, 30041), (213, 30107), (245, 30149), (271, 30206), (388, 30419), (399, 30446), (454, 30557), (501, 30689), (551, 30785),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 53

Candidate Starts for EmyBug_28:

(Start: 53 @20557 has 300 MA's), (68, 20575), (109, 20632), (125, 20650), (145, 20686), (240, 20866), (255, 20902), (275, 20932), (300, 20974), (376, 21133), (440, 21277), (461, 21340), (489, 21415), (495, 21427), (503, 21451),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 53

Candidate Starts for Enceladus_17:

(31, 15805), (32, 15808), (Start: 43 @15841 has 9 MA's), (Start: 53 @15859 has 300 MA's), (70, 15883), (Start: 88 @15913 has 17 MA's), (Start: 101 @15928 has 29 MA's), (126, 15961), (Start: 214 @16105 has 1 MA's), (252, 16186), (297, 16261), (300, 16264), (305, 16270), (328, 16315), (345, 16342), (386, 16375), (389, 16381), (432, 16414), (435, 16423), (442, 16450), (487, 16570), (506, 16618), (518, 16645), (551, 16684), (553, 16690), (564, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 88

Candidate Starts for Engineer_48:

(Start: 83 @28651 has 24 MA's), (Start: 88 @28657 has 17 MA's), (124, 28705), (140, 28732), (179, 28804), (202, 28870), (221, 28900), (283, 29008), (338, 29101), (351, 29125), (356, 29140), (410, 29236), (454, 29284), (532, 29464), (550, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Enkosi_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 90

Candidate Starts for Ennea_46:

(Start: 90 @30548 has 25 MA's), (148, 30626), (186, 30701), (245, 30809), (288, 30893), (385, 31073), (388, 31079), (482, 31295), (501, 31334), (541, 31409), (551, 31430), (558, 31451),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 26

Candidate Starts for Eponine_23:

(Start: 26 @17390 has 217 MA's), (Start: 61 @17480 has 2 MA's), (78, 17510), (140, 17600), (165, 17642), (167, 17645), (172, 17657), (335, 17993), (339, 17999), (371, 18074), (422, 18152), (437, 18167), (452, 18200), (469, 18242), (470, 18245), (502, 18338), (555, 18452), (566, 18491), (570, 18509),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 57

Candidate Starts for Epsocamisio_29:

(Start: 57 @18119 has 20 MA's), (140, 18233), (143, 18239), (145, 18242), (263, 18476), (407, 18743), (437, 18797), (495, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 53

Candidate Starts for Equemioh13_29:

(Start: 53 @19643 has 300 MA's), (109, 19718), (125, 19736), (145, 19772), (166, 19811), (255, 19988), (275, 20018), (297, 20057), (300, 20060), (495, 20516), (503, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 53

Candidate Starts for EricB_30:

(Start: 53 @18959 has 300 MA's), (Start: 88 @19013 has 17 MA's), (125, 19052), (179, 19157), (255, 19304), (275, 19334), (297, 19373), (300, 19376), (326, 19421), (354, 19481), (440, 19679), (495, 19829), (499, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 60

Candidate Starts for Erik_22:

(Start: 60 @15479 has 85 MA's), (Start: 81 @15518 has 6 MA's), (140, 15599), (143, 15605), (178, 15674), (225, 15752), (240, 15785), (252, 15812), (300, 15890), (373, 15986), (461, 16115), (469, 16133), (489, 16190), (495, 16202), (509, 16244), (561, 16340),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Espica_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 50

Candidate Starts for Estes_32:

(Start: 50 @22177 has 24 MA's), (55, 22186), (Start: 88 @22240 has 17 MA's), (114, 22276), (119, 22279), (131, 22297), (140, 22312), (178, 22381), (179, 22384), (297, 22609), (300, 22612), (319, 22642), (386, 22723), (389, 22729), (482, 22903), (487, 22918), (501, 22951), (563, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 53

Candidate Starts for Et2Brutus_26:

(Start: 53 @19739 has 300 MA's), (Start: 88 @19796 has 17 MA's), (140, 19871), (209, 20000), (240, 20060), (268, 20120), (275, 20126), (300, 20168), (326, 20213), (327, 20219), (369, 20303), (379, 20336), (495, 20618), (499, 20627), (503, 20642), (545, 20708),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 101

Candidate Starts for Evamon_30:

(Start: 101 @24920 has 29 MA's), (163, 25025), (189, 25094), (191, 25100), (198, 25124), (208, 25139), (401, 25499), (412, 25514), (421, 25532), (468, 25634), (481, 25676), (493, 25712), (519, 25787), (533, 25808), (557, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Evanesce_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 53

Candidate Starts for EvilGenius_29:

(Start: 53 @19596 has 300 MA's), (109, 19671), (125, 19689), (145, 19725), (166, 19764), (275, 19971), (297, 20010), (300, 20013), (347, 20100), (427, 20280), (461, 20382), (489, 20457), (495, 20469),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 85

Candidate Starts for Ewald_21:

(Start: 85 @17595 has 28 MA's), (Start: 90 @17601 has 25 MA's), (98, 17613), (116, 17637), (118, 17640), (200, 17808), (209, 17823), (218, 17835), (272, 17931), (274, 17934), (280, 17943), (288, 17955), (296, 17970), (365, 18099), (453, 18219), (461, 18240), (470, 18261), (532, 18381),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 60

Candidate Starts for Expelliarmus_22:

(Start: 60 @17601 has 85 MA's), (140, 17724), (143, 17730), (179, 17802), (240, 17907), (251, 17934), (300, 18024), (391, 18225), (404, 18255), (407, 18258), (489, 18468), (505, 18507), (536, 18555), (545, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 53

Candidate Starts for ExplosioNervosa_28:

(Start: 53 @20560 has 300 MA's), (68, 20578), (109, 20635), (125, 20653), (145, 20689), (240, 20869), (255, 20905), (275, 20935), (300, 20977), (376, 21136), (440, 21280), (461, 21343), (489, 21418), (495, 21430), (503, 21454),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 29

Candidate Starts for FF47_20:

(Start: 29 @14818 has 26 MA's), (Start: 34 @14866 has 1 MA's), (117, 14974), (123, 14983), (167, 15052), (179, 15079), (241, 15226), (299, 15334), (339, 15409), (343, 15418), (360, 15454), (398, 15523), (422, 15565), (455, 15619), (477, 15676), (513, 15781), (517, 15787), (564, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 83

Candidate Starts for Fairfaxidum_18:

(Start: 83 @15961 has 24 MA's), (Start: 102 @15976 has 1 MA's), (122, 16006), (136, 16027), (182, 16117), (218, 16198), (338, 16402), (341, 16405), (461, 16600), (501, 16690), (520, 16732), (549, 16780), (551, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Faith1_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 62

Candidate Starts for Faiyaz_23:

(Start: 62 @18613 has 5 MA's), (114, 18679), (163, 18769), (167, 18775), (187, 18823), (204, 18871), (221, 18898), (233, 18925), (234, 18928), (248, 18949), (273, 19000), (305, 19051), (311, 19060), (325, 19087), (367, 19162), (376, 19186), (441, 19276), (452, 19300), (453, 19303), (469, 19339), (486, 19393), (489, 19402), (505, 19444), (506, 19447), (550, 19528), (553, 19537), (566, 19582),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 53

Candidate Starts for Fameo_27:

(Start: 53 @19223 has 300 MA's), (109, 19298), (125, 19316), (145, 19352), (166, 19391), (275, 19598), (297, 19637), (300, 19640), (427, 19907), (461, 20009), (489, 20084), (495, 20096), (545, 20186),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 35

Candidate Starts for Farewell_15:

(Start: 35 @15126 has 4 MA's), (39, 15135), (Start: 56 @15165 has 14 MA's), (Start: 102 @15234 has 1 MA's), (115, 15255), (182, 15375), (186, 15384), (225, 15471), (255, 15537), (300, 15624), (305, 15630), (370, 15714), (386, 15738), (387, 15741), (489, 15939), (495, 15951), (508, 15990), (530, 16017), (536, 16032), (567, 16122),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 53

Candidate Starts for FarmResident_17:

(Start: 53 @15745 has 300 MA's), (70, 15769), (Start: 85 @15796 has 28 MA's), (Start: 88 @15799 has 17 MA's), (Start: 101 @15814 has 29 MA's), (126, 15847), (179, 15943), (255, 16078), (259, 16087), (297, 16147), (300, 16150), (345, 16228), (372, 16243), (389, 16267), (442, 16336), (452, 16360), (458, 16378), (476, 16429), (487, 16456), (506, 16504), (518, 16531), (564, 16615),

Gene: FatCactus_25 Start: 17601, Stop: 18611, Start Num: 53

Candidate Starts for FatCactus_25:

(Start: 53 @17601 has 300 MA's), (109, 17676), (125, 17694), (145, 17730), (166, 17769), (209, 17850), (275, 17976), (297, 18015), (300, 18018), (369, 18153), (427, 18279), (458, 18372), (461, 18381), (470, 18402), (495, 18468), (503, 18492), (520, 18525), (545, 18558),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 53

Candidate Starts for Fayely_28:

(Start: 53 @20560 has 300 MA's), (68, 20578), (109, 20635), (125, 20653), (145, 20689), (240, 20869), (255, 20905), (275, 20935), (300, 20977), (376, 21136), (440, 21280), (461, 21343), (489, 21418), (495, 21430), (503, 21454),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 26

Candidate Starts for Fefferhead_21:

(Start: 26 @16367 has 217 MA's), (78, 16484), (114, 16535), (178, 16643), (222, 16745), (224, 16748), (264, 16844), (297, 16898), (332, 16964), (339, 16976), (469, 17222), (470, 17225), (555, 17432), (566, 17471), (570, 17489),

Gene: FeliMaine_51 Start: 26439, Stop: 27401, Start Num: 53

Candidate Starts for FeliMaine_51:

(Start: 53 @26439 has 300 MA's), (140, 26571), (155, 26595), (161, 26604), (164, 26610), (168, 26619), (179, 26643), (182, 26652), (187, 26664), (191, 26676), (251, 26790), (290, 26871), (300, 26886), (305, 26892), (386, 27000), (461, 27126), (464, 27132), (492, 27207), (528, 27282), (531, 27288), (538, 27300), (540, 27303), (568, 27390), (569, 27393), (571, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 83

Candidate Starts for Fenry_17:

(Start: 83 @15512 has 24 MA's), (182, 15668), (218, 15749), (253, 15806), (274, 15848), (341, 15956), (381, 16040), (419, 16106), (423, 16112), (461, 16151), (501, 16241), (520, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 29

Candidate Starts for Feyre_20:

(Start: 29 @16241 has 26 MA's), (165, 16484), (178, 16511), (221, 16610), (264, 16712), (297, 16766), (317, 16796), (332, 16832), (334, 16835), (339, 16844), (371, 16919), (372, 16922), (398, 16958), (422, 17000), (438, 17018), (441, 17024), (452, 17048), (453, 17051), (455, 17057), (469, 17090), (555, 17300), (566, 17339), (570, 17357),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 53

Candidate Starts for Fibonacci_27:

(Start: 53 @19733 has 300 MA's), (Start: 88 @19790 has 17 MA's), (140, 19865), (209, 19994), (240, 20054), (268, 20114), (275, 20120), (300, 20162), (326, 20207), (327, 20213), (369, 20297), (379, 20330), (495, 20612), (499, 20621), (503, 20636), (545, 20702),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 28

Candidate Starts for Findley_18:

(Start: 28 @13892 has 10 MA's), (30, 13901), (78, 14003), (140, 14093), (165, 14135), (167, 14138), (178, 14162), (221, 14261), (248, 14324), (264, 14363), (297, 14417), (332, 14483), (339, 14495), (362, 14546), (371, 14570), (422, 14648), (438, 14666), (452, 14696), (455, 14705), (469, 14738), (470, 14741), (508, 14855), (550, 14933), (555, 14948), (566, 14987), (570, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 53

Candidate Starts for Finemlucis_17:

(Start: 53 @16080 has 300 MA's), (70, 16104), (Start: 88 @16134 has 17 MA's), (171, 16260), (Start: 214 @16332 has 1 MA's), (295, 16485), (297, 16488), (300, 16491), (319, 16521), (370, 16578), (386, 16602), (389, 16608), (442, 16677), (450, 16695), (457, 16716), (482, 16782), (506, 16845), (564, 16974), (567, 16986),

Gene: Finry_18 Start: 16494, Stop: 17384, Start Num: 53

Candidate Starts for Finry_18:

(Start: 53 @16494 has 300 MA's), (70, 16518), (Start: 101 @16563 has 29 MA's), (109, 16578), (126, 16599), (179, 16695), (255, 16830), (259, 16839), (297, 16899), (300, 16902), (305, 16908), (345, 16980), (386, 17013), (442, 17088), (463, 17142), (471, 17163), (489, 17214), (506, 17256), (564, 17367), (565, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 26

Candidate Starts for Fionnbharth_23:

(Start: 26 @17490 has 217 MA's), (30, 17508), (Start: 61 @17580 has 2 MA's), (78, 17610), (140, 17700), (165, 17742), (177, 17766), (222, 17871), (335, 18093), (339, 18099), (420, 18249), (422, 18252), (438, 18270), (452, 18300), (469, 18342), (470, 18345), (486, 18396), (550, 18537), (555, 18552), (566, 18591), (570, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 101

Candidate Starts for Fireball_31:

(Start: 101 @25055 has 29 MA's), (163, 25151), (189, 25220), (191, 25226), (198, 25250), (208, 25265), (219, 25283), (322, 25475), (361, 25553), (392, 25598), (401, 25622), (433, 25661), (468, 25757), (481, 25799), (493, 25835), (504, 25865), (519, 25910), (533, 25931), (557, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 53

Candidate Starts for FiringLine_27:

(Start: 53 @19105 has 300 MA's), (109, 19180), (125, 19198), (145, 19234), (166, 19273), (275, 19480), (297, 19519), (300, 19522), (427, 19789), (461, 19891), (489, 19966), (495, 19978), (545, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 53

Candidate Starts for First_0027:

(Start: 53 @19219 has 300 MA's), (Start: 88 @19273 has 17 MA's), (125, 19312), (166, 19387), (240, 19528), (275, 19594), (297, 19633), (300, 19636), (407, 19864), (427, 19897), (461, 19999), (470, 20020), (489, 20074), (495, 20086), (545, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 95

Candidate Starts for Fitzgerald_32:

(Start: 95 @29941 has 50 MA's), (191, 30127), (194, 30139), (208, 30166), (221, 30187), (254, 30247), (301, 30337), (322, 30373), (334, 30406), (342, 30421), (349, 30433), (362, 30463), (365, 30469), (401, 30529), (450, 30619), (481, 30709), (489, 30733), (493, 30745), (514, 30811), (524, 30826), (537, 30850), (544, 30862), (557, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 20

Candidate Starts for FlagStaff_17:

(6, 15304), (Start: 20 @15628 has 1 MA's), (Start: 26 @15664 has 217 MA's), (78, 15790), (126, 15850), (140, 15874), (165, 15916), (167, 15919), (207, 16021), (222, 16045), (228, 16060), (231, 16066), (241, 16105), (246, 16111), (325, 16255), (330, 16273), (342, 16294), (345, 16300), (355, 16324), (370, 16360), (452, 16525), (469, 16567), (471, 16573), (541, 16744), (564, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 90

Candidate Starts for Flapper_44:

(Start: 90 @30267 has 25 MA's), (148, 30345), (220, 30498), (296, 30627), (388, 30798), (501, 31053), (541, 31128), (551, 31149),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 53

Candidate Starts for Flare16_27:

(Start: 53 @19201 has 300 MA's), (109, 19276), (125, 19294), (145, 19330), (166, 19369), (255, 19546), (275, 19576), (297, 19615), (300, 19618), (495, 20074), (503, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 95

Candidate Starts for Flatwoods_34:

(Start: 95 @28876 has 50 MA's), (182, 29032), (191, 29062), (194, 29074), (198, 29086), (208, 29101), (216, 29113), (301, 29272), (322, 29308), (349, 29368), (360, 29392), (365, 29404), (401, 29464), (450, 29554), (481, 29644), (489, 29668), (493, 29680), (514, 29746), (524, 29761), (537, 29785), (544, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 53

Candidate Starts for Flaverint_27:

(Start: 53 @19730 has 300 MA's), (Start: 88 @19787 has 17 MA's), (140, 19862), (209, 19991), (240, 20051), (268, 20111), (275, 20117), (300, 20159), (326, 20204), (327, 20210), (369, 20294), (379,

20327), (495, 20609), (499, 20618), (503, 20633), (545, 20699),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 90

Candidate Starts for Float294_42:

(Start: 90 @29990 has 25 MA's), (148, 30068), (186, 30143), (245, 30251), (288, 30335), (385, 30515), (388, 30521), (482, 30737), (501, 30776), (541, 30851), (548, 30863), (551, 30872), (558, 30893),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 60

Candidate Starts for ForGetIt_23:

(Start: 60 @18499 has 85 MA's), (125, 18595), (143, 18628), (145, 18631), (166, 18670), (186, 18718), (275, 18871), (285, 18889), (300, 18913), (325, 18955), (456, 19267), (495, 19369), (505, 19396),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Forge_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 47

Candidate Starts for Forza_100:

(Start: 47 @59008 has 12 MA's), (59, 59023), (63, 59029), (67, 59035), (139, 59152), (141, 59155), (170, 59206), (183, 59242), (252, 59377), (270, 59413), (288, 59443), (452, 59695), (471, 59740), (480, 59770), (485, 59776), (500, 59803), (516, 59842), (553, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 95

Candidate Starts for Fosterous_32:

(Start: 95 @29783 has 50 MA's), (191, 29969), (194, 29981), (208, 30008), (221, 30029), (254, 30089), (298, 30176), (301, 30179), (322, 30215), (334, 30248), (342, 30263), (349, 30275), (362, 30305), (365, 30311), (401, 30371), (450, 30461), (481, 30551), (489, 30575), (493, 30587), (514, 30653), (524, 30668), (537, 30692), (544, 30704), (557, 30734),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 90

Candidate Starts for Foxboro_41:

(Start: 90 @30385 has 25 MA's), (148, 30472), (186, 30547), (213, 30613), (245, 30655), (271, 30712), (388, 30925), (399, 30952), (454, 31063), (501, 31195), (551, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 75

Candidate Starts for Francois_21:

(Start: 75 @16316 has 17 MA's), (110, 16361), (129, 16391), (186, 16499), (249, 16649), (267, 16697), (320, 16781), (324, 16790), (346, 16832), (446, 17042), (459, 17078), (539, 17273), (565, 17345), (566, 17348),

Gene: FreakyGoo_27 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for FreakyGoo_27:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: Frizzle_15 Start: 13493, Stop: 14353, Start Num: 85

Candidate Starts for Frizzle_15:

(Start: 81 @13487 has 6 MA's), (Start: 85 @13493 has 28 MA's), (113, 13520), (116, 13523), (196, 13682), (224, 13727), (225, 13730), (281, 13832), (292, 13850), (353, 13958), (470, 14144), (471, 14147), (500, 14219), (534, 14285), (552, 14321),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 102

Candidate Starts for Frokostdame_18:

(Start: 83 @15759 has 24 MA's), (Start: 102 @15774 has 1 MA's), (164, 15876), (182, 15915), (218, 15996), (264, 16080), (274, 16095), (341, 16203), (381, 16287), (419, 16353), (423, 16359), (461, 16398), (501, 16488), (520, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Frosty24_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: FuegoCuervo_36 Start: 28328, Stop: 29284, Start Num: 95

Candidate Starts for FuegoCuervo_36:

(Start: 95 @28328 has 50 MA's), (191, 28514), (194, 28526), (208, 28553), (221, 28574), (254, 28634), (298, 28721), (301, 28724), (322, 28760), (334, 28793), (342, 28808), (349, 28820), (362, 28850), (365, 28856), (401, 28916), (450, 29006), (481, 29096), (489, 29120), (493, 29132), (514, 29198), (524, 29213), (537, 29237), (544, 29249), (557, 29279),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 101

Candidate Starts for Fugax_32:

(Start: 101 @25634 has 29 MA's), (163, 25739), (189, 25808), (191, 25814), (198, 25838), (208, 25853), (401, 26213), (412, 26228), (421, 26246), (468, 26348), (481, 26390), (493, 26426), (533, 26522), (557, 26573),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 90

Candidate Starts for Fury_49:

(Start: 90 @29757 has 25 MA's), (148, 29838), (186, 29913), (204, 29964), (271, 30078), (385, 30285), (501, 30546), (534, 30609), (551, 30642),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 38

Candidate Starts for GMA2_29:

(Start: 38 @30651 has 25 MA's), (63, 30681), (67, 30687), (74, 30702), (103, 30750), (141, 30807), (180, 30882), (187, 30903), (197, 30942), (252, 31029), (270, 31065), (278, 31077), (282, 31086), (288, 31095), (326, 31152), (453, 31350), (471, 31392), (485, 31428), (500, 31455), (502, 31461), (516, 31494), (532, 31518), (553, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 90

Candidate Starts for GRU1_30:

(Start: 90 @22167 has 25 MA's), (148, 22245), (220, 22398), (288, 22512), (296, 22527), (333, 22590), (388, 22698), (501, 22953), (541, 23028), (551, 23049),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 90

Candidate Starts for GTE5_31:

(Start: 90 @23122 has 25 MA's), (148, 23200), (220, 23353), (296, 23482), (388, 23653), (461, 23809), (501, 23908), (541, 23983), (551, 24004),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 38

Candidate Starts for GTE6_31:

(Start: 38 @27069 has 25 MA's), (Start: 49 @27081 has 1 MA's), (67, 27108), (97, 27156), (134, 27210), (177, 27288), (215, 27384), (230, 27417), (255, 27456), (331, 27585), (350, 27618), (364, 27654), (484, 27840), (500, 27870), (532, 27933), (549, 27966), (570, 28035),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 90

Candidate Starts for GTE8_29:

(Start: 90 @23138 has 25 MA's), (148, 23225), (186, 23300), (245, 23408), (262, 23447), (333, 23570), (388, 23678), (454, 23816), (501, 23948), (551, 24044),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Gabriela_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 95

Candidate Starts for Gaea_33:

(Start: 95 @28524 has 50 MA's), (182, 28680), (191, 28710), (194, 28722), (198, 28734), (208, 28749), (216, 28761), (301, 28920), (322, 28956), (349, 29016), (360, 29040), (365, 29052), (401, 29112), (450, 29202), (469, 29253), (481, 29292), (489, 29316), (493, 29328), (514, 29394), (524, 29409), (534, 29427), (537, 29433), (544, 29445),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 36

Candidate Starts for Gaia_13:

(Start: 36 @13325 has 2 MA's), (37, 13328), (111, 13421), (117, 13427), (145, 13472), (163, 13502), (177, 13529), (178, 13532), (180, 13538), (186, 13553), (187, 13556), (218, 13625), (221, 13631), (248, 13709), (277, 13766), (297, 13802), (332, 13868), (339, 13880), (378, 13982), (379, 13985), (390, 14012), (422, 14075), (469, 14156), (471, 14162), (489, 14219), (501, 14249), (506, 14264), (513, 14288), (517, 14294), (550, 14351), (570, 14423),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 53

Candidate Starts for Gail_26:

(Start: 53 @18165 has 300 MA's), (68, 18183), (Start: 88 @18219 has 17 MA's), (109, 18240), (125, 18258), (184, 18378), (255, 18510), (275, 18540), (297, 18579), (300, 18582), (326, 18627), (396, 18792), (413, 18828), (440, 18894), (495, 19044), (503, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 95

Candidate Starts for Galadriel_34:

(Start: 95 @30272 has 50 MA's), (191, 30458), (194, 30470), (208, 30497), (221, 30518), (254, 30578), (298, 30665), (301, 30668), (322, 30704), (334, 30737), (342, 30752), (349, 30764), (362, 30794), (365, 30800), (401, 30860), (450, 30950), (481, 31040), (489, 31064), (493, 31076), (514, 31142), (537, 31181), (544, 31193), (557, 31223),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 83

Candidate Starts for Gambino_20:

(Start: 83 @16105 has 24 MA's), (Start: 102 @16120 has 1 MA's), (164, 16222), (182, 16261), (218, 16342), (264, 16426), (274, 16441), (341, 16549), (381, 16633), (419, 16699), (423, 16705), (461, 16744), (501, 16834), (520, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 69

Candidate Starts for Gancho_20:

(Start: 69 @16036 has 22 MA's), (74, 16045), (140, 16141), (145, 16150), (152, 16159), (178, 16210), (180, 16216), (221, 16306), (224, 16312), (232, 16330), (256, 16399), (261, 16408), (267, 16429), (271, 16435), (274, 16441), (276, 16444), (320, 16516), (322, 16519), (396, 16675), (431, 16744), (454, 16816), (461, 16834), (480, 16888), (490, 16918), (501, 16945), (502, 16948), (513, 16984), (517, 16990), (525, 17002), (550, 17044), (555, 17059), (556, 17062), (564, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 26

Candidate Starts for Ganymede_23:

(Start: 26 @16031 has 217 MA's), (78, 16148), (140, 16238), (156, 16259), (165, 16280), (178, 16307), (297, 16562), (341, 16643), (372, 16718), (382, 16733), (452, 16844), (469, 16886), (501, 16979), (508, 17003), (555, 17096), (566, 17135), (570, 17153),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 53

Candidate Starts for Garak_31:

(Start: 53 @18964 has 300 MA's), (Start: 88 @19018 has 17 MA's), (125, 19057), (179, 19162), (255, 19309), (275, 19339), (297, 19378), (300, 19381), (347, 19468), (354, 19489), (407, 19615), (440, 19687), (495, 19837), (499, 19846), (545, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 53

Candidate Starts for Gardann_17:

(Start: 53 @16079 has 300 MA's), (70, 16103), (Start: 88 @16133 has 17 MA's), (171, 16259), (Start: 214 @16331 has 1 MA's), (295, 16484), (297, 16487), (300, 16490), (319, 16520), (370, 16577), (386, 16601), (389, 16607), (442, 16676), (450, 16694), (457, 16715), (476, 16769), (482, 16781), (506, 16844), (564, 16973), (567, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 50

Candidate Starts for GardenSalsa_31:

(Start: 50 @22001 has 24 MA's), (55, 22010), (Start: 88 @22064 has 17 MA's), (114, 22100), (119, 22103), (131, 22121), (140, 22136), (178, 22205), (179, 22208), (297, 22433), (300, 22436), (319, 22466), (389, 22553), (461, 22673), (482, 22727), (487, 22742), (501, 22775), (563, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 53

Candidate Starts for Gattaca_48:

(Start: 53 @25618 has 300 MA's), (140, 25750), (155, 25774), (161, 25783), (164, 25789), (168, 25798), (179, 25822), (182, 25831), (187, 25843), (251, 25969), (290, 26050), (300, 26065), (305, 26071), (386, 26179), (461, 26305), (464, 26311), (492, 26386), (528, 26461), (531, 26467), (538, 26479), (540, 26482), (568, 26569), (569, 26572), (571, 26575),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 53

Candidate Starts for GaugeLDP_29:

(Start: 53 @20459 has 300 MA's), (125, 20552), (145, 20588), (166, 20627), (275, 20834), (297, 20873), (300, 20876), (461, 21239), (495, 21326), (503, 21350),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 88

Candidate Starts for Geeche_46:

(Start: 88 @28531 has 17 MA's), (124, 28579), (140, 28606), (179, 28678), (202, 28744), (221, 28774), (283, 28882), (338, 28975), (351, 28999), (356, 29014), (410, 29110), (454, 29158), (532, 29338), (550, 29374),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 50

Candidate Starts for GenevaB15_31:

(Start: 50 @22046 has 24 MA's), (55, 22055), (Start: 88 @22109 has 17 MA's), (114, 22145), (119, 22148), (131, 22166), (140, 22181), (145, 22190), (178, 22250), (179, 22253), (297, 22478), (300,

22481), (319, 22511), (389, 22598), (470, 22739), (487, 22787), (501, 22820), (563, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 29

Candidate Starts for Gengar_20:

(Start: 29 @16348 has 26 MA's), (123, 16522), (163, 16588), (165, 16591), (178, 16618), (221, 16717), (264, 16819), (297, 16873), (317, 16903), (332, 16939), (334, 16942), (339, 16951), (371, 17026), (372, 17029), (398, 17065), (422, 17107), (438, 17125), (441, 17131), (452, 17155), (453, 17158), (455, 17164), (469, 17197), (555, 17407), (566, 17446), (570, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 95

Candidate Starts for Geodirt_31:

(Start: 95 @29258 has 50 MA's), (191, 29444), (194, 29456), (208, 29483), (221, 29504), (254, 29564), (301, 29654), (322, 29690), (334, 29723), (342, 29738), (349, 29750), (362, 29780), (365, 29786), (401, 29846), (450, 29936), (481, 30026), (489, 30050), (493, 30062), (514, 30128), (524, 30143), (537, 30167), (544, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 60

Candidate Starts for George_22:

(Start: 60 @18648 has 85 MA's), (125, 18744), (143, 18777), (145, 18780), (166, 18819), (240, 18954), (268, 19014), (275, 19020), (285, 19038), (300, 19062), (325, 19104), (456, 19416), (495, 19518), (545, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 53

Candidate Starts for Georgie2_28:

(Start: 53 @19096 has 300 MA's), (109, 19171), (125, 19189), (145, 19225), (166, 19264), (275, 19471), (297, 19510), (300, 19513), (427, 19780), (461, 19882), (489, 19957), (495, 19969), (545, 20059),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 26

Candidate Starts for Geraldini_22:

(Start: 26 @16027 has 217 MA's), (78, 16144), (140, 16234), (156, 16255), (165, 16276), (178, 16303), (297, 16558), (341, 16639), (372, 16714), (382, 16729), (452, 16840), (455, 16849), (469, 16882), (501, 16975), (508, 16999), (555, 17092), (566, 17131), (570, 17149),

Gene: Gezellig_31 Start: 25052, Stop: 25996, Start Num: 101

Candidate Starts for Gezellig_31:

(Start: 101 @25052 has 29 MA's), (163, 25157), (189, 25226), (191, 25232), (198, 25256), (208, 25271), (401, 25631), (412, 25646), (421, 25664), (468, 25766), (481, 25808), (493, 25844), (533, 25940), (557, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 85

Candidate Starts for Ghobes_15:

(Start: 81 @13485 has 6 MA's), (Start: 85 @13491 has 28 MA's), (113, 13518), (116, 13521), (224, 13725), (225, 13728), (245, 13755), (281, 13830), (292, 13848), (353, 13956), (470, 14142), (471, 14145), (500, 14217), (534, 14283), (552, 14319), (560, 14343),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 60

Candidate Starts for Ghoulboy_23:

(Start: 60 @18814 has 85 MA's), (125, 18910), (143, 18943), (145, 18946), (166, 18985), (186, 19033), (275, 19186), (285, 19204), (300, 19228), (325, 19270), (456, 19582), (495, 19684), (505, 19711),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Gideon_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 53

Candidate Starts for Gilberta_27:

(Start: 53 @19727 has 300 MA's), (Start: 88 @19784 has 17 MA's), (140, 19859), (209, 19988), (240, 20048), (268, 20108), (275, 20114), (300, 20156), (326, 20201), (327, 20207), (369, 20291), (379, 20324), (495, 20606), (499, 20615), (503, 20630), (545, 20696),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Giles_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 53

Candidate Starts for Gladiator_30:

(Start: 53 @18950 has 300 MA's), (68, 18968), (Start: 88 @19004 has 17 MA's), (125, 19043), (179, 19148), (275, 19325), (297, 19364), (300, 19367), (347, 19454), (354, 19475), (407, 19601), (440, 19673), (495, 19823), (499, 19832), (545, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 50

Candidate Starts for Glaske16_28:

(Start: 50 @21456 has 24 MA's), (119, 21558), (131, 21576), (140, 21591), (179, 21663), (182, 21672), (229, 21750), (295, 21885), (297, 21888), (300, 21891), (339, 21960), (386, 22002), (389, 22008), (470, 22149), (476, 22170), (482, 22182), (549, 22305), (553, 22317),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 35

Candidate Starts for GodonK_88:

(Start: 35 @51377 has 4 MA's), (63, 51416), (128, 51521), (141, 51542), (170, 51593), (172, 51599), (184, 51632), (270, 51800), (288, 51830), (387, 52010), (414, 52064), (453, 52085), (461, 52103), (471, 52127), (479, 52154), (480, 52157), (485, 52163), (500, 52190), (507, 52208), (551, 52292), (553, 52298), (554, 52301),

Gene: Goib_22 Start: 15642, Stop: 16475, Start Num: 93

Candidate Starts for Goib_22:

(Start: 93 @15642 has 6 MA's), (Start: 95 @15645 has 50 MA's), (112, 15660), (137, 15699), (149, 15720), (151, 15723), (219, 15867), (329, 16053), (363, 16122), (443, 16224), (485, 16305), (486, 16308), (524, 16389), (529, 16395), (534, 16407), (535, 16410), (549, 16434),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for GoldenAsh_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Gollum_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (461, 16116), (469, 16134), (495, 16203), (561, 16341),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 26

Candidate Starts for Gomashi_17:

(6, 15145), (Start: 26 @15478 has 217 MA's), (78, 15598), (Start: 93 @15616 has 6 MA's), (123, 15661), (126, 15667), (163, 15730), (180, 15766), (205, 15835), (207, 15838), (221, 15859), (246, 15913), (264, 15958), (284, 15988), (339, 16090), (345, 16102), (352, 16114), (359, 16132), (438, 16297), (452, 16327), (459, 16345), (469, 16369), (509, 16489), (555, 16579), (564, 16612),

Gene: GoongGoong_48 Start: 25658, Stop: 26620, Start Num: 53

Candidate Starts for GoongGoong_48:

(Start: 53 @25658 has 300 MA's), (140, 25790), (155, 25814), (161, 25823), (164, 25829), (168, 25838), (179, 25862), (182, 25871), (187, 25883), (251, 26009), (290, 26090), (300, 26105), (305, 26111), (386, 26219), (461, 26345), (464, 26351), (528, 26501), (531, 26507), (538, 26519), (540, 26522), (568, 26609), (569, 26612), (571, 26615),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 75

Candidate Starts for GrandSlam_21:

(Start: 75 @16827 has 17 MA's), (110, 16872), (129, 16902), (186, 17010), (249, 17160), (267, 17208), (320, 17292), (324, 17301), (346, 17343), (433, 17520), (459, 17589), (517, 17751), (539, 17784), (565, 17856), (566, 17859),

Gene: Gratitude_28 Start: 19643, Stop: 20659, Start Num: 53

Candidate Starts for Gratitude_28:

(Start: 53 @19643 has 300 MA's), (109, 19718), (125, 19736), (145, 19772), (166, 19811), (255, 19988), (275, 20018), (297, 20057), (300, 20060), (495, 20516), (503, 20540),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 69

Candidate Starts for Gravaillia_21:

(Start: 69 @16042 has 22 MA's), (74, 16051), (140, 16147), (145, 16156), (152, 16165), (178, 16216), (180, 16222), (221, 16312), (224, 16318), (232, 16336), (256, 16405), (261, 16414), (267, 16435), (271, 16441), (274, 16447), (276, 16450), (320, 16522), (322, 16525), (396, 16681), (431, 16750), (454, 16822), (461, 16840), (480, 16894), (490, 16924), (501, 16951), (502, 16954), (513, 16990), (517, 16996), (525, 17008), (550, 17050), (555, 17065), (556, 17068), (564, 17098),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 53

Candidate Starts for GreedyLawyer_30:

(Start: 53 @18966 has 300 MA's), (Start: 88 @19020 has 17 MA's), (125, 19059), (179, 19164), (255, 19311), (275, 19341), (297, 19380), (300, 19383), (326, 19428), (354, 19488), (440, 19686), (495, 19836), (499, 19845),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 26

Candidate Starts for Grizzly_17:

(6, 15147), (Start: 26 @15480 has 217 MA's), (78, 15600), (Start: 93 @15618 has 6 MA's), (123, 15663), (126, 15669), (163, 15732), (180, 15768), (205, 15837), (207, 15840), (221, 15861), (246, 15915), (264, 15960), (284, 15990), (339, 16092), (345, 16104), (352, 16116), (438, 16299), (452, 16329), (459, 16347), (469, 16371), (503, 16473), (509, 16491), (555, 16581), (564, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 90

Candidate Starts for GrootJr_42:

(Start: 90 @29261 has 25 MA's), (148, 29348), (186, 29423), (213, 29489), (245, 29531), (271, 29588), (388, 29801), (399, 29828), (454, 29939), (501, 30071), (551, 30167),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 60

Candidate Starts for Groundhog_22:

(Start: 60 @17602 has 85 MA's), (140, 17725), (143, 17731), (179, 17803), (240, 17908), (251, 17935), (300, 18025), (362, 18145), (391, 18226), (404, 18256), (407, 18259), (489, 18469), (505, 18508), (536, 18556), (545, 18571),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 53

Candidate Starts for Gruunaga_30:

(Start: 53 @18950 has 300 MA's), (68, 18968), (Start: 88 @19004 has 17 MA's), (125, 19043), (179, 19148), (275, 19325), (297, 19364), (300, 19367), (347, 19454), (354, 19475), (407, 19601), (440, 19673), (495, 19823), (499, 19832), (545, 19913),

Gene: Gspu1_19 Start: 14904, Stop: 15749, Start Num: 95

Candidate Starts for Gspu1_19:

(Start: 93 @14901 has 6 MA's), (Start: 95 @14904 has 50 MA's), (112, 14928), (132, 14958), (149, 14988), (151, 14991), (154, 14994), (174, 15036), (203, 15111), (206, 15117), (303, 15270), (329, 15321), (358, 15378), (383, 15423), (468, 15543), (469, 15546), (509, 15642), (534, 15681), (535, 15684), (553, 15720),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 81

Candidate Starts for Guacamole_18:

(Start: 81 @15791 has 6 MA's), (Start: 85 @15797 has 28 MA's), (182, 15953), (218, 16034), (274, 16133), (341, 16241), (381, 16325), (423, 16397), (501, 16526), (510, 16553), (520, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 26

Candidate Starts for Guanica15_22:

(Start: 26 @15243 has 217 MA's), (78, 15360), (140, 15450), (156, 15471), (178, 15519), (297, 15774), (341, 15855), (372, 15930), (382, 15945), (452, 16056), (469, 16098), (495, 16176), (501, 16191), (508, 16215), (555, 16308), (566, 16347), (570, 16365),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 29

Candidate Starts for Guillsminger_20:

(Start: 29 @16323 has 26 MA's), (163, 16563), (165, 16566), (178, 16593), (221, 16692), (264, 16794), (297, 16848), (317, 16878), (332, 16914), (334, 16917), (339, 16926), (371, 17001), (372, 17004), (422, 17082), (438, 17100), (441, 17106), (452, 17130), (453, 17133), (455, 17139), (469, 17172), (555, 17382), (566, 17421), (570, 17439),

Gene: Gustav_17 Start: 14305, Stop: 15132, Start Num: 56

Candidate Starts for Gustav_17:

(Start: 56 @14305 has 14 MA's), (Start: 81 @14350 has 6 MA's), (Start: 101 @14374 has 29 MA's), (105, 14383), (138, 14437), (200, 14554), (233, 14605), (234, 14608), (258, 14653), (291, 14701), (300, 14713), (342, 14782), (372, 14797), (442, 14890), (471, 14938), (473, 14953), (478, 14959), (481, 14965), (484, 14974), (489, 14989), (499, 15010), (500, 15013), (513, 15046), (518, 15055),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 95

Candidate Starts for Gustavo_33:

(Start: 95 @28679 has 50 MA's), (177, 28820), (191, 28865), (194, 28877), (198, 28889), (208, 28904), (216, 28916), (228, 28943), (242, 28958), (254, 28985), (301, 29075), (322, 29111), (349, 29171), (365, 29207), (401, 29267), (450, 29357), (481, 29447), (489, 29471), (493, 29483), (514, 29549), (524, 29564), (537, 29588), (544, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 53

Candidate Starts for GuuelaD_17:

(Start: 53 @16108 has 300 MA's), (70, 16132), (Start: 88 @16162 has 17 MA's), (295, 16513), (297, 16516), (300, 16519), (319, 16549), (370, 16606), (386, 16630), (389, 16636), (442, 16705), (450, 16723), (457, 16744), (482, 16810), (505, 16870), (506, 16873), (564, 17002), (567, 17014),

Gene: GuyFagieri_44 Start: 30280, Stop: 31170, Start Num: 121

Candidate Starts for GuyFagieri_44:

(58, 30193), (Start: 87 @30241 has 1 MA's), (Start: 121 @30280 has 2 MA's), (186, 30397), (196, 30436), (207, 30454), (245, 30505), (296, 30604), (340, 30679), (344, 30688), (445, 30892), (454, 30922), (469, 30958), (481, 30997), (501, 31039), (534, 31102), (541, 31114), (551, 31135),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for HH92_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Hadrien_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 53

Candidate Starts for Hafay_17:

(Start: 53 @16107 has 300 MA's), (Start: 88 @16161 has 17 MA's), (171, 16287), (Start: 214 @16359 has 1 MA's), (295, 16512), (297, 16515), (300, 16518), (319, 16548), (370, 16605), (386, 16629), (389, 16635), (442, 16704), (450, 16722), (457, 16743), (476, 16797), (482, 16809), (506, 16872), (564, 17001), (567, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Hail_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 53

Candidate Starts for Halena_17:

(31, 15812), (Start: 43 @15848 has 9 MA's), (Start: 53 @15866 has 300 MA's), (70, 15890), (Start: 88 @15920 has 17 MA's), (Start: 101 @15935 has 29 MA's), (126, 15968), (Start: 214 @16112 has 1 MA's), (297, 16268), (300, 16271), (305, 16277), (328, 16322), (345, 16349), (389, 16388), (432, 16421), (435, 16430), (442, 16457), (487, 16577), (506, 16625), (518, 16652), (551, 16691), (553, 16697), (564, 16736),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 26

Candidate Starts for Halo_17:

(6, 15139), (Start: 26 @15472 has 217 MA's), (78, 15592), (Start: 93 @15610 has 6 MA's), (123, 15655), (126, 15661), (163, 15724), (180, 15760), (205, 15829), (207, 15832), (221, 15853), (246, 15907), (264, 15952), (284, 15982), (339, 16084), (345, 16096), (352, 16108), (359, 16126), (438, 16291), (452, 16321), (459, 16339), (469, 16363), (509, 16483), (555, 16573), (564, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 101

Candidate Starts for Halo3_31:

(Start: 101 @25345 has 29 MA's), (163, 25450), (189, 25519), (191, 25525), (198, 25549), (208, 25564), (401, 25924), (412, 25939), (421, 25957), (468, 26059), (481, 26101), (493, 26137), (533, 26233), (557, 26284),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 53

Candidate Starts for Hammer_30:

(Start: 53 @18965 has 300 MA's), (68, 18983), (Start: 88 @19019 has 17 MA's), (125, 19058), (179, 19163), (275, 19340), (297, 19379), (300, 19382), (347, 19469), (354, 19490), (407, 19616), (440, 19688), (495, 19838), (499, 19847), (545, 19928),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 26

Candidate Starts for Hammy_21:

(Start: 26 @16436 has 217 MA's), (78, 16553), (Start: 93 @16571 has 6 MA's), (114, 16604), (140, 16643), (178, 16712), (221, 16811), (224, 16817), (264, 16913), (297, 16967), (332, 17033), (339, 17045), (422, 17201), (441, 17225), (469, 17291), (470, 17294), (471, 17297), (501, 17384), (555, 17501), (566, 17540), (570, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 75

Candidate Starts for Hamood_21:

(Start: 75 @16827 has 17 MA's), (110, 16872), (129, 16902), (186, 17010), (249, 17160), (267, 17208), (320, 17292), (324, 17301), (346, 17343), (433, 17520), (459, 17589), (517, 17751), (539, 17784), (565, 17856), (566, 17859),

Gene: Hanray_27 Start: 20531, Stop: 21544, Start Num: 53

Candidate Starts for Hanray_27:

(Start: 53 @20531 has 300 MA's), (68, 20549), (109, 20606), (125, 20624), (145, 20660), (240, 20840), (255, 20876), (275, 20906), (300, 20948), (376, 21107), (440, 21251), (461, 21314), (489, 21389), (495, 21401), (503, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 38

Candidate Starts for Hans_34:

(Start: 38 @28153 has 25 MA's), (124, 28276), (144, 28312), (177, 28372), (215, 28468), (275, 28579), (288, 28600), (350, 28702), (364, 28738), (498, 28954), (500, 28960), (505, 28975), (509, 28990), (532, 29026), (549, 29059), (550, 29062), (570, 29128),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 60

Candidate Starts for Harlequin_22:

(Start: 60 @15430 has 85 MA's), (Start: 81 @15469 has 6 MA's), (140, 15550), (143, 15556), (178, 15625), (225, 15703), (238, 15730), (300, 15841), (373, 15937), (461, 16066), (469, 16084), (489, 16141), (495, 16153), (561, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 53

Candidate Starts for HarryHoudini_29:

(Start: 53 @19660 has 300 MA's), (109, 19735), (125, 19753), (145, 19789), (166, 19828), (240, 19969), (275, 20035), (297, 20074), (300, 20077), (495, 20533), (503, 20557),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 26

Candidate Starts for HedwigODU_22:

(Start: 26 @16020 has 217 MA's), (78, 16137), (140, 16227), (156, 16248), (165, 16269), (178, 16296), (297, 16551), (341, 16632), (372, 16707), (382, 16722), (452, 16833), (469, 16875), (501, 16968), (508, 16992), (555, 17085), (566, 17124), (570, 17142),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 53

Candidate Starts for Heffalump_29:

(Start: 53 @21031 has 300 MA's), (109, 21106), (125, 21124), (145, 21160), (166, 21199), (275, 21406), (297, 21445), (300, 21448), (461, 21811), (489, 21886), (495, 21898), (545, 21988),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 29

Candidate Starts for Heftyboy_20:

(Start: 29 @16471 has 26 MA's), (123, 16645), (163, 16711), (165, 16714), (178, 16741), (221, 16840), (264, 16942), (297, 16996), (317, 17026), (332, 17062), (334, 17065), (339, 17074), (371, 17149), (372, 17152), (398, 17188), (422, 17230), (438, 17248), (441, 17254), (452, 17278), (453, 17281), (455, 17287), (469, 17320), (555, 17530), (566, 17569), (570, 17587),

Gene: Heinz_18 Start: 14187, Stop: 15035, Start Num: 56

Candidate Starts for Heinz_18:

(8, 13731), (16, 14007), (Start: 35 @14148 has 4 MA's), (Start: 56 @14187 has 14 MA's), (Start: 101 @14256 has 29 MA's), (123, 14286), (131, 14307), (150, 14340), (172, 14385), (239, 14499), (255, 14532), (258, 14538), (290, 14583), (300, 14598), (391, 14721), (394, 14730), (436, 14769), (451, 14802), (478, 14859), (495, 14901), (499, 14910), (518, 14961), (522, 14967), (549, 15006),

Gene: Helmet_31 Start: 18964, Stop: 19980, Start Num: 53

Candidate Starts for Helmet_31:

(Start: 53 @18964 has 300 MA's), (Start: 88 @19018 has 17 MA's), (125, 19057), (179, 19162), (255, 19309), (275, 19339), (297, 19378), (300, 19381), (347, 19468), (354, 19489), (407, 19615), (440, 19687), (495, 19837), (499, 19846), (545, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 53

Candidate Starts for Herbertwm_24:

(Start: 53 @17773 has 300 MA's), (68, 17791), (109, 17848), (125, 17866), (145, 17902), (166, 17941), (240, 18082), (275, 18148), (300, 18190), (348, 18280), (372, 18343), (413, 18439), (489, 18643), (495, 18655), (503, 18679), (545, 18745), (551, 18754),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 53

Candidate Starts for Hexamo_30:

(Start: 53 @18932 has 300 MA's), (68, 18950), (Start: 88 @18986 has 17 MA's), (125, 19025), (179, 19130), (275, 19307), (297, 19346), (300, 19349), (347, 19436), (354, 19457), (407, 19583), (440, 19655), (495, 19805), (499, 19814), (545, 19895),

Gene: Hibiscus_17 Start: 14141, Stop: 14983, Start Num: 56

Candidate Starts for Hibiscus_17:

(Start: 35 @14102 has 4 MA's), (Start: 56 @14141 has 14 MA's), (Start: 101 @14210 has 29 MA's), (123, 14240), (131, 14261), (150, 14294), (171, 14336), (172, 14339), (300, 14546), (394, 14678), (451, 14750), (478, 14807), (495, 14849), (499, 14858), (518, 14909), (522, 14915), (549, 14954),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 62

Candidate Starts for Hilltopfarm_23:

(Start: 62 @18643 has 5 MA's), (114, 18709), (163, 18799), (167, 18805), (187, 18853), (204, 18901), (221, 18928), (233, 18955), (234, 18958), (248, 18979), (273, 19030), (305, 19081), (311, 19090), (325, 19117), (367, 19192), (376, 19216), (441, 19306), (452, 19330), (453, 19333), (469, 19369), (486, 19423), (489, 19432), (505, 19474), (506, 19477), (550, 19558), (553, 19567), (566, 19612),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 60

Candidate Starts for Hiro_22:

(Start: 60 @15736 has 85 MA's), (Start: 81 @15775 has 6 MA's), (143, 15862), (178, 15931), (225, 16009), (238, 16036), (300, 16147), (373, 16243), (461, 16372), (469, 16390), (495, 16459), (561, 16597),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 85

Candidate Starts for Hitter_18:

(Start: 81 @15787 has 6 MA's), (Start: 85 @15793 has 28 MA's), (182, 15949), (218, 16030), (274, 16129), (341, 16237), (381, 16321), (419, 16387), (461, 16432), (501, 16522), (520, 16564),

Gene: Horex_27 Start: 20531, Stop: 21544, Start Num: 53

Candidate Starts for Horex_27:

(Start: 53 @20531 has 300 MA's), (68, 20549), (109, 20606), (125, 20624), (145, 20660), (240, 20840), (255, 20876), (275, 20906), (300, 20948), (376, 21107), (440, 21251), (461, 21314), (489, 21389), (495, 21401), (503, 21425),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Homura_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 53

Candidate Starts for Hoot_30:

(Start: 53 @18945 has 300 MA's), (Start: 88 @18999 has 17 MA's), (125, 19038), (179, 19143), (255, 19290), (275, 19320), (297, 19359), (300, 19362), (326, 19407), (354, 19467), (440, 19665), (495, 19815), (499, 19824),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Hope_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for HortumSL17_28:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Hotshotbaby7_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: HubbaBubba_38 Start: 25653, Stop: 26573, Start Num: 96

Candidate Starts for HubbaBubba_38:

(Start: 96 @25653 has 8 MA's), (148, 25734), (173, 25779), (196, 25848), (296, 26016), (344, 26100), (367, 26151), (436, 26274), (474, 26382), (482, 26400), (501, 26442), (508, 26463), (549, 26532), (551, 26538), (558, 26559),

Gene: Huffu_23 Start: 15864, Stop: 16697, Start Num: 93

Candidate Starts for Huffu_23:

(Start: 93 @15864 has 6 MA's), (Start: 95 @15867 has 50 MA's), (112, 15882), (137, 15921), (149, 15942), (151, 15945), (219, 16089), (329, 16275), (376, 16362), (443, 16446), (485, 16527), (524, 16611), (529, 16617), (534, 16629), (535, 16632), (549, 16656),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 60

Candidate Starts for HuhtaEnerson15_23:

(Start: 60 @18648 has 85 MA's), (125, 18744), (143, 18777), (145, 18780), (166, 18819), (240, 18954), (268, 19014), (275, 19020), (285, 19038), (300, 19062), (325, 19104), (456, 19416), (495, 19518), (545, 19608),

Gene: Huphlepuuff_51 Start: 26243, Stop: 27205, Start Num: 53

Candidate Starts for Huphlepuuff_51:

(Start: 53 @26243 has 300 MA's), (140, 26375), (155, 26399), (161, 26408), (164, 26414), (168, 26423), (179, 26447), (182, 26456), (187, 26468), (191, 26480), (251, 26594), (290, 26675), (300, 26690), (305, 26696), (386, 26804), (461, 26930), (464, 26936), (492, 27011), (528, 27086), (531, 27092), (538, 27104), (540, 27107), (568, 27194), (569, 27197), (571, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 26

Candidate Starts for Hurricane_21:

(Start: 26 @16451 has 217 MA's), (78, 16574), (123, 16637), (126, 16643), (145, 16673), (165, 16706), (207, 16811), (221, 16832), (248, 16895), (264, 16934), (284, 16964), (332, 17051), (352, 17087), (438, 17234), (452, 17264), (455, 17273), (469, 17306), (470, 17309), (471, 17312), (501, 17399), (542, 17486), (564, 17549), (566, 17555),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 53

Candidate Starts for Hutc2_27:

(Start: 53 @19733 has 300 MA's), (Start: 88 @19790 has 17 MA's), (140, 19865), (209, 19994), (240, 20054), (268, 20114), (275, 20120), (300, 20162), (326, 20207), (327, 20213), (369, 20297), (379, 20330), (495, 20612), (499, 20621), (503, 20636), (545, 20702),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Hyperbowlee_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 96

Candidate Starts for IDyn_41:

(Start: 96 @27049 has 8 MA's), (148, 27130), (173, 27175), (196, 27244), (296, 27412), (344, 27496), (367, 27547), (388, 27580), (436, 27670), (474, 27778), (501, 27838), (549, 27928), (551, 27934), (558, 27955),

Gene: IPhane7_27 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for IPhane7_27:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 47

Candidate Starts for Ibrahim_18:

(Start: 47 @16018 has 12 MA's), (66, 16045), (Start: 75 @16063 has 17 MA's), (184, 16240), (186, 16243), (225, 16318), (255, 16384), (265, 16411), (297, 16468), (305, 16477), (463, 16714), (472, 16738), (508, 16837), (515, 16858), (530, 16879), (550, 16918), (553, 16927),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 26

Candidate Starts for Illumine_22:

(Start: 26 @16034 has 217 MA's), (78, 16151), (156, 16262), (165, 16283), (178, 16310), (222, 16412), (297, 16565), (341, 16646), (365, 16700), (372, 16721), (382, 16736), (452, 16847), (469, 16889), (501, 16982), (508, 17006), (555, 17099), (566, 17138), (570, 17156),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 53

Candidate Starts for Indra_30:

(Start: 53 @18965 has 300 MA's), (Start: 88 @19019 has 17 MA's), (125, 19058), (179, 19163), (255, 19310), (275, 19340), (297, 19379), (300, 19382), (347, 19469), (354, 19490), (407, 19616), (440, 19688), (495, 19838), (499, 19847), (545, 19928),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Inky_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 53

Candidate Starts for Insomnia_27:

(Start: 53 @19788 has 300 MA's), (Start: 88 @19845 has 17 MA's), (140, 19920), (209, 20049), (240, 20109), (268, 20169), (275, 20175), (300, 20217), (326, 20262), (327, 20268), (369, 20352), (379, 20385), (495, 20667), (499, 20676), (503, 20691), (545, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 38

Candidate Starts for Inspectinfecti_33:

(Start: 38 @28515 has 25 MA's), (124, 28638), (144, 28674), (177, 28734), (215, 28830), (275, 28941), (288, 28962), (350, 29064), (364, 29100), (498, 29316), (500, 29322), (505, 29337), (509, 29352), (532, 29388), (549, 29421), (550, 29424), (570, 29490),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 29

Candidate Starts for InvictusManeo_20:

(Start: 29 @16423 has 26 MA's), (123, 16597), (163, 16663), (165, 16666), (178, 16693), (221, 16792), (264, 16894), (297, 16948), (317, 16978), (332, 17014), (334, 17017), (339, 17026), (371, 17101), (372, 17104), (398, 17140), (422, 17182), (438, 17200), (441, 17206), (452, 17230), (453, 17233), (469, 17272), (555, 17482), (566, 17521), (570, 17539),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 53

Candidate Starts for IronMan_29:

(Start: 53 @20734 has 300 MA's), (109, 20809), (125, 20827), (166, 20902), (240, 21043), (252, 21073), (275, 21109), (300, 21151), (348, 21241), (369, 21292), (427, 21418), (456, 21505), (495, 21607), (503, 21631),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 53

Candidate Starts for Isiphiwo_30:

(Start: 53 @18957 has 300 MA's), (Start: 88 @19011 has 17 MA's), (125, 19050), (179, 19155), (255, 19302), (275, 19332), (297, 19371), (300, 19374), (326, 19419), (354, 19479), (440, 19677), (495, 19827), (499, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Itos_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 53

Candidate Starts for Iwokeuplikedis_28:

(Start: 53 @18928 has 300 MA's), (109, 19003), (125, 19021), (166, 19096), (275, 19303), (300, 19345), (326, 19390), (369, 19480), (407, 19573), (461, 19708), (489, 19783), (495, 19795),

Gene: Izel_26 Start: 21456, Stop: 22367, Start Num: 50

Candidate Starts for Izel_26:

(Start: 50 @21456 has 24 MA's), (119, 21558), (131, 21576), (140, 21591), (179, 21663), (182, 21672), (229, 21750), (295, 21885), (297, 21888), (300, 21891), (339, 21960), (386, 22002), (389, 22008), (470, 22149), (476, 22170), (482, 22182), (549, 22305), (553, 22317),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 26

Candidate Starts for JAWS_22:

(Start: 26 @16005 has 217 MA's), (78, 16122), (140, 16212), (156, 16233), (165, 16254), (178, 16281), (297, 16536), (341, 16617), (372, 16692), (382, 16707), (452, 16818), (469, 16860), (501, 16953), (508, 16977), (555, 17070), (566, 17109), (570, 17127),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 26

Candidate Starts for JF1_23:

(Start: 26 @17489 has 217 MA's), (30, 17507), (Start: 61 @17579 has 2 MA's), (78, 17609), (140, 17699), (165, 17741), (177, 17765), (222, 17870), (335, 18092), (339, 18098), (420, 18248), (422, 18251), (438, 18269), (452, 18299), (469, 18341), (470, 18344), (486, 18395), (550, 18536), (555, 18551), (566, 18590), (570, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 95

Candidate Starts for JKSyngboy_31:

(Start: 95 @29254 has 50 MA's), (182, 29410), (191, 29440), (194, 29452), (198, 29464), (208, 29479), (216, 29491), (242, 29533), (298, 29647), (301, 29650), (322, 29686), (349, 29746), (360, 29770), (365, 29782), (401, 29842), (450, 29932), (481, 30022), (489, 30046), (493, 30058), (514, 30124), (524, 30139), (537, 30163), (544, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 57

Candidate Starts for JSwag_29:

(Start: 57 @18105 has 20 MA's), (140, 18219), (143, 18225), (145, 18228), (263, 18462), (407, 18729), (437, 18783), (495, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 53

Candidate Starts for Jaan_30:

(Start: 53 @21123 has 300 MA's), (109, 21198), (125, 21216), (166, 21291), (240, 21432), (252, 21462), (275, 21498), (300, 21540), (348, 21630), (362, 21666), (369, 21681), (427, 21807), (456,

21894), (495, 21996), (503, 22020),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 95

Candidate Starts for Jabberwocky_32:

(Start: 95 @30402 has 50 MA's), (191, 30588), (194, 30600), (208, 30627), (221, 30648), (254, 30708), (298, 30795), (301, 30798), (322, 30834), (334, 30867), (342, 30882), (349, 30894), (362, 30924), (365, 30930), (401, 30990), (450, 31080), (481, 31170), (489, 31194), (493, 31206), (514, 31272), (544, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 60

Candidate Starts for Jabiru_23:

(Start: 60 @18016 has 85 MA's), (125, 18112), (143, 18145), (145, 18148), (166, 18187), (240, 18322), (252, 18352), (268, 18382), (275, 18388), (285, 18406), (300, 18430), (325, 18472), (396, 18643), (495, 18886), (545, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 53

Candidate Starts for Jabith_27:

(Start: 53 @19788 has 300 MA's), (Start: 88 @19845 has 17 MA's), (140, 19920), (209, 20049), (240, 20109), (268, 20169), (275, 20175), (300, 20217), (326, 20262), (327, 20268), (369, 20352), (379, 20385), (495, 20667), (499, 20676), (503, 20691), (545, 20757),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 29

Candidate Starts for JacoRen57_16:

(Start: 29 @14312 has 26 MA's), (Start: 34 @14360 has 1 MA's), (103, 14465), (120, 14489), (123, 14492), (177, 14582), (179, 14588), (228, 14702), (234, 14711), (325, 14891), (339, 14924), (343, 14933), (411, 15062), (416, 15074), (422, 15083), (452, 15128), (455, 15137), (470, 15170), (474, 15191), (479, 15200), (501, 15260), (513, 15299), (517, 15305), (533, 15329), (564, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 83

Candidate Starts for Jalammah_20:

(Start: 83 @16587 has 24 MA's), (182, 16743), (218, 16824), (253, 16881), (257, 16890), (274, 16923), (341, 17031), (381, 17115), (419, 17181), (423, 17187), (501, 17316), (520, 17358),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 101

Candidate Starts for Jambalaya_30:

(Start: 101 @24699 has 29 MA's), (163, 24804), (189, 24873), (191, 24879), (198, 24903), (208, 24918), (401, 25278), (412, 25293), (421, 25311), (468, 25413), (481, 25455), (493, 25491), (533, 25587), (557, 25638),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Jane_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Jarvi_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 85

Candidate Starts for JasperJr_18:

(Start: 81 @15791 has 6 MA's), (Start: 85 @15797 has 28 MA's), (182, 15953), (218, 16034), (274, 16133), (341, 16241), (381, 16325), (423, 16397), (501, 16526), (510, 16553), (520, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 26

Candidate Starts for Jayhawk_22:

(Start: 26 @16018 has 217 MA's), (78, 16135), (140, 16225), (156, 16246), (165, 16267), (178, 16294), (297, 16549), (341, 16630), (372, 16705), (382, 16720), (452, 16831), (469, 16873), (501, 16966), (508, 16990), (555, 17083), (566, 17122), (570, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Jeckyll_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 53

Candidate Starts for Jeeves_26:

(Start: 53 @18193 has 300 MA's), (68, 18211), (Start: 88 @18247 has 17 MA's), (109, 18268), (125, 18286), (184, 18406), (255, 18538), (275, 18568), (297, 18607), (300, 18610), (326, 18655), (413, 18856), (418, 18862), (440, 18922), (495, 19072), (503, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 53

Candidate Starts for Jeffabunny_30:

(Start: 53 @18984 has 300 MA's), (68, 19002), (Start: 88 @19038 has 17 MA's), (125, 19077), (179, 19182), (275, 19359), (297, 19398), (300, 19401), (347, 19488), (354, 19509), (407, 19635), (440, 19707), (495, 19857), (499, 19866), (545, 19947),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 53

Candidate Starts for Jerm_29:

(Start: 53 @19620 has 300 MA's), (109, 19695), (125, 19713), (145, 19749), (166, 19788), (275, 19995), (297, 20034), (300, 20037), (347, 20124), (427, 20304), (461, 20406), (489, 20481), (495, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 60

Candidate Starts for Jester_22:

(Start: 60 @15424 has 85 MA's), (Start: 81 @15463 has 6 MA's), (143, 15550), (178, 15619), (225, 15697), (238, 15724), (300, 15835), (373, 15931), (461, 16060), (469, 16078), (495, 16147), (561, 16285),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 53

Candidate Starts for JewelBug_30:

(Start: 53 @18971 has 300 MA's), (Start: 88 @19025 has 17 MA's), (125, 19064), (179, 19169), (255, 19316), (275, 19346), (297, 19385), (300, 19388), (326, 19433), (354, 19493), (440, 19691), (495, 19841), (499, 19850),

Gene: Jiawan_27 Start: 20563, Stop: 21576, Start Num: 53

Candidate Starts for Jiawan_27:

(Start: 53 @20563 has 300 MA's), (68, 20581), (109, 20638), (125, 20656), (145, 20692), (240, 20872), (255, 20908), (275, 20938), (300, 20980), (376, 21139), (440, 21283), (461, 21346), (489, 21421), (495, 21433), (503, 21457),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 90

Candidate Starts for Jifall16_39:

(Start: 90 @29533 has 25 MA's), (148, 29620), (186, 29695), (213, 29761), (245, 29803), (271, 29860), (388, 30073), (399, 30100), (454, 30211), (501, 30343), (551, 30439),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for Jobypre_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 43

Candidate Starts for JoeDirt_17:

(31, 15803), (32, 15806), (Start: 43 @15839 has 9 MA's), (Start: 53 @15857 has 300 MA's), (70, 15881), (Start: 88 @15911 has 17 MA's), (Start: 101 @15926 has 29 MA's), (126, 15959), (Start: 214 @16103 has 1 MA's), (252, 16184), (297, 16259), (300, 16262), (305, 16268), (328, 16313), (345, 16340), (386, 16373), (389, 16379), (432, 16412), (435, 16421), (442, 16448), (487, 16568), (506, 16616), (518, 16643), (551, 16682), (553, 16688), (564, 16727),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 53

Candidate Starts for JoieB_50:

(Start: 53 @26435 has 300 MA's), (140, 26567), (155, 26591), (161, 26600), (164, 26606), (168, 26615), (179, 26639), (182, 26648), (187, 26660), (251, 26786), (290, 26867), (300, 26882), (305, 26888), (386, 26996), (461, 27122), (464, 27128), (528, 27278), (531, 27284), (538, 27296), (540, 27299), (568, 27386), (569, 27389), (571, 27392),

Gene: Jojo24_17 Start: 14138, Stop: 14980, Start Num: 56

Candidate Starts for Jojo24_17:

(Start: 35 @14099 has 4 MA's), (Start: 56 @14138 has 14 MA's), (Start: 101 @14207 has 29 MA's), (123, 14237), (131, 14258), (150, 14291), (171, 14333), (172, 14336), (300, 14543), (394, 14675), (478, 14804), (495, 14846), (518, 14906), (522, 14912), (549, 14951),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Jolene_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 26

Candidate Starts for Jolie2_17:

(1, 13731), (6, 14433), (Start: 26 @14787 has 217 MA's), (Start: 61 @14886 has 2 MA's), (Start: 93 @14934 has 6 MA's), (123, 14979), (126, 14985), (140, 15009), (180, 15084), (205, 15153), (207, 15156), (222, 15180), (243, 15231), (246, 15237), (264, 15282), (345, 15426), (362, 15465), (370, 15486), (429, 15591), (471, 15699), (503, 15795), (555, 15903), (564, 15936), (566, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 80

Candidate Starts for JonJames_46:

(Start: 80 @32084 has 2 MA's), (140, 32171), (177, 32237), (182, 32252), (184, 32258), (272, 32429), (311, 32486), (338, 32540), (351, 32564), (399, 32663), (410, 32681), (454, 32729), (461, 32747), (471, 32771), (549, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Jonghyun_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for JorRay_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 53

Candidate Starts for Jordennis_30:

(Start: 53 @18956 has 300 MA's), (Start: 88 @19010 has 17 MA's), (125, 19049), (179, 19154), (255, 19301), (275, 19331), (297, 19370), (300, 19373), (326, 19418), (354, 19478), (440, 19676), (495, 19826), (499, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 53

Candidate Starts for Joselito_27:

(Start: 53 @19736 has 300 MA's), (Start: 88 @19793 has 17 MA's), (140, 19868), (209, 19997), (240, 20057), (268, 20117), (275, 20123), (300, 20165), (326, 20210), (327, 20216), (369, 20300), (379, 20333), (495, 20615), (499, 20624), (503, 20639), (545, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 53

Candidate Starts for JoshKayV_29:

(Start: 53 @19590 has 300 MA's), (109, 19665), (125, 19683), (145, 19719), (166, 19758), (275, 19965), (297, 20004), (300, 20007), (347, 20094), (427, 20274), (461, 20376), (489, 20451), (495, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 53

Candidate Starts for Journey13_25:

(Start: 53 @18317 has 300 MA's), (109, 18392), (125, 18410), (145, 18446), (166, 18485), (255, 18662), (275, 18692), (300, 18734), (326, 18779), (369, 18869), (407, 18962), (461, 19097), (495, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 60

Candidate Starts for Jovo_23:

(Start: 60 @18755 has 85 MA's), (125, 18851), (143, 18884), (145, 18887), (166, 18926), (186, 18974), (275, 19127), (285, 19145), (300, 19169), (325, 19211), (456, 19523), (495, 19625), (505, 19652),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 26

Candidate Starts for Joy99_22:

(Start: 26 @15980 has 217 MA's), (78, 16097), (140, 16187), (156, 16208), (165, 16229), (178, 16256), (297, 16511), (341, 16592), (372, 16667), (382, 16682), (452, 16793), (469, 16835), (501, 16928), (508, 16952), (555, 17045), (566, 17084), (570, 17102),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 53

Candidate Starts for Jsquared_26:

(Start: 53 @18082 has 300 MA's), (Start: 88 @18136 has 17 MA's), (109, 18157), (125, 18175), (166, 18250), (275, 18457), (297, 18496), (300, 18499), (326, 18544), (407, 18727), (461, 18862), (495, 18949),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 83

Candidate Starts for JuJu_18:

(Start: 83 @15718 has 24 MA's), (Start: 102 @15733 has 1 MA's), (182, 15874), (218, 15955), (341, 16162), (381, 16246), (419, 16312), (461, 16357), (501, 16447), (510, 16474), (520, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 53

Candidate Starts for Jubie_18:

(Start: 53 @16491 has 300 MA's), (70, 16515), (Start: 101 @16560 has 29 MA's), (109, 16575), (126, 16596), (179, 16692), (255, 16827), (259, 16836), (297, 16896), (300, 16899), (305, 16905), (345, 16977), (386, 17010), (391, 17022), (442, 17085), (463, 17139), (471, 17160), (489, 17211), (506, 17253), (564, 17364), (565, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 26

Candidate Starts for Juliette_23:

(Start: 26 @17390 has 217 MA's), (Start: 61 @17480 has 2 MA's), (78, 17510), (140, 17600), (165, 17642), (167, 17645), (172, 17657), (335, 17993), (339, 17999), (371, 18074), (422, 18152), (437, 18167), (452, 18200), (469, 18242), (470, 18245), (502, 18338), (555, 18452), (566, 18491), (570, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 61

Candidate Starts for JustASigh_17:

(Start: 61 @15253 has 2 MA's), (Start: 69 @15268 has 22 MA's), (92, 15298), (94, 15301), (156, 15397), (177, 15442), (178, 15445), (180, 15451), (186, 15466), (226, 15550), (271, 15670), (309, 15727), (318, 15742), (348, 15805), (384, 15886), (396, 15904), (454, 16045), (505, 16186), (506, 16189), (513, 16213), (539, 16252), (550, 16273), (556, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 91

Candidate Starts for Kabluna_43:

(Start: 91 @28640 has 6 MA's), (148, 28721), (170, 28757), (245, 28904), (367, 29138), (385, 29165), (454, 29309), (501, 29426), (551, 29522), (553, 29528), (558, 29543),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 53

Candidate Starts for Kahlid_17:

(Start: 53 @16079 has 300 MA's), (70, 16103), (Start: 88 @16133 has 17 MA's), (171, 16259), (Start: 214 @16331 has 1 MA's), (295, 16484), (297, 16487), (300, 16490), (319, 16520), (370, 16577), (386, 16601), (389, 16607), (442, 16676), (450, 16694), (457, 16715), (476, 16769), (482, 16781), (506, 16844), (564, 16973), (567, 16985),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 53

Candidate Starts for Kalpine_30:

(Start: 53 @20976 has 300 MA's), (68, 20994), (109, 21051), (125, 21069), (145, 21105), (166, 21144), (275, 21351), (297, 21390), (300, 21393), (326, 21438), (354, 21498), (372, 21543), (407, 21624), (427, 21657), (495, 21846), (499, 21855), (503, 21870),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 95

Candidate Starts for Kamashten_33:

(Start: 95 @29854 has 50 MA's), (191, 30040), (194, 30052), (208, 30079), (221, 30100), (254, 30160), (298, 30247), (301, 30250), (322, 30286), (334, 30319), (342, 30334), (349, 30346), (362, 30376), (365, 30382), (401, 30442), (450, 30532), (481, 30622), (489, 30646), (493, 30658), (514, 30724), (524, 30739), (537, 30763), (544, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 85

Candidate Starts for KappaFarmDelta_18:

(Start: 81 @15955 has 6 MA's), (Start: 85 @15961 has 28 MA's), (136, 16027), (182, 16117), (218, 16198), (341, 16405), (381, 16489), (419, 16555), (423, 16561), (501, 16690), (510, 16717), (520, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Kareem_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 26

Candidate Starts for Kasen3_17:

(6, 15145), (Start: 26 @15478 has 217 MA's), (78, 15598), (Start: 93 @15616 has 6 MA's), (123, 15661), (126, 15667), (163, 15730), (180, 15766), (205, 15835), (207, 15838), (221, 15859), (246, 15913), (264, 15958), (284, 15988), (339, 16090), (345, 16102), (352, 16114), (359, 16132), (438, 16297), (452, 16327), (459, 16345), (469, 16369), (509, 16489), (555, 16579), (564, 16612),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 57

Candidate Starts for KatherineG_29:

(Start: 57 @18241 has 20 MA's), (140, 18355), (143, 18361), (145, 18364), (263, 18598), (407, 18865), (437, 18919), (495, 19075),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 53

Candidate Starts for Kazan_30:

(Start: 53 @18972 has 300 MA's), (Start: 88 @19026 has 17 MA's), (125, 19065), (179, 19170), (255, 19317), (275, 19347), (297, 19386), (300, 19389), (326, 19434), (354, 19494), (440, 19692), (495, 19842), (499, 19851),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 95

Candidate Starts for Keitabear_34:

(Start: 95 @31219 has 50 MA's), (191, 31405), (194, 31417), (208, 31444), (301, 31615), (322, 31651), (334, 31684), (342, 31699), (349, 31711), (362, 31741), (365, 31747), (401, 31807), (450, 31897), (481, 31987), (489, 32011), (493, 32023), (514, 32089), (524, 32104), (544, 32140),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for Kerberos_30:

(Start: 53 @19042 has 300 MA's), (109, 19117), (125, 19135), (219, 19306), (252, 19381), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 26

Candidate Starts for Keshu_21:

(Start: 26 @16443 has 217 MA's), (78, 16566), (123, 16629), (126, 16635), (145, 16665), (165, 16698), (207, 16803), (221, 16824), (224, 16830), (248, 16887), (264, 16926), (284, 16956), (297, 16980), (332, 17043), (352, 17079), (438, 17226), (452, 17256), (455, 17265), (469, 17298), (470, 17301), (471, 17304), (501, 17391), (542, 17478), (564, 17541), (566, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 95

Candidate Starts for Kewpiedoll_33:

(Start: 95 @29261 has 50 MA's), (191, 29447), (194, 29459), (208, 29486), (221, 29507), (254, 29567), (301, 29657), (322, 29693), (334, 29726), (342, 29741), (349, 29753), (362, 29783), (365, 29789),

(401, 29849), (450, 29939), (481, 30029), (489, 30053), (493, 30065), (514, 30131), (524, 30146),
(537, 30170), (544, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 53

Candidate Starts for Keziacharles14_26:

(Start: 53 @18620 has 300 MA's), (Start: 88 @18674 has 17 MA's), (125, 18713), (209, 18869), (240, 18929), (255, 18965), (275, 18995), (293, 19028), (300, 19037), (326, 19082), (372, 19187), (413, 19283), (489, 19487), (495, 19499), (499, 19508), (503, 19523), (545, 19589),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 26

Candidate Starts for KiSi_21:

(Start: 26 @15189 has 217 MA's), (78, 15306), (Start: 93 @15324 has 6 MA's), (156, 15417), (178, 15465), (264, 15666), (297, 15720), (325, 15765), (332, 15786), (359, 15840), (371, 15873), (382, 15891), (422, 15954), (469, 16044), (470, 16047), (486, 16098), (501, 16137), (555, 16254), (566, 16293), (570, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 90

Candidate Starts for KidneyBean_40:

(Start: 90 @29657 has 25 MA's), (148, 29744), (186, 29819), (213, 29885), (245, 29927), (271, 29984), (388, 30197), (399, 30224), (454, 30335), (501, 30467), (551, 30563),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 82

Candidate Starts for Kimchi1738_30:

(Start: 82 @26704 has 8 MA's), (Start: 102 @26728 has 1 MA's), (130, 26773), (163, 26833), (224, 26968), (321, 27130), (336, 27163), (385, 27238), (395, 27262), (461, 27337), (484, 27403), (501, 27439), (510, 27466), (546, 27523),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 101

Candidate Starts for KimmyK_32:

(Start: 101 @25634 has 29 MA's), (163, 25739), (189, 25808), (191, 25814), (198, 25838), (208, 25853), (401, 26213), (412, 26228), (421, 26246), (468, 26348), (481, 26390), (493, 26426), (533, 26522), (557, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Kinbote_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 53

Candidate Starts for KingCyrus_29:

(Start: 53 @19587 has 300 MA's), (109, 19662), (125, 19680), (145, 19716), (166, 19755), (275, 19962), (297, 20001), (300, 20004), (347, 20091), (427, 20271), (461, 20373), (489, 20448), (495, 20460),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for Kingsolomon_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: Kinmap_27 Start: 18591, Stop: 19607, Start Num: 53

Candidate Starts for Kinmap_27:

(Start: 53 @18591 has 300 MA's), (109, 18666), (125, 18684), (145, 18720), (275, 18966), (300, 19008), (347, 19095), (354, 19116), (374, 19167), (396, 19221), (489, 19452), (503, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 53

Candidate Starts for Kipper29_30:

(Start: 53 @18966 has 300 MA's), (Start: 88 @19020 has 17 MA's), (125, 19059), (179, 19164), (255, 19311), (275, 19341), (297, 19380), (300, 19383), (326, 19428), (354, 19488), (440, 19686), (495, 19836), (499, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 53

Candidate Starts for KirDoubleO7_16:

(Start: 53 @16499 has 300 MA's), (70, 16523), (Start: 101 @16568 has 29 MA's), (109, 16583), (126, 16604), (179, 16700), (182, 16709), (255, 16835), (259, 16844), (297, 16904), (300, 16907), (305, 16913), (345, 16985), (386, 17018), (391, 17030), (442, 17093), (471, 17168), (489, 17219), (506, 17261), (564, 17372), (565, 17375),

Gene: KleverKiS_27 Start: 21440, Stop: 22351, Start Num: 50

Candidate Starts for KleverKiS_27:

(Start: 50 @21440 has 24 MA's), (119, 21542), (131, 21560), (140, 21575), (179, 21647), (229, 21734), (295, 21869), (297, 21872), (300, 21875), (339, 21944), (386, 21986), (389, 21992), (470, 22133), (476, 22154), (482, 22166), (549, 22289), (553, 22301),

Gene: Koduck_27 Start: 18322, Stop: 19332, Start Num: 53

Candidate Starts for Koduck_27:

(Start: 53 @18322 has 300 MA's), (Start: 88 @18376 has 17 MA's), (109, 18397), (125, 18415), (166, 18490), (275, 18697), (297, 18736), (300, 18739), (407, 18967), (461, 19102), (489, 19177), (495, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 53

Candidate Starts for Koko_30:

(Start: 53 @19301 has 300 MA's), (68, 19319), (Start: 88 @19355 has 17 MA's), (125, 19394), (145, 19430), (179, 19499), (275, 19676), (297, 19715), (300, 19718), (347, 19805), (354, 19826), (407, 19952), (440, 20024), (495, 20174), (499, 20183), (545, 20264),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 29

Candidate Starts for Kratio_19:

(Start: 29 @16054 has 26 MA's), (123, 16228), (163, 16294), (165, 16297), (178, 16324), (221, 16423), (264, 16525), (297, 16579), (317, 16609), (332, 16645), (334, 16648), (339, 16657), (371, 16732), (372, 16735), (398, 16771), (422, 16813), (438, 16831), (441, 16837), (452, 16861), (453, 16864), (469, 16903), (505, 17008), (555, 17113), (566, 17152), (570, 17170),

Gene: Kraw_24 Start: 17413, Stop: 18546, Start Num: 26

Candidate Starts for Kraw_24:

(Start: 26 @17413 has 217 MA's), (30, 17431), (Start: 61 @17503 has 2 MA's), (78, 17533), (140, 17623), (165, 17665), (177, 17689), (222, 17794), (335, 18016), (339, 18022), (420, 18172), (422, 18175), (438, 18193), (452, 18223), (469, 18265), (470, 18268), (486, 18319), (550, 18460), (555, 18475), (566, 18514), (570, 18532),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 60

Candidate Starts for Krishelle_22:

(Start: 60 @15751 has 85 MA's), (Start: 81 @15790 has 6 MA's), (143, 15877), (178, 15946), (225, 16024), (238, 16051), (300, 16162), (373, 16258), (461, 16387), (469, 16405), (495, 16474), (561, 16612),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 95

Candidate Starts for Kroos_34:

(Start: 95 @29432 has 50 MA's), (182, 29588), (191, 29618), (194, 29630), (198, 29642), (208, 29657), (216, 29669), (301, 29828), (322, 29864), (349, 29924), (365, 29960), (401, 30020), (450, 30110), (481, 30200), (489, 30224), (493, 30236), (514, 30302), (524, 30317), (537, 30341), (544, 30353),

Gene: Kropertea_17 Start: 15715, Stop: 16602, Start Num: 53

Candidate Starts for Kropertea_17:

(Start: 53 @15715 has 300 MA's), (70, 15739), (Start: 85 @15766 has 28 MA's), (Start: 88 @15769 has 17 MA's), (Start: 101 @15784 has 29 MA's), (126, 15817), (179, 15913), (255, 16048), (259, 16057), (297, 16117), (300, 16120), (345, 16198), (372, 16213), (389, 16237), (442, 16306), (452, 16330), (463, 16360), (487, 16426), (506, 16474), (518, 16501), (564, 16585),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 26

Candidate Starts for Krueger_21:

(Start: 26 @15170 has 217 MA's), (78, 15290), (140, 15380), (178, 15449), (264, 15650), (341, 15785), (342, 15788), (382, 15875), (420, 15935), (438, 15956), (452, 15986), (469, 16028), (470, 16031), (471, 16034), (501, 16121), (508, 16145), (550, 16223), (555, 16238), (566, 16277), (570, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 53

Candidate Starts for Krypton555_18:

(Start: 53 @16428 has 300 MA's), (70, 16452), (Start: 101 @16497 has 29 MA's), (109, 16512), (126, 16533), (179, 16629), (255, 16764), (259, 16773), (297, 16833), (300, 16836), (305, 16842), (345, 16914), (386, 16947), (391, 16959), (442, 17022), (463, 17076), (471, 17097), (489, 17148), (506, 17190), (564, 17301), (565, 17304),

Gene: Kudrefre_26 Start: 20872, Stop: 21783, Start Num: 53

Candidate Starts for Kudrefre_26:

(Start: 53 @20872 has 300 MA's), (64, 20887), (238, 21178), (239, 21181), (285, 21280), (295, 21298), (300, 21304), (315, 21328), (386, 21415), (389, 21421), (433, 21469), (460, 21547), (461, 21550), (481, 21601), (502, 21655), (518, 21697), (550, 21733), (551, 21736), (556, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 45

Candidate Starts for Kumao_27:

(Start: 45 @20552 has 1 MA's), (Start: 75 @20600 has 17 MA's), (109, 20651), (140, 20693), (147, 20708), (166, 20735), (179, 20765), (255, 20906), (295, 20987), (297, 20990), (300, 20993), (305, 20999), (386, 21104), (389, 21110), (476, 21272), (489, 21305), (501, 21332), (522, 21380), (553, 21419), (563, 21455),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 90

Candidate Starts for Kurt_40:

(Start: 90 @29894 has 25 MA's), (148, 29981), (186, 30056), (213, 30122), (245, 30164), (271, 30221), (388, 30434), (399, 30461), (454, 30572), (501, 30704), (551, 30800),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 38

Candidate Starts for Kwekel_31:

(Start: 38 @26508 has 25 MA's), (Start: 49 @26520 has 1 MA's), (63, 26541), (67, 26547), (Start: 91 @26586 has 6 MA's), (97, 26595), (124, 26631), (134, 26649), (139, 26658), (177, 26727), (215, 26823), (230, 26856), (331, 27024), (350, 27057), (364, 27093), (405, 27168), (479, 27273), (484,

27279), (500, 27309), (509, 27336), (532, 27372), (549, 27405), (570, 27474),

Gene: Kwobi_34 Start: 29418, Stop: 30374, Start Num: 95

Candidate Starts for Kwobi_34:

(Start: 95 @29418 has 50 MA's), (182, 29574), (191, 29604), (194, 29616), (198, 29628), (208, 29643), (216, 29655), (301, 29814), (322, 29850), (349, 29910), (365, 29946), (401, 30006), (450, 30096), (481, 30186), (489, 30210), (493, 30222), (514, 30288), (524, 30303), (537, 30327), (544, 30339),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 53

Candidate Starts for L5_27:

(Start: 53 @18333 has 300 MA's), (Start: 88 @18387 has 17 MA's), (109, 18408), (125, 18426), (166, 18501), (275, 18708), (297, 18747), (300, 18750), (407, 18978), (461, 19113), (489, 19188), (495, 19200),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 53

Candidate Starts for LadyBird_27:

(Start: 53 @19164 has 300 MA's), (Start: 88 @19218 has 17 MA's), (125, 19257), (166, 19332), (240, 19473), (275, 19539), (297, 19578), (300, 19581), (407, 19809), (461, 19944), (470, 19965), (489, 20019), (495, 20031), (545, 20121),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 53

Candidate Starts for Landor_28:

(Start: 53 @20775 has 300 MA's), (109, 20850), (125, 20868), (166, 20943), (240, 21084), (252, 21114), (275, 21150), (300, 21192), (348, 21282), (362, 21318), (369, 21333), (427, 21459), (456, 21546), (495, 21648), (503, 21672),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 53

Candidate Starts for Larenn_28:

(Start: 53 @19455 has 300 MA's), (109, 19530), (125, 19548), (145, 19584), (166, 19623), (240, 19764), (275, 19830), (297, 19869), (300, 19872), (407, 20106), (470, 20262), (495, 20328), (503, 20352),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 29

Candidate Starts for Larva_20:

(Start: 29 @16169 has 26 MA's), (123, 16343), (163, 16409), (178, 16439), (221, 16538), (264, 16640), (297, 16694), (317, 16724), (332, 16760), (334, 16763), (339, 16772), (371, 16847), (372, 16850), (398, 16886), (422, 16928), (438, 16946), (441, 16952), (452, 16976), (453, 16979), (469, 17018), (503, 17120), (555, 17228), (566, 17267), (570, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 26

Candidate Starts for LastHope_22:

(Start: 26 @15314 has 217 MA's), (78, 15431), (156, 15542), (178, 15590), (222, 15692), (297, 15845), (341, 15926), (382, 16016), (452, 16127), (469, 16169), (501, 16262), (508, 16286), (555, 16379), (566, 16418), (570, 16436),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 57

Candidate Starts for LastResort_29:

(Start: 57 @18122 has 20 MA's), (140, 18236), (143, 18242), (145, 18245), (263, 18479), (407, 18746), (437, 18800), (495, 18956),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 26

Candidate Starts for LaterM_22:

(Start: 26 @15979 has 217 MA's), (78, 16096), (156, 16207), (165, 16228), (178, 16255), (222, 16357), (297, 16510), (341, 16591), (382, 16681), (452, 16792), (469, 16834), (501, 16927), (508, 16951), (555, 17044), (566, 17083), (570, 17101),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 43

Candidate Starts for LeBron_17:

(Start: 43 @15873 has 9 MA's), (Start: 53 @15891 has 300 MA's), (70, 15915), (Start: 88 @15945 has 17 MA's), (Start: 101 @15960 has 29 MA's), (126, 15993), (Start: 214 @16137 has 1 MA's), (252, 16218), (297, 16293), (300, 16296), (305, 16302), (328, 16347), (345, 16374), (386, 16407), (389, 16413), (432, 16446), (435, 16455), (442, 16482), (487, 16602), (506, 16650), (551, 16716), (553, 16722), (564, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 26

Candidate Starts for LeMond_21:

(Start: 26 @15260 has 217 MA's), (78, 15377), (Start: 93 @15395 has 6 MA's), (123, 15440), (156, 15488), (178, 15536), (264, 15737), (297, 15791), (325, 15836), (332, 15857), (359, 15911), (371, 15944), (382, 15962), (422, 16025), (469, 16115), (470, 16118), (486, 16169), (501, 16208), (555, 16325), (566, 16364), (570, 16382),

Gene: Lea83_22 Start: 16440, Stop: 17576, Start Num: 26

Candidate Starts for Lea83_22:

(Start: 26 @16440 has 217 MA's), (78, 16563), (123, 16626), (126, 16632), (145, 16662), (207, 16800), (221, 16821), (224, 16827), (248, 16884), (264, 16923), (284, 16953), (332, 17040), (352, 17076), (438, 17223), (452, 17253), (455, 17262), (469, 17295), (470, 17298), (471, 17301), (501, 17388), (542, 17475), (564, 17538), (566, 17544),

Gene: Lebo14_24 Start: 17506, Stop: 18639, Start Num: 26

Candidate Starts for Lebo14_24:

(Start: 26 @17506 has 217 MA's), (30, 17524), (Start: 61 @17596 has 2 MA's), (78, 17626), (140, 17716), (165, 17758), (177, 17782), (222, 17887), (297, 18040), (335, 18109), (339, 18115), (422, 18268), (438, 18286), (452, 18316), (469, 18358), (470, 18361), (550, 18553), (555, 18568), (566, 18607), (570, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 26

Candidate Starts for Lemuria_17:

(Start: 26 @14821 has 217 MA's), (Start: 93 @14968 has 6 MA's), (123, 15013), (126, 15019), (177, 15109), (205, 15187), (207, 15190), (221, 15211), (222, 15214), (243, 15265), (246, 15271), (264, 15316), (345, 15460), (359, 15490), (371, 15523), (429, 15625), (441, 15661), (452, 15685), (471, 15733), (503, 15829), (548, 15916), (555, 15937), (564, 15970), (566, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 95

Candidate Starts for Lennon_34:

(Start: 95 @31006 has 50 MA's), (191, 31192), (194, 31204), (208, 31231), (221, 31252), (254, 31312), (298, 31399), (301, 31402), (322, 31438), (334, 31471), (342, 31486), (349, 31498), (362, 31528), (365, 31534), (401, 31594), (450, 31684), (481, 31774), (489, 31798), (493, 31810), (514, 31876), (544, 31927), (557, 31957),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 53

Candidate Starts for Leogania_29:

(Start: 53 @21323 has 300 MA's), (109, 21398), (125, 21416), (145, 21452), (166, 21491), (255, 21668), (275, 21698), (297, 21737), (300, 21740), (407, 21968), (461, 22103), (489, 22178), (495, 22190), (545, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 38

Candidate Starts for Leonard_32:

(Start: 38 @28151 has 25 MA's), (124, 28274), (144, 28310), (177, 28370), (215, 28466), (275, 28577), (288, 28598), (350, 28700), (358, 28721), (364, 28736), (397, 28793), (451, 28844), (498, 28952), (500, 28958), (505, 28973), (510, 28991), (532, 29024), (549, 29057), (550, 29060), (570, 29126),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 29

Candidate Starts for Leston_20:

(Start: 29 @16453 has 26 MA's), (163, 16693), (165, 16696), (178, 16723), (221, 16822), (264, 16924), (297, 16978), (317, 17008), (332, 17044), (334, 17047), (339, 17056), (371, 17131), (372, 17134), (422, 17212), (438, 17230), (441, 17236), (452, 17260), (453, 17263), (455, 17269), (469, 17302), (555, 17512), (566, 17551), (570, 17569),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 60

Candidate Starts for Lev2_23:

(Start: 60 @18467 has 85 MA's), (125, 18563), (143, 18596), (145, 18599), (166, 18638), (186, 18686), (275, 18839), (285, 18857), (300, 18881), (325, 18923), (456, 19235), (495, 19337), (505, 19364), (545, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 53

Candidate Starts for Leviathan_29:

(Start: 53 @19676 has 300 MA's), (109, 19751), (125, 19769), (145, 19805), (166, 19844), (275, 20051), (297, 20090), (300, 20093), (347, 20180), (427, 20360), (461, 20462), (489, 20537), (495, 20549),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Lewan_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 26

Candidate Starts for Liefie_17:

(6, 15143), (Start: 26 @15476 has 217 MA's), (78, 15596), (Start: 93 @15614 has 6 MA's), (123, 15659), (126, 15665), (163, 15728), (180, 15764), (205, 15833), (207, 15836), (221, 15857), (246, 15911), (264, 15956), (284, 15986), (339, 16088), (345, 16100), (359, 16130), (438, 16295), (452, 16325), (459, 16343), (469, 16367), (509, 16487), (555, 16577), (564, 16610),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 53

Candidate Starts for LilDestine_17:

(Start: 53 @16073 has 300 MA's), (70, 16097), (Start: 88 @16127 has 17 MA's), (171, 16253), (Start: 214 @16325 has 1 MA's), (295, 16478), (297, 16481), (300, 16484), (319, 16514), (370, 16571), (386, 16595), (389, 16601), (442, 16670), (450, 16688), (457, 16709), (482, 16775), (506, 16838), (564, 16967), (567, 16979),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 95

Candidate Starts for LilHam_31:

(Start: 95 @28021 has 50 MA's), (191, 28207), (194, 28219), (198, 28231), (208, 28246), (216, 28258), (228, 28285), (242, 28300), (254, 28327), (301, 28417), (322, 28453), (349, 28513), (360, 28537), (365, 28549), (401, 28609), (450, 28699), (481, 28789), (489, 28813), (493, 28825), (514, 28891), (524, 28906), (537, 28930), (544, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for LilHazelnut_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for LilPharaoh_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 53

Candidate Starts for LilTurb_29:

(Start: 53 @19679 has 300 MA's), (109, 19754), (125, 19772), (145, 19808), (166, 19847), (275, 20054), (297, 20093), (300, 20096), (347, 20183), (427, 20363), (461, 20465), (489, 20540), (495, 20552),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 34

Candidate Starts for Lilbeanie_29:

(Start: 34 @23420 has 1 MA's), (39, 23426), (67, 23471), (Start: 85 @23504 has 28 MA's), (144, 23594), (202, 23729), (215, 23750), (350, 23984), (364, 24020), (386, 24056), (453, 24143), (474, 24206), (484, 24221), (500, 24251), (541, 24332), (549, 24347), (550, 24350), (570, 24422),

Gene: Lilbit_50 Start: 26439, Stop: 27401, Start Num: 53

Candidate Starts for Lilbit_50:

(Start: 53 @26439 has 300 MA's), (140, 26571), (155, 26595), (161, 26604), (164, 26610), (168, 26619), (179, 26643), (182, 26652), (187, 26664), (191, 26676), (251, 26790), (290, 26871), (300, 26886), (305, 26892), (386, 27000), (461, 27126), (464, 27132), (492, 27207), (528, 27282), (531, 27288), (538, 27300), (540, 27303), (568, 27390), (569, 27393), (571, 27396),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 53

Candidate Starts for Lilbunny_30:

(Start: 53 @18958 has 300 MA's), (68, 18976), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (275, 19333), (297, 19372), (300, 19375), (347, 19462), (354, 19483), (407, 19609), (440, 19681), (495, 19831), (499, 19840), (545, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for LilhomieP_26:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: Lilleskat_26 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for Lilleskat_26:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Lillie_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 26

Candidate Starts for LindNT_22:

(Start: 26 @15985 has 217 MA's), (78, 16102), (140, 16192), (156, 16213), (165, 16234), (178, 16261), (297, 16516), (341, 16597), (372, 16672), (382, 16687), (452, 16798), (469, 16840), (501, 16933), (508, 16957), (555, 17050), (566, 17089), (570, 17107),

Gene: LionsBait_28 Start: 20953, Stop: 21963, Start Num: 53

Candidate Starts for LionsBait_28:

(Start: 53 @20953 has 300 MA's), (Start: 88 @21007 has 17 MA's), (109, 21028), (125, 21046), (166, 21121), (275, 21328), (300, 21370), (369, 21505), (407, 21598), (427, 21631), (461, 21733), (489, 21808), (495, 21820), (545, 21910),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 60

Candidate Starts for LittleCherry_23:

(Start: 60 @18649 has 85 MA's), (125, 18745), (143, 18778), (145, 18781), (240, 18955), (268, 19015), (275, 19021), (285, 19039), (300, 19063), (325, 19105), (456, 19417), (495, 19519), (545, 19609),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 53

Candidate Starts for LittleLaf_49:

(Start: 53 @26168 has 300 MA's), (140, 26300), (155, 26324), (161, 26333), (164, 26339), (168, 26348), (179, 26372), (182, 26381), (187, 26393), (191, 26405), (251, 26519), (290, 26600), (300, 26615), (305, 26621), (386, 26729), (461, 26855), (464, 26861), (492, 26936), (528, 27011), (531, 27017), (538, 27029), (540, 27032), (568, 27119), (569, 27122), (571, 27125),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for LiyuLake_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (182, 16700), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Llorens_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 53

Candidate Starts for Loadrie_17:

(Start: 53 @16106 has 300 MA's), (70, 16130), (Start: 88 @16160 has 17 MA's), (171, 16286), (Start: 214 @16358 has 1 MA's), (295, 16511), (297, 16514), (300, 16517), (319, 16547), (370, 16604), (386, 16628), (389, 16634), (442, 16703), (450, 16721), (457, 16742), (476, 16796), (482, 16808), (506, 16871), (564, 17000), (567, 17012),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 53

Candidate Starts for Lokk_30:

(Start: 53 @20830 has 300 MA's), (125, 20923), (145, 20959), (166, 20998), (275, 21205), (297, 21244), (300, 21247), (326, 21292), (407, 21475), (427, 21508), (461, 21610), (489, 21685), (495, 21697), (545, 21787),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 90

Candidate Starts for Lollipop1437_45:

(Start: 90 @30536 has 25 MA's), (148, 30614), (186, 30689), (245, 30797), (288, 30881), (385, 31061), (388, 31067), (482, 31283), (501, 31322), (541, 31397), (551, 31418), (558, 31439),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 53

Candidate Starts for Lolly9_18:

(Start: 53 @16308 has 300 MA's), (70, 16332), (Start: 101 @16377 has 29 MA's), (109, 16392), (126, 16413), (179, 16509), (255, 16644), (259, 16653), (297, 16713), (300, 16716), (305, 16722), (345, 16794), (386, 16827), (391, 16839), (442, 16902), (461, 16953), (471, 16977), (489, 17028), (506, 17070), (564, 17181), (565, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 52

Candidate Starts for LoneWolf_28:

(Start: 52 @20332 has 1 MA's), (68, 20350), (Start: 81 @20377 has 6 MA's), (109, 20407), (125, 20425), (145, 20461), (172, 20515), (240, 20641), (255, 20677), (275, 20707), (300, 20749), (376, 20908), (407, 20980), (440, 21052), (489, 21190), (495, 21202), (499, 21211), (503, 21226),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 57

Candidate Starts for Looper_30:

(Start: 57 @18119 has 20 MA's), (140, 18233), (143, 18239), (145, 18242), (263, 18476), (407, 18743), (437, 18797), (495, 18953),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 53

Candidate Starts for Loser_30:

(Start: 53 @20932 has 300 MA's), (68, 20950), (109, 21007), (125, 21025), (145, 21061), (166, 21100), (275, 21307), (297, 21346), (300, 21349), (326, 21394), (372, 21499), (407, 21580), (427, 21613), (456, 21700), (495, 21802), (499, 21811),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for LouisV14_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 95

Candidate Starts for Love_37:

(Start: 95 @30788 has 50 MA's), (191, 30974), (194, 30986), (208, 31013), (221, 31034), (254, 31094), (298, 31181), (301, 31184), (322, 31220), (334, 31253), (342, 31268), (349, 31280), (362, 31310), (365, 31316), (401, 31376), (450, 31466), (469, 31517), (481, 31556), (489, 31580), (493, 31592), (514, 31658), (537, 31697), (544, 31709), (557, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 88

Candidate Starts for Lozinak_47:

(Start: 83 @28706 has 24 MA's), (Start: 88 @28712 has 17 MA's), (124, 28760), (140, 28787), (179, 28859), (202, 28925), (221, 28955), (283, 29063), (338, 29156), (351, 29180), (356, 29195), (410, 29291), (454, 29339), (532, 29519), (550, 29555),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 53

Candidate Starts for Luchador_28:

(Start: 53 @19388 has 300 MA's), (68, 19406), (Start: 88 @19442 has 17 MA's), (109, 19463), (125, 19481), (179, 19586), (184, 19601), (255, 19733), (268, 19757), (275, 19763), (297, 19802), (300, 19805), (326, 19850), (369, 19943), (396, 20015), (413, 20051), (418, 20057), (440, 20117), (495, 20267), (503, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 53

Candidate Starts for Lucivia_27:

(Start: 53 @19785 has 300 MA's), (Start: 88 @19842 has 17 MA's), (140, 19917), (209, 20046), (240, 20106), (268, 20166), (275, 20172), (300, 20214), (326, 20259), (327, 20265), (369, 20349), (379, 20382), (495, 20664), (499, 20673), (503, 20688), (545, 20754),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 53

Candidate Starts for Lucyedi_28:

(Start: 53 @19862 has 300 MA's), (68, 19880), (125, 19955), (166, 20030), (197, 20093), (275, 20237), (297, 20276), (300, 20279), (347, 20366), (451, 20618), (456, 20633), (470, 20669), (495, 20735), (502, 20753), (503, 20759),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Luke_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 53

Candidate Starts for Lumos_18:

(Start: 53 @16487 has 300 MA's), (70, 16511), (Start: 101 @16556 has 29 MA's), (109, 16571), (126, 16592), (179, 16688), (255, 16823), (259, 16832), (297, 16892), (300, 16895), (305, 16901), (345, 16973), (386, 17006), (391, 17018), (442, 17081), (463, 17135), (471, 17156), (489, 17207), (506, 17249), (564, 17360), (565, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Luna22_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Lunahalos_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 81

Candidate Starts for Lysidious_19:

(Start: 81 @16311 has 6 MA's), (Start: 85 @16317 has 28 MA's), (182, 16473), (218, 16554), (253, 16611), (257, 16620), (274, 16653), (341, 16761), (381, 16845), (419, 16911), (423, 16917), (501, 17046), (520, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 53

Candidate Starts for MAckerman_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 26

Candidate Starts for MOOREtheMARYer_17:

(Start: 20 @15684 has 1 MA's), (Start: 26 @15720 has 217 MA's), (Start: 93 @15864 has 6 MA's), (126, 15915), (165, 15981), (167, 15984), (180, 16014), (207, 16086), (241, 16155), (246, 16161), (320, 16296), (345, 16350), (370, 16410), (430, 16518), (438, 16545), (452, 16575), (469, 16617), (503, 16719), (539, 16791), (541, 16794), (550, 16812), (564, 16860),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 53

Candidate Starts for MaCh_27:

(Start: 53 @19727 has 300 MA's), (Start: 88 @19784 has 17 MA's), (140, 19859), (209, 19988), (240, 20048), (268, 20108), (275, 20114), (300, 20156), (326, 20201), (327, 20207), (369, 20291), (379, 20324), (495, 20606), (499, 20615), (503, 20630), (545, 20696),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 53

Candidate Starts for Mabel_27:

(Start: 53 @19788 has 300 MA's), (Start: 88 @19845 has 17 MA's), (140, 19920), (209, 20049), (240, 20109), (268, 20169), (275, 20175), (300, 20217), (326, 20262), (327, 20268), (369, 20352), (379, 20385), (495, 20667), (499, 20676), (503, 20691), (545, 20757),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 121

Candidate Starts for MacGully_49:

(58, 30635), (Start: 87 @30683 has 1 MA's), (Start: 121 @30719 has 2 MA's), (124, 30722), (204, 30890), (207, 30896), (276, 31013), (288, 31031), (296, 31046), (340, 31121), (367, 31181), (385, 31220), (388, 31226), (454, 31364), (474, 31424), (487, 31457), (501, 31481), (534, 31544), (551, 31577), (553, 31583),

Gene: MacKat_23 Start: 16028, Stop: 17164, Start Num: 26

Candidate Starts for MacKat_23:

(Start: 26 @16028 has 217 MA's), (78, 16145), (140, 16235), (156, 16256), (165, 16277), (178, 16304), (297, 16559), (341, 16640), (372, 16715), (382, 16730), (452, 16841), (469, 16883), (501, 16976), (508, 17000), (555, 17093), (566, 17132), (570, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 26

Candidate Starts for MacnCheese_22:

(Start: 26 @16685 has 217 MA's), (78, 16808), (123, 16871), (126, 16877), (140, 16898), (145, 16907), (165, 16940), (207, 17045), (221, 17066), (264, 17168), (284, 17198), (297, 17222), (314, 17243), (332, 17285), (352, 17321), (438, 17468), (452, 17498), (455, 17507), (469, 17540), (470, 17543), (471, 17546), (501, 17633), (513, 17672), (542, 17720), (562, 17777), (564, 17783), (566, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 29

Candidate Starts for Maco6_18:

(Start: 29 @14149 has 26 MA's), (Start: 34 @14197 has 1 MA's), (117, 14305), (123, 14314), (167, 14383), (172, 14395), (179, 14410), (241, 14557), (299, 14665), (339, 14740), (343, 14749), (360, 14785), (398, 14854), (422, 14896), (452, 14941), (455, 14950), (477, 15007), (513, 15112), (564, 15223),

Gene: Mahdia_17 Start: 13987, Stop: 14814, Start Num: 56

Candidate Starts for Mahdia_17:

(Start: 56 @13987 has 14 MA's), (Start: 81 @14032 has 6 MA's), (Start: 101 @14056 has 29 MA's), (138, 14119), (200, 14236), (234, 14290), (291, 14383), (300, 14395), (342, 14464), (386, 14497), (442, 14572), (471, 14620), (473, 14635), (481, 14647), (489, 14671), (491, 14674), (499, 14692), (500, 14695), (549, 14782), (554, 14797),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 53

Candidate Starts for MajorMajor_26:

(Start: 53 @18067 has 300 MA's), (Start: 88 @18121 has 17 MA's), (109, 18142), (125, 18160), (166, 18235), (275, 18442), (297, 18481), (300, 18484), (326, 18529), (407, 18712), (427, 18745), (461, 18847), (495, 18934), (545, 19024),

Gene: MakCheese_19 Start: 15000, Stop: 16061, Start Num: 76

Candidate Starts for MakCheese_19:

(71, 14991), (76, 15000), (140, 15093), (165, 15135), (186, 15183), (256, 15351), (265, 15375), (267, 15381), (313, 15453), (318, 15462), (320, 15465), (324, 15474), (396, 15615), (412, 15642), (431, 15684), (449, 15732), (517, 15924), (518, 15927), (539, 15957), (553, 15987), (555, 15993), (565, 16029), (566, 16032),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 85

Candidate Starts for Malachai_19:

(Start: 81 @16265 has 6 MA's), (Start: 85 @16271 has 28 MA's), (182, 16427), (218, 16508), (274, 16607), (341, 16715), (381, 16799), (423, 16871), (501, 17000), (520, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 62

Candidate Starts for MalagasyRose_23:

(Start: 62 @15476 has 5 MA's), (86, 15518), (105, 15542), (126, 15581), (167, 15650), (178, 15674), (180, 15680), (193, 15719), (222, 15776), (234, 15803), (237, 15809), (248, 15830), (250, 15833), (273, 15881), (284, 15899), (297, 15923), (300, 15926), (332, 15989), (339, 16001), (343, 16010), (347, 16016), (359, 16043), (360, 16046), (380, 16091), (409, 16133), (438, 16187), (447, 16205), (479, 16307), (486, 16328), (495, 16352), (541, 16454), (550, 16472), (555, 16487), (565, 16523),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 53

Candidate Starts for Malec_28:

(Start: 53 @19460 has 300 MA's), (109, 19535), (125, 19553), (145, 19589), (166, 19628), (240, 19769), (275, 19835), (297, 19874), (300, 19877), (407, 20111), (470, 20267), (495, 20333), (503, 20357),

Gene: Malibo_19 Start: 15676, Stop: 16518, Start Num: 56

Candidate Starts for Malibo_19:

(Start: 56 @15676 has 14 MA's), (Start: 101 @15745 has 29 MA's), (114, 15766), (135, 15802), (150, 15829), (159, 15841), (178, 15886), (200, 15925), (235, 15979), (258, 16024), (279, 16048), (337, 16153), (370, 16177), (389, 16207), (391, 16213), (436, 16255), (448, 16282), (451, 16288), (499, 16396), (512, 16438), (515, 16444), (522, 16456), (552, 16498),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Maliketh_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 26

Candidate Starts for Malthus_24:

(Start: 26 @17413 has 217 MA's), (30, 17431), (Start: 61 @17503 has 2 MA's), (78, 17533), (140, 17623), (165, 17665), (177, 17689), (222, 17794), (335, 18016), (339, 18022), (420, 18172), (422, 18175), (438, 18193), (452, 18223), (469, 18265), (470, 18268), (486, 18319), (550, 18460), (555, 18475), (566, 18514), (570, 18532),

Gene: Maminiaina_28 Start: 20271, Stop: 21293, Start Num: 53

Candidate Starts for Maminiaina_28:

(Start: 53 @20271 has 300 MA's), (68, 20289), (109, 20346), (125, 20364), (145, 20400), (240, 20580), (255, 20616), (275, 20646), (300, 20688), (376, 20847), (413, 20934), (428, 20961), (495, 21150), (503, 21174),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 28

Candidate Starts for Marcoliusprime_18:

(Start: 28 @13889 has 10 MA's), (30, 13898), (78, 14000), (140, 14090), (165, 14132), (167, 14135), (178, 14159), (221, 14258), (248, 14321), (264, 14360), (297, 14414), (332, 14480), (339, 14492), (362, 14543), (371, 14567), (422, 14645), (438, 14663), (452, 14693), (455, 14702), (469, 14735), (470, 14738), (508, 14852), (550, 14930), (555, 14945), (566, 14984), (570, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 47

Candidate Starts for Mareelih_98:

(Start: 47 @58510 has 12 MA's), (59, 58525), (63, 58531), (67, 58537), (139, 58654), (141, 58657), (170, 58708), (183, 58744), (252, 58879), (270, 58915), (288, 58945), (452, 59197), (471, 59242), (480, 59272), (485, 59278), (500, 59305), (516, 59344), (553, 59413),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 96

Candidate Starts for Marietta_42:

(Start: 96 @26965 has 8 MA's), (148, 27046), (173, 27091), (196, 27160), (271, 27286), (296, 27328), (344, 27412), (367, 27463), (388, 27496), (436, 27586), (474, 27694), (482, 27712), (501, 27754), (549, 27844), (551, 27850), (558, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 26

Candidate Starts for MarkPhew_22:

(Start: 26 @15151 has 217 MA's), (78, 15268), (Start: 93 @15286 has 6 MA's), (140, 15358), (156, 15379), (178, 15427), (222, 15529), (224, 15532), (264, 15628), (325, 15727), (332, 15748), (371, 15835), (382, 15853), (422, 15916), (469, 16006), (470, 16009), (501, 16099), (555, 16216), (562, 16243), (566, 16255), (570, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Marmie_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 26

Candidate Starts for Marshawn_23:

(23, 15754), (Start: 26 @15766 has 217 MA's), (78, 15886), (140, 15976), (178, 16045), (264, 16246), (297, 16300), (332, 16366), (339, 16378), (362, 16429), (441, 16558), (452, 16582), (469, 16624), (470, 16627), (471, 16630), (486, 16678), (501, 16717), (562, 16861), (566, 16873), (570, 16891),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 53

Candidate Starts for Marvin_47:

(Start: 53 @26438 has 300 MA's), (140, 26570), (155, 26594), (161, 26603), (164, 26609), (168, 26618), (179, 26642), (182, 26651), (187, 26663), (251, 26789), (290, 26870), (300, 26885), (305, 26891), (386, 26999), (461, 27125), (464, 27131), (528, 27281), (531, 27287), (538, 27299), (540, 27302), (568, 27389), (569, 27392), (571, 27395),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 60

Candidate Starts for MarysWell_22:

(Start: 60 @18617 has 85 MA's), (125, 18713), (143, 18746), (145, 18749), (166, 18788), (240, 18923), (268, 18983), (275, 18989), (285, 19007), (300, 19031), (325, 19073), (456, 19385), (495, 19487), (505, 19514), (545, 19577),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 88

Candidate Starts for Maselop_44:

(Start: 88 @30439 has 17 MA's), (Start: 121 @30475 has 2 MA's), (186, 30592), (196, 30631), (207, 30649), (245, 30700), (296, 30799), (340, 30874), (344, 30883), (375, 30958), (388, 30979), (454, 31117), (469, 31153), (481, 31192), (501, 31234), (534, 31297), (551, 31330),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 53

Candidate Starts for McFly_30:

(Start: 53 @18966 has 300 MA's), (Start: 88 @19020 has 17 MA's), (125, 19059), (179, 19164), (255, 19311), (275, 19341), (297, 19380), (300, 19383), (326, 19428), (354, 19488), (440, 19686), (495, 19836), (499, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 95

Candidate Starts for McKinley_36:

(Start: 95 @30814 has 50 MA's), (191, 31000), (194, 31012), (208, 31039), (221, 31060), (254, 31120), (298, 31207), (301, 31210), (322, 31246), (334, 31279), (342, 31294), (349, 31306), (362, 31336), (365, 31342), (401, 31402), (450, 31492), (481, 31582), (489, 31606), (493, 31618), (514, 31684), (537, 31723), (544, 31735),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 26

Candidate Starts for McMater_22:

(Start: 26 @15375 has 217 MA's), (78, 15495), (140, 15585), (178, 15654), (221, 15753), (222, 15756), (264, 15855), (297, 15909), (341, 15990), (372, 16065), (382, 16080), (441, 16167), (452, 16191), (469, 16233), (470, 16236), (486, 16287), (501, 16326), (541, 16410), (550, 16428), (555, 16443), (566, 16482), (570, 16500),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 26

Candidate Starts for Mdavu_18:

(Start: 26 @15542 has 217 MA's), (78, 15665), (140, 15755), (178, 15824), (221, 15923), (222, 15926), (264, 16025), (341, 16160), (452, 16361), (469, 16403), (470, 16406), (501, 16496), (508, 16520), (555, 16613), (566, 16652), (570, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 26

Candidate Starts for MeaningOfLife_22:

(Start: 26 @15987 has 217 MA's), (78, 16104), (140, 16194), (156, 16215), (165, 16236), (178, 16263), (297, 16518), (341, 16599), (372, 16674), (382, 16689), (452, 16800), (455, 16809), (469, 16842), (501, 16935), (508, 16959), (555, 17052), (566, 17091), (570, 17109),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 26

Candidate Starts for Megsy_22:

(Start: 26 @15988 has 217 MA's), (78, 16105), (140, 16195), (156, 16216), (165, 16237), (178, 16264), (297, 16519), (341, 16600), (372, 16675), (382, 16690), (452, 16801), (469, 16843), (501, 16936), (505, 16948), (508, 16960), (555, 17053), (566, 17092), (570, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 38

Candidate Starts for MelBins_33:

(Start: 38 @28300 has 25 MA's), (124, 28423), (144, 28459), (177, 28519), (215, 28615), (275, 28726), (288, 28747), (350, 28849), (364, 28885), (451, 28993), (498, 29101), (500, 29107), (505, 29122), (509, 29137), (532, 29173), (549, 29206), (550, 29209), (570, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 81

Candidate Starts for Melba_18:

(Start: 81 @15787 has 6 MA's), (Start: 85 @15793 has 28 MA's), (182, 15949), (218, 16030), (274, 16129), (341, 16237), (381, 16321), (423, 16393), (501, 16522), (510, 16549), (520, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 85

Candidate Starts for Mellie_17:

(Start: 81 @15548 has 6 MA's), (Start: 85 @15554 has 28 MA's), (182, 15710), (218, 15791), (274, 15890), (341, 15998), (381, 16082), (419, 16148), (461, 16193), (501, 16283), (520, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 47

Candidate Starts for Mendokysei_17:

(Start: 47 @15828 has 12 MA's), (66, 15855), (Start: 75 @15873 has 17 MA's), (186, 16053), (225, 16128), (265, 16221), (297, 16278), (305, 16287), (370, 16371), (472, 16548), (475, 16563), (489, 16596), (508, 16647), (530, 16689), (550, 16728), (553, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 90

Candidate Starts for MerCougar_41:

(Start: 90 @29816 has 25 MA's), (148, 29903), (170, 29939), (186, 29978), (385, 30347), (454, 30491), (501, 30608), (551, 30704), (553, 30710), (558, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 26

Candidate Starts for Mercurio_18:

(Start: 26 @15481 has 217 MA's), (Start: 93 @15628 has 6 MA's), (123, 15673), (126, 15679), (177, 15769), (205, 15847), (207, 15850), (221, 15871), (222, 15874), (243, 15925), (246, 15931), (264, 15976), (345, 16120), (359, 16150), (371, 16183), (429, 16285), (441, 16321), (452, 16345), (471, 16393), (503, 16489), (541, 16564), (555, 16597), (564, 16630), (566, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 85

Candidate Starts for Meyran_20:

(Start: 85 @18053 has 28 MA's), (Start: 90 @18059 has 25 MA's), (116, 18095), (118, 18098), (200, 18266), (209, 18281), (218, 18293), (272, 18389), (274, 18392), (280, 18401), (288, 18413), (296, 18428), (365, 18557), (453, 18677), (461, 18698), (470, 18719), (483, 18749), (532, 18839),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 60

Candidate Starts for Micasa_23:

(Start: 60 @18623 has 85 MA's), (125, 18719), (143, 18752), (145, 18755), (166, 18794), (240, 18929), (268, 18989), (275, 18995), (285, 19013), (300, 19037), (325, 19079), (456, 19391), (495, 19493), (545, 19583),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 53

Candidate Starts for MiculUcigas_27:

(Start: 53 @19200 has 300 MA's), (109, 19275), (125, 19293), (145, 19329), (166, 19368), (255, 19545), (275, 19575), (297, 19614), (300, 19617), (495, 20073), (503, 20097),

Gene: MicyPS_16 Start: 16526, Stop: 17407, Start Num: 49

Candidate Starts for MicyPS_16:

(Start: 49 @16526 has 1 MA's), (103, 16607), (179, 16739), (223, 16817), (227, 16829), (240, 16853), (285, 16934), (286, 16937), (305, 16964), (334, 17012), (345, 17033), (372, 17051), (389, 17075), (391, 17081), (458, 17168), (469, 17195), (513, 17315), (551, 17363), (553, 17369),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 60

Candidate Starts for Midas2_23:

(Start: 60 @18617 has 85 MA's), (125, 18713), (143, 18746), (145, 18749), (166, 18788), (240, 18923), (268, 18983), (275, 18989), (285, 19007), (300, 19031), (325, 19073), (456, 19385), (495, 19487), (505, 19514), (545, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 53

Candidate Starts for Miko_30:

(Start: 53 @20800 has 300 MA's), (125, 20893), (145, 20929), (166, 20968), (275, 21175), (297, 21214), (300, 21217), (326, 21262), (407, 21445), (427, 21478), (461, 21580), (489, 21655), (495, 21667), (545, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 60

Candidate Starts for Milcery_23:

(Start: 60 @18653 has 85 MA's), (125, 18749), (143, 18782), (145, 18785), (166, 18824), (240, 18959), (268, 19019), (275, 19025), (285, 19043), (300, 19067), (325, 19109), (456, 19421), (495, 19523), (545, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Miley16_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 28

Candidate Starts for Milly_18:

(Start: 28 @13889 has 10 MA's), (30, 13898), (78, 14000), (140, 14090), (165, 14132), (167, 14135), (178, 14159), (221, 14258), (248, 14321), (264, 14360), (297, 14414), (332, 14480), (339, 14492), (362, 14543), (371, 14567), (422, 14645), (438, 14663), (452, 14693), (455, 14702), (469, 14735), (470, 14738), (508, 14852), (550, 14930), (555, 14945), (566, 14984), (570, 15002),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 57

Candidate Starts for MinecraftSteve_30:

(Start: 57 @18241 has 20 MA's), (140, 18355), (143, 18361), (145, 18364), (263, 18598), (407, 18865), (437, 18919), (495, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 53

Candidate Starts for MiniLon_18:

(Start: 53 @16308 has 300 MA's), (70, 16332), (Start: 101 @16377 has 29 MA's), (109, 16392), (126, 16413), (179, 16509), (255, 16644), (259, 16653), (297, 16713), (300, 16716), (305, 16722), (345, 16794), (386, 16827), (391, 16839), (442, 16902), (461, 16953), (471, 16977), (489, 17028), (506, 17070), (564, 17181), (565, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 53

Candidate Starts for MiniMac_18:

(Start: 53 @16309 has 300 MA's), (70, 16333), (Start: 101 @16378 has 29 MA's), (109, 16393), (126, 16414), (179, 16510), (255, 16645), (259, 16654), (297, 16714), (300, 16717), (305, 16723), (345, 16795), (386, 16828), (391, 16840), (442, 16903), (461, 16954), (471, 16978), (489, 17029), (506, 17071), (564, 17182), (565, 17185),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 85

Candidate Starts for MintFen_18:

(Start: 81 @15787 has 6 MA's), (Start: 85 @15793 has 28 MA's), (182, 15949), (218, 16030), (274, 16129), (341, 16237), (381, 16321), (423, 16393), (501, 16522), (510, 16549), (520, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 29

Candidate Starts for Miryou_20:

(Start: 29 @16308 has 26 MA's), (165, 16551), (178, 16578), (221, 16677), (264, 16779), (297, 16833), (317, 16863), (332, 16899), (334, 16902), (339, 16911), (371, 16986), (372, 16989), (398, 17025), (422, 17067), (438, 17085), (441, 17091), (452, 17115), (453, 17118), (455, 17124), (469, 17157), (555, 17367), (566, 17406), (570, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 88

Candidate Starts for Miskis_45:

(Start: 83 @28469 has 24 MA's), (Start: 88 @28475 has 17 MA's), (124, 28523), (140, 28550), (179, 28622), (202, 28688), (221, 28718), (283, 28826), (338, 28919), (351, 28943), (356, 28958), (410, 29054), (454, 29102), (532, 29282), (550, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 26

Candidate Starts for MissDaisy_23:

(Start: 26 @17255 has 217 MA's), (30, 17273), (Start: 61 @17345 has 2 MA's), (78, 17375), (140, 17465), (145, 17474), (165, 17507), (177, 17531), (222, 17636), (297, 17789), (335, 17858), (339, 17864), (422, 18017), (438, 18035), (452, 18065), (469, 18107), (470, 18110), (550, 18302), (555, 18317), (566, 18356), (570, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 83

Candidate Starts for MissRona_20:

(Start: 83 @16105 has 24 MA's), (Start: 102 @16120 has 1 MA's), (164, 16222), (182, 16261), (218, 16342), (264, 16426), (274, 16441), (341, 16549), (381, 16633), (419, 16699), (423, 16705), (461, 16744), (501, 16834), (520, 16876),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 53

Candidate Starts for MissWhite_27:

(Start: 53 @18271 has 300 MA's), (125, 18364), (145, 18400), (166, 18439), (255, 18616), (275, 18646), (300, 18688), (326, 18733), (369, 18823), (407, 18916), (495, 19138),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 26

Candidate Starts for Mitti_23:

(Start: 26 @17413 has 217 MA's), (30, 17431), (Start: 61 @17503 has 2 MA's), (78, 17533), (140, 17623), (165, 17665), (177, 17689), (222, 17794), (297, 17947), (335, 18016), (339, 18022), (422, 18175), (438, 18193), (452, 18223), (469, 18265), (470, 18268), (550, 18460), (555, 18475), (566, 18514), (570, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for MkaliMitinis3_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 50

Candidate Starts for ModicumRichard_18:

(7, 15190), (Start: 50 @15643 has 24 MA's), (68, 15670), (Start: 85 @15703 has 28 MA's), (157, 15805), (169, 15832), (179, 15856), (240, 15958), (255, 15991), (266, 16021), (295, 16057), (300, 16063), (306, 16072), (369, 16150), (386, 16180), (389, 16186), (394, 16201), (456, 16306), (482, 16372), (522, 16471), (547, 16498), (551, 16504), (561, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 83

Candidate Starts for Mollymur_30:

(41, 27171), (Start: 83 @27246 has 24 MA's), (103, 27267), (158, 27345), (179, 27393), (182, 27402), (221, 27489), (296, 27618), (338, 27690), (342, 27696), (410, 27825), (481, 27948), (488, 27969), (501, 27996),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 95

Candidate Starts for MoontowerMania_33:

(Start: 95 @29628 has 50 MA's), (191, 29814), (194, 29826), (195, 29829), (208, 29853), (221, 29874), (254, 29934), (298, 30021), (301, 30024), (322, 30060), (334, 30093), (342, 30108), (349, 30120), (362, 30150), (365, 30156), (401, 30216), (450, 30306), (481, 30396), (489, 30420), (493, 30432), (514, 30498), (537, 30537), (544, 30549), (557, 30579),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 53

Candidate Starts for Moostard_18:

(Start: 53 @16493 has 300 MA's), (70, 16517), (Start: 101 @16562 has 29 MA's), (109, 16577), (126, 16598), (179, 16694), (255, 16829), (259, 16838), (297, 16898), (300, 16901), (305, 16907), (345, 16979), (386, 17012), (442, 17087), (463, 17141), (471, 17162), (489, 17213), (506, 17255), (564, 17366), (565, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 50

Candidate Starts for Morgana_18:

(7, 15180), (Start: 50 @15633 has 24 MA's), (68, 15660), (Start: 85 @15693 has 28 MA's), (157, 15795), (169, 15822), (240, 15948), (255, 15981), (266, 16011), (295, 16047), (300, 16053), (306, 16062), (369, 16140), (389, 16176), (394, 16191), (482, 16365), (522, 16464), (547, 16491), (551, 16497),

Gene: Morrissey_18 Start: 15201, Stop: 16028, Start Num: 56

Candidate Starts for Morrissey_18:

(Start: 56 @15201 has 14 MA's), (Start: 81 @15246 has 6 MA's), (Start: 101 @15270 has 29 MA's), (135, 15327), (138, 15333), (150, 15354), (168, 15390), (175, 15405), (233, 15501), (234, 15504), (291, 15597), (300, 15609), (342, 15678), (442, 15786), (471, 15834), (473, 15849), (481, 15861), (489, 15885), (500, 15909), (513, 15942), (518, 15951), (546, 15990), (549, 15996),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 53

Candidate Starts for MosMoris_47:

(Start: 53 @25618 has 300 MA's), (140, 25750), (155, 25774), (161, 25783), (164, 25789), (168, 25798), (179, 25822), (182, 25831), (187, 25843), (251, 25969), (290, 26050), (300, 26065), (305, 26071), (386, 26179), (461, 26305), (464, 26311), (492, 26386), (528, 26461), (531, 26467), (538, 26479), (540, 26482), (568, 26569), (569, 26572), (571, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Mowgli_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 50

Candidate Starts for MrMagoo_31:

(Start: 50 @22001 has 24 MA's), (55, 22010), (Start: 88 @22064 has 17 MA's), (114, 22100), (119, 22103), (131, 22121), (140, 22136), (178, 22205), (179, 22208), (297, 22433), (300, 22436), (319, 22466), (389, 22553), (461, 22673), (482, 22727), (487, 22742), (501, 22775), (563, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for MsGreen_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 29

Candidate Starts for Muddy_20:

(Start: 29 @15099 has 26 MA's), (Start: 34 @15147 has 1 MA's), (117, 15255), (123, 15264), (167, 15333), (179, 15360), (241, 15507), (299, 15615), (339, 15690), (343, 15699), (360, 15735), (398, 15804), (422, 15846), (452, 15891), (455, 15900), (477, 15957), (513, 16062), (564, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 28

Candidate Starts for Mufasa_18:

(Start: 28 @13909 has 10 MA's), (30, 13918), (78, 14020), (140, 14110), (165, 14152), (178, 14179), (218, 14272), (221, 14278), (248, 14341), (264, 14380), (297, 14434), (339, 14512), (362, 14563), (371, 14587), (422, 14665), (438, 14683), (452, 14713), (469, 14755), (470, 14758), (508, 14872), (550, 14950), (555, 14965), (566, 15004), (570, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 75

Candidate Starts for Mulch_21:

(Start: 75 @16293 has 17 MA's), (110, 16338), (129, 16368), (186, 16476), (249, 16626), (267, 16674), (320, 16758), (324, 16767), (346, 16809), (433, 16986), (446, 17019), (459, 17055), (539, 17250), (565, 17322), (566, 17325),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 53

Candidate Starts for Mulciber_27:

(Start: 53 @19730 has 300 MA's), (Start: 88 @19787 has 17 MA's), (140, 19862), (209, 19991), (240, 20051), (268, 20111), (275, 20117), (300, 20159), (326, 20204), (327, 20210), (369, 20294), (379, 20327), (495, 20609), (499, 20618), (503, 20633), (545, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 53

Candidate Starts for Munch_27:

(Start: 53 @19736 has 300 MA's), (Start: 88 @19793 has 17 MA's), (140, 19868), (209, 19997), (240, 20057), (268, 20117), (275, 20123), (300, 20165), (326, 20210), (327, 20216), (369, 20300), (379, 20333), (495, 20615), (499, 20624), (503, 20639), (545, 20705),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 83

Candidate Starts for Murp_18:

(Start: 83 @15861 has 24 MA's), (182, 16017), (218, 16098), (274, 16197), (341, 16305), (381, 16389), (419, 16455), (423, 16461), (501, 16590), (520, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 26

Candidate Starts for Murucutumbu_22:

(Start: 26 @15969 has 217 MA's), (78, 16086), (156, 16197), (165, 16218), (178, 16245), (222, 16347), (297, 16500), (341, 16581), (382, 16671), (452, 16782), (469, 16824), (501, 16917), (508, 16941), (555, 17034), (566, 17073), (570, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 101

Candidate Starts for Mutzi_32:

(Start: 101 @25361 has 29 MA's), (163, 25457), (189, 25526), (191, 25532), (194, 25544), (195, 25547), (198, 25556), (208, 25571), (301, 25745), (320, 25778), (322, 25781), (401, 25928), (468, 26063), (479, 26099), (493, 26141), (519, 26216), (533, 26237), (557, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 26

Candidate Starts for Mynx_22:

(Start: 26 @16034 has 217 MA's), (78, 16151), (140, 16241), (156, 16262), (165, 16283), (178, 16310), (297, 16565), (341, 16646), (372, 16721), (382, 16736), (452, 16847), (469, 16889), (501, 16982), (508, 17006), (555, 17099), (566, 17138), (570, 17156),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for Myxus_28:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 53

Candidate Starts for NaSiaTalie_27:

(Start: 53 @19198 has 300 MA's), (109, 19273), (125, 19291), (145, 19327), (166, 19366), (255, 19543), (275, 19573), (297, 19612), (300, 19615), (495, 20071), (503, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 60

Candidate Starts for Naca_23:

(Start: 60 @18502 has 85 MA's), (125, 18598), (143, 18631), (145, 18634), (166, 18673), (240, 18808), (252, 18838), (268, 18868), (275, 18874), (285, 18892), (300, 18916), (325, 18958), (495, 19372), (545, 19462),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 75

Candidate Starts for Nadeem_21:

(Start: 75 @16293 has 17 MA's), (110, 16338), (129, 16368), (186, 16476), (249, 16626), (267, 16674), (320, 16758), (324, 16767), (346, 16809), (433, 16986), (446, 17019), (459, 17055), (539, 17250), (565, 17322), (566, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 96

Candidate Starts for NadineRae_40:

(Start: 96 @26218 has 8 MA's), (148, 26299), (173, 26344), (196, 26413), (271, 26539), (296, 26581), (344, 26665), (367, 26716), (388, 26749), (474, 26947), (482, 26965), (501, 27007), (551, 27103), (558, 27124),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Naiad_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 47

Candidate Starts for Nairb_18:

(Start: 47 @16018 has 12 MA's), (66, 16045), (Start: 75 @16063 has 17 MA's), (184, 16240), (186, 16243), (225, 16318), (255, 16384), (265, 16411), (297, 16468), (305, 16477), (463, 16714), (472, 16738), (508, 16837), (515, 16858), (530, 16879), (550, 16918), (553, 16927),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for Naji_30:

(Start: 53 @19042 has 300 MA's), (Start: 88 @19096 has 17 MA's), (109, 19117), (125, 19135), (219, 19306), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Nancinator_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 75

Candidate Starts for NancyRae_21:

(Start: 75 @16299 has 17 MA's), (110, 16344), (129, 16374), (186, 16482), (249, 16632), (267, 16680), (320, 16764), (324, 16773), (346, 16815), (433, 16992), (446, 17025), (459, 17061), (539, 17256), (565, 17328), (566, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 50

Candidate Starts for Nanosmite_31:

(Start: 50 @21873 has 24 MA's), (119, 21975), (131, 21993), (140, 22008), (178, 22077), (182, 22089), (229, 22167), (252, 22215), (297, 22305), (300, 22308), (339, 22377), (386, 22419), (450, 22512), (456, 22530), (470, 22566), (482, 22599), (501, 22647), (549, 22722), (553, 22734),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 90

Candidate Starts for NatB6_40:

(Start: 90 @28930 has 25 MA's), (148, 29017), (186, 29092), (213, 29158), (245, 29200), (271, 29257), (388, 29470), (399, 29497), (454, 29608), (501, 29740), (551, 29836),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 38

Candidate Starts for Natkenzie_34:

(Start: 38 @29777 has 25 MA's), (89, 29852), (97, 29864), (124, 29900), (144, 29936), (190, 30038), (215, 30092), (255, 30164), (289, 30227), (294, 30236), (331, 30293), (350, 30326), (363, 30359), (364, 30362), (397, 30419), (471, 30515), (484, 30548), (487, 30557), (500, 30578), (509, 30605), (521, 30626), (529, 30635), (532, 30641), (549, 30674), (550, 30677), (566, 30731), (570, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Natosaleda_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 60

Candidate Starts for NearlyHeadless_23:

(Start: 60 @17651 has 85 MA's), (140, 17774), (143, 17780), (179, 17852), (240, 17957), (251, 17984), (300, 18074), (391, 18275), (404, 18305), (407, 18308), (489, 18518), (505, 18557), (536, 18605), (545, 18620),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 36

Candidate Starts for Nebkiss_14:

(Start: 36 @13326 has 2 MA's), (37, 13329), (111, 13422), (117, 13428), (145, 13473), (163, 13503), (177, 13530), (178, 13533), (180, 13539), (186, 13554), (187, 13557), (218, 13626), (221, 13632), (248, 13710), (277, 13767), (297, 13803), (332, 13869), (339, 13881), (378, 13983), (379, 13986), (390, 14013), (422, 14076), (469, 14157), (471, 14163), (489, 14220), (501, 14250), (506, 14265), (513, 14289), (517, 14295), (550, 14352), (570, 14424),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 57

Candidate Starts for Nebulosus_29:

(Start: 57 @18119 has 20 MA's), (140, 18233), (143, 18239), (145, 18242), (263, 18476), (407, 18743), (437, 18797), (495, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 56

Candidate Starts for Nedarya_28:

(Start: 56 @18765 has 14 MA's), (143, 18885), (178, 18954), (179, 18957), (209, 19008), (263, 19122), (415, 19401), (495, 19599), (499, 19608), (545, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 53

Candidate Starts for Neeharika16_30:

(Start: 53 @18959 has 300 MA's), (Start: 88 @19013 has 17 MA's), (125, 19052), (179, 19157), (255, 19304), (275, 19334), (297, 19373), (300, 19376), (326, 19421), (354, 19481), (440, 19679), (495, 19829), (499, 19838),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 29

Candidate Starts for Neighly_20:

(Start: 29 @16168 has 26 MA's), (123, 16342), (163, 16408), (178, 16438), (221, 16537), (264, 16639), (297, 16693), (317, 16723), (332, 16759), (334, 16762), (339, 16771), (371, 16846), (372, 16849), (398, 16885), (422, 16927), (438, 16945), (441, 16951), (452, 16975), (453, 16978), (469, 17017), (503, 17119), (555, 17227), (566, 17266), (570, 17284),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 42

Candidate Starts for Nergal_21:

(Start: 42 @15940 has 1 MA's), (Start: 53 @15961 has 300 MA's), (145, 16105), (163, 16135), (172, 16153), (178, 16165), (193, 16210), (222, 16267), (248, 16312), (332, 16471), (339, 16483), (347, 16498), (359, 16525), (380, 16573), (409, 16615), (425, 16645), (441, 16678), (447, 16690), (469, 16747), (480, 16783), (495, 16825), (508, 16864), (533, 16912), (541, 16927), (550, 16945), (564, 16993), (565, 16996),

Gene: Nette_18 Start: 15837, Stop: 16802, Start Num: 47

Candidate Starts for Nette_18:

(Start: 47 @15837 has 12 MA's), (66, 15864), (Start: 75 @15882 has 17 MA's), (186, 16062), (225, 16137), (265, 16230), (297, 16287), (305, 16296), (370, 16380), (472, 16557), (475, 16572), (489, 16605), (508, 16656), (530, 16698), (550, 16737), (553, 16746),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Netyap_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 53

Candidate Starts for Neville_27:

(Start: 44 @22377 has 4 MA's), (Start: 53 @22392 has 300 MA's), (Start: 88 @22449 has 17 MA's), (109, 22479), (162, 22557), (179, 22593), (224, 22668), (239, 22701), (255, 22737), (295, 22818), (297, 22821), (315, 22848), (319, 22854), (334, 22881), (389, 22941), (391, 22947), (461, 23070), (463, 23073), (471, 23094), (482, 23124), (485, 23133), (501, 23172), (502, 23175), (518, 23217), (536, 23232), (540, 23238), (551, 23256), (556, 23271),

Gene: Newwrala_30 Start: 18959, Stop: 19972, Start Num: 53

Candidate Starts for Newwrala_30:

(Start: 53 @18959 has 300 MA's), (Start: 88 @19013 has 17 MA's), (125, 19052), (179, 19157), (255, 19304), (275, 19334), (297, 19373), (300, 19376), (326, 19421), (354, 19481), (440, 19679), (495, 19829), (499, 19838),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 26

Candidate Starts for Nibb_21:

(Start: 26 @15295 has 217 MA's), (78, 15412), (Start: 93 @15430 has 6 MA's), (140, 15502), (156, 15523), (178, 15571), (264, 15772), (325, 15871), (332, 15892), (371, 15979), (422, 16060), (469, 16150), (470, 16153), (501, 16243), (555, 16360), (562, 16387), (566, 16399), (570, 16417),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for Nicholas_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 53

Candidate Starts for Nicholasp3_17:

(Start: 53 @16079 has 300 MA's), (70, 16103), (Start: 88 @16133 has 17 MA's), (171, 16259), (Start: 214 @16331 has 1 MA's), (295, 16484), (297, 16487), (300, 16490), (319, 16520), (370, 16577), (386, 16601), (389, 16607), (442, 16676), (450, 16694), (457, 16715), (476, 16769), (482, 16781), (506, 16844), (564, 16973), (567, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 53

Candidate Starts for NicoleTera_31:

(Start: 53 @21002 has 300 MA's), (68, 21020), (125, 21095), (145, 21131), (166, 21170), (275, 21377), (297, 21416), (300, 21419), (326, 21464), (354, 21524), (427, 21683), (495, 21872),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Nikao_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 26

Candidate Starts for Niklas_22:

(Start: 26 @15378 has 217 MA's), (78, 15498), (140, 15588), (178, 15657), (221, 15756), (222, 15759), (264, 15858), (297, 15912), (341, 15993), (372, 16068), (382, 16083), (441, 16170), (452, 16194), (469, 16236), (470, 16239), (486, 16290), (501, 16329), (541, 16413), (550, 16431), (555, 16446), (566, 16485), (570, 16503),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 29

Candidate Starts for NoShow_17:

(Start: 29 @14354 has 26 MA's), (Start: 34 @14402 has 1 MA's), (103, 14507), (120, 14531), (177, 14624), (234, 14753), (299, 14888), (332, 14954), (339, 14966), (343, 14975), (371, 15041), (409, 15101), (411, 15104), (422, 15125), (440, 15146), (452, 15170), (455, 15179), (470, 15212), (474, 15233), (533, 15371), (556, 15422), (564, 15452), (566, 15458),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 95

Candidate Starts for Nordenberg_28:

(Start: 95 @28984 has 50 MA's), (191, 29170), (194, 29182), (208, 29209), (221, 29230), (254, 29290), (301, 29380), (322, 29416), (334, 29449), (342, 29464), (349, 29476), (362, 29506), (365, 29512), (401, 29572), (450, 29662), (481, 29752), (489, 29776), (493, 29788), (514, 29854), (537, 29893), (544, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 83

Candidate Starts for Norvs_48:

(Start: 83 @28708 has 24 MA's), (Start: 88 @28714 has 17 MA's), (124, 28762), (140, 28789), (179, 28861), (202, 28927), (221, 28957), (283, 29065), (338, 29158), (351, 29182), (356, 29197), (410, 29293), (454, 29341), (532, 29521), (550, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 91

Candidate Starts for NosilaM_43:

(Start: 91 @29537 has 6 MA's), (148, 29618), (170, 29654), (245, 29801), (367, 30035), (385, 30062), (454, 30206), (461, 30224), (501, 30323), (551, 30419), (553, 30425), (558, 30440),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 53

Candidate Starts for NothingSpecial_29:

(Start: 53 @21202 has 300 MA's), (125, 21295), (145, 21331), (166, 21370), (275, 21577), (297, 21616), (300, 21619), (326, 21664), (461, 21982), (489, 22057), (495, 22069), (503, 22093), (545, 22159),

Gene: November_21 Start: 16335, Stop: 17471, Start Num: 26

Candidate Starts for November_21:

(Start: 26 @16335 has 217 MA's), (78, 16452), (Start: 93 @16470 has 6 MA's), (114, 16503), (140, 16542), (178, 16611), (224, 16716), (264, 16812), (297, 16866), (332, 16932), (339, 16944), (422, 17100), (441, 17124), (469, 17190), (470, 17193), (471, 17196), (501, 17283), (555, 17400), (570, 17457),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 90

Candidate Starts for NovumRegina_40:

(Start: 90 @29260 has 25 MA's), (148, 29347), (186, 29422), (213, 29488), (245, 29530), (271, 29587), (388, 29800), (399, 29827), (454, 29938), (501, 30070), (551, 30166),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 101

Candidate Starts for Nubi_30:

(Start: 101 @24922 has 29 MA's), (163, 25027), (189, 25096), (191, 25102), (198, 25126), (208, 25141), (401, 25501), (412, 25516), (421, 25534), (468, 25636), (481, 25678), (493, 25714), (533, 25810), (557, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Nutello_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 83

Candidate Starts for Nyceirae_22:

(Start: 83 @17929 has 24 MA's), (Start: 102 @17938 has 1 MA's), (116, 17959), (118, 17962), (186, 18085), (209, 18145), (218, 18157), (272, 18253), (274, 18256), (296, 18292), (365, 18421), (453, 18541), (461, 18562), (483, 18613), (501, 18649), (532, 18703),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 69

Candidate Starts for OBUpride_21:

(Start: 69 @16309 has 22 MA's), (74, 16318), (140, 16414), (145, 16423), (152, 16432), (178, 16483), (180, 16489), (224, 16585), (232, 16603), (256, 16672), (261, 16681), (267, 16702), (271, 16708), (274, 16714), (276, 16717), (320, 16789), (322, 16792), (396, 16948), (426, 16999), (431, 17017), (454, 17089), (461, 17107), (490, 17191), (501, 17218), (502, 17221), (513, 17257), (525, 17275), (550, 17317), (555, 17332), (556, 17335), (564, 17365), (566, 17371),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 50

Candidate Starts for ObLaDi_18:

(Start: 50 @15622 has 24 MA's), (68, 15649), (Start: 85 @15682 has 28 MA's), (157, 15784), (169, 15811), (179, 15835), (255, 15970), (266, 16000), (295, 16036), (300, 16042), (306, 16051), (369, 16129), (386, 16159), (389, 16165), (394, 16180), (456, 16285), (482, 16351), (522, 16450), (547, 16477), (551, 16483), (561, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 85

Candidate Starts for Obliviate_17:

(Start: 81 @15577 has 6 MA's), (Start: 85 @15583 has 28 MA's), (182, 15739), (218, 15820), (274, 15919), (341, 16027), (381, 16111), (419, 16177), (461, 16222), (501, 16312), (520, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for OctaviousRex_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 53

Candidate Starts for Octobien14_27:

(Start: 53 @21830 has 300 MA's), (64, 21845), (162, 21995), (179, 22031), (239, 22139), (285, 22238), (295, 22256), (300, 22262), (315, 22286), (389, 22379), (460, 22505), (463, 22511), (471, 22532), (481, 22559), (502, 22613), (518, 22655), (550, 22691), (556, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 53

Candidate Starts for Odin_26:

(Start: 53 @17954 has 300 MA's), (109, 18029), (125, 18047), (145, 18083), (275, 18329), (297, 18368), (300, 18371), (326, 18416), (369, 18506), (427, 18632), (461, 18734), (495, 18821), (503, 18845), (545, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 53

Candidate Starts for OhShagHennessy_17:

(31, 15776), (32, 15779), (Start: 43 @15812 has 9 MA's), (Start: 53 @15830 has 300 MA's), (70, 15854), (Start: 88 @15884 has 17 MA's), (Start: 101 @15899 has 29 MA's), (126, 15932), (Start: 214 @16076 has 1 MA's), (252, 16157), (297, 16232), (300, 16235), (305, 16241), (328, 16286), (345, 16313), (386, 16346), (389, 16352), (432, 16385), (435, 16394), (442, 16421), (487, 16541), (506, 16589), (518, 16616), (551, 16655), (553, 16661), (564, 16700),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 29

Candidate Starts for OkiRoe_20:

(Start: 29 @16324 has 26 MA's), (163, 16564), (165, 16567), (178, 16594), (221, 16693), (264, 16795), (297, 16849), (317, 16879), (332, 16915), (334, 16918), (339, 16927), (371, 17002), (372, 17005), (398, 17041), (422, 17083), (438, 17101), (441, 17107), (452, 17131), (453, 17134), (455, 17140), (469, 17173), (555, 17383), (566, 17422), (570, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Olga_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 26

Candidate Starts for OmniCritical_23:

(Start: 26 @17398 has 217 MA's), (30, 17416), (Start: 61 @17488 has 2 MA's), (78, 17518), (140, 17608), (165, 17650), (177, 17674), (222, 17779), (297, 17932), (335, 18001), (339, 18007), (422, 18160), (438, 18178), (452, 18208), (469, 18250), (470, 18253), (550, 18445), (555, 18460), (566, 18499), (570, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 29

Candidate Starts for Omnicron_20:

(Start: 29 @15090 has 26 MA's), (Start: 93 @15219 has 6 MA's), (123, 15264), (163, 15330), (165, 15333), (178, 15360), (192, 15402), (221, 15459), (264, 15561), (297, 15615), (317, 15645), (332, 15681), (339, 15693), (362, 15744), (371, 15768), (396, 15801), (422, 15849), (441, 15873), (452, 15897), (453, 15900), (469, 15939), (555, 16149), (566, 16188), (570, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 85

Candidate Starts for OneUp_41:

(17, 25920), (18, 25944), (19, 25953), (Start: 85 @26148 has 28 MA's), (124, 26196), (179, 26295), (184, 26310), (247, 26427), (311, 26538), (338, 26592), (351, 26616), (356, 26631), (408, 26724), (410, 26727), (417, 26742), (454, 26775), (520, 26940), (549, 26988), (550, 26991),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 53

Candidate Starts for Onglai_27:

(Start: 53 @18861 has 300 MA's), (68, 18879), (109, 18936), (125, 18954), (145, 18990), (240, 19170), (255, 19206), (275, 19236), (300, 19278), (376, 19437), (440, 19581), (461, 19644), (489, 19719), (495, 19731), (503, 19755),

Gene: Oofda_30 Start: 18093, Stop: 19070, Start Num: 57

Candidate Starts for Oofda_30:

(Start: 57 @18093 has 20 MA's), (140, 18207), (143, 18213), (145, 18216), (263, 18450), (407, 18717), (437, 18771), (495, 18927),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 53

Candidate Starts for Orange_27:

(Start: 53 @19736 has 300 MA's), (Start: 88 @19793 has 17 MA's), (140, 19868), (209, 19997), (240, 20057), (268, 20117), (275, 20123), (300, 20165), (326, 20210), (327, 20216), (369, 20300), (379, 20333), (495, 20615), (499, 20624), (503, 20639), (545, 20705),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 26

Candidate Starts for Oscar_21:

(Start: 26 @15261 has 217 MA's), (78, 15378), (Start: 93 @15396 has 6 MA's), (123, 15441), (156, 15489), (178, 15537), (264, 15738), (297, 15792), (325, 15837), (332, 15858), (359, 15912), (371, 15945), (382, 15963), (422, 16026), (469, 16116), (470, 16119), (486, 16170), (501, 16209), (555, 16326), (566, 16365), (570, 16383),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 90

Candidate Starts for Outis_41:

(Start: 90 @29510 has 25 MA's), (148, 29597), (170, 29633), (186, 29672), (385, 30041), (454, 30185), (501, 30302), (551, 30398), (553, 30404), (558, 30419),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 82

Candidate Starts for P1201_46:

(Start: 82 @33556 has 8 MA's), (163, 33685), (196, 33775), (202, 33784), (Start: 214 @33802 has 1 MA's), (336, 34015), (355, 34057), (395, 34132), (403, 34150), (406, 34153), (417, 34174), (470, 34246), (480, 34279), (501, 34327),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 40

Candidate Starts for P3MA_17:

(Start: 40 @13196 has 1 MA's), (Start: 93 @13280 has 6 MA's), (126, 13331), (163, 13391), (165, 13394), (172, 13409), (192, 13463), (233, 13547), (268, 13640), (273, 13649), (339, 13769), (359, 13811), (372, 13847), (396, 13874), (422, 13922), (438, 13940), (447, 13958), (452, 13970), (453, 13973), (467, 14003), (469, 14006), (471, 14012), (490, 14072), (525, 14162), (537, 14183), (550, 14207), (555, 14222), (564, 14255), (566, 14261), (572, 14285),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 83

Candidate Starts for PCoral7_18:

(Start: 83 @15883 has 24 MA's), (Start: 102 @15898 has 1 MA's), (122, 15928), (136, 15949), (182, 16039), (218, 16120), (338, 16324), (341, 16327), (461, 16522), (501, 16612), (520, 16654), (549, 16702), (551, 16708),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 51

Candidate Starts for PP_36:

(Start: 51 @24810 has 1 MA's), (109, 24888), (126, 24909), (145, 24942), (166, 24981), (179, 25011), (255, 25158), (275, 25188), (300, 25230), (379, 25404), (393, 25434), (456, 25584), (480, 25647), (489, 25674), (495, 25686), (503, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 49

Candidate Starts for PSonyx_16:

(Start: 49 @16641 has 1 MA's), (223, 16932), (227, 16944), (240, 16968), (286, 17052), (305, 17079), (319, 17103), (334, 17127), (345, 17148), (372, 17166), (391, 17196), (458, 17283), (469, 17310), (513, 17430), (522, 17445), (553, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 53

Candidate Starts for PYPDinur_17:

(Start: 53 @15692 has 300 MA's), (70, 15716), (Start: 85 @15743 has 28 MA's), (Start: 88 @15746 has 17 MA's), (Start: 101 @15761 has 29 MA's), (126, 15794), (179, 15890), (255, 16025), (259,

16034), (297, 16094), (300, 16097), (345, 16175), (372, 16190), (389, 16214), (432, 16247), (442, 16283), (452, 16307), (458, 16325), (461, 16334), (476, 16376), (487, 16403), (506, 16451), (518, 16478), (564, 16562),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 20

Candidate Starts for Pace1224_17:

(6, 15304), (Start: 20 @15628 has 1 MA's), (Start: 26 @15664 has 217 MA's), (78, 15790), (126, 15850), (140, 15874), (165, 15916), (167, 15919), (180, 15949), (207, 16021), (222, 16045), (228, 16060), (231, 16066), (241, 16105), (246, 16111), (325, 16255), (330, 16273), (342, 16294), (345, 16300), (355, 16324), (370, 16360), (452, 16525), (469, 16567), (471, 16573), (541, 16744), (564, 16810),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for PackMan_28:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Padfoot_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 26

Candidate Starts for Padpat_22:

(Start: 26 @16011 has 217 MA's), (78, 16128), (140, 16218), (156, 16239), (165, 16260), (178, 16287), (297, 16542), (341, 16623), (372, 16698), (382, 16713), (452, 16824), (469, 16866), (501, 16959), (508, 16983), (555, 17076), (566, 17115), (570, 17133),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 53

Candidate Starts for PainterBoy_28:

(Start: 53 @19862 has 300 MA's), (68, 19880), (125, 19955), (166, 20030), (197, 20093), (275, 20237), (297, 20276), (300, 20279), (347, 20366), (451, 20618), (456, 20633), (470, 20669), (495, 20735), (502, 20753), (503, 20759),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 26

Candidate Starts for Paito_17:

(Start: 26 @15610 has 217 MA's), (78, 15730), (Start: 93 @15748 has 6 MA's), (126, 15799), (140, 15823), (163, 15862), (177, 15889), (205, 15967), (207, 15970), (221, 15991), (246, 16045), (284, 16120), (339, 16222), (345, 16234), (438, 16429), (452, 16459), (459, 16477), (495, 16579), (564, 16744),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 29

Candidate Starts for Paola_20:

(Start: 29 @16323 has 26 MA's), (163, 16563), (165, 16566), (178, 16593), (221, 16692), (264, 16794), (297, 16848), (317, 16878), (332, 16914), (334, 16917), (339, 16926), (371, 17001), (372, 17004), (422, 17082), (438, 17100), (441, 17106), (452, 17130), (453, 17133), (455, 17139), (469, 17172), (555, 17382), (566, 17421), (570, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 75

Candidate Starts for Parada_21:

(Start: 75 @16293 has 17 MA's), (110, 16338), (129, 16368), (186, 16476), (249, 16626), (267, 16674), (320, 16758), (324, 16767), (346, 16809), (433, 16986), (446, 17019), (459, 17055), (539, 17250), (565, 17322), (566, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 95

Candidate Starts for Paries_36:

(Start: 95 @30450 has 50 MA's), (191, 30636), (194, 30648), (208, 30675), (221, 30696), (254, 30756), (298, 30843), (301, 30846), (322, 30882), (334, 30915), (342, 30930), (349, 30942), (362, 30972), (365, 30978), (401, 31038), (450, 31128), (481, 31218), (489, 31242), (493, 31254), (514, 31320), (537, 31359), (544, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 60

Candidate Starts for Partridge_22:

(Start: 60 @15513 has 85 MA's), (Start: 81 @15552 has 6 MA's), (143, 15639), (178, 15708), (225, 15786), (300, 15924), (461, 16149), (469, 16167), (495, 16236), (561, 16374),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 90

Candidate Starts for Patio_43:

(Start: 90 @29772 has 25 MA's), (148, 29850), (186, 29925), (245, 30033), (288, 30117), (385, 30297), (388, 30303), (482, 30519), (501, 30558), (541, 30633), (548, 30645), (551, 30654), (558, 30675),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 26

Candidate Starts for Patt_23:

(Start: 26 @17231 has 217 MA's), (30, 17249), (Start: 61 @17321 has 2 MA's), (78, 17351), (140, 17441), (145, 17450), (165, 17483), (177, 17507), (222, 17612), (297, 17765), (335, 17834), (339, 17840), (422, 17993), (438, 18011), (452, 18041), (469, 18083), (470, 18086), (550, 18278), (555, 18293), (566, 18332), (570, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 26

Candidate Starts for Peanam_22:

(Start: 26 @15375 has 217 MA's), (78, 15495), (140, 15585), (178, 15654), (221, 15753), (222, 15756), (264, 15855), (297, 15909), (341, 15990), (372, 16065), (382, 16080), (441, 16167), (452, 16191), (469, 16233), (470, 16236), (486, 16287), (501, 16326), (541, 16410), (550, 16428), (555, 16443), (566, 16482), (570, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Peeb_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Peel_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 50

Candidate Starts for PegLeg_27:

(Start: 50 @21456 has 24 MA's), (119, 21558), (131, 21576), (140, 21591), (179, 21663), (182, 21672), (229, 21750), (295, 21885), (297, 21888), (300, 21891), (339, 21960), (386, 22002), (389, 22008), (470, 22149), (476, 22170), (482, 22182), (549, 22305), (553, 22317),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Periodt_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Petersenfast_26 Start: 19733, Stop: 20755, Start Num: 53

Candidate Starts for Petersenfast_26:

(Start: 53 @19733 has 300 MA's), (Start: 88 @19790 has 17 MA's), (140, 19865), (209, 19994), (240, 20054), (268, 20114), (275, 20120), (300, 20162), (326, 20207), (327, 20213), (369, 20297), (379, 20330), (495, 20612), (499, 20621), (503, 20636), (545, 20702),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 82

Candidate Starts for PeteyPab_32:

(Start: 82 @28461 has 8 MA's), (Start: 102 @28485 has 1 MA's), (130, 28530), (163, 28590), (181, 28629), (224, 28725), (321, 28887), (336, 28920), (385, 28995), (395, 29019), (484, 29160), (501, 29196), (510, 29223), (546, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 85

Candidate Starts for Petra_20:

(Start: 81 @16188 has 6 MA's), (Start: 85 @16194 has 28 MA's), (164, 16311), (182, 16350), (218, 16431), (274, 16530), (341, 16638), (381, 16722), (419, 16788), (423, 16794), (501, 16923), (520, 16965),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 60

Candidate Starts for PetterN_24:

(Start: 60 @17936 has 85 MA's), (143, 18065), (145, 18068), (166, 18107), (252, 18272), (268, 18302), (275, 18308), (285, 18326), (300, 18350), (325, 18392), (495, 18806), (545, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 53

Candidate Starts for Ph8s_28:

(Start: 53 @17912 has 300 MA's), (109, 17987), (125, 18005), (145, 18041), (275, 18287), (297, 18326), (300, 18329), (369, 18464), (407, 18557), (427, 18590), (470, 18713), (481, 18743), (495, 18779), (503, 18803),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 53

Candidate Starts for Phaded_30:

(Start: 53 @21122 has 300 MA's), (109, 21197), (125, 21215), (166, 21290), (240, 21431), (252, 21461), (275, 21497), (300, 21539), (348, 21629), (362, 21665), (369, 21680), (427, 21806), (456, 21893), (495, 21995), (503, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for Phaeder_28:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 60

Candidate Starts for PhailMary_21:

(Start: 60 @15802 has 85 MA's), (Start: 81 @15841 has 6 MA's), (143, 15928), (178, 15997), (225, 16075), (238, 16102), (300, 16213), (373, 16309), (461, 16438), (469, 16456), (495, 16525), (561,

16663),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 53

Candidate Starts for Pharaoh_27:

(21, 20123), (Start: 53 @20243 has 300 MA's), (125, 20336), (145, 20372), (166, 20411), (171, 20423), (219, 20507), (268, 20612), (275, 20618), (297, 20657), (300, 20660), (354, 20768), (362, 20786), (452, 21002), (495, 21116),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 26

Candidate Starts for Pharb_21:

(Start: 26 @16291 has 217 MA's), (78, 16414), (Start: 93 @16432 has 6 MA's), (123, 16477), (126, 16483), (145, 16513), (165, 16546), (207, 16651), (221, 16672), (224, 16678), (248, 16735), (264, 16774), (284, 16804), (332, 16891), (352, 16927), (438, 17074), (452, 17104), (455, 17113), (469, 17146), (470, 17149), (471, 17152), (490, 17212), (501, 17239), (542, 17326), (562, 17383), (564, 17389), (566, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 38

Candidate Starts for Phauci_25:

(Start: 38 @24740 has 25 MA's), (124, 24863), (144, 24899), (177, 24959), (215, 25055), (275, 25166), (288, 25187), (350, 25289), (364, 25325), (498, 25541), (500, 25547), (505, 25562), (509, 25577), (532, 25613), (549, 25646), (550, 25649), (570, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 26

Candidate Starts for PhelpsODU_21:

(Start: 26 @15233 has 217 MA's), (78, 15353), (140, 15443), (178, 15512), (264, 15713), (297, 15767), (317, 15797), (382, 15938), (420, 15998), (438, 16019), (452, 16049), (469, 16091), (470, 16094), (471, 16097), (501, 16184), (508, 16208), (550, 16286), (555, 16301), (566, 16340), (570, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 35

Candidate Starts for Phendrix_86:

(Start: 35 @51239 has 4 MA's), (63, 51278), (128, 51383), (141, 51404), (170, 51455), (172, 51461), (184, 51494), (270, 51662), (288, 51692), (387, 51872), (414, 51926), (453, 51947), (470, 51986), (471, 51989), (479, 52016), (480, 52019), (485, 52025), (500, 52052), (507, 52070), (529, 52109), (551, 52154), (553, 52160), (554, 52163),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 60

Candidate Starts for Phillis_23:

(Start: 60 @17609 has 85 MA's), (140, 17732), (143, 17738), (179, 17810), (240, 17915), (251, 17942), (300, 18032), (362, 18152), (391, 18233), (404, 18263), (407, 18266), (489, 18476), (505, 18515), (536, 18563), (545, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 38

Candidate Starts for Phinally_32:

(Start: 38 @28148 has 25 MA's), (124, 28271), (144, 28307), (177, 28367), (215, 28463), (275, 28574), (288, 28595), (350, 28697), (358, 28718), (364, 28733), (397, 28790), (451, 28841), (498, 28949), (500, 28955), (505, 28970), (510, 28988), (532, 29021), (549, 29054), (550, 29057), (570, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 88

Candidate Starts for PhinkBoden_47:

(Start: 88 @29095 has 17 MA's), (124, 29143), (140, 29170), (179, 29242), (202, 29308), (221, 29338), (283, 29446), (338, 29539), (351, 29563), (356, 29578), (410, 29674), (454, 29722), (532, 29902), (550, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Phish_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 85

Candidate Starts for Phishy_21:

(Start: 85 @17919 has 28 MA's), (Start: 90 @17925 has 25 MA's), (116, 17961), (118, 17964), (177, 18063), (200, 18132), (209, 18147), (218, 18159), (272, 18255), (274, 18258), (280, 18267), (288, 18279), (296, 18294), (365, 18423), (453, 18543), (461, 18564), (532, 18705),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 53

Candidate Starts for Phlei_22:

(Start: 53 @20737 has 300 MA's), (125, 20833), (182, 20947), (255, 21085), (268, 21109), (275, 21115), (300, 21157), (325, 21199), (328, 21211), (348, 21247), (369, 21298), (379, 21331), (396, 21370), (499, 21622), (503, 21637), (545, 21703),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 101

Candidate Starts for Phlop_30:

(Start: 101 @25004 has 29 MA's), (163, 25109), (189, 25178), (191, 25184), (198, 25208), (208, 25223), (401, 25583), (412, 25598), (421, 25616), (468, 25718), (481, 25760), (493, 25796), (533, 25892), (557, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 60

Candidate Starts for Phlorence_23:

(Start: 60 @18754 has 85 MA's), (125, 18850), (143, 18883), (145, 18886), (166, 18925), (186, 18973), (275, 19126), (285, 19144), (300, 19168), (325, 19210), (456, 19522), (495, 19624), (505, 19651), (545, 19714),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 90

Candidate Starts for Phomeo_39:

(Start: 90 @29529 has 25 MA's), (148, 29616), (186, 29691), (213, 29757), (245, 29799), (271, 29856), (388, 30069), (399, 30096), (454, 30207), (501, 30339), (551, 30435),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 53

Candidate Starts for Phonnegut_28:

(Start: 53 @20560 has 300 MA's), (68, 20578), (109, 20635), (125, 20653), (145, 20689), (240, 20869), (255, 20905), (275, 20935), (300, 20977), (376, 21136), (440, 21280), (461, 21343), (489, 21418), (495, 21430), (503, 21454),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 26

Candidate Starts for Phrank_21:

(Start: 26 @15187 has 217 MA's), (78, 15307), (140, 15397), (178, 15466), (264, 15667), (382, 15892), (420, 15952), (438, 15973), (469, 16045), (470, 16048), (471, 16051), (501, 16138), (508, 16162), (550, 16240), (555, 16255), (566, 16294), (570, 16312),

Gene: Phrankenstein_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Phrankenstein_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Phreak_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 85

Candidate Starts for PhrostedPhlake_19:

(Start: 81 @16163 has 6 MA's), (Start: 85 @16169 has 28 MA's), (182, 16325), (218, 16406), (274, 16505), (341, 16613), (381, 16697), (419, 16763), (423, 16769), (501, 16898), (510, 16925), (520, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Piatt_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 60

Candidate Starts for PickleBack_23:

(Start: 60 @18468 has 85 MA's), (125, 18564), (143, 18597), (145, 18600), (166, 18639), (186, 18687), (275, 18840), (285, 18858), (300, 18882), (325, 18924), (456, 19236), (495, 19338), (505, 19365), (545, 19428),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 75

Candidate Starts for Pimento_22:

(Start: 75 @15990 has 17 MA's), (110, 16035), (129, 16065), (186, 16173), (249, 16323), (267, 16371), (320, 16455), (324, 16464), (346, 16506), (433, 16683), (459, 16752), (539, 16947), (565, 17019), (566, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 101

Candidate Starts for PinkCoffee_32:

(Start: 101 @25643 has 29 MA's), (163, 25748), (189, 25817), (191, 25823), (198, 25847), (208, 25862), (401, 26222), (412, 26237), (421, 26255), (468, 26357), (481, 26399), (493, 26435), (533, 26531), (557, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 26

Candidate Starts for PinkYoshi_17:

(6, 15135), (Start: 26 @15468 has 217 MA's), (78, 15588), (Start: 93 @15606 has 6 MA's), (123, 15651), (126, 15657), (163, 15720), (180, 15756), (205, 15825), (207, 15828), (221, 15849), (246, 15903), (264, 15948), (284, 15978), (339, 16080), (345, 16092), (352, 16104), (359, 16122), (438, 16287), (452, 16317), (459, 16335), (469, 16359), (509, 16479), (555, 16569), (564, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 26

Candidate Starts for Pinnie_18:

(Start: 26 @16180 has 217 MA's), (Start: 93 @16324 has 6 MA's), (126, 16375), (165, 16441), (167, 16444), (180, 16474), (207, 16546), (241, 16615), (246, 16621), (320, 16756), (345, 16810), (370, 16870), (430, 16978), (452, 17035), (469, 17077), (539, 17251), (541, 17254), (564, 17320),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 53

Candidate Starts for Pioneer_28:

(Start: 53 @20560 has 300 MA's), (68, 20578), (109, 20635), (125, 20653), (145, 20689), (240, 20869), (255, 20905), (275, 20935), (300, 20977), (376, 21136), (440, 21280), (461, 21343), (489, 21418), (495, 21430), (503, 21454),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 81

Candidate Starts for Pipp_18:

(Start: 81 @15781 has 6 MA's), (Start: 85 @15787 has 28 MA's), (Start: 102 @15802 has 1 MA's), (182, 15943), (218, 16024), (341, 16231), (381, 16315), (419, 16381), (461, 16426), (501, 16516), (510, 16543), (520, 16558),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 53

Candidate Starts for Piro94_28:

(Start: 53 @19659 has 300 MA's), (109, 19734), (125, 19752), (145, 19788), (166, 19827), (255, 20004), (275, 20034), (297, 20073), (300, 20076), (495, 20532), (503, 20556),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 26

Candidate Starts for Pixie_21:

(Start: 26 @16222 has 217 MA's), (78, 16345), (123, 16408), (126, 16414), (145, 16444), (165, 16477), (207, 16582), (221, 16603), (224, 16609), (248, 16666), (264, 16705), (284, 16735), (332, 16822), (352, 16858), (362, 16885), (438, 17005), (452, 17035), (455, 17044), (469, 17077), (470, 17080), (471, 17083), (501, 17170), (542, 17257), (564, 17320), (566, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Plagueis_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 90

Candidate Starts for Pleakley_49:

(Start: 90 @29758 has 25 MA's), (148, 29839), (186, 29914), (204, 29965), (271, 30079), (385, 30286), (501, 30547), (534, 30610), (551, 30643),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 53

Candidate Starts for Pmask_30:

(Start: 53 @18960 has 300 MA's), (Start: 88 @19014 has 17 MA's), (125, 19053), (179, 19158), (255, 19305), (275, 19335), (297, 19374), (300, 19377), (326, 19422), (354, 19482), (440, 19680), (495, 19830), (499, 19839),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 53

Candidate Starts for Poise_49:

(Start: 53 @25756 has 300 MA's), (140, 25888), (155, 25912), (161, 25921), (164, 25927), (168, 25936), (179, 25960), (182, 25969), (187, 25981), (191, 25993), (251, 26107), (290, 26188), (300, 26203), (305, 26209), (386, 26317), (461, 26443), (464, 26449), (528, 26599), (531, 26605), (538, 26617), (540, 26620), (568, 26707), (569, 26710), (571, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 26

Candidate Starts for Pokerus_21:

(Start: 26 @15968 has 217 MA's), (78, 16085), (140, 16175), (156, 16196), (165, 16217), (178, 16244), (297, 16499), (341, 16580), (372, 16655), (382, 16670), (452, 16781), (469, 16823), (501, 16916), (508, 16940), (555, 17033), (566, 17072), (570, 17090),

Gene: Polyphemus_29 Start: 18958, Stop: 19971, Start Num: 53

Candidate Starts for Polyphemus_29:

(Start: 53 @18958 has 300 MA's), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (255, 19303), (275, 19333), (297, 19372), (300, 19375), (326, 19420), (354, 19480), (440, 19678), (495, 19828), (499, 19837),

Gene: Polyuki_44 Start: 30428, Stop: 31354, Start Num: 88

Candidate Starts for Polyuki_44:

(Start: 88 @30428 has 17 MA's), (Start: 121 @30464 has 2 MA's), (186, 30581), (196, 30620), (207, 30638), (245, 30689), (296, 30788), (340, 30863), (344, 30872), (375, 30947), (388, 30968), (454, 31106), (469, 31142), (481, 31181), (501, 31223), (534, 31286), (551, 31319),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 53

Candidate Starts for Pomar16_30:

(Start: 53 @19083 has 300 MA's), (Start: 88 @19137 has 17 MA's), (109, 19158), (125, 19176), (219, 19347), (275, 19458), (297, 19497), (300, 19500), (326, 19545), (461, 19863), (489, 19938), (495, 19950), (503, 19974), (545, 20040),

Gene: Pochiewood_17 Start: 15865, Stop: 16746, Start Num: 53

Candidate Starts for Pochiewood_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 101

Candidate Starts for Portcullis_30:

(Start: 101 @24953 has 29 MA's), (163, 25058), (189, 25127), (191, 25133), (198, 25157), (208, 25172), (401, 25532), (412, 25547), (421, 25565), (468, 25667), (481, 25709), (493, 25745), (533, 25841), (557, 25892),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 82

Candidate Starts for PotatoChip_33:

(Start: 82 @28463 has 8 MA's), (Start: 102 @28487 has 1 MA's), (130, 28532), (163, 28592), (181, 28631), (224, 28727), (321, 28889), (336, 28922), (385, 28997), (395, 29021), (484, 29162), (501, 29198), (510, 29225), (546, 29282),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 44

Candidate Starts for Poushou_18:

(Start: 44 @16550 has 4 MA's), (Start: 46 @16553 has 1 MA's), (Start: 101 @16637 has 29 MA's), (179, 16775), (370, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 53

Candidate Starts for Power_27:

(Start: 53 @19105 has 300 MA's), (109, 19180), (125, 19198), (145, 19234), (166, 19273), (275, 19480), (297, 19519), (300, 19522), (427, 19789), (461, 19891), (489, 19966), (495, 19978), (545, 20068),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 53

Candidate Starts for Priamo_30:

(Start: 53 @19009 has 300 MA's), (Start: 88 @19063 has 17 MA's), (125, 19102), (145, 19138), (179, 19207), (255, 19354), (275, 19384), (297, 19423), (300, 19426), (326, 19471), (354, 19531), (407,

19657), (440, 19729), (495, 19879), (499, 19888),

Gene: Prin Ashe11_24 Start: 18616, Stop: 19629, Start Num: 60

Candidate Starts for Prin Ashe11_24:

(Start: 60 @18616 has 85 MA's), (125, 18712), (143, 18745), (145, 18748), (166, 18787), (240, 18922), (268, 18982), (275, 18988), (285, 19006), (300, 19030), (325, 19072), (456, 19384), (495, 19486), (545, 19576),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 83

Candidate Starts for PrincePatrick_18:

(Start: 83 @15957 has 24 MA's), (Start: 102 @15972 has 1 MA's), (122, 16002), (136, 16023), (182, 16113), (218, 16194), (338, 16398), (341, 16401), (461, 16596), (501, 16686), (520, 16728), (549, 16776), (551, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 53

Candidate Starts for Pringar_49:

(Start: 53 @26044 has 300 MA's), (140, 26176), (155, 26200), (161, 26209), (164, 26215), (168, 26224), (179, 26248), (182, 26257), (187, 26269), (251, 26395), (290, 26476), (300, 26491), (305, 26497), (386, 26605), (461, 26731), (464, 26737), (528, 26887), (531, 26893), (538, 26905), (540, 26908), (568, 26995), (569, 26998), (571, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 26

Candidate Starts for Prithvi_22:

(Start: 26 @15985 has 217 MA's), (78, 16102), (140, 16192), (156, 16213), (165, 16234), (178, 16261), (297, 16516), (341, 16597), (372, 16672), (382, 16687), (452, 16798), (469, 16840), (501, 16933), (508, 16957), (555, 17050), (566, 17089), (570, 17107),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 53

Candidate Starts for Priya_28:

(Start: 53 @20558 has 300 MA's), (68, 20576), (109, 20633), (125, 20651), (145, 20687), (240, 20867), (255, 20903), (275, 20933), (300, 20975), (376, 21134), (440, 21278), (461, 21341), (489, 21416), (495, 21428), (503, 21452),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 29

Candidate Starts for Psycho_20:

(Start: 29 @16299 has 26 MA's), (123, 16473), (163, 16539), (178, 16569), (221, 16668), (264, 16770), (297, 16824), (317, 16854), (332, 16890), (334, 16893), (339, 16902), (371, 16977), (372, 16980), (398, 17016), (422, 17058), (438, 17076), (441, 17082), (452, 17106), (453, 17109), (469, 17148), (503, 17250), (555, 17358), (566, 17397), (570, 17415),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 53

Candidate Starts for Pukovnik_29:

(Start: 53 @20677 has 300 MA's), (109, 20752), (125, 20770), (166, 20845), (172, 20860), (240, 20986), (275, 21052), (297, 21091), (300, 21094), (306, 21103), (348, 21184), (369, 21235), (495, 21550), (503, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 101

Candidate Starts for PullumCavea_30:

(Start: 101 @25004 has 29 MA's), (163, 25109), (189, 25178), (191, 25184), (198, 25208), (208, 25223), (401, 25583), (412, 25598), (421, 25616), (468, 25718), (481, 25760), (493, 25796), (533, 25892), (557, 25943),

Gene: Puppets_17 Start: 14309, Stop: 15142, Start Num: 56

Candidate Starts for Poppers_17:

(Start: 56 @14309 has 14 MA's), (Start: 101 @14378 has 29 MA's), (150, 14462), (175, 14513), (234, 14621), (291, 14714), (300, 14726), (305, 14732), (342, 14798), (453, 14924), (471, 14951), (472, 14954), (478, 14972), (484, 14987), (500, 15026),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 53

Candidate Starts for Qobbit_28:

(Start: 53 @20557 has 300 MA's), (68, 20575), (109, 20632), (125, 20650), (145, 20686), (240, 20866), (255, 20902), (275, 20932), (300, 20974), (376, 21133), (440, 21277), (461, 21340), (489, 21415), (495, 21427), (503, 21451),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 53

Candidate Starts for Quby_17:

(Start: 53 @15700 has 300 MA's), (70, 15724), (Start: 85 @15751 has 28 MA's), (Start: 88 @15754 has 17 MA's), (Start: 101 @15769 has 29 MA's), (126, 15802), (179, 15898), (255, 16033), (259, 16042), (297, 16102), (300, 16105), (345, 16183), (372, 16198), (389, 16222), (442, 16291), (452, 16315), (458, 16333), (476, 16384), (487, 16411), (506, 16459), (518, 16486), (564, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 53

Candidate Starts for QueenB2_27:

(Start: 53 @19223 has 300 MA's), (109, 19298), (125, 19316), (145, 19352), (166, 19391), (275, 19598), (297, 19637), (300, 19640), (427, 19907), (461, 20009), (489, 20084), (495, 20096), (545, 20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 53

Candidate Starts for QueenBeesly_27:

(Start: 53 @19105 has 300 MA's), (109, 19180), (125, 19198), (145, 19234), (166, 19273), (275, 19480), (297, 19519), (300, 19522), (427, 19789), (461, 19891), (489, 19966), (495, 19978), (545, 20068),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 26

Candidate Starts for QuincyRose_21:

(Start: 26 @16031 has 217 MA's), (78, 16148), (140, 16238), (156, 16259), (165, 16280), (178, 16307), (297, 16562), (341, 16643), (372, 16718), (382, 16733), (452, 16844), (469, 16886), (501, 16979), (508, 17003), (555, 17096), (566, 17135), (570, 17153),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 53

Candidate Starts for Quokka_25:

(Start: 53 @18067 has 300 MA's), (Start: 88 @18121 has 17 MA's), (109, 18142), (125, 18160), (166, 18235), (275, 18442), (297, 18481), (300, 18484), (326, 18529), (407, 18712), (427, 18745), (461, 18847), (495, 18934), (545, 19024),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 109

Candidate Starts for REQ2_19:

(109, 18255), (133, 18288), (140, 18300), (197, 18435), (221, 18471), (310, 18618), (324, 18642), (338, 18669), (385, 18762), (401, 18792), (455, 18852), (498, 18936), (502, 18948), (532, 19008), (549, 19041), (553, 19053), (559, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 56

Candidate Starts for REQ3_49:

(Start: 56 @31366 has 14 MA's), (Start: 75 @31399 has 17 MA's), (Start: 81 @31411 has 6 MA's), (140, 31492), (Start: 214 @31615 has 1 MA's), (224, 31633), (240, 31669), (300, 31774), (323, 31813), (394, 31927), (396, 31930), (458, 32029), (495, 32131), (523, 32191), (561, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 60

Candidate Starts for RER2_15:

(Start: 60 @12352 has 85 MA's), (Start: 81 @12391 has 6 MA's), (140, 12472), (143, 12478), (178, 12547), (225, 12625), (252, 12685), (300, 12763), (373, 12859), (461, 12988), (469, 13006), (489, 13063), (495, 13075), (509, 13117), (561, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 60

Candidate Starts for RGL3_15:

(Start: 60 @12514 has 85 MA's), (99, 12574), (143, 12640), (172, 12697), (178, 12709), (240, 12820), (268, 12877), (300, 12925), (331, 12976), (461, 13150), (471, 13174), (481, 13201), (489, 13225), (495, 13237),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 44

Candidate Starts for Rabbitrun_29:

(Start: 44 @22682 has 4 MA's), (Start: 53 @22697 has 300 MA's), (Start: 88 @22754 has 17 MA's), (109, 22784), (142, 22829), (162, 22862), (179, 22898), (224, 22973), (238, 23003), (239, 23006), (255, 23042), (285, 23105), (286, 23108), (295, 23123), (315, 23153), (323, 23168), (334, 23189), (389, 23249), (391, 23255), (471, 23402), (480, 23426), (502, 23483), (536, 23540), (551, 23564), (556, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 26

Candidate Starts for Rabbs_17:

(4, 15083), (6, 15143), (Start: 26 @15479 has 217 MA's), (78, 15605), (Start: 93 @15623 has 6 MA's), (123, 15668), (126, 15674), (163, 15737), (180, 15773), (205, 15842), (207, 15845), (221, 15866), (246, 15920), (284, 15995), (339, 16097), (345, 16109), (438, 16304), (452, 16334), (459, 16352), (469, 16376), (503, 16478), (509, 16496), (555, 16586), (564, 16619),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 53

Candidate Starts for Rachaly_30:

(Start: 53 @20827 has 300 MA's), (125, 20920), (145, 20956), (166, 20995), (275, 21202), (297, 21241), (300, 21244), (326, 21289), (369, 21379), (407, 21472), (427, 21505), (461, 21607), (489, 21682), (495, 21694), (545, 21784),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 53

Candidate Starts for Raela_49:

(Start: 53 @26311 has 300 MA's), (140, 26443), (155, 26467), (161, 26476), (164, 26482), (168, 26491), (179, 26515), (182, 26524), (187, 26536), (251, 26662), (290, 26743), (300, 26758), (305, 26764), (386, 26872), (461, 26998), (464, 27004), (492, 27079), (528, 27154), (531, 27160), (538, 27172), (540, 27175), (568, 27262), (569, 27265), (571, 27268),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 53

Candidate Starts for Rahalelujah_26:

(Start: 53 @18587 has 300 MA's), (68, 18605), (Start: 88 @18641 has 17 MA's), (109, 18662), (125, 18680), (179, 18785), (255, 18932), (275, 18962), (300, 19004), (354, 19109), (372, 19154), (390, 19199), (413, 19250), (418, 19256), (424, 19265), (461, 19379), (481, 19430), (489, 19454), (495, 19466), (545, 19556),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 26

Candidate Starts for Ramen_22:

(Start: 26 @16017 has 217 MA's), (78, 16134), (140, 16224), (156, 16245), (165, 16266), (178, 16293), (297, 16548), (341, 16629), (372, 16704), (382, 16719), (452, 16830), (469, 16872), (501, 16965), (508, 16989), (555, 17082), (566, 17121), (570, 17139),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 29

Candidate Starts for Rando14_20:

(Start: 29 @14989 has 26 MA's), (Start: 93 @15118 has 6 MA's), (123, 15163), (163, 15229), (165, 15232), (178, 15259), (221, 15358), (264, 15460), (297, 15514), (317, 15544), (332, 15580), (339, 15592), (362, 15643), (371, 15667), (396, 15700), (422, 15748), (441, 15772), (452, 15796), (453, 15799), (469, 15838), (555, 16048), (566, 16087), (570, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 26

Candidate Starts for Rapunzel97_22:

(Start: 26 @16018 has 217 MA's), (78, 16135), (140, 16225), (156, 16246), (165, 16267), (178, 16294), (297, 16549), (341, 16630), (372, 16705), (382, 16720), (452, 16831), (469, 16873), (501, 16966), (508, 16990), (555, 17083), (566, 17122), (570, 17140),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 60

Candidate Starts for Rasputin_22:

(Start: 60 @15448 has 85 MA's), (Start: 81 @15487 has 6 MA's), (140, 15568), (143, 15574), (178, 15643), (225, 15721), (238, 15748), (300, 15859), (373, 15955), (461, 16084), (469, 16102), (495, 16171), (561, 16309),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 57

Candidate Starts for ReMo_29:

(Start: 57 @18119 has 20 MA's), (140, 18233), (143, 18239), (145, 18242), (263, 18476), (407, 18743), (437, 18797), (495, 18953),

Gene: Red305_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for Red305_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: RedRaider_47 Start: 31794, Stop: 32711, Start Num: 90

Candidate Starts for RedRaider_47:

(Start: 90 @31794 has 25 MA's), (148, 31872), (186, 31947), (245, 32055), (288, 32139), (385, 32319), (388, 32325), (482, 32541), (501, 32580), (534, 32643), (541, 32655), (551, 32676), (558, 32697),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 53

Candidate Starts for RedRaider77_49:

(Start: 53 @26212 has 300 MA's), (140, 26344), (155, 26368), (161, 26377), (164, 26383), (168, 26392), (179, 26416), (182, 26425), (187, 26437), (251, 26563), (290, 26644), (300, 26659), (305, 26665), (386, 26773), (461, 26899), (464, 26905), (492, 26980), (528, 27055), (531, 27061), (538, 27073), (540, 27076), (568, 27163), (569, 27166), (571, 27169),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 53

Candidate Starts for RedRock_30:

(Start: 53 @21090 has 300 MA's), (68, 21108), (109, 21165), (125, 21183), (145, 21219), (166, 21258), (275, 21465), (297, 21504), (300, 21507), (326, 21552), (407, 21738), (427, 21771), (456, 21858), (495, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 53

Candidate Starts for Refuge_30:

(Start: 53 @22099 has 300 MA's), (109, 22174), (125, 22192), (145, 22228), (166, 22267), (275, 22474), (297, 22513), (300, 22516), (377, 22681), (396, 22729), (495, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 48

Candidate Starts for Reindeer_25:

(Start: 48 @21276 has 1 MA's), (Start: 50 @21279 has 24 MA's), (114, 21378), (119, 21381), (131, 21399), (140, 21414), (179, 21486), (182, 21495), (229, 21573), (252, 21621), (297, 21711), (300, 21714), (312, 21732), (339, 21783), (372, 21807), (386, 21825), (389, 21831), (456, 21936), (470, 21972), (476, 21993), (522, 22101), (549, 22128), (553, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 61

Candidate Starts for Rem711_24:

(3, 17356), (13, 17629), (54, 17917), (Start: 61 @17926 has 2 MA's), (Start: 84 @17965 has 1 MA's), (225, 18217), (271, 18337), (339, 18451), (348, 18469), (361, 18499), (367, 18511), (447, 18691), (454, 18718), (569, 19018),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 57

Candidate Starts for Remus_29:

(Start: 57 @18083 has 20 MA's), (140, 18197), (143, 18203), (145, 18206), (263, 18440), (407, 18707), (437, 18761), (495, 18917),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Remy19_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Renaissance_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 26

Candidate Starts for Reptar3000_23:

(Start: 26 @17233 has 217 MA's), (30, 17251), (Start: 61 @17323 has 2 MA's), (78, 17353), (140, 17443), (145, 17452), (165, 17485), (177, 17509), (222, 17614), (297, 17767), (335, 17836), (339, 17842), (422, 17995), (438, 18013), (452, 18043), (469, 18085), (470, 18088), (555, 18295), (566, 18334), (570, 18352),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 53

Candidate Starts for Retro23_27:

(Start: 53 @19253 has 300 MA's), (109, 19328), (125, 19346), (145, 19382), (166, 19421), (275, 19628), (297, 19667), (300, 19670), (427, 19937), (461, 20039), (489, 20114), (495, 20126), (545, 20216), (549, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 60

Candidate Starts for RexFury_22:

(Start: 60 @15511 has 85 MA's), (Start: 81 @15550 has 6 MA's), (140, 15631), (143, 15637), (178, 15706), (225, 15784), (252, 15844), (300, 15922), (373, 16018), (461, 16147), (469, 16165), (489, 16222), (495, 16234), (509, 16276), (561, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 50

Candidate Starts for Rey_31:

(Start: 50 @22233 has 24 MA's), (55, 22242), (Start: 88 @22296 has 17 MA's), (119, 22335), (131, 22353), (140, 22368), (178, 22437), (297, 22665), (300, 22668), (386, 22779), (389, 22785), (470, 22926), (481, 22956), (501, 23007), (563, 23130),

Gene: Reyja_18 Start: 14313, Stop: 15155, Start Num: 56

Candidate Starts for Reyja_18:

(8, 13857), (10, 13935), (16, 14133), (Start: 35 @14274 has 4 MA's), (Start: 56 @14313 has 14 MA's), (Start: 101 @14382 has 29 MA's), (123, 14412), (131, 14433), (150, 14466), (171, 14508), (172, 14511), (255, 14652), (300, 14718), (394, 14850), (452, 14925), (478, 14979), (495, 15021), (522, 15087), (549, 15126),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Rhodalysa_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 95

Candidate Starts for Ribeye_34:

(Start: 95 @29836 has 50 MA's), (177, 29977), (182, 29992), (191, 30022), (194, 30034), (198, 30046), (208, 30061), (216, 30073), (228, 30100), (242, 30115), (254, 30142), (301, 30232), (322, 30268), (349, 30328), (365, 30364), (401, 30424), (450, 30514), (481, 30604), (489, 30628), (493, 30640), (514, 30706), (524, 30721), (537, 30745),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 26

Candidate Starts for Richo_22:

(Start: 26 @15375 has 217 MA's), (78, 15495), (140, 15585), (178, 15654), (221, 15753), (222, 15756), (264, 15855), (297, 15909), (341, 15990), (372, 16065), (382, 16080), (441, 16167), (452, 16191), (469, 16233), (470, 16236), (486, 16287), (501, 16326), (541, 16410), (550, 16428), (555, 16443), (566, 16482), (570, 16500),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 53

Candidate Starts for Rifter_30:

(Start: 53 @18949 has 300 MA's), (68, 18967), (Start: 88 @19003 has 17 MA's), (125, 19042), (179, 19147), (275, 19324), (297, 19363), (300, 19366), (347, 19453), (354, 19474), (440, 19672), (495, 19822), (499, 19831), (545, 19912),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 95

Candidate Starts for RiverRaider_34:

(Start: 95 @28121 has 50 MA's), (177, 28265), (182, 28280), (191, 28310), (194, 28322), (208, 28349), (216, 28361), (221, 28370), (254, 28430), (301, 28520), (322, 28556), (342, 28604), (349, 28616), (360, 28640), (362, 28646), (401, 28712), (450, 28802), (481, 28892), (489, 28916), (493, 28928), (496, 28934), (504, 28958), (544, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 38

Candidate Starts for RoadKill_29:

(Start: 38 @26072 has 25 MA's), (Start: 49 @26084 has 1 MA's), (67, 26111), (97, 26159), (134, 26213), (177, 26291), (215, 26387), (230, 26420), (255, 26459), (331, 26588), (350, 26621), (364, 26657), (484, 26843), (500, 26873), (509, 26900), (532, 26936), (549, 26969), (563, 27017), (570, 27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 60

Candidate Starts for Roary_23:

(Start: 60 @17600 has 85 MA's), (140, 17723), (143, 17729), (179, 17801), (240, 17906), (251, 17933), (300, 18023), (391, 18224), (404, 18254), (407, 18257), (489, 18467), (505, 18506), (536, 18554), (545, 18569),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 95

Candidate Starts for Rofo_34:

(Start: 95 @29848 has 50 MA's), (191, 30034), (194, 30046), (208, 30073), (221, 30094), (254, 30154), (298, 30241), (301, 30244), (322, 30280), (334, 30313), (342, 30328), (349, 30340), (362, 30370), (365, 30376), (401, 30436), (450, 30526), (481, 30616), (489, 30640), (493, 30652), (514, 30718), (537, 30757), (544, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 101

Candidate Starts for RogerDodger_33:

(Start: 101 @25794 has 29 MA's), (163, 25890), (189, 25959), (191, 25965), (198, 25989), (208, 26004), (322, 26214), (361, 26292), (392, 26337), (401, 26361), (433, 26400), (468, 26496), (481, 26538), (493, 26574), (519, 26649), (533, 26670), (557, 26721),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 53

Candidate Starts for Roksolana_30:

(Start: 53 @18977 has 300 MA's), (68, 18995), (Start: 88 @19031 has 17 MA's), (125, 19070), (179, 19175), (275, 19352), (297, 19391), (300, 19394), (347, 19481), (354, 19502), (407, 19628), (440, 19700), (495, 19850), (499, 19859), (545, 19940),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 47

Candidate Starts for RonRayGun_18:

(Start: 47 @16018 has 12 MA's), (66, 16045), (Start: 75 @16063 has 17 MA's), (184, 16240), (186, 16243), (225, 16318), (255, 16384), (265, 16411), (297, 16468), (305, 16477), (463, 16714), (472, 16738), (508, 16837), (515, 16858), (530, 16879), (550, 16918), (553, 16927),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 57

Candidate Starts for Rosalind_29:

(Start: 57 @18241 has 20 MA's), (140, 18355), (143, 18361), (145, 18364), (263, 18598), (407, 18865), (437, 18919), (495, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 53

Candidate Starts for Rose5_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: RoseMarie_27 Start: 21674, Stop: 22585, Start Num: 50

Candidate Starts for RoseMarie_27:

(Start: 50 @21674 has 24 MA's), (119, 21776), (131, 21794), (140, 21809), (182, 21890), (229, 21968), (252, 22016), (297, 22106), (300, 22109), (312, 22127), (339, 22178), (389, 22226), (450, 22313), (461, 22346), (482, 22400), (522, 22496), (549, 22523), (553, 22535),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 26

Candidate Starts for Rosmarinus_22:

(Start: 26 @16039 has 217 MA's), (78, 16156), (140, 16246), (156, 16267), (165, 16288), (178, 16315), (297, 16570), (341, 16651), (372, 16726), (382, 16741), (452, 16852), (469, 16894), (501, 16987), (508, 17011), (555, 17104), (566, 17143), (570, 17161),

Gene: Rossetti_17 Start: 16094, Stop: 17008, Start Num: 53

Candidate Starts for Rossetti_17:

(Start: 53 @16094 has 300 MA's), (70, 16118), (Start: 88 @16148 has 17 MA's), (145, 16229), (171, 16274), (295, 16499), (297, 16502), (300, 16505), (370, 16592), (386, 16616), (389, 16622), (391, 16628), (442, 16691), (450, 16709), (456, 16727), (457, 16730), (476, 16784), (482, 16796), (506, 16859), (518, 16886), (553, 16949), (564, 16988), (567, 17000),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 53

Candidate Starts for Rumpelstiltskin_17:

(Start: 53 @16080 has 300 MA's), (70, 16104), (Start: 88 @16134 has 17 MA's), (171, 16260), (Start: 214 @16332 has 1 MA's), (295, 16485), (297, 16488), (300, 16491), (319, 16521), (370, 16578), (386, 16602), (389, 16608), (442, 16677), (450, 16695), (457, 16716), (482, 16782), (506, 16845), (564, 16974), (567, 16986),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 26

Candidate Starts for Ruthiejr_22:

(Start: 26 @17121 has 217 MA's), (Start: 61 @17211 has 2 MA's), (78, 17241), (140, 17331), (165, 17373), (167, 17376), (172, 17388), (335, 17724), (339, 17730), (371, 17805), (422, 17883), (437, 17898), (452, 17931), (469, 17973), (470, 17976), (502, 18069), (555, 18183), (566, 18222), (570, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 75

Candidate Starts for Ruthy_18:

(Start: 75 @15266 has 17 MA's), (140, 15359), (165, 15401), (186, 15449), (222, 15527), (256, 15617), (265, 15641), (267, 15647), (313, 15719), (318, 15728), (320, 15731), (324, 15740), (346, 15782), (396, 15881), (431, 15950), (501, 16145), (539, 16223), (555, 16259), (565, 16295), (566, 16298),

Gene: RyeScarlet_29 Start: 20531, Stop: 21544, Start Num: 53

Candidate Starts for RyeScarlet_29:

(Start: 53 @20531 has 300 MA's), (68, 20549), (109, 20606), (125, 20624), (145, 20660), (240, 20840), (255, 20876), (275, 20906), (300, 20948), (376, 21107), (440, 21251), (461, 21314), (489, 21389), (495, 21401), (503, 21425),

Gene: Sachima_26 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for Sachima_26:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 60

Candidate Starts for Saintus_23:

(Start: 60 @17615 has 85 MA's), (140, 17738), (143, 17744), (179, 17816), (240, 17921), (251, 17948), (300, 18038), (391, 18239), (404, 18269), (407, 18272), (489, 18482), (505, 18521), (536, 18569), (545, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 101

Candidate Starts for Salvador_30:

(Start: 101 @24918 has 29 MA's), (163, 25023), (189, 25092), (191, 25098), (198, 25122), (208, 25137), (401, 25497), (412, 25512), (421, 25530), (468, 25632), (481, 25674), (493, 25710), (519,

25785), (533, 25806), (557, 25857),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 53

Candidate Starts for Salz_27:

(Start: 53 @19727 has 300 MA's), (Start: 88 @19784 has 17 MA's), (140, 19859), (209, 19988), (240, 20048), (268, 20108), (275, 20114), (300, 20156), (326, 20201), (327, 20207), (369, 20291), (379, 20324), (495, 20606), (499, 20615), (503, 20630), (545, 20696),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 26

Candidate Starts for SamScheppers_21:

(Start: 26 @17028 has 217 MA's), (30, 17046), (Start: 61 @17118 has 2 MA's), (78, 17148), (140, 17238), (165, 17280), (177, 17304), (222, 17409), (297, 17562), (335, 17631), (339, 17637), (422, 17790), (438, 17808), (452, 17838), (469, 17880), (470, 17883), (550, 18075), (555, 18090), (566, 18129), (570, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 83

Candidate Starts for Samba_18:

(Start: 83 @15871 has 24 MA's), (182, 16027), (218, 16108), (253, 16165), (257, 16174), (274, 16207), (341, 16315), (381, 16399), (419, 16465), (423, 16471), (501, 16600), (520, 16642),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 38

Candidate Starts for Sampson_34:

(Start: 38 @29722 has 25 MA's), (89, 29797), (97, 29809), (124, 29845), (144, 29881), (190, 29983), (215, 30037), (255, 30109), (289, 30172), (294, 30181), (331, 30238), (350, 30271), (363, 30304), (364, 30307), (397, 30364), (471, 30460), (484, 30493), (487, 30502), (500, 30523), (509, 30550), (521, 30571), (529, 30580), (532, 30586), (549, 30619), (550, 30622), (566, 30676), (570, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 53

Candidate Starts for Samty_18:

(Start: 53 @16493 has 300 MA's), (70, 16517), (Start: 101 @16562 has 29 MA's), (109, 16577), (126, 16598), (179, 16694), (255, 16829), (259, 16838), (297, 16898), (300, 16901), (305, 16907), (345, 16979), (386, 17012), (442, 17087), (463, 17141), (471, 17162), (489, 17213), (506, 17255), (564, 17366), (565, 17369),

Gene: SamuelLPlaqson_22 Start: 15965, Stop: 17101, Start Num: 26

Candidate Starts for SamuelLPlaqson_22:

(Start: 26 @15965 has 217 MA's), (78, 16082), (140, 16172), (156, 16193), (165, 16214), (178, 16241), (264, 16442), (297, 16496), (302, 16502), (341, 16577), (372, 16652), (382, 16667), (469, 16820), (501, 16913), (508, 16937), (555, 17030), (566, 17069), (570, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 95

Candidate Starts for Sanjuju_32:

(Start: 95 @30017 has 50 MA's), (191, 30203), (194, 30215), (208, 30242), (221, 30263), (254, 30323), (298, 30410), (301, 30413), (322, 30449), (334, 30482), (342, 30497), (349, 30509), (362, 30539), (365, 30545), (401, 30605), (450, 30695), (481, 30785), (489, 30809), (493, 30821), (514, 30887), (544, 30938),

Gene: Santhid_17 Start: 14146, Stop: 14988, Start Num: 56

Candidate Starts for Santhid_17:

(Start: 35 @14107 has 4 MA's), (Start: 56 @14146 has 14 MA's), (Start: 101 @14215 has 29 MA's), (123, 14245), (131, 14266), (150, 14299), (172, 14344), (300, 14551), (394, 14683), (478, 14812), (495, 14854), (518, 14914), (522, 14920), (549, 14959),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 84

Candidate Starts for Sapo_15:

(Start: 84 @13755 has 1 MA's), (116, 13791), (139, 13827), (224, 13995), (225, 13998), (292, 14118), (315, 14148), (341, 14196), (342, 14199), (343, 14202), (353, 14226), (385, 14286), (454, 14373), (534, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 95

Candidate Starts for Saronaya_33:

(Start: 95 @28679 has 50 MA's), (177, 28820), (191, 28865), (194, 28877), (198, 28889), (208, 28904), (216, 28916), (228, 28943), (242, 28958), (254, 28985), (301, 29075), (322, 29111), (349, 29171), (365, 29207), (401, 29267), (450, 29357), (481, 29447), (489, 29471), (493, 29483), (514, 29549), (524, 29564), (537, 29588), (544, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 53

Candidate Starts for Sarshaun_17:

(Start: 53 @16107 has 300 MA's), (Start: 88 @16161 has 17 MA's), (171, 16287), (Start: 214 @16359 has 1 MA's), (295, 16512), (297, 16515), (300, 16518), (319, 16548), (370, 16605), (386, 16629), (389, 16635), (442, 16704), (450, 16722), (457, 16743), (476, 16797), (482, 16809), (506, 16872), (564, 17001), (567, 17013),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 101

Candidate Starts for Savbucketdawg_30:

(Start: 101 @24699 has 29 MA's), (163, 24804), (189, 24873), (191, 24879), (198, 24903), (208, 24918), (401, 25278), (412, 25293), (421, 25311), (468, 25413), (481, 25455), (493, 25491), (533, 25587), (557, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 26

Candidate Starts for Scarlett_21:

(Start: 26 @15263 has 217 MA's), (78, 15380), (Start: 93 @15398 has 6 MA's), (156, 15491), (178, 15539), (264, 15740), (297, 15794), (325, 15839), (332, 15860), (359, 15914), (371, 15947), (382, 15965), (469, 16118), (470, 16121), (486, 16172), (501, 16211), (555, 16328), (566, 16367), (570, 16385),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 53

Candidate Starts for Scherzo_28:

(Start: 53 @20560 has 300 MA's), (68, 20578), (109, 20635), (125, 20653), (145, 20689), (240, 20869), (255, 20905), (275, 20935), (300, 20977), (376, 21136), (440, 21280), (461, 21343), (489, 21418), (495, 21430), (503, 21454),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Schiebel_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Schmidt_19 Start: 13858, Stop: 14700, Start Num: 95

Candidate Starts for Schmidt_19:

(Start: 93 @13855 has 6 MA's), (Start: 95 @13858 has 50 MA's), (105, 13873), (112, 13879), (149, 13939), (151, 13942), (199, 14056), (206, 14068), (211, 14074), (228, 14101), (303, 14221), (329, 14272), (341, 14290), (368, 14350), (385, 14377), (403, 14410), (486, 14533), (524, 14614), (549, 14659), (552, 14668),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 95

Candidate Starts for SchottB_32:

(Start: 95 @29694 has 50 MA's), (191, 29880), (194, 29892), (198, 29904), (208, 29919), (216, 29931), (228, 29958), (242, 29973), (254, 30000), (301, 30090), (322, 30126), (349, 30186), (360, 30210), (365, 30222), (401, 30282), (450, 30372), (489, 30486), (493, 30498), (514, 30564), (524, 30579), (537, 30603), (544, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 38

Candidate Starts for Scioto_34:

(Start: 38 @29777 has 25 MA's), (89, 29852), (97, 29864), (124, 29900), (144, 29936), (190, 30038), (215, 30092), (255, 30164), (289, 30227), (294, 30236), (331, 30293), (350, 30326), (363, 30359), (364, 30362), (397, 30419), (471, 30515), (484, 30548), (487, 30557), (500, 30578), (509, 30605), (521, 30626), (529, 30635), (532, 30641), (549, 30674), (550, 30677), (566, 30731), (570, 30743),

Gene: Scorpio_24 Start: 17939, Stop: 18952, Start Num: 60

Candidate Starts for Scorpio_24:

(Start: 60 @17939 has 85 MA's), (143, 18068), (145, 18071), (166, 18110), (240, 18245), (252, 18275), (268, 18305), (275, 18311), (285, 18329), (300, 18353), (325, 18395), (495, 18809), (545, 18899),

Gene: Scuba_49 Start: 29835, Stop: 30755, Start Num: 90

Candidate Starts for Scuba_49:

(Start: 90 @29835 has 25 MA's), (148, 29916), (186, 29991), (204, 30042), (271, 30156), (385, 30363), (501, 30624), (534, 30687), (551, 30720),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 95

Candidate Starts for Sedona_34:

(Start: 95 @30954 has 50 MA's), (191, 31140), (194, 31152), (208, 31179), (301, 31350), (322, 31386), (334, 31419), (342, 31434), (349, 31446), (362, 31476), (365, 31482), (401, 31542), (450, 31632), (481, 31722), (489, 31746), (493, 31758), (514, 31824), (524, 31839), (537, 31863), (544, 31875),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 53

Candidate Starts for SemperFi_29:

(Start: 53 @19522 has 300 MA's), (109, 19597), (125, 19615), (145, 19651), (166, 19690), (275, 19897), (297, 19936), (300, 19939), (427, 20206), (461, 20308), (489, 20383), (495, 20395), (545, 20485),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 53

Candidate Starts for Sephiroth_27:

(Start: 53 @21043 has 300 MA's), (64, 21058), (238, 21349), (285, 21451), (295, 21469), (300, 21475), (386, 21586), (389, 21592), (433, 21640), (460, 21718), (461, 21721), (463, 21724), (481, 21772), (502, 21826), (518, 21868), (550, 21904), (551, 21907), (556, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 53

Candidate Starts for Serenity_26:

(Start: 53 @18134 has 300 MA's), (Start: 88 @18188 has 17 MA's), (109, 18209), (125, 18227), (166, 18302), (255, 18479), (275, 18509), (297, 18548), (300, 18551), (326, 18596), (407, 18779), (461, 18914), (489, 18989), (495, 19001),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for SgtBeansprout_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for ShaboiShabazz_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 26

Candidate Starts for Shadow1_20:

(Start: 26 @15075 has 217 MA's), (78, 15195), (140, 15285), (178, 15354), (264, 15555), (341, 15690), (342, 15693), (371, 15762), (382, 15780), (420, 15840), (438, 15861), (452, 15891), (469, 15933), (470, 15936), (471, 15939), (501, 16026), (508, 16050), (550, 16128), (555, 16143), (566, 16182), (570, 16200),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 53

Candidate Starts for Sham4_27:

(Start: 53 @19733 has 300 MA's), (Start: 88 @19790 has 17 MA's), (140, 19865), (209, 19994), (240, 20054), (268, 20114), (275, 20120), (300, 20162), (326, 20207), (327, 20213), (369, 20297), (379, 20330), (495, 20612), (499, 20621), (503, 20636), (545, 20702),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 26

Candidate Starts for Shaobing_22:

(Start: 26 @15375 has 217 MA's), (78, 15495), (140, 15585), (178, 15654), (221, 15753), (222, 15756), (264, 15855), (297, 15909), (341, 15990), (372, 16065), (382, 16080), (441, 16167), (452, 16191), (469, 16233), (470, 16236), (486, 16287), (501, 16326), (541, 16410), (550, 16428), (555, 16443), (566, 16482), (570, 16500),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 57

Candidate Starts for ShayRa_30:

(Start: 57 @18241 has 20 MA's), (140, 18355), (143, 18361), (145, 18364), (263, 18598), (407, 18865), (437, 18919), (495, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 53

Candidate Starts for SheaKeira_27:

(Start: 53 @18709 has 300 MA's), (68, 18727), (Start: 88 @18763 has 17 MA's), (109, 18784), (125, 18802), (145, 18838), (209, 18958), (240, 19018), (255, 19054), (275, 19084), (300, 19126), (372, 19276), (413, 19372), (418, 19378), (489, 19576), (495, 19588), (499, 19597), (503, 19612), (545, 19678),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 26

Candidate Starts for ShedlockHolmes_21:

(Start: 26 @16440 has 217 MA's), (78, 16563), (123, 16626), (126, 16632), (145, 16662), (207, 16800), (221, 16821), (224, 16827), (248, 16884), (264, 16923), (284, 16953), (332, 17040), (352, 17076), (438, 17223), (452, 17253), (455, 17262), (469, 17295), (470, 17298), (471, 17301), (501, 17388), (542, 17475), (564, 17538), (566, 17544),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 101

Candidate Starts for Sheng711_17:

(Start: 53 @15692 has 300 MA's), (70, 15716), (Start: 85 @15743 has 28 MA's), (Start: 88 @15746 has 17 MA's), (Start: 101 @15761 has 29 MA's), (126, 15794), (179, 15890), (255, 16025), (259, 16034), (297, 16094), (300, 16097), (345, 16175), (372, 16190), (389, 16214), (432, 16247), (442, 16283), (452, 16307), (458, 16325), (461, 16334), (476, 16376), (487, 16403), (506, 16451), (518,

16478), (564, 16562),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for ShiaSurprise_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 101

Candidate Starts for Shinji_30:

(Start: 101 @24894 has 29 MA's), (163, 24999), (189, 25068), (191, 25074), (198, 25098), (208, 25113), (401, 25473), (412, 25488), (421, 25506), (468, 25608), (481, 25650), (493, 25686), (533, 25782), (557, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 95

Candidate Starts for Shivanishola_35:

(Start: 95 @29916 has 50 MA's), (191, 30102), (194, 30114), (208, 30141), (301, 30312), (322, 30348), (334, 30381), (342, 30396), (349, 30408), (362, 30438), (365, 30444), (401, 30504), (450, 30594), (481, 30684), (489, 30708), (493, 30720), (514, 30786), (524, 30801), (537, 30825), (544, 30837),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Shuman_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (461, 16116), (469, 16134), (495, 16203), (561, 16341),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 53

Candidate Starts for Silverleaf_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 26

Candidate Starts for SirPhilip_21:

(Start: 26 @14868 has 217 MA's), (78, 14985), (156, 15096), (178, 15144), (222, 15246), (224, 15249), (264, 15345), (297, 15399), (332, 15462), (339, 15474), (371, 15549), (382, 15567), (422, 15630), (441, 15654), (453, 15681), (469, 15720), (470, 15723), (501, 15813), (542, 15900), (555, 15930), (562, 15957), (566, 15969), (570, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 95

Candidate Starts for Sitar_34:

(Start: 95 @31006 has 50 MA's), (191, 31192), (194, 31204), (208, 31231), (221, 31252), (254, 31312), (298, 31399), (301, 31402), (322, 31438), (334, 31471), (342, 31486), (349, 31498), (362, 31528), (365, 31534), (401, 31594), (450, 31684), (481, 31774), (489, 31798), (493, 31810), (514, 31876), (544, 31927), (557, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 47

Candidate Starts for Sixama_98:

(Start: 47 @58478 has 12 MA's), (59, 58493), (67, 58505), (127, 58601), (128, 58604), (141, 58625), (270, 58883), (288, 58913), (303, 58931), (311, 58940), (402, 59126), (453, 59168), (480, 59240), (484, 59243), (485, 59246), (500, 59273), (507, 59291), (516, 59312), (532, 59336), (553, 59381),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 26

Candidate Starts for Sizemore_17:

(6, 15145), (Start: 26 @15478 has 217 MA's), (78, 15598), (Start: 93 @15616 has 6 MA's), (123, 15661), (126, 15667), (163, 15730), (180, 15766), (205, 15835), (207, 15838), (221, 15859), (246, 15913), (264, 15958), (284, 15988), (339, 16090), (345, 16102), (352, 16114), (359, 16132), (438, 16297), (452, 16327), (459, 16345), (469, 16369), (509, 16489), (555, 16579), (564, 16612),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for Skinny_28:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: Sknot_28 Start: 19201, Stop: 20217, Start Num: 53

Candidate Starts for Sknot_28:

(Start: 53 @19201 has 300 MA's), (109, 19276), (125, 19294), (145, 19330), (166, 19369), (255, 19546), (275, 19576), (297, 19615), (300, 19618), (495, 20074), (503, 20098),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 90

Candidate Starts for Skysand_42:

(Start: 90 @29992 has 25 MA's), (148, 30070), (186, 30145), (245, 30253), (288, 30337), (385, 30517), (388, 30523), (482, 30739), (501, 30778), (541, 30853), (548, 30865), (551, 30874), (558, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 26

Candidate Starts for Slarp_23:

(Start: 26 @17500 has 217 MA's), (30, 17518), (Start: 61 @17590 has 2 MA's), (78, 17620), (140, 17710), (165, 17752), (177, 17776), (222, 17881), (297, 18034), (335, 18103), (339, 18109), (422, 18262), (438, 18280), (452, 18310), (469, 18352), (470, 18355), (555, 18562), (566, 18601), (570, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 72

Candidate Starts for Sleepyhead_17:

(22, 14705), (Start: 24 @14714 has 1 MA's), (Start: 72 @14846 has 1 MA's), (104, 14897), (108, 14903), (116, 14912), (153, 14972), (326, 15296), (331, 15308), (338, 15320), (342, 15326), (356, 15359), (366, 15380), (399, 15428), (454, 15494), (455, 15497), (457, 15503), (497, 15581), (502, 15596), (553, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 50

Candidate Starts for SlimJimmy_26:

(Start: 50 @21443 has 24 MA's), (119, 21545), (131, 21563), (140, 21578), (179, 21650), (182, 21659), (229, 21737), (295, 21872), (297, 21875), (300, 21878), (339, 21947), (386, 21989), (389, 21995), (470, 22136), (476, 22157), (482, 22169), (549, 22292), (553, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 26

Candidate Starts for Slimphazie_22:

(Start: 26 @16018 has 217 MA's), (78, 16135), (140, 16225), (156, 16246), (165, 16267), (178, 16294), (297, 16549), (341, 16630), (372, 16705), (382, 16720), (452, 16831), (469, 16873), (501, 16966), (508, 16990), (555, 17083), (566, 17122), (570, 17140),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 60

Candidate Starts for Smeadley_23:

(Start: 60 @17633 has 85 MA's), (140, 17756), (143, 17762), (179, 17834), (240, 17939), (251, 17966), (300, 18056), (391, 18257), (404, 18287), (407, 18290), (489, 18500), (505, 18539), (536, 18587), (545, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 53

Candidate Starts for Smeagan_29:

(Start: 53 @19679 has 300 MA's), (109, 19754), (125, 19772), (145, 19808), (166, 19847), (275, 20054), (297, 20093), (300, 20096), (347, 20183), (427, 20363), (461, 20465), (489, 20540), (495, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 53

Candidate Starts for SmellyB_30:

(Start: 53 @18966 has 300 MA's), (Start: 88 @19020 has 17 MA's), (125, 19059), (179, 19164), (255, 19311), (275, 19341), (297, 19380), (300, 19383), (326, 19428), (354, 19488), (440, 19686), (495, 19836), (499, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 101

Candidate Starts for SmokingBunny_30:

(Start: 101 @24909 has 29 MA's), (163, 25014), (189, 25083), (191, 25089), (198, 25113), (208, 25128), (401, 25488), (412, 25503), (421, 25521), (468, 25623), (481, 25665), (493, 25701), (533, 25797), (557, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 83

Candidate Starts for Smoothie_48:

(Start: 83 @28706 has 24 MA's), (Start: 88 @28712 has 17 MA's), (124, 28760), (140, 28787), (179, 28859), (202, 28925), (221, 28955), (283, 29063), (338, 29156), (351, 29180), (356, 29195), (410, 29291), (454, 29339), (532, 29519), (550, 29555),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 53

Candidate Starts for SnapTap_27:

(Start: 53 @19105 has 300 MA's), (109, 19180), (125, 19198), (145, 19234), (166, 19273), (275, 19480), (297, 19519), (300, 19522), (427, 19789), (461, 19891), (489, 19966), (495, 19978), (545, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 53

Candidate Starts for Snape_27:

(Start: 53 @19733 has 300 MA's), (Start: 88 @19790 has 17 MA's), (140, 19865), (209, 19994), (240, 20054), (268, 20114), (275, 20120), (300, 20162), (326, 20207), (327, 20213), (369, 20297), (379, 20330), (495, 20612), (499, 20621), (503, 20636), (545, 20702),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 26

Candidate Starts for Sneeze_17:

(4, 15082), (6, 15142), (Start: 26 @15478 has 217 MA's), (78, 15604), (Start: 93 @15622 has 6 MA's), (123, 15667), (126, 15673), (163, 15736), (180, 15772), (205, 15841), (207, 15844), (221, 15865), (246, 15919), (284, 15994), (339, 16096), (345, 16108), (438, 16303), (452, 16333), (459, 16351), (469, 16375), (503, 16477), (509, 16495), (555, 16585), (564, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 53

Candidate Starts for Snenia_18:

(Start: 53 @16491 has 300 MA's), (70, 16515), (Start: 101 @16560 has 29 MA's), (109, 16575), (126, 16596), (179, 16692), (255, 16827), (259, 16836), (297, 16896), (300, 16899), (305, 16905), (345, 16977), (386, 17010), (391, 17022), (442, 17085), (463, 17139), (471, 17160), (489, 17211), (506, 17253), (564, 17364), (565, 17367),

Gene: SoJulia_17 Start: 16073, Stop: 16987, Start Num: 53

Candidate Starts for SoJulia_17:

(Start: 53 @16073 has 300 MA's), (70, 16097), (Start: 88 @16127 has 17 MA's), (171, 16253), (Start: 214 @16325 has 1 MA's), (295, 16478), (297, 16481), (300, 16484), (319, 16514), (370, 16571), (386, 16595), (389, 16601), (442, 16670), (450, 16688), (457, 16709), (482, 16775), (506, 16838), (564, 16967), (567, 16979),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 29

Candidate Starts for SoSeph_20:

(Start: 29 @16471 has 26 MA's), (123, 16645), (163, 16711), (165, 16714), (178, 16741), (221, 16840), (264, 16942), (297, 16996), (317, 17026), (332, 17062), (334, 17065), (339, 17074), (371, 17149), (372, 17152), (398, 17188), (422, 17230), (438, 17248), (441, 17254), (452, 17278), (453, 17281), (455, 17287), (469, 17320), (555, 17530), (566, 17569), (570, 17587),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 53

Candidate Starts for Soap141_17:

(Start: 53 @16107 has 300 MA's), (Start: 88 @16161 has 17 MA's), (171, 16287), (Start: 214 @16359 has 1 MA's), (295, 16512), (297, 16515), (300, 16518), (319, 16548), (370, 16605), (386, 16629), (389, 16635), (442, 16704), (450, 16722), (457, 16743), (476, 16797), (482, 16809), (506, 16872), (564, 17001), (567, 17013),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 53

Candidate Starts for SororFago_26:

(Start: 53 @18177 has 300 MA's), (68, 18195), (Start: 88 @18231 has 17 MA's), (109, 18252), (125, 18270), (184, 18390), (255, 18522), (275, 18552), (297, 18591), (300, 18594), (396, 18804), (413, 18840), (440, 18906), (495, 19056), (503, 19080),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 57

Candidate Starts for Soups_29:

(Start: 57 @18241 has 20 MA's), (140, 18355), (143, 18361), (145, 18364), (263, 18598), (407, 18865), (437, 18919), (495, 19075),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 35

Candidate Starts for Sparky_15:

(Start: 35 @15127 has 4 MA's), (39, 15136), (Start: 56 @15166 has 14 MA's), (Start: 102 @15235 has 1 MA's), (115, 15256), (182, 15376), (186, 15385), (225, 15472), (255, 15538), (300, 15625), (305, 15631), (370, 15715), (386, 15739), (387, 15742), (489, 15940), (495, 15952), (508, 15991), (530, 16018), (536, 16033), (567, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 83

Candidate Starts for SpeedDemon_310:

(Start: 83 @28038 has 24 MA's), (103, 28059), (140, 28113), (179, 28185), (182, 28194), (246, 28314), (269, 28365), (274, 28374), (296, 28410), (338, 28482), (342, 28488), (410, 28617), (454, 28665), (481, 28740), (501, 28788),

Gene: Splinter_21 Start: 15645, Stop: 16475, Start Num: 95

Candidate Starts for Splinter_21:

(Start: 93 @15642 has 6 MA's), (Start: 95 @15645 has 50 MA's), (112, 15660), (137, 15699), (149, 15720), (151, 15723), (219, 15867), (329, 16053), (363, 16122), (443, 16224), (485, 16305), (486, 16308), (524, 16389), (529, 16395), (534, 16407), (535, 16410), (549, 16434),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Spock_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 53

Candidate Starts for Spouty_28:

(Start: 53 @20557 has 300 MA's), (68, 20575), (109, 20632), (125, 20650), (145, 20686), (240, 20866), (255, 20902), (275, 20932), (300, 20974), (376, 21133), (440, 21277), (461, 21340), (489, 21415), (495, 21427), (503, 21451),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for StCroix_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 90

Candidate Starts for StarStruck_41:

(Start: 90 @29510 has 25 MA's), (148, 29597), (170, 29633), (186, 29672), (385, 30041), (454, 30185), (501, 30302), (551, 30398), (553, 30404), (558, 30419),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for StarStuff_30:

(Start: 53 @19042 has 300 MA's), (Start: 88 @19096 has 17 MA's), (109, 19117), (125, 19135), (219, 19306), (252, 19381), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 26

Candidate Starts for Stargaze_17:

(Start: 26 @15800 has 217 MA's), (Start: 93 @15944 has 6 MA's), (126, 15995), (165, 16061), (167, 16064), (205, 16163), (207, 16166), (222, 16190), (241, 16235), (246, 16241), (345, 16430), (370, 16490), (430, 16598), (434, 16610), (452, 16655), (469, 16697), (539, 16871), (541, 16874), (550, 16892), (562, 16934), (564, 16940),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 53

Candidate Starts for Steamy_28:

(Start: 53 @20226 has 300 MA's), (109, 20301), (125, 20319), (145, 20355), (166, 20394), (179, 20424), (275, 20601), (300, 20643), (347, 20730), (456, 20997), (495, 21099),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 60

Candidate Starts for Stephig9_23:

(Start: 60 @17614 has 85 MA's), (140, 17737), (143, 17743), (179, 17815), (240, 17920), (252, 17950), (300, 18037), (362, 18157), (391, 18238), (404, 18268), (407, 18271), (456, 18391), (489, 18481), (505, 18520), (536, 18568), (545, 18583),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 82

Candidate Starts for Stickynote_32:

(Start: 82 @27883 has 8 MA's), (Start: 102 @27907 has 1 MA's), (130, 27952), (163, 28012), (181, 28051), (224, 28147), (321, 28309), (336, 28342), (385, 28417), (395, 28441), (461, 28516), (484, 28582), (501, 28618), (546, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 26

Candidate Starts for Stinson_22:

(Start: 26 @15984 has 217 MA's), (78, 16101), (156, 16212), (165, 16233), (178, 16260), (222, 16362), (297, 16515), (341, 16596), (372, 16671), (382, 16686), (452, 16797), (469, 16839), (501, 16932), (508, 16956), (555, 17049), (566, 17088), (570, 17106),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 95

Candidate Starts for StorminNorm_33:

(Start: 95 @28561 has 50 MA's), (191, 28747), (194, 28759), (198, 28771), (208, 28786), (216, 28798), (228, 28825), (242, 28840), (254, 28867), (301, 28957), (322, 28993), (349, 29053), (360, 29077), (365, 29089), (401, 29149), (450, 29239), (489, 29353), (493, 29365), (514, 29431), (524, 29446), (537, 29470), (544, 29482),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 28

Candidate Starts for Strobilo_18:

(Start: 28 @13892 has 10 MA's), (30, 13901), (78, 14003), (140, 14093), (165, 14135), (167, 14138), (178, 14162), (221, 14261), (248, 14324), (264, 14363), (297, 14417), (332, 14483), (339, 14495), (362, 14546), (371, 14570), (422, 14648), (438, 14666), (452, 14696), (455, 14705), (469, 14738), (470, 14741), (508, 14855), (550, 14933), (555, 14948), (566, 14987), (570, 15005),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 57

Candidate Starts for Strosahl_29:

(Start: 57 @18083 has 20 MA's), (140, 18197), (143, 18203), (145, 18206), (263, 18440), (407, 18707), (437, 18761), (495, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 95

Candidate Starts for Stultus_32:

(Start: 95 @28933 has 50 MA's), (191, 29119), (194, 29131), (208, 29158), (221, 29179), (254, 29239), (298, 29326), (301, 29329), (322, 29365), (334, 29398), (342, 29413), (349, 29425), (362, 29455), (365, 29461), (401, 29521), (450, 29611), (481, 29701), (489, 29725), (493, 29737), (514, 29803), (537, 29842), (544, 29854), (557, 29884),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 96

Candidate Starts for Sukkupi_42:

(Start: 96 @28532 has 8 MA's), (148, 28613), (173, 28658), (196, 28727), (296, 28895), (344, 28979), (367, 29030), (388, 29063), (474, 29261), (482, 29279), (501, 29321), (549, 29411), (551, 29417), (558, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 26

Candidate Starts for Sulley_22:

(Start: 26 @15984 has 217 MA's), (78, 16101), (140, 16191), (156, 16212), (165, 16233), (178, 16260), (297, 16515), (341, 16596), (372, 16671), (382, 16686), (452, 16797), (469, 16839), (501, 16932), (508, 16956), (555, 17049), (566, 17088), (570, 17106),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 26

Candidate Starts for Sunflower1121_20:

(Start: 26 @15087 has 217 MA's), (78, 15207), (140, 15297), (178, 15366), (264, 15567), (341, 15702), (342, 15705), (371, 15774), (382, 15792), (420, 15852), (438, 15873), (452, 15903), (469, 15945), (470, 15948), (471, 15951), (501, 16038), (508, 16062), (550, 16140), (555, 16155), (566, 16194), (570, 16212),

Gene: Sunhee_25 Start: 18210, Stop: 19235, Start Num: 51

Candidate Starts for Sunhee_25:

(Start: 51 @18210 has 1 MA's), (125, 18306), (145, 18342), (146, 18345), (240, 18522), (255, 18558), (275, 18588), (300, 18630), (326, 18675), (354, 18735), (413, 18876), (418, 18882), (495, 19092), (503, 19116), (545, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 53

Candidate Starts for SuperAwesome_30:

(Start: 53 @18959 has 300 MA's), (Start: 88 @19013 has 17 MA's), (125, 19052), (179, 19157), (255, 19304), (275, 19334), (297, 19373), (300, 19376), (326, 19421), (354, 19481), (440, 19679), (495, 19829), (499, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 53

Candidate Starts for SuperCallie99_30:

(Start: 53 @18958 has 300 MA's), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (255, 19303), (275, 19333), (297, 19372), (300, 19375), (326, 19420), (354, 19480), (440, 19678), (495, 19828), (499, 19837),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 91

Candidate Starts for SuperSulley_41:

(Start: 91 @29704 has 6 MA's), (148, 29785), (170, 29821), (204, 29911), (245, 29968), (367, 30202), (385, 30229), (410, 30280), (454, 30373), (501, 30490), (551, 30586), (553, 30592), (558, 30607),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 53

Candidate Starts for Superchunk_26:

(Start: 53 @17822 has 300 MA's), (124, 17915), (129, 17930), (145, 17957), (275, 18203), (297, 18242), (300, 18245), (326, 18290), (369, 18380), (407, 18473), (427, 18506), (461, 18608), (481, 18659), (489, 18683), (495, 18695), (503, 18719), (545, 18785),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for Swann_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 53

Candidate Starts for SweetiePie_27:

(Start: 53 @19105 has 300 MA's), (109, 19180), (125, 19198), (145, 19234), (166, 19273), (275, 19480), (297, 19519), (300, 19522), (427, 19789), (461, 19891), (489, 19966), (495, 19978), (545, 20068),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 26

Candidate Starts for Sweets_17:

(6, 15139), (Start: 26 @15472 has 217 MA's), (78, 15592), (Start: 93 @15610 has 6 MA's), (123, 15655), (126, 15661), (163, 15724), (180, 15760), (205, 15829), (207, 15832), (221, 15853), (246, 15907), (264, 15952), (284, 15982), (339, 16084), (345, 16096), (352, 16108), (359, 16126), (438, 16291), (452, 16321), (459, 16339), (469, 16363), (509, 16483), (555, 16573), (564, 16606),

Gene: SwirlSquare_29 Start: 17991, Stop: 19001, Start Num: 53

Candidate Starts for SwirlSquare_29:

(Start: 53 @17991 has 300 MA's), (109, 18066), (125, 18084), (275, 18366), (297, 18405), (300, 18408), (369, 18543), (407, 18636), (489, 18846), (495, 18858), (503, 18882), (545, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 60

Candidate Starts for Swirley_23:

(Start: 60 @18624 has 85 MA's), (125, 18720), (143, 18753), (145, 18756), (166, 18795), (240, 18930), (268, 18990), (275, 18996), (285, 19014), (300, 19038), (325, 19080), (456, 19392), (495, 19494), (545, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 57

Candidate Starts for Switzerland_29:

(Start: 57 @18234 has 20 MA's), (140, 18348), (143, 18354), (145, 18357), (263, 18591), (407, 18858), (437, 18912), (495, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 60

Candidate Starts for SydNat_23:

(Start: 60 @18826 has 85 MA's), (125, 18922), (143, 18955), (145, 18958), (166, 18997), (186, 19045), (275, 19198), (285, 19216), (300, 19240), (325, 19282), (456, 19594), (495, 19696), (505, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 53

Candidate Starts for Syleon_27:

(Start: 53 @20965 has 300 MA's), (64, 20980), (238, 21271), (285, 21373), (295, 21391), (300, 21397), (386, 21508), (389, 21514), (433, 21562), (460, 21640), (461, 21643), (463, 21646), (481, 21694), (502, 21748), (518, 21790), (550, 21826), (551, 21829), (556, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 26

Candidate Starts for Syra333_21:

(Start: 26 @15182 has 217 MA's), (78, 15302), (140, 15392), (178, 15461), (264, 15662), (297, 15716), (371, 15869), (382, 15887), (438, 15968), (455, 16007), (469, 16040), (501, 16133), (508, 16157), (550, 16235), (555, 16250), (566, 16289), (570, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 26

Candidate Starts for TBond007_21:

(Start: 26 @16221 has 217 MA's), (78, 16344), (123, 16407), (126, 16413), (145, 16443), (165, 16476), (207, 16581), (221, 16602), (224, 16608), (248, 16665), (284, 16734), (332, 16821), (352, 16857), (438, 17004), (452, 17034), (455, 17043), (469, 17076), (470, 17079), (471, 17082), (501, 17169), (542, 17256), (564, 17319), (566, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 26

Candidate Starts for TClif_21:

(Start: 26 @15218 has 217 MA's), (78, 15335), (123, 15398), (178, 15494), (221, 15593), (222, 15596), (264, 15695), (371, 15902), (372, 15905), (422, 15983), (469, 16073), (471, 16079), (501, 16166), (555, 16283), (562, 16310), (566, 16322), (570, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 28

Candidate Starts for TM4_18:

(Start: 28 @13970 has 10 MA's), (30, 13979), (78, 14081), (140, 14171), (165, 14213), (167, 14216), (178, 14240), (221, 14339), (248, 14402), (264, 14441), (297, 14495), (332, 14561), (339, 14573), (362, 14624), (371, 14648), (422, 14726), (438, 14744), (452, 14774), (469, 14816), (470, 14819), (508, 14933), (550, 15011), (555, 15026), (566, 15065), (570, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 40

Candidate Starts for TPA4_18:

(11, 16287), (Start: 40 @16629 has 1 MA's), (Start: 93 @16710 has 6 MA's), (123, 16755), (237, 16986), (297, 17121), (335, 17193), (339, 17199), (357, 17238), (452, 17400), (467, 17433), (494, 17511), (550, 17637), (564, 17685), (566, 17691),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for TWAMP_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (240, 15786), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: TZGordon_23 Start: 15781, Stop: 16614, Start Num: 93

Candidate Starts for TZGordon_23:

(Start: 93 @15781 has 6 MA's), (Start: 95 @15784 has 50 MA's), (112, 15799), (137, 15838), (149, 15859), (151, 15862), (219, 16006), (329, 16192), (376, 16279), (443, 16363), (485, 16444), (524, 16528), (529, 16534), (534, 16546), (535, 16549), (549, 16573),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 26

Candidate Starts for Tachez_22:

(Start: 26 @15980 has 217 MA's), (78, 16097), (140, 16187), (156, 16208), (165, 16229), (178, 16256), (297, 16511), (341, 16592), (372, 16667), (382, 16682), (452, 16793), (469, 16835), (501, 16928), (508, 16952), (555, 17045), (566, 17084), (570, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 26

Candidate Starts for Taheera_17:

(4, 15095), (6, 15155), (Start: 26 @15491 has 217 MA's), (78, 15614), (Start: 93 @15632 has 6 MA's), (123, 15677), (126, 15683), (163, 15746), (180, 15782), (205, 15851), (207, 15854), (221, 15875), (246, 15929), (284, 16004), (339, 16106), (345, 16118), (438, 16313), (452, 16343), (459, 16361), (469, 16385), (503, 16487), (509, 16505), (555, 16595), (564, 16628),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 26

Candidate Starts for TaiwanKao_23:

(Start: 26 @15991 has 217 MA's), (78, 16108), (140, 16198), (156, 16219), (165, 16240), (178, 16267), (297, 16522), (341, 16603), (372, 16678), (382, 16693), (452, 16804), (469, 16846), (501, 16939), (505, 16951), (508, 16963), (555, 17056), (566, 17095), (570, 17113),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 60

Candidate Starts for Takoda_22:

(Start: 60 @15440 has 85 MA's), (Start: 81 @15479 has 6 MA's), (143, 15566), (178, 15635), (225, 15713), (300, 15851), (373, 15947), (461, 16076), (469, 16094), (495, 16163), (561, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 95

Candidate Starts for Tangent_34:

(Start: 95 @29370 has 50 MA's), (191, 29556), (194, 29568), (208, 29595), (221, 29616), (254, 29676), (298, 29763), (301, 29766), (322, 29802), (334, 29835), (342, 29850), (349, 29862), (362, 29892), (365, 29898), (401, 29958), (450, 30048), (481, 30138), (489, 30162), (493, 30174), (514, 30240), (537, 30279), (544, 30291), (557, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 95

Candidate Starts for Tangerine_33:

(Start: 95 @28564 has 50 MA's), (177, 28705), (191, 28750), (194, 28762), (198, 28774), (208, 28789), (216, 28801), (228, 28828), (242, 28843), (254, 28870), (301, 28960), (322, 28996), (349, 29056), (365, 29092), (401, 29152), (450, 29242), (481, 29332), (489, 29356), (493, 29368), (514, 29434), (524, 29449), (537, 29473), (544, 29485),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 26

Candidate Starts for Taquito_21:

(Start: 26 @17109 has 217 MA's), (30, 17127), (Start: 61 @17199 has 2 MA's), (78, 17229), (140, 17319), (165, 17361), (177, 17385), (222, 17490), (297, 17643), (335, 17712), (339, 17718), (422,

17871), (438, 17889), (452, 17919), (469, 17961), (470, 17964), (550, 18156), (555, 18171), (566, 18210), (570, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 38

Candidate Starts for Tardus_35:

(Start: 38 @29129 has 25 MA's), (79, 29201), (97, 29225), (124, 29261), (144, 29297), (215, 29453), (255, 29525), (289, 29588), (294, 29597), (331, 29654), (350, 29687), (363, 29720), (364, 29723), (471, 29876), (484, 29909), (487, 29918), (500, 29939), (509, 29966), (521, 29987), (529, 29996), (532, 30002), (549, 30035), (550, 30038), (566, 30092), (570, 30104),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 53

Candidate Starts for TarsusIV_27:

(Start: 53 @19201 has 300 MA's), (109, 19276), (125, 19294), (145, 19330), (166, 19369), (240, 19510), (275, 19576), (297, 19615), (300, 19618), (407, 19846), (461, 19981), (495, 20068), (503, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 60

Candidate Starts for Tarynearal_22:

(Start: 60 @18646 has 85 MA's), (125, 18742), (143, 18775), (145, 18778), (166, 18817), (240, 18952), (268, 19012), (275, 19018), (285, 19036), (300, 19060), (325, 19102), (456, 19414), (495, 19516), (545, 19606),

Gene: Tarzan_17 Start: 14116, Stop: 14958, Start Num: 56

Candidate Starts for Tarzan_17:

(8, 13660), (10, 13738), (16, 13936), (Start: 35 @14077 has 4 MA's), (Start: 56 @14116 has 14 MA's), (Start: 101 @14185 has 29 MA's), (123, 14215), (131, 14236), (150, 14269), (171, 14311), (172, 14314), (255, 14455), (300, 14521), (394, 14653), (452, 14728), (478, 14782), (495, 14824), (522, 14890), (549, 14929),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Teejan_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: Temprado_31 Start: 18964, Stop: 19980, Start Num: 53

Candidate Starts for Temprado_31:

(Start: 53 @18964 has 300 MA's), (Start: 88 @19018 has 17 MA's), (125, 19057), (179, 19162), (255, 19309), (275, 19339), (297, 19378), (300, 19381), (347, 19468), (354, 19489), (407, 19615), (440, 19687), (495, 19837), (499, 19846), (545, 19927),

Gene: Terrific_31 Start: 19655, Stop: 20671, Start Num: 53

Candidate Starts for Terrific_31:

(Start: 53 @19655 has 300 MA's), (109, 19730), (125, 19748), (145, 19784), (166, 19823), (255, 20000), (275, 20030), (297, 20069), (300, 20072), (495, 20528), (503, 20552),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 26

Candidate Starts for Terror_17:

(4, 15095), (6, 15155), (Start: 26 @15491 has 217 MA's), (78, 15614), (Start: 93 @15632 has 6 MA's), (123, 15677), (126, 15683), (163, 15746), (180, 15782), (205, 15851), (207, 15854), (221, 15875), (246, 15929), (284, 16004), (339, 16106), (345, 16118), (438, 16313), (452, 16343), (459, 16361), (469, 16385), (503, 16487), (509, 16505), (555, 16595), (564, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 53

Candidate Starts for Tesla_48:

(Start: 53 @26061 has 300 MA's), (140, 26193), (155, 26217), (161, 26226), (164, 26232), (168, 26241), (179, 26265), (182, 26274), (187, 26286), (251, 26412), (290, 26493), (300, 26508), (305, 26514), (386, 26622), (461, 26748), (464, 26754), (492, 26829), (528, 26904), (531, 26910), (538, 26922), (540, 26925), (568, 27012), (569, 27015), (571, 27018),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 60

Candidate Starts for Theia_21:

(Start: 60 @18584 has 85 MA's), (125, 18680), (143, 18713), (145, 18716), (240, 18890), (268, 18950), (275, 18956), (285, 18974), (300, 18998), (325, 19040), (456, 19352), (495, 19454), (505, 19481), (545, 19544),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 95

Candidate Starts for Thing3_33:

(Start: 95 @29854 has 50 MA's), (191, 30040), (194, 30052), (208, 30079), (221, 30100), (254, 30160), (298, 30247), (301, 30250), (322, 30286), (334, 30319), (342, 30334), (349, 30346), (362, 30376), (365, 30382), (401, 30442), (450, 30532), (481, 30622), (489, 30646), (493, 30658), (514, 30724), (524, 30739), (537, 30763), (544, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 29

Candidate Starts for Thyatira_20:

(Start: 29 @16323 has 26 MA's), (165, 16566), (178, 16593), (221, 16692), (264, 16794), (297, 16848), (317, 16878), (332, 16914), (334, 16917), (339, 16926), (371, 17001), (372, 17004), (398, 17040), (422, 17082), (438, 17100), (441, 17106), (452, 17130), (453, 17133), (455, 17139), (469, 17172), (555, 17382), (566, 17421), (570, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 38

Candidate Starts for Tiamoceli_32:

(Start: 38 @27405 has 25 MA's), (Start: 49 @27417 has 1 MA's), (67, 27444), (97, 27492), (100, 27495), (134, 27546), (177, 27624), (215, 27720), (255, 27792), (331, 27921), (350, 27954), (364, 27990), (484, 28176), (500, 28206), (509, 28233), (532, 28269), (549, 28302), (570, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 26

Candidate Starts for Tierra_21:

(Start: 26 @15908 has 217 MA's), (78, 16028), (140, 16118), (178, 16187), (264, 16388), (382, 16613), (420, 16673), (438, 16694), (469, 16766), (470, 16769), (471, 16772), (501, 16859), (508, 16883), (550, 16961), (555, 16976), (566, 17015), (570, 17033),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 60

Candidate Starts for Tiger_23:

(Start: 60 @18468 has 85 MA's), (125, 18564), (143, 18597), (145, 18600), (240, 18774), (268, 18834), (275, 18840), (285, 18858), (300, 18882), (325, 18924), (456, 19236), (495, 19338), (545, 19428),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 101

Candidate Starts for TillyBobJoe_30:

(Start: 101 @24720 has 29 MA's), (163, 24816), (189, 24885), (191, 24891), (198, 24915), (208, 24930), (219, 24948), (322, 25140), (361, 25218), (392, 25263), (401, 25287), (433, 25326), (468, 25422), (481, 25464), (493, 25500), (504, 25530), (519, 25575), (533, 25596), (557, 25647),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 53

Candidate Starts for Timothy_27:

(Start: 53 @19730 has 300 MA's), (Start: 88 @19787 has 17 MA's), (140, 19862), (209, 19991), (240, 20051), (268, 20111), (275, 20117), (300, 20159), (326, 20204), (327, 20210), (369, 20294), (379, 20327), (495, 20609), (499, 20618), (503, 20633), (545, 20699),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 26

Candidate Starts for TinaBug_17:

(6, 15139), (Start: 26 @15472 has 217 MA's), (78, 15592), (Start: 93 @15610 has 6 MA's), (123, 15655), (126, 15661), (163, 15724), (180, 15760), (205, 15829), (207, 15832), (221, 15853), (246, 15907), (264, 15952), (284, 15982), (339, 16084), (345, 16096), (352, 16108), (359, 16126), (438, 16291), (452, 16321), (459, 16339), (469, 16363), (509, 16483), (555, 16573), (564, 16606),

Gene: TinaLin_24 Start: 16616, Stop: 17446, Start Num: 95

Candidate Starts for TinaLin_24:

(Start: 93 @16613 has 6 MA's), (Start: 95 @16616 has 50 MA's), (112, 16631), (132, 16661), (137, 16670), (151, 16694), (199, 16808), (203, 16814), (211, 16826), (219, 16838), (276, 16937), (329, 17024), (343, 17048), (392, 17132), (403, 17156), (406, 17159), (443, 17195), (485, 17276), (510, 17342), (529, 17366), (534, 17378), (535, 17381),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 26

Candidate Starts for TingHuaYa_22:

(Start: 26 @15317 has 217 MA's), (78, 15434), (156, 15545), (178, 15593), (222, 15695), (297, 15848), (341, 15929), (372, 16004), (382, 16019), (452, 16130), (469, 16172), (501, 16265), (508, 16289), (555, 16382), (566, 16421), (570, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 26

Candidate Starts for TiniBug_22:

(Start: 26 @15962 has 217 MA's), (78, 16079), (140, 16169), (156, 16190), (165, 16211), (178, 16238), (264, 16439), (297, 16493), (302, 16499), (341, 16574), (372, 16649), (382, 16664), (469, 16817), (501, 16910), (508, 16934), (555, 17027), (566, 17066), (570, 17084),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 53

Candidate Starts for TinyTimmy_27:

(Start: 53 @19773 has 300 MA's), (Start: 88 @19830 has 17 MA's), (140, 19905), (209, 20034), (240, 20094), (268, 20154), (275, 20160), (300, 20202), (326, 20247), (327, 20253), (369, 20337), (379, 20370), (495, 20652), (499, 20661), (503, 20676), (545, 20742),

Gene: TipsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 53

Candidate Starts for TipsytheTRex_26:

(Start: 53 @18299 has 300 MA's), (Start: 88 @18353 has 17 MA's), (109, 18374), (125, 18392), (275, 18674), (297, 18713), (300, 18716), (326, 18761), (369, 18851), (407, 18944), (461, 19079), (495, 19166),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 26

Candidate Starts for Tiri_22:

(Start: 26 @16023 has 217 MA's), (78, 16140), (140, 16230), (156, 16251), (165, 16272), (178, 16299), (297, 16554), (341, 16635), (372, 16710), (382, 16725), (452, 16836), (469, 16878), (501, 16971), (508, 16995), (555, 17088), (566, 17127), (570, 17145),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 53

Candidate Starts for Toaka_26:

(Start: 53 @18892 has 300 MA's), (66, 18907), (68, 18910), (125, 18985), (179, 19090), (240, 19201), (255, 19237), (275, 19267), (300, 19309), (372, 19459), (413, 19555), (418, 19561), (489, 19759), (495, 19771), (499, 19780), (503, 19795),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 83

Candidate Starts for Toast_18:

(Start: 83 @15883 has 24 MA's), (Start: 102 @15898 has 1 MA's), (122, 15928), (136, 15949), (182, 16039), (218, 16120), (338, 16324), (341, 16327), (461, 16522), (501, 16612), (520, 16654), (549, 16702), (551, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 101

Candidate Starts for Togo_30:

(Start: 101 @24909 has 29 MA's), (163, 25014), (189, 25083), (191, 25089), (198, 25113), (208, 25128), (401, 25488), (412, 25503), (421, 25521), (468, 25623), (481, 25665), (493, 25701), (533, 25797), (557, 25848),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 26

Candidate Starts for TomBrady_17:

(6, 15145), (Start: 26 @15478 has 217 MA's), (78, 15598), (Start: 93 @15616 has 6 MA's), (123, 15661), (126, 15667), (163, 15730), (180, 15766), (205, 15835), (207, 15838), (221, 15859), (246, 15913), (264, 15958), (284, 15988), (339, 16090), (345, 16102), (352, 16114), (359, 16132), (438, 16297), (452, 16327), (459, 16345), (469, 16369), (509, 16489), (555, 16579), (564, 16612),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for Tomathan_30:

(Start: 53 @19042 has 300 MA's), (Start: 88 @19096 has 17 MA's), (109, 19117), (125, 19135), (219, 19306), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 53

Candidate Starts for ToneTone_28:

(Start: 53 @18890 has 300 MA's), (68, 18908), (Start: 88 @18944 has 17 MA's), (125, 18983), (179, 19088), (275, 19265), (297, 19304), (300, 19307), (347, 19394), (354, 19415), (407, 19541), (440, 19613), (495, 19763), (499, 19772), (545, 19853),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 88

Candidate Starts for Toniann_47:

(Start: 88 @28657 has 17 MA's), (124, 28705), (140, 28732), (179, 28804), (202, 28870), (221, 28900), (283, 29008), (338, 29101), (351, 29125), (356, 29140), (410, 29236), (454, 29284), (532, 29464), (550, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Topper_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 26

Candidate Starts for Torres_18:

(Start: 26 @15554 has 217 MA's), (78, 15677), (140, 15767), (178, 15836), (221, 15935), (222, 15938), (264, 16037), (341, 16172), (452, 16373), (469, 16415), (470, 16418), (501, 16508), (508, 16532), (555, 16625), (566, 16664), (570, 16682),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 44

Candidate Starts for TouchMeNot_18:

(Start: 44 @16550 has 4 MA's), (Start: 46 @16553 has 1 MA's), (Start: 101 @16637 has 29 MA's), (179, 16775), (370, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 53

Candidate Starts for Tourach_17:

(Start: 53 @16072 has 300 MA's), (70, 16096), (Start: 88 @16126 has 17 MA's), (145, 16207), (171, 16252), (295, 16477), (297, 16480), (300, 16483), (370, 16570), (386, 16594), (389, 16600), (442, 16669), (450, 16687), (457, 16708), (476, 16762), (482, 16774), (506, 16837), (564, 16966), (567, 16978),

Gene: Towmatter_28 Start: 24381, Stop: 25262, Start Num: 83

Candidate Starts for Towmatter_28:

(Start: 83 @24381 has 24 MA's), (140, 24456), (175, 24519), (179, 24528), (182, 24537), (246, 24657), (274, 24717), (338, 24825), (410, 24960), (454, 25008), (481, 25083), (501, 25131), (526, 25179), (532, 25188),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 90

Candidate Starts for Tracker_40:

(Start: 90 @28657 has 25 MA's), (148, 28744), (186, 28819), (213, 28885), (245, 28927), (271, 28984), (388, 29197), (399, 29224), (454, 29335), (501, 29467), (551, 29563),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 53

Candidate Starts for Travvers_30:

(Start: 53 @19042 has 300 MA's), (Start: 88 @19096 has 17 MA's), (109, 19117), (125, 19135), (219, 19306), (275, 19417), (297, 19456), (300, 19459), (326, 19504), (461, 19822), (489, 19897), (495, 19909), (503, 19933), (545, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 53

Candidate Starts for Trax_27:

(Start: 44 @22683 has 4 MA's), (Start: 53 @22698 has 300 MA's), (Start: 88 @22755 has 17 MA's), (109, 22785), (179, 22899), (224, 22974), (239, 23007), (255, 23043), (295, 23124), (297, 23127), (315, 23154), (319, 23160), (334, 23187), (389, 23247), (391, 23253), (461, 23376), (463, 23379), (471, 23400), (482, 23430), (485, 23439), (501, 23478), (502, 23481), (518, 23523), (536, 23538), (540, 23544), (551, 23562), (556, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 26

Candidate Starts for TreyKay_22:

(Start: 26 @15985 has 217 MA's), (78, 16102), (140, 16192), (156, 16213), (165, 16234), (178, 16261), (297, 16516), (341, 16597), (372, 16672), (382, 16687), (452, 16798), (469, 16840), (501, 16933), (508, 16957), (555, 17050), (566, 17089), (570, 17107),

Gene: TriFive_18 Start: 16490, Stop: 17380, Start Num: 53

Candidate Starts for TriFive_18:

(Start: 53 @16490 has 300 MA's), (70, 16514), (Start: 101 @16559 has 29 MA's), (109, 16574), (126, 16595), (179, 16691), (255, 16826), (259, 16835), (297, 16895), (300, 16898), (305, 16904), (345, 16976), (386, 17009), (391, 17021), (442, 17084), (463, 17138), (471, 17159), (489, 17210), (506, 17252), (564, 17363), (565, 17366),

Gene: TribelTrouble_20 Start: 16264, Stop: 17403, Start Num: 26

Candidate Starts for TribelTrouble_20:

(Start: 26 @16264 has 217 MA's), (78, 16390), (123, 16453), (126, 16459), (145, 16489), (165, 16522), (207, 16627), (221, 16648), (264, 16750), (284, 16780), (314, 16825), (352, 16903), (438, 17050), (452, 17080), (455, 17089), (469, 17122), (470, 17125), (471, 17128), (501, 17215), (542, 17302),

(553, 17326), (555, 17332), (564, 17365), (566, 17371),

Gene: Trine_17 Start: 13911, Stop: 14768, Start Num: 56

Candidate Starts for Trine_17:

(Start: 56 @13911 has 14 MA's), (Start: 101 @13980 has 29 MA's), (109, 13995), (172, 14109), (234, 14214), (291, 14307), (300, 14319), (386, 14421), (452, 14523), (459, 14544), (489, 14622), (491, 14625), (495, 14634), (499, 14643), (500, 14646), (515, 14685), (549, 14736),

Gene: Tristan_28 Start: 20795, Stop: 21811, Start Num: 53

Candidate Starts for Tristan_28:

(Start: 53 @20795 has 300 MA's), (109, 20870), (125, 20888), (166, 20963), (240, 21104), (275, 21170), (300, 21212), (348, 21302), (362, 21338), (369, 21353), (427, 21479), (456, 21566), (495, 21668), (503, 21692),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 53

Candidate Starts for Trixie_30:

(Start: 53 @20845 has 300 MA's), (68, 20863), (109, 20920), (125, 20938), (145, 20974), (166, 21013), (240, 21154), (275, 21220), (297, 21259), (300, 21262), (326, 21307), (354, 21367), (372, 21412), (407, 21493), (427, 21526), (495, 21715), (499, 21724), (549, 21808),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 53

Candidate Starts for Trooper_27:

(Start: 53 @19001 has 300 MA's), (109, 19076), (125, 19094), (145, 19130), (166, 19169), (240, 19310), (275, 19376), (297, 19415), (300, 19418), (407, 19646), (461, 19781), (495, 19868), (503, 19892), (545, 19958),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 26

Candidate Starts for TruffulaTree_22:

(Start: 26 @16014 has 217 MA's), (78, 16131), (140, 16221), (156, 16242), (165, 16263), (178, 16290), (297, 16545), (341, 16626), (372, 16701), (382, 16716), (452, 16827), (469, 16869), (501, 16962), (508, 16986), (555, 17079), (566, 17118), (570, 17136),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 53

Candidate Starts for Tubs_28:

(Start: 53 @20527 has 300 MA's), (68, 20545), (109, 20602), (125, 20620), (145, 20656), (240, 20836), (255, 20872), (275, 20902), (300, 20944), (376, 21103), (440, 21247), (461, 21310), (489, 21385), (495, 21397), (503, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 53

Candidate Starts for Tucker_30:

(Start: 53 @18976 has 300 MA's), (68, 18994), (Start: 88 @19030 has 17 MA's), (125, 19069), (179, 19174), (275, 19351), (297, 19390), (300, 19393), (347, 19480), (354, 19501), (407, 19627), (440, 19699), (495, 19849), (499, 19858), (545, 19939),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 53

Candidate Starts for Turbido_29:

(Start: 53 @19682 has 300 MA's), (109, 19757), (125, 19775), (145, 19811), (166, 19850), (275, 20057), (297, 20096), (300, 20099), (347, 20186), (427, 20366), (461, 20468), (489, 20543), (495, 20555),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 90

Candidate Starts for Turuncu_44:

(Start: 90 @29978 has 25 MA's), (148, 30056), (184, 30128), (220, 30209), (296, 30338), (388, 30509), (461, 30665), (501, 30764), (541, 30839), (551, 30860),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 60

Candidate Starts for Twigg_23:

(Start: 60 @18619 has 85 MA's), (125, 18715), (143, 18748), (145, 18751), (240, 18925), (268, 18985), (275, 18991), (285, 19009), (300, 19033), (325, 19075), (456, 19387), (495, 19489), (505, 19516), (545, 19579),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 101

Candidate Starts for Twister6_32:

(Start: 101 @25345 has 29 MA's), (163, 25450), (189, 25519), (191, 25525), (198, 25549), (208, 25564), (401, 25924), (412, 25939), (421, 25957), (468, 26059), (481, 26101), (493, 26137), (533, 26233), (557, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 26

Candidate Starts for Twitch_22:

(Start: 26 @16051 has 217 MA's), (78, 16168), (140, 16258), (156, 16279), (165, 16300), (178, 16327), (297, 16582), (341, 16663), (372, 16738), (382, 16753), (452, 16864), (469, 16906), (501, 16999), (508, 17023), (555, 17116), (566, 17155), (570, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 38

Candidate Starts for Twonlo_29:

(Start: 38 @26023 has 25 MA's), (Start: 49 @26035 has 1 MA's), (67, 26062), (97, 26110), (100, 26113), (134, 26164), (177, 26242), (215, 26338), (230, 26371), (255, 26410), (331, 26539), (350, 26572), (364, 26608), (484, 26794), (500, 26824), (509, 26851), (532, 26887), (549, 26920), (570, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 50

Candidate Starts for TyDawg_27:

(Start: 50 @21457 has 24 MA's), (119, 21559), (131, 21577), (140, 21592), (179, 21664), (182, 21673), (229, 21751), (295, 21886), (297, 21889), (300, 21892), (339, 21961), (386, 22003), (389, 22009), (470, 22150), (476, 22171), (482, 22183), (549, 22306), (553, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 95

Candidate Starts for Tycho_33:

(Start: 95 @28653 has 50 MA's), (182, 28809), (191, 28839), (194, 28851), (198, 28863), (208, 28878), (216, 28890), (301, 29049), (322, 29085), (349, 29145), (365, 29181), (401, 29241), (450, 29331), (481, 29421), (489, 29445), (493, 29457), (514, 29523), (524, 29538), (537, 29562), (544, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 62

Candidate Starts for Typha_23:

(Start: 62 @18613 has 5 MA's), (114, 18679), (163, 18769), (167, 18775), (187, 18823), (204, 18871), (221, 18898), (233, 18925), (234, 18928), (248, 18949), (273, 19000), (305, 19051), (311, 19060), (325, 19087), (367, 19162), (376, 19186), (441, 19276), (452, 19300), (453, 19303), (469, 19339), (486, 19393), (489, 19402), (505, 19444), (506, 19447), (550, 19528), (553, 19537), (566, 19582),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 53

Candidate Starts for Tyson_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (252, 16192), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (386, 16381), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551,

16690), (553, 16696), (564, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 43

Candidate Starts for UPIE_17:

(31, 15809), (Start: 43 @15845 has 9 MA's), (Start: 53 @15863 has 300 MA's), (70, 15887), (Start: 88 @15917 has 17 MA's), (Start: 101 @15932 has 29 MA's), (126, 15965), (Start: 214 @16109 has 1 MA's), (297, 16265), (300, 16268), (305, 16274), (328, 16319), (345, 16346), (386, 16379), (389, 16385), (432, 16418), (435, 16427), (442, 16454), (487, 16574), (506, 16622), (551, 16688), (553, 16694), (564, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Ubuntu_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 53

Candidate Starts for Ugenie5_25:

(Start: 53 @20560 has 300 MA's), (68, 20578), (109, 20635), (125, 20653), (145, 20689), (240, 20869), (255, 20905), (275, 20935), (300, 20977), (376, 21136), (440, 21280), (461, 21343), (489, 21418), (495, 21430), (503, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 60

Candidate Starts for UhSalsa_22:

(Start: 60 @15480 has 85 MA's), (Start: 81 @15519 has 6 MA's), (140, 15600), (143, 15606), (178, 15675), (225, 15753), (252, 15813), (300, 15891), (373, 15987), (461, 16116), (469, 16134), (489, 16191), (495, 16203), (509, 16245), (561, 16341),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 85

Candidate Starts for UmaThurman_18:

(Start: 81 @15915 has 6 MA's), (Start: 85 @15921 has 28 MA's), (182, 16077), (218, 16158), (274, 16257), (341, 16365), (381, 16449), (419, 16515), (461, 16560), (501, 16650), (520, 16692),

Gene: Underpass_17 Start: 16079, Stop: 16993, Start Num: 53

Candidate Starts for Underpass_17:

(Start: 53 @16079 has 300 MA's), (70, 16103), (Start: 88 @16133 has 17 MA's), (171, 16259), (Start: 214 @16331 has 1 MA's), (295, 16484), (297, 16487), (300, 16490), (319, 16520), (370, 16577), (386, 16601), (389, 16607), (442, 16676), (450, 16694), (457, 16715), (476, 16769), (482, 16781), (506, 16844), (564, 16973), (567, 16985),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 26

Candidate Starts for Unicorn_21:

(Start: 26 @15233 has 217 MA's), (78, 15353), (140, 15443), (178, 15512), (264, 15713), (297, 15767), (317, 15797), (382, 15938), (420, 15998), (438, 16019), (452, 16049), (469, 16091), (470, 16094), (471, 16097), (501, 16184), (508, 16208), (550, 16286), (555, 16301), (566, 16340), (570, 16358),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 60

Candidate Starts for UnionJack_23:

(Start: 60 @17673 has 85 MA's), (125, 17769), (143, 17802), (145, 17805), (166, 17844), (240, 17979), (252, 18009), (268, 18039), (275, 18045), (285, 18063), (300, 18087), (325, 18129), (396, 18300), (495, 18543), (505, 18570), (545, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 53

Candidate Starts for Updawg_29:

(Start: 53 @19643 has 300 MA's), (109, 19718), (125, 19736), (145, 19772), (166, 19811), (255, 19988), (275, 20018), (297, 20057), (300, 20060), (495, 20516), (503, 20540),

Gene: Upyo_17 Start: 14116, Stop: 14946, Start Num: 56

Candidate Starts for Upyo_17:

(Start: 56 @14116 has 14 MA's), (Start: 81 @14161 has 6 MA's), (Start: 101 @14185 has 29 MA's), (200, 14365), (234, 14419), (291, 14512), (300, 14524), (372, 14608), (386, 14626), (495, 14812), (500, 14824), (515, 14863), (549, 14914),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 26

Candidate Starts for Urkel_22:

(Start: 26 @15965 has 217 MA's), (78, 16082), (140, 16172), (156, 16193), (165, 16214), (178, 16241), (264, 16442), (297, 16496), (302, 16502), (341, 16577), (372, 16652), (382, 16667), (469, 16820), (501, 16913), (508, 16937), (555, 17030), (566, 17069), (570, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 85

Candidate Starts for Utz_18:

(Start: 81 @15782 has 6 MA's), (Start: 85 @15788 has 28 MA's), (182, 15944), (218, 16025), (274, 16124), (341, 16232), (381, 16316), (423, 16388), (501, 16517), (510, 16544), (520, 16559),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 53

Candidate Starts for VA6_27:

(Start: 53 @19197 has 300 MA's), (Start: 88 @19251 has 17 MA's), (109, 19272), (125, 19290), (219, 19461), (275, 19572), (297, 19611), (300, 19614), (326, 19659), (369, 19749), (456, 19962), (461, 19977), (489, 20052), (495, 20064), (503, 20088), (545, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 53

Candidate Starts for VC3_30:

(Start: 53 @19185 has 300 MA's), (Start: 88 @19239 has 17 MA's), (109, 19260), (125, 19278), (219, 19449), (275, 19560), (297, 19599), (300, 19602), (326, 19647), (369, 19737), (456, 19950), (461, 19965), (489, 20040), (495, 20052), (503, 20076), (545, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 101

Candidate Starts for Valary_33:

(Start: 101 @25854 has 29 MA's), (163, 25959), (189, 26028), (191, 26034), (198, 26058), (208, 26073), (401, 26433), (412, 26448), (421, 26466), (468, 26568), (481, 26610), (493, 26646), (533, 26742), (557, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 26

Candidate Starts for Validus_22:

(Start: 26 @15308 has 217 MA's), (78, 15428), (140, 15518), (178, 15587), (221, 15686), (222, 15689), (264, 15788), (297, 15842), (341, 15923), (372, 15998), (382, 16013), (452, 16124), (469, 16166), (470, 16169), (501, 16259), (541, 16343), (550, 16361), (555, 16376), (566, 16415), (570, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 101

Candidate Starts for VanDeWege_33:

(Start: 101 @25693 has 29 MA's), (163, 25789), (189, 25858), (191, 25864), (198, 25888), (208, 25903), (301, 26077), (322, 26113), (361, 26191), (401, 26260), (468, 26395), (481, 26437), (493, 26473), (519, 26548), (533, 26569), (557, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 50

Candidate Starts for VanLee_19:

(Start: 50 @15562 has 24 MA's), (Start: 88 @15619 has 17 MA's), (Start: 101 @15634 has 29 MA's), (179, 15769), (255, 15904), (266, 15934), (295, 15970), (297, 15973), (306, 15985), (319, 16006), (334, 16036), (386, 16093), (389, 16099), (398, 16123), (482, 16273), (522, 16369), (560, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 53

Candidate Starts for Vanisoa_26:

(Start: 53 @18587 has 300 MA's), (68, 18605), (Start: 88 @18641 has 17 MA's), (109, 18662), (125, 18680), (255, 18932), (275, 18962), (300, 19004), (372, 19154), (390, 19199), (413, 19250), (418, 19256), (440, 19316), (495, 19466), (499, 19475),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 53

Candidate Starts for VasuNzinga_49:

(Start: 53 @25618 has 300 MA's), (140, 25750), (155, 25774), (161, 25783), (164, 25789), (168, 25798), (179, 25822), (182, 25831), (187, 25843), (251, 25969), (290, 26050), (300, 26065), (305, 26071), (386, 26179), (461, 26305), (464, 26311), (528, 26461), (531, 26467), (538, 26479), (540, 26482), (568, 26569), (569, 26572), (571, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 26

Candidate Starts for Veliki_22:

(Start: 26 @16054 has 217 MA's), (78, 16171), (140, 16261), (156, 16282), (165, 16303), (178, 16330), (297, 16585), (341, 16666), (372, 16741), (382, 16756), (452, 16867), (469, 16909), (501, 17002), (508, 17026), (555, 17119), (566, 17158), (570, 17176),

Gene: Vendetta_21 Start: 15645, Stop: 16475, Start Num: 95

Candidate Starts for Vendetta_21:

(Start: 93 @15642 has 6 MA's), (Start: 95 @15645 has 50 MA's), (112, 15660), (137, 15699), (149, 15720), (151, 15723), (219, 15867), (329, 16053), (363, 16122), (443, 16224), (485, 16305), (486, 16308), (524, 16389), (529, 16395), (534, 16407), (535, 16410), (549, 16434),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 38

Candidate Starts for Verity_33:

(Start: 38 @29967 has 25 MA's), (97, 30054), (124, 30090), (144, 30126), (215, 30282), (217, 30285), (255, 30354), (289, 30417), (294, 30426), (350, 30516), (363, 30549), (364, 30552), (471, 30705), (487, 30747), (500, 30768), (509, 30795), (521, 30816), (529, 30825), (532, 30831), (549, 30864), (550, 30867), (563, 30912), (566, 30921), (570, 30933),

Gene: Vetric_17 Start: 16080, Stop: 16994, Start Num: 53

Candidate Starts for Vetric_17:

(Start: 53 @16080 has 300 MA's), (70, 16104), (Start: 88 @16134 has 17 MA's), (171, 16260), (Start: 214 @16332 has 1 MA's), (295, 16485), (297, 16488), (300, 16491), (319, 16521), (370, 16578), (386, 16602), (389, 16608), (442, 16677), (450, 16695), (457, 16716), (482, 16782), (506, 16845), (564, 16974), (567, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 38

Candidate Starts for ViaConlectus_34:

(Start: 38 @28404 has 25 MA's), (79, 28476), (97, 28500), (124, 28536), (144, 28572), (215, 28728), (255, 28800), (289, 28863), (294, 28872), (331, 28929), (350, 28962), (363, 28995), (364, 28998), (454, 29115), (471, 29151), (484, 29184), (487, 29193), (500, 29214), (509, 29241), (529, 29271), (532, 29277), (549, 29310), (550, 29313), (566, 29367), (570, 29379),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 95

Candidate Starts for Vivi2_36:

(Start: 95 @30528 has 50 MA's), (191, 30714), (194, 30726), (208, 30753), (221, 30774), (254, 30834), (298, 30921), (301, 30924), (322, 30960), (334, 30993), (342, 31008), (349, 31020), (362, 31050), (365, 31056), (401, 31116), (450, 31206), (481, 31296), (489, 31320), (493, 31332), (514, 31398), (537, 31437), (544, 31449),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 29

Candidate Starts for ViviJ_19:

(Start: 29 @16180 has 26 MA's), (123, 16354), (163, 16420), (165, 16423), (178, 16450), (221, 16549), (264, 16651), (297, 16705), (317, 16735), (332, 16771), (334, 16774), (339, 16783), (371, 16858), (372, 16861), (398, 16897), (422, 16939), (438, 16957), (441, 16963), (452, 16987), (453, 16990), (469, 17029), (555, 17239), (566, 17278), (570, 17296),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 53

Candidate Starts for VohminGhazi_30:

(Start: 53 @18966 has 300 MA's), (Start: 88 @19020 has 17 MA's), (125, 19059), (179, 19164), (255, 19311), (275, 19341), (297, 19380), (300, 19383), (326, 19428), (354, 19488), (440, 19686), (495, 19836), (499, 19845),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 85

Candidate Starts for Vordorf_21:

(Start: 85 @17520 has 28 MA's), (Start: 90 @17526 has 25 MA's), (116, 17562), (118, 17565), (200, 17733), (209, 17748), (218, 17760), (272, 17856), (274, 17859), (288, 17880), (296, 17895), (365, 18024), (421, 18120), (461, 18165), (470, 18186), (483, 18216), (532, 18306),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 57

Candidate Starts for Waits_29:

(Start: 57 @18089 has 20 MA's), (140, 18203), (143, 18209), (145, 18212), (263, 18446), (407, 18713), (437, 18767), (495, 18923),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 85

Candidate Starts for Walrus_19:

(Start: 81 @16010 has 6 MA's), (Start: 85 @16016 has 28 MA's), (182, 16172), (218, 16253), (274, 16352), (341, 16460), (381, 16544), (419, 16610), (461, 16655), (501, 16745), (520, 16787),

Gene: Wamburgexpress_17 Start: 15878, Stop: 16759, Start Num: 53

Candidate Starts for Wamburgexpress_17:

(Start: 43 @15860 has 9 MA's), (Start: 53 @15878 has 300 MA's), (70, 15902), (Start: 88 @15932 has 17 MA's), (Start: 101 @15947 has 29 MA's), (126, 15980), (Start: 214 @16124 has 1 MA's), (252, 16205), (297, 16280), (300, 16283), (305, 16289), (328, 16334), (345, 16361), (386, 16394), (389, 16400), (432, 16433), (435, 16442), (442, 16469), (487, 16589), (506, 16637), (551, 16703), (553, 16709), (564, 16748),

Gene: Warrior24_30 Start: 18093, Stop: 19070, Start Num: 57

Candidate Starts for Warrior24_30:

(Start: 57 @18093 has 20 MA's), (140, 18207), (143, 18213), (145, 18216), (263, 18450), (407, 18717), (437, 18771), (495, 18927),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 29

Candidate Starts for Waterfoul_20:

(Start: 29 @16344 has 26 MA's), (165, 16587), (178, 16614), (221, 16713), (264, 16815), (297, 16869), (317, 16899), (332, 16935), (334, 16938), (339, 16947), (371, 17022), (372, 17025), (398, 17061), (422, 17103), (438, 17121), (441, 17127), (452, 17151), (453, 17154), (455, 17160), (469, 17193),

(555, 17403), (566, 17442), (570, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Webster2_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: WeiHuaDA_33 Start: 21452, Stop: 22465, Start Num: 53

Candidate Starts for WeiHuaDA_33:

(Start: 53 @21452 has 300 MA's), (68, 21470), (109, 21527), (125, 21545), (145, 21581), (166, 21620), (275, 21827), (297, 21866), (300, 21869), (326, 21914), (354, 21974), (369, 22007), (404, 22097), (427, 22133), (495, 22322), (499, 22331),

Gene: Weirido19_18 Start: 14977, Stop: 16083, Start Num: 61

Candidate Starts for Weirido19_18:

(12, 14650), (14, 14686), (Start: 61 @14977 has 2 MA's), (Start: 69 @14989 has 22 MA's), (156, 15118), (177, 15163), (178, 15166), (180, 15172), (186, 15187), (226, 15271), (256, 15355), (267, 15385), (271, 15391), (287, 15421), (309, 15448), (313, 15454), (318, 15463), (339, 15508), (348, 15526), (352, 15535), (384, 15610), (396, 15628), (454, 15769), (513, 15937), (539, 15976), (550, 15997), (553, 16006), (555, 16012), (566, 16051),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Wendigo_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 53

Candidate Starts for Whabigail7_29:

(Start: 53 @19670 has 300 MA's), (109, 19745), (125, 19763), (145, 19799), (166, 19838), (275, 20045), (297, 20084), (300, 20087), (347, 20174), (427, 20354), (461, 20456), (489, 20531), (495, 20543),

Gene: Whack_17 Start: 16453, Stop: 17082, Start Num: 214

Candidate Starts for Whack_17:

(106, 16246), (197, 16429), (Start: 214 @16453 has 1 MA's), (221, 16465), (248, 16504), (262, 16534), (271, 16552), (307, 16609), (310, 16612), (316, 16624), (324, 16639), (338, 16666), (343, 16675), (397, 16777), (399, 16783), (401, 16789), (447, 16837), (454, 16849), (466, 16876), (502, 16948), (529, 17002), (532, 17008), (542, 17026), (559, 17068),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 75

Candidate Starts for WheatThin_21:

(Start: 75 @16293 has 17 MA's), (110, 16338), (129, 16368), (186, 16476), (249, 16626), (267, 16674), (320, 16758), (324, 16767), (346, 16809), (433, 16986), (446, 17019), (459, 17055), (539, 17250), (565, 17322), (566, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 90

Candidate Starts for Wheezy_40:

(Start: 90 @28862 has 25 MA's), (148, 28949), (186, 29024), (213, 29090), (245, 29132), (271, 29189), (388, 29402), (399, 29429), (454, 29540), (501, 29672), (551, 29768),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 53

Candidate Starts for Whirlwind_19:

(Start: 53 @16247 has 300 MA's), (70, 16271), (Start: 101 @16316 has 29 MA's), (109, 16331), (126, 16352), (179, 16448), (255, 16583), (259, 16592), (297, 16652), (300, 16655), (305, 16661), (345, 16733), (386, 16766), (442, 16841), (471, 16916), (489, 16967), (506, 17009), (564, 17120), (565, 17123),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 47

Candidate Starts for Whitty_18:

(Start: 47 @16018 has 12 MA's), (66, 16045), (Start: 75 @16063 has 17 MA's), (184, 16240), (186, 16243), (225, 16318), (255, 16384), (265, 16411), (297, 16468), (305, 16477), (463, 16714), (472, 16738), (508, 16837), (515, 16858), (530, 16879), (550, 16918), (553, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 96

Candidate Starts for WhoseManz_42:

(Start: 96 @26578 has 8 MA's), (148, 26659), (173, 26704), (196, 26773), (271, 26899), (296, 26941), (344, 27025), (367, 27076), (388, 27109), (454, 27247), (474, 27307), (482, 27325), (501, 27367), (549, 27457), (551, 27463), (558, 27484),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 53

Candidate Starts for WideWale_29:

(Start: 53 @19643 has 300 MA's), (109, 19718), (125, 19736), (145, 19772), (166, 19811), (255, 19988), (275, 20018), (297, 20057), (300, 20060), (495, 20516), (503, 20540),

Gene: Widow_17 Start: 14300, Stop: 15133, Start Num: 56

Candidate Starts for Widow_17:

(Start: 56 @14300 has 14 MA's), (Start: 101 @14369 has 29 MA's), (150, 14453), (175, 14504), (234, 14612), (291, 14705), (300, 14717), (305, 14723), (342, 14789), (453, 14915), (471, 14942), (472, 14945), (478, 14963), (484, 14978), (500, 15017),

Gene: Wigglewigggle_17 Start: 16106, Stop: 17020, Start Num: 53

Candidate Starts for Wigglewigggle_17:

(Start: 53 @16106 has 300 MA's), (70, 16130), (Start: 88 @16160 has 17 MA's), (171, 16286), (Start: 214 @16358 has 1 MA's), (295, 16511), (297, 16514), (300, 16517), (319, 16547), (370, 16604), (386, 16628), (389, 16634), (442, 16703), (450, 16721), (457, 16742), (476, 16796), (482, 16808), (506, 16871), (564, 17000), (567, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 53

Candidate Starts for Wiks_30:

(Start: 53 @18958 has 300 MA's), (68, 18976), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (275, 19333), (297, 19372), (300, 19375), (347, 19462), (354, 19483), (407, 19609), (440, 19681), (495, 19831), (499, 19840), (545, 19921),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 53

Candidate Starts for Wilder_17:

(Start: 53 @16079 has 300 MA's), (70, 16103), (Start: 88 @16133 has 17 MA's), (171, 16259), (Start: 214 @16331 has 1 MA's), (295, 16484), (297, 16487), (300, 16490), (319, 16520), (370, 16577), (386, 16601), (389, 16607), (442, 16676), (450, 16694), (457, 16715), (476, 16769), (482, 16781), (506, 16844), (564, 16973), (567, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 83

Candidate Starts for William_18:

(Start: 83 @15832 has 24 MA's), (Start: 102 @15847 has 1 MA's), (122, 15877), (136, 15898), (182, 15988), (218, 16069), (338, 16273), (341, 16276), (461, 16471), (501, 16561), (520, 16603), (549, 16651), (551, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 83

Candidate Starts for WilliamBoone_47:

(Start: 83 @28015 has 24 MA's), (Start: 88 @28021 has 17 MA's), (124, 28069), (140, 28096), (179, 28168), (184, 28183), (283, 28372), (338, 28465), (351, 28489), (356, 28504), (408, 28597), (410, 28600), (454, 28648), (532, 28828), (550, 28864),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 53

Candidate Starts for Winky_17:

(Start: 53 @16074 has 300 MA's), (70, 16098), (Start: 88 @16128 has 17 MA's), (171, 16254), (Start: 214 @16326 has 1 MA's), (295, 16479), (297, 16482), (300, 16485), (319, 16515), (370, 16572), (386, 16596), (389, 16602), (442, 16671), (450, 16689), (457, 16710), (482, 16776), (506, 16839), (564, 16968), (567, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 26

Candidate Starts for Wintermute_23:

(Start: 26 @17489 has 217 MA's), (30, 17507), (Start: 61 @17579 has 2 MA's), (78, 17609), (140, 17699), (165, 17741), (177, 17765), (222, 17870), (335, 18092), (339, 18098), (420, 18248), (422, 18251), (438, 18269), (452, 18299), (469, 18341), (470, 18344), (486, 18395), (550, 18536), (555, 18551), (566, 18590), (570, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 69

Candidate Starts for Wishmaker_21:

(Start: 69 @16315 has 22 MA's), (74, 16324), (140, 16420), (145, 16429), (152, 16438), (178, 16489), (180, 16495), (224, 16591), (232, 16609), (256, 16678), (261, 16687), (267, 16708), (271, 16714), (274, 16720), (276, 16723), (320, 16795), (322, 16798), (396, 16954), (426, 17005), (431, 17023), (454, 17095), (461, 17113), (490, 17197), (501, 17224), (502, 17227), (513, 17263), (525, 17281), (550, 17323), (555, 17338), (556, 17341), (564, 17371), (566, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 102

Candidate Starts for Wisp_17:

(Start: 81 @15500 has 6 MA's), (Start: 85 @15506 has 28 MA's), (Start: 102 @15521 has 1 MA's), (182, 15662), (218, 15743), (253, 15800), (257, 15809), (274, 15842), (341, 15950), (381, 16034), (419, 16100), (461, 16145), (501, 16235), (520, 16277), (560, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 101

Candidate Starts for Wizard_30:

(Start: 101 @25052 has 29 MA's), (163, 25157), (189, 25226), (191, 25232), (198, 25256), (208, 25271), (401, 25631), (412, 25646), (421, 25664), (468, 25766), (481, 25808), (493, 25844), (533, 25940), (557, 25991),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 85

Candidate Starts for Wocket_19:

(Start: 81 @15974 has 6 MA's), (Start: 85 @15980 has 28 MA's), (182, 16136), (341, 16424), (381, 16508), (419, 16574), (423, 16580), (501, 16709), (520, 16751),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 53

Candidate Starts for WunderPhul_30:

(Start: 53 @18958 has 300 MA's), (68, 18976), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (275, 19333), (297, 19372), (300, 19375), (347, 19462), (354, 19483), (407, 19609), (440, 19681), (495, 19831), (499, 19840), (545, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 43

Candidate Starts for Wyatt2_17:

(31, 15811), (Start: 43 @15847 has 9 MA's), (Start: 53 @15865 has 300 MA's), (70, 15889), (Start: 88 @15919 has 17 MA's), (Start: 101 @15934 has 29 MA's), (126, 15967), (Start: 214 @16111 has 1 MA's), (297, 16267), (300, 16270), (305, 16276), (328, 16321), (345, 16348), (389, 16387), (432, 16420), (435, 16429), (442, 16456), (487, 16576), (506, 16624), (551, 16690), (553, 16696), (564, 16735),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 53

Candidate Starts for XianYue_27:

(Start: 53 @19126 has 300 MA's), (109, 19201), (125, 19219), (145, 19255), (166, 19294), (172, 19309), (240, 19435), (255, 19471), (275, 19501), (297, 19540), (300, 19543), (326, 19588), (427, 19807), (461, 19909), (489, 19984), (495, 19996), (503, 20020),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 26

Candidate Starts for Ximenita_22:

(Start: 26 @15360 has 217 MA's), (78, 15480), (140, 15570), (178, 15639), (264, 15840), (297, 15894), (371, 16047), (382, 16065), (438, 16146), (452, 16176), (455, 16185), (469, 16218), (501, 16311), (508, 16335), (550, 16413), (555, 16428), (566, 16467), (570, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 26

Candidate Starts for Y10_23:

(Start: 26 @17489 has 217 MA's), (30, 17507), (Start: 61 @17579 has 2 MA's), (78, 17609), (140, 17699), (165, 17741), (177, 17765), (222, 17870), (335, 18092), (339, 18098), (420, 18248), (422, 18251), (438, 18269), (452, 18299), (469, 18341), (470, 18344), (486, 18395), (550, 18536), (555, 18551), (566, 18590), (570, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 26

Candidate Starts for Y2_23:

(Start: 26 @17489 has 217 MA's), (30, 17507), (Start: 61 @17579 has 2 MA's), (78, 17609), (140, 17699), (165, 17741), (177, 17765), (222, 17870), (335, 18092), (339, 18098), (420, 18248), (422, 18251), (438, 18269), (452, 18299), (469, 18341), (470, 18344), (486, 18395), (550, 18536), (555, 18551), (566, 18590), (570, 18608),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 53

Candidate Starts for Yecey3_27:

(Start: 53 @18619 has 300 MA's), (68, 18637), (125, 18712), (145, 18748), (240, 18928), (255, 18964), (275, 18994), (300, 19036), (326, 19081), (369, 19174), (372, 19186), (379, 19207), (413, 19282), (495, 19498), (499, 19507),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 96

Candidate Starts for Yndexa_42:

(Start: 96 @28532 has 8 MA's), (148, 28613), (173, 28658), (196, 28727), (296, 28895), (344, 28979), (367, 29030), (388, 29063), (474, 29261), (482, 29279), (501, 29321), (549, 29411), (551, 29417), (558, 29438),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 60

Candidate Starts for Yogi_22:

(Start: 60 @15454 has 85 MA's), (Start: 81 @15493 has 6 MA's), (140, 15574), (143, 15580), (178, 15649), (225, 15727), (238, 15754), (300, 15865), (373, 15961), (461, 16090), (469, 16108), (495, 16177), (561, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 53

Candidate Starts for Yokurt_30:

(Start: 53 @18958 has 300 MA's), (68, 18976), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (275, 19333), (297, 19372), (300, 19375), (347, 19462), (354, 19483), (407, 19609), (440, 19681), (495, 19831), (499, 19840), (545, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 60

Candidate Starts for Yoncess_22:

(Start: 60 @15454 has 85 MA's), (Start: 81 @15493 has 6 MA's), (140, 15574), (143, 15580), (178, 15649), (225, 15727), (238, 15754), (300, 15865), (373, 15961), (461, 16090), (469, 16108), (495, 16177), (561, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 95

Candidate Starts for YorkOnyx_34:

(Start: 95 @28912 has 50 MA's), (182, 29068), (191, 29098), (194, 29110), (198, 29122), (208, 29137), (216, 29149), (301, 29308), (322, 29344), (349, 29404), (360, 29428), (365, 29440), (401, 29500), (450, 29590), (481, 29680), (489, 29704), (493, 29716), (514, 29782), (524, 29797), (537, 29821), (544, 29833),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 26

Candidate Starts for YoureAdopted_21:

(Start: 26 @15987 has 217 MA's), (78, 16104), (140, 16194), (156, 16215), (165, 16236), (178, 16263), (297, 16518), (341, 16599), (372, 16674), (382, 16689), (452, 16800), (469, 16842), (501, 16935), (508, 16959), (555, 17052), (566, 17091), (570, 17109),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 26

Candidate Starts for Yuna_22:

(Start: 26 @15278 has 217 MA's), (78, 15395), (123, 15458), (178, 15554), (222, 15656), (264, 15755), (297, 15809), (341, 15890), (422, 16043), (441, 16067), (469, 16133), (470, 16136), (471, 16139), (501, 16226), (550, 16328), (555, 16343), (566, 16382), (570, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 101

Candidate Starts for YungMoney_32:

(Start: 101 @26412 has 29 MA's), (163, 26508), (189, 26577), (191, 26583), (194, 26595), (195, 26598), (198, 26607), (208, 26622), (301, 26796), (320, 26829), (322, 26832), (381, 26949), (401, 26979), (468, 27114), (479, 27150), (493, 27192), (519, 27267), (533, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 26

Candidate Starts for Yunkel11_22:

(Start: 26 @15243 has 217 MA's), (78, 15360), (140, 15450), (156, 15471), (178, 15519), (297, 15774), (341, 15855), (372, 15930), (382, 15945), (452, 16056), (469, 16098), (495, 16176), (501, 16191), (508, 16215), (555, 16308), (566, 16347), (570, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 80

Candidate Starts for Yvonnetastic_44:

(Start: 80 @29619 has 2 MA's), (140, 29706), (177, 29772), (182, 29787), (184, 29793), (272, 29964), (311, 30021), (338, 30075), (351, 30099), (399, 30198), (410, 30216), (454, 30264), (461, 30282), (471, 30306), (549, 30474),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 26

Candidate Starts for Zabiza_22:

(Start: 26 @16018 has 217 MA's), (78, 16135), (140, 16225), (156, 16246), (165, 16267), (178, 16294), (297, 16549), (341, 16630), (372, 16705), (382, 16720), (452, 16831), (469, 16873), (501, 16966), (508, 16990), (555, 17083), (566, 17122), (570, 17140),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 53

Candidate Starts for Zaka_30:

(Start: 53 @18958 has 300 MA's), (68, 18976), (Start: 88 @19012 has 17 MA's), (125, 19051), (179, 19156), (275, 19333), (297, 19372), (300, 19375), (347, 19462), (354, 19483), (407, 19609), (440, 19681), (495, 19831), (499, 19840), (545, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 53

Candidate Starts for Zakai_17:

(Start: 53 @16068 has 300 MA's), (70, 16092), (Start: 88 @16122 has 17 MA's), (171, 16248), (Start: 214 @16320 has 1 MA's), (295, 16473), (297, 16476), (300, 16479), (319, 16509), (370, 16566), (386, 16590), (389, 16596), (442, 16665), (450, 16683), (457, 16704), (482, 16770), (506, 16833), (564, 16962), (567, 16974),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 81

Candidate Starts for Zarbodnamra_18:

(Start: 81 @15786 has 6 MA's), (Start: 85 @15792 has 28 MA's), (182, 15948), (218, 16029), (274, 16128), (341, 16236), (381, 16320), (501, 16521), (520, 16563),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 43

Candidate Starts for Zaria_17:

(Start: 43 @15861 has 9 MA's), (Start: 53 @15879 has 300 MA's), (70, 15903), (Start: 88 @15933 has 17 MA's), (Start: 101 @15948 has 29 MA's), (126, 15981), (Start: 214 @16125 has 1 MA's), (252, 16206), (297, 16281), (300, 16284), (305, 16290), (328, 16335), (345, 16362), (386, 16395), (389, 16401), (432, 16434), (435, 16443), (442, 16470), (487, 16590), (506, 16638), (551, 16704), (553, 16710), (564, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 26

Candidate Starts for Zavala_22:

(Start: 26 @15992 has 217 MA's), (78, 16109), (140, 16199), (156, 16220), (165, 16241), (178, 16268), (297, 16523), (341, 16604), (372, 16679), (382, 16694), (452, 16805), (469, 16847), (501, 16940), (508, 16964), (555, 17057), (566, 17096), (570, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 47

Candidate Starts for ZenTime222_18:

(Start: 47 @16018 has 12 MA's), (66, 16045), (Start: 75 @16063 has 17 MA's), (184, 16240), (186, 16243), (225, 16318), (255, 16384), (265, 16411), (297, 16468), (305, 16477), (463, 16714), (472, 16738), (508, 16837), (515, 16858), (530, 16879), (550, 16918), (553, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 53

Candidate Starts for ZhongYanYuan_16:

(Start: 53 @15899 has 300 MA's), (70, 15923), (Start: 88 @15953 has 17 MA's), (145, 16034), (171, 16079), (295, 16304), (297, 16307), (300, 16310), (319, 16340), (370, 16397), (389, 16427), (442, 16496), (450, 16514), (476, 16589), (482, 16601), (506, 16664), (518, 16691), (553, 16754), (564, 16793), (567, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 85

Candidate Starts for ZiggyZoo_17:

(Start: 81 @15577 has 6 MA's), (Start: 85 @15583 has 28 MA's), (182, 15739), (218, 15820), (274, 15919), (341, 16027), (381, 16111), (419, 16177), (461, 16222), (501, 16312), (520, 16354),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 53

Candidate Starts for Zimmer_29:

(Start: 53 @21369 has 300 MA's), (109, 21444), (125, 21462), (145, 21498), (166, 21537), (275, 21744), (297, 21783), (300, 21786), (495, 22242),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 82

Candidate Starts for Zion_33:

(Start: 82 @28461 has 8 MA's), (Start: 102 @28485 has 1 MA's), (130, 28530), (163, 28590), (181, 28629), (224, 28725), (321, 28887), (336, 28920), (385, 28995), (395, 29019), (484, 29160), (501, 29196), (510, 29223), (546, 29280),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 38

Candidate Starts for Zipp_33:

(Start: 38 @29867 has 25 MA's), (97, 29954), (124, 29990), (144, 30026), (215, 30182), (217, 30185), (255, 30254), (289, 30317), (294, 30326), (350, 30416), (363, 30449), (364, 30452), (471, 30605), (487, 30647), (500, 30668), (509, 30695), (521, 30716), (529, 30725), (532, 30731), (549, 30764), (550, 30767), (563, 30812), (566, 30821), (570, 30833),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 38

Candidate Starts for Zitch_35:

(Start: 38 @27751 has 25 MA's), (89, 27826), (97, 27838), (124, 27874), (144, 27910), (190, 28012), (215, 28066), (255, 28138), (258, 28144), (289, 28201), (294, 28210), (331, 28267), (350, 28300), (363, 28333), (364, 28336), (471, 28489), (484, 28522), (487, 28531), (500, 28552), (509, 28579), (521, 28600), (529, 28609), (532, 28615), (549, 28648), (550, 28651), (566, 28705), (570, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for ZoMa_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Zodiariah_17 Start: 15106, Stop: 16167, Start Num: 76

Candidate Starts for Zodiariah_17:

(71, 15097), (76, 15106), (140, 15199), (165, 15241), (186, 15289), (256, 15457), (265, 15481), (267, 15487), (313, 15559), (318, 15568), (320, 15571), (396, 15721), (412, 15748), (431, 15790), (449, 15838), (501, 15985), (517, 16030), (518, 16033), (539, 16063), (553, 16093), (555, 16099), (565, 16135), (566, 16138),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 28

Candidate Starts for ZoeJ_18:

(Start: 28 @13830 has 10 MA's), (30, 13839), (78, 13941), (140, 14031), (165, 14073), (167, 14076), (178, 14100), (221, 14199), (248, 14262), (264, 14301), (297, 14355), (339, 14433), (371, 14508), (422, 14586), (438, 14604), (452, 14634), (469, 14676), (470, 14679), (501, 14769), (508, 14793), (550, 14871), (555, 14886), (566, 14925), (570, 14943),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 60

Candidate Starts for Zolita_22:

(Start: 60 @18827 has 85 MA's), (125, 18923), (143, 18956), (145, 18959), (166, 18998), (186, 19046), (275, 19199), (285, 19217), (300, 19241), (325, 19283), (456, 19595), (495, 19697), (505, 19724),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 26

Candidate Starts for Zombie_17:

(6, 15144), (Start: 26 @15477 has 217 MA's), (78, 15597), (Start: 93 @15615 has 6 MA's), (123, 15660), (126, 15666), (163, 15729), (180, 15765), (205, 15834), (207, 15837), (221, 15858), (246, 15912), (264, 15957), (284, 15987), (339, 16089), (345, 16101), (352, 16113), (359, 16131), (438, 16296), (452, 16326), (459, 16344), (469, 16368), (509, 16488), (555, 16578), (564, 16611),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 53

Candidate Starts for Zulu_30:

(Start: 53 @18957 has 300 MA's), (68, 18975), (Start: 88 @19011 has 17 MA's), (125, 19050), (179, 19155), (275, 19332), (297, 19371), (300, 19374), (347, 19461), (354, 19482), (407, 19608), (440, 19680), (495, 19830), (499, 19839), (545, 19920),