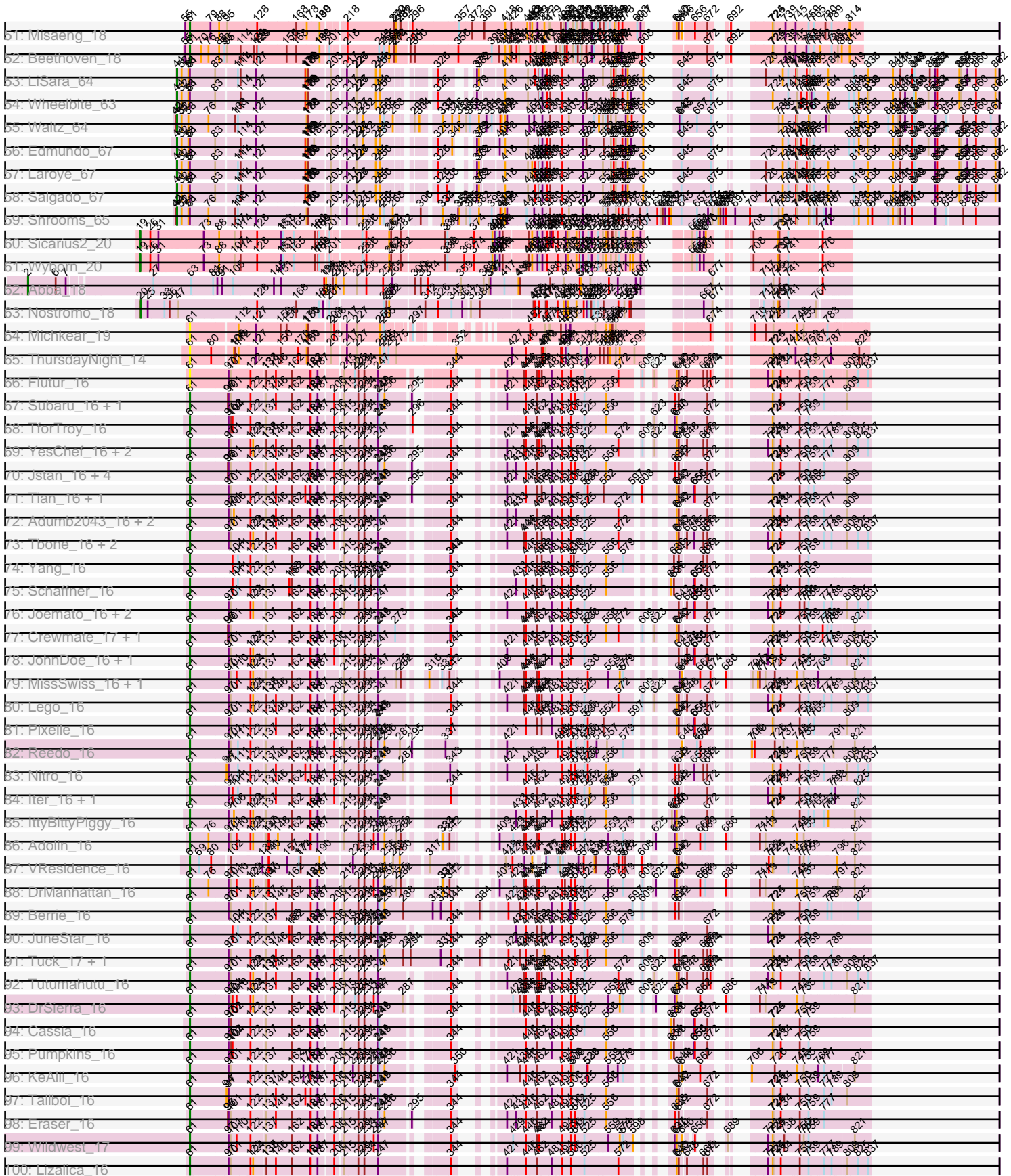


Pham 311113



Pham 311113

	89	102	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r01: Sue2_16	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r02: Ampioria_16	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r03: Janeem_17	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r04: Phives_17	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r05: Liebe_15 + 2	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r06: MaGuCo_15	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r07: Tweety19_16 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r08: Emotion_15	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r09: MiniMommy_15	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r10: vroomvroom_15 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r11: JohnThicc_15 + 3	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r12: JasmineDragon_15 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r13: Ashes_16 + 4	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r14: Gumpizza_16 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r15: Mysterium_16 + 2	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r16: Gambol_16 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r17: Sooty_16 + 2	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r18: Sabourin_16	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r19: AmVlach_15	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r20: Kubed_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r21: P9_1_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r22: PT06I_14 + 4	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r23: Ouroboros_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r24: PT14_4_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r25: PHL112NU0_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r26: PHL114LU0_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r27: Enoki_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r28: Leviosa_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r29: PT04B_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r30: QueenBey_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r31: Pirate_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r32: Solid_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r33: PHL113M01_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r34: PT00A_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r35: PT00D_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r36: Keiki_14 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r37: PT07C_14 + 1	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r38: LiliBandit_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r39: PHL067MT0_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r40: Procrasti_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r41: PHL071N05_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r42: ATCC29399B1_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r43: SKKY_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r44: PT00I_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r45: PHL010M04_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r46: Wizzo_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r47: PAS50_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r48: Enochoraptor_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r49: MEAK_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821
r50: Supernova_14	89	90	127	150	180	208	217	250	340	416	452	519	531	612	642	652	710	728	759	821

Pham 311113

Z01: Matzah_32	88	116	146	174	202	230	258	286	314	342	370	398	426	454	482	510	538	566	594	622	650	678	706	734	762	790	818	846
Z02: Kozle_32	88	116	146	174	202	230	258	286	314	342	370	398	426	454	482	510	538	566	594	622	650	678	706	734	762	790	818	846
Z03: MementoMori_32	88	106	136	166	196	226	256	286	316	346	376	406	436	466	496	526	556	586	616	646	676	706	736	766	796	826	856	886
Z04: Cressida_33	88	106	136	166	196	226	256	286	316	346	376	406	436	466	496	526	556	586	616	646	676	706	736	766	796	826	856	886
Z05: Sucha_16	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z06: Johann_20 + 1	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z07: Htur_19 + 2	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z08: Benny_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z09: Typher_21 + 2	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z10: Rootkit7_19 + 2	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z11: Cicada_21	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z12: IndriKoo_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z13: Turbovicky_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z14: FireCastle_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z15: PermaG_20	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z16: Jera_20	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z17: Olympi_21	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z18: Zanelia_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z19: Wjllg_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z20: Blarg_16	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z21: Hirk_16	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z22: Goldis_169	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z23: Musio_16	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z24: Gobbe_169	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z25: Mibaki_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z26: AnnabelLee_17	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z27: Makima_18	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z28: Neuvilleite_17 + 3	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z29: CardboardBox_18 + 1	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z30: Agamoto_19	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z31: TripleC_20	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z32: Studio_18	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z33: LastNadia_20 + 1	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z34: Ezurina_16	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z35: TMaxx_17	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z36: Mireles_17	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z37: JrWicox_69	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z38: MisoSoup_28	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925
Z39: FuzzBuster_40	40	67	100	133	166	199	232	265	298	331	364	397	430	463	496	529	562	595	628	661	694	727	760	793	826	859	892	925

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 311113 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311113 has 361 members, 53 are drafts.

Phages represented in each track:

- Track 1 : Carpal_18, Kalizoi_18, Dino_18, Zorro_18
- Track 2 : Lasagna_14, CristinaYang_14, Nancia_14, Bodacious_14
- Track 3 : Wawa_18
- Track 4 : Greenhouse_18
- Track 5 : Cholula_18, Potatoes_18, Immaculata_18
- Track 6 : Bennie_14, Huckleberry_14, HeadNerd_14, Moki_14
- Track 7 : Fluke_18, Glenn_18, TattModd_18, Savage2526_18
- Track 8 : Korra_19
- Track 9 : Herb_14, Daiboju_14, Maria1952_14, Sergei_14, KingBob_14, Temper16_14
- Track 10 : OurGirlNessie_14
- Track 11 : PitaDog_14
- Track 12 : Lucy_14
- Track 13 : Christian_14
- Track 14 : ChewChew_14
- Track 15 : Nubia_18
- Track 16 : Gisselle_14, DreamTeam_14
- Track 17 : WonderBoy_14
- Track 18 : Kittykat_14
- Track 19 : Makoto_14
- Track 20 : EstebanJulior_14, MamaPearl_14
- Track 21 : OMalley_14, Aledel_14, Chridison_14, Eunoia_14, Riovina_14
- Track 22 : Oxyfrius_18, Albanese_18
- Track 23 : Urla_14
- Track 24 : Vallejo_18, Jumboset_18, RAP15_18, MeganNoll_18
- Track 25 : RcigaStruga_18, Huntingdon_18
- Track 26 : Pumancara_14
- Track 27 : Graynor_18
- Track 28 : Vulture_14, HunterDalle_14
- Track 29 : CallieOMalley_18
- Track 30 : Preamble_14
- Track 31 : AppleCider_18
- Track 32 : Supakev_14
- Track 33 : Lakshmi_18
- Track 34 : BrotherBLo_18
- Track 35 : AustinPowers_14
- Track 36 : Wayne_18, PartyCup_18

- Track 37 : GreenHearts_18
- Track 38 : DrRobert_14
- Track 39 : Joann_18
- Track 40 : Litotes_18
- Track 41 : Rozby_18
- Track 42 : MrBoss_18
- Track 43 : MrGloopy_18
- Track 44 : Riverdale_18
- Track 45 : Suppi_18, Canowicakte_18
- Track 46 : BigMack_14
- Track 47 : Scuttle_18
- Track 48 : LilStuart_14, Lennox_14
- Track 49 : PinkFriday_14
- Track 50 : Pterodactyl_14
- Track 51 : Misaeng_18
- Track 52 : Beethoven_18
- Track 53 : LiSara_64
- Track 54 : Wheelbite_63
- Track 55 : Waltz_64
- Track 56 : Edmundo_67
- Track 57 : Laroye_67
- Track 58 : Salgado_67
- Track 59 : Shrooms_65
- Track 60 : Sicarius2_20
- Track 61 : Wyborn_20
- Track 62 : Abba_18
- Track 63 : Nostromo_18
- Track 64 : Michkear_19
- Track 65 : ThursdayNight_14
- Track 66 : Flutur_16
- Track 67 : Subaru_16, Elezi_16
- Track 68 : TforTroy_16
- Track 69 : YesChef_16, Powerpuff_16, AGrandiflora_16
- Track 70 : Jstan_16, London_16, Niobe_16, Skelbel_16, Asa16_16
- Track 71 : Tian_16, Amyev_16
- Track 72 : Adumb2043_16, Turab_16, AEgle_16
- Track 73 : Tbone_16, Mudpuppy_16, Warda_16
- Track 74 : Yang_16
- Track 75 : Schaffner_16
- Track 76 : Joemato_16, Simpson_18, Kaylissa_16
- Track 77 : Crewmate_17, ObiToo_16
- Track 78 : JohnDoe_16, Cyan_16
- Track 79 : MissSwiss_16, PandaPo_16
- Track 80 : Lego_16
- Track 81 : Pixelle_16
- Track 82 : Reedo_16
- Track 83 : Nitro_16
- Track 84 : lter_16, Ascela_16
- Track 85 : IttyBittyPiggy_16
- Track 86 : Adolin_16
- Track 87 : VResidence_16
- Track 88 : DrManhattan_16
- Track 89 : Berrie_16

- Track 90 : JuneStar_16
- Track 91 : Tuck_17, Community_16
- Track 92 : Tutumahutu_16
- Track 93 : DrSierra_16
- Track 94 : Cassia_16
- Track 95 : Pumpkins_16
- Track 96 : KeAlii_16
- Track 97 : Tallboi_16
- Track 98 : Eraser_16
- Track 99 : Wildwest_17
- Track 100 : Lizalica_16
- Track 101 : Sue2_16
- Track 102 : Amploria_16
- Track 103 : Janeemi_17
- Track 104 : Phives_17
- Track 105 : Liebe_15, IUFootball_15, Maureen_15
- Track 106 : MaGuCo_15
- Track 107 : Tweety19_16, Snek_16
- Track 108 : Emotion_15
- Track 109 : MiniMommy_15
- Track 110 : VroomVroom_15, AceofSpades_15
- Track 111 : JohnThicc_15, FiveHead_15, Origami_15, LadyAstra_15
- Track 112 : JasmineDragon_15, ShakeltOph_15
- Track 113 : Ashes_16, SpecialK_16, Halsey_16, RockScotty_16, Moss_16
- Track 114 : Gumpizza_16, Stuu_16
- Track 115 : Mysterium_16, Beaupre_16, Giorgio_16
- Track 116 : Gambol_16, Donkey_16
- Track 117 : Sooty_16, Cappuccino_16, Kalimba_16
- Track 118 : Sabourin_16
- Track 119 : AinMach_15
- Track 120 : Kubed_14
- Track 121 : P9.1_14
- Track 122 : P106I_14, P106A_14, P106C_14, P106M_14, P106L_14
- Track 123 : Ouroboros_14
- Track 124 : P14.4_14
- Track 125 : PHL112N00_14
- Track 126 : PHL114L00_14
- Track 127 : Enoki_14
- Track 128 : Leviosa_14
- Track 129 : P104B_14
- Track 130 : QueenBey_14
- Track 131 : Pirate_14
- Track 132 : Solid_14
- Track 133 : PHL113M01_14
- Track 134 : P100A_14
- Track 135 : P100D_14
- Track 136 : Keiki_14, Cota_14
- Track 137 : P107C_14, ATCC29399BC_14
- Track 138 : LilBandit_14
- Track 139 : PHL067M10_14
- Track 140 : Procrass1_14
- Track 141 : PHL071N05_14
- Track 142 : ATCC29399BT_14

- Track 143 : SKKY_14
- Track 144 : P100.1_14
- Track 145 : PHL010M04_14
- Track 146 : Wizzo_14
- Track 147 : PAS50_14
- Track 148 : Enochoraptor_14
- Track 149 : MEAK_14
- Track 150 : Supernova_14
- Track 151 : PA6_14
- Track 152 : PHL060L00_14
- Track 153 : PHL111M01_14
- Track 154 : Moyashi_14
- Track 155 : P108C_14
- Track 156 : P105_14
- Track 157 : Aquarius_14
- Track 158 : DrParker_14
- Track 159 : P107A_14
- Track 160 : Lauchelly_14
- Track 161 : P101A_14
- Track 162 : PAD20_14
- Track 163 : P104A_14
- Track 164 : Attacne_14
- Track 165 : MrAK_14
- Track 166 : PHL037M02_14
- Track 167 : Rileysaurus_14
- Track 168 : BruceLethal_14
- Track 169 : P1.1_14
- Track 170 : Stormborn_14
- Track 171 : Honeyfin_37, Pulchra_37, Scumberland_37, Antares_36, Phorgeous_35, Onika_35, Phrancesco_36, Lucretia_36, Germa_37, PiperSansNom_36, Cranjis_37, Quhwah_39, Glorp_37, BeagleBug_35, Shotgun_35, LittleFortune_37, Yeti_36, Hermeonysus_35, BrazzalePHS_35, Piperis_36
- Track 172 : Jollipop_36
- Track 173 : Busephilis_35, PhedwardCullen_35, CrazyRich_35, Ganandorf_35
- Track 174 : SirFrank_35
- Track 175 : EarickHC_36, KaiHaiDragon_36
- Track 176 : Zapato_35
- Track 177 : RobsFeet_37
- Track 178 : Shrubaron_36
- Track 179 : Jefe_36
- Track 180 : Ramiel05_35, Rockwell_35, Savannah_35, Crisis_37, Kowalski_35
- Track 181 : Nicole72_31
- Track 182 : NoodlelyBoi_36
- Track 183 : Selwyn23_37
- Track 184 : Skugga_34
- Track 185 : Merry_, Sunny_
- Track 186 : Megan_30
- Track 187 : Metamorphoo_36
- Track 188 : Teamocil_37, Gina_37
- Track 189 : PierreOrion_36
- Track 190 : ClearAsMud_38
- Track 191 : Paschalis_35
- Track 192 : Jayden_37

- Track 193 : Ariadne_44, Smarties_44
- Track 194 : SuMoo_14
- Track 195 : Gretchen_15, SuperHands_15, Forester_15, Percival_15
- Track 196 : Floof_15
- Track 197 : Mabodamaca_15
- Track 198 : Cinna_31
- Track 199 : Margaery_31
- Track 200 : Terij_32
- Track 201 : Matzah_32
- Track 202 : Kozie_32
- Track 203 : MementoMori_32
- Track 204 : Cressida_33
- Track 205 : Sucha_16
- Track 206 : Johann_20, Goodman_20
- Track 207 : Htur_19, Rasovi_19, Linayshia_19
- Track 208 : Benry_19
- Track 209 : Typher_21, AyoTeo_21, Labella_21
- Track 210 : Rootkit7_19, SBlackberry_19, Alove_19
- Track 211 : Cicada_21
- Track 212 : IndiRoo_19
- Track 213 : TurboVicky_19
- Track 214 : FireCastle_19
- Track 215 : PermaG_20
- Track 216 : Jera_20
- Track 217 : Olympi_21
- Track 218 : Zanella_19
- Track 219 : Milani_20
- Track 220 : BlackJade_23
- Track 221 : Hirko_18
- Track 222 : GoldDust_19
- Track 223 : Music_19
- Track 224 : Gooberta_19
- Track 225 : Vibaki_19
- Track 226 : AnnabelLee_17
- Track 227 : Makima_18
- Track 228 : Neuville_17, Roberts_17, Gerri43_17, ChipsNGuac_17
- Track 229 : CardboardBox_18, ChamoyPickle_18
- Track 230 : Agamoto_19
- Track 231 : TripleC_20
- Track 232 : Studio_18
- Track 233 : LastNadiia_20, Audell_20
- Track 234 : Ezurina_16
- Track 235 : TMaxx_17
- Track 236 : Mireles_17
- Track 237 : JrWilcox_69
- Track 238 : MisoSoup_28
- Track 239 : FuzzBuster_40

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

The start number called the most often in the published annotations is 61, it was called in 156 of the 308 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AEgle_16, AGrandiflora_16, AceofSpades_15, Adolin_16, Adumb2043_16, AinMach_15, Albanese_18, Aledel_14, Amploria_16, Amyev_16, AppleCider_18, Asa16_16, Ascela_16, Ashes_16, AustinPowers_14, Beaupre_16, Beethoven_18, Bennie_14, Berrie_16, BigMack_14, Bodacious_14, BrotherBLo_18, CallieOMalley_18, Canowicakte_18, Cappuccino_16, Carpal_18, Cassia_16, ChewChew_14, Cholula_18, Chridison_14, Christian_14, Community_16, Crewmate_17, CristinaYang_14, Cyan_16, Daiboju_14, Dino_18, Donkey_16, DrManhattan_16, DrRobert_14, DrSierra_16, DreamTeam_14, Elezi_16, Emotion_15, Eraser_16, EstebanJulior_14, Eunioia_14, FiveHead_15, Fluke_18, Flutur_16, Gambol_16, Giorgio_16, Gisselle_14, Glenn_18, Graynor_18, GreenHearts_18, Greenhouse_18, Gumpizza_16, Halsey_16, HeadNerd_14, Herb_14, Huckleberry_14, HunterDalle_14, Huntingdon_18, IUFootball_15, Immaculata_18, Iter_16, IttyBittyPiggy_16, Janeemi_17, JasmineDragon_15, Joann_18, Joemato_16, JohnDoe_16, JohnThicc_15, Jstan_16, Jumboset_18, JuneStar_16, Kalimba_16, Kalizoi_18, Kaylissa_16, KeAlii_16, KingBob_14, Kittykat_14, Korra_19, LadyAstra_15, Lakshmi_18, Lasagna_14, Lego_16, Lennox_14, Liebe_15, LilStuart_14, Litotes_18, Lizalica_16, London_16, Lucy_14, MaGuCo_15, Makoto_14, MamaPearl_14, Maria1952_14, Maureen_15, MeganNoll_18, Michkear_19, MiniMommy_15, Misaeng_18, MissSwiss_16, Moki_14, Moss_16, MrBoss_18, MrGloopy_18, Mudpuppy_16, Mysterium_16, Nancia_14, Niobe_16, Nitro_16, Nubia_18, OMalley_14, ObiToo_16, Origami_15, OurGirlNessie_14, Oxyfnrius_18, PandaPo_16, PartyCup_18, Phives_17, PinkFriday_14, PitaDog_14, Pixelle_16, Potatoes_18, Powerpuff_16, Preamble_14, Pterodactyl_14, Pumancara_14, Pumpkins_16, RAP15_18, RcigaStruga_18, Reedo_16, Riovina_14, Riverdale_18, RockScotty_16, Rozby_18, Sabourin_16, Savage2526_18, Schaffner_16, Scuttle_18, Sergei_14, ShakeltOph_15, Simpson_18, Skelbel_16, Snek_16, Sooty_16, SpecialK_16, Stuu_16, Subaru_16, Sue2_16, Supakev_14, Suppi_18, Tallboi_16, TattModd_18, Tbone_16, Temper16_14, TforTroy_16, ThursdayNight_14, Tian_16, Tuck_17, Turab_16, Tutumahutu_16, Tweety19_16, Urla_14, VResidence_16, Vallejo_18, VroomVroom_15, Vulture_14, Warda_16, Wawa_18, Wayne_18, Wildwest_17, WonderBoy_14, Yang_16, YesChef_16, Zorro_18,

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

- Edmundo_67, Laroye_67, LiSara_64, Salgado_67, Shrooms_65, Wheelbite_63,

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

- ATCC29399BC_14, ATCC29399BT_14, Abba_18, Agamoto_19, Alove_19, AnnabelLee_17, Antares_36, Aquarius_14, Ariadne_44, Attacne_14, Audell_20, AyoTeo_21, BeagleBug_35, Benry_19, BlackJade_23, BrazzalePHS_35, BruceLethal_14, Busephilis_35, CardboardBox_18, ChamoyPickle_18, ChipsNGuac_17, Cicada_21, Cinna_31, ClearAsMud_38, Cota_14, Cranjis_37, CrazyRich_35, Cressida_33, Crisis_37, DrParker_14, EarickHC_36, Enochoraptor_14, Enoki_14, Ezurina_16, FireCastle_19, Floof_15, Forester_15, FuzzBuster_40, Ganandorf_35, Germa_37, Gerri43_17, Gina_37, Glorp_37, GoldDust_19, Gooberta_19, Goodman_20, Gretchen_15, Hermeonysus_35, Hirko_18, Honeyfin_37, Htur_19, IndiRoo_19, Jayden_37, Jefe_36, Jera_20, Johann_20, Jollipop_36, JrWilcox_69, KaiHaiDragon_36, Keiki_14, Kowalski_35, Kozie_32, Kubed_14, Labella_21, LastNadiia_20, Lauchelly_14, Leviosa_14, LilBandit_14, Linayshia_19, LittleFortune_37, Lucretia_36, MEAK_14,

Mabodamaca_15, Makima_18, Margaery_31, Matzah_32, Megan_30, MementoMori_32, Merry_, Metamorphoo_36, Milani_20, Mireles_17, MisoSoup_28, Moyashi_14, MrAK_14, Music_19, Neuville_17, Nicole72_31, NoodlelyBoi_36, Nostromo_18, Olympi_21, Onika_35, Ouroboros_14, P1.1_14, P100.1_14, P100A_14, P100D_14, P101A_14, P104A_14, P104B_14, P105_14, P106A_14, P106C_14, P106I_14, P106L_14, P106M_14, P107A_14, P107C_14, P108C_14, P14.4_14, P9.1_14, PA6_14, PAD20_14, PAS50_14, PHL010M04_14, PHL037M02_14, PHL060L00_14, PHL067M10_14, PHL071N05_14, PHL111M01_14, PHL112N00_14, PHL113M01_14, PHL114L00_14, Paschalis_35, Percival_15, PermaG_20, PhedwardCullen_35, Phorgeous_35, Phrancesco_36, PierreOrion_36, PiperSansNom_36, Piperis_36, Pirate_14, Procrass1_14, Pulchra_37, QueenBey_14, Quhwah_39, Ramiel05_35, Rasovi_19, Rileysaurus_14, Roberts_17, RobsFeet_37, Rockwell_35, Rootkit7_19, SBlackberry_19, SKKY_14, Savannah_35, Scumberland_37, Selwyn23_37, Shotgun_35, Shrubaron_36, Sicarius2_20, SirFrank_35, Skugga_34, Smarties_44, Solid_14, Stormborn_14, Studio_18, SuMoo_14, Sucha_16, Sunny_, SuperHands_15, Supernova_14, TMaxx_17, Teamocil_37, Terij_32, TripleC_20, TurboVicky_19, Typher_21, Vibaki_19, Waltz_64, Wizzo_14, Wyborn_20, Yeti_36, Zanella_19, Zapato_35,

Summary by start number:

Start 1:

- Found in 1 of 361 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hirko_18 (FL),

Start 2:

- Found in 7 of 361 (1.9%) of genes in pham
- Manual Annotations of this start: 4 of 308
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Abba_18 (AO3), BlackJade_23 (FL), GoldDust_19 (FL), Gooberta_19 (FL), Music_19 (FL), Vibaki_19 (FL),

Start 16:

- Found in 7 of 361 (1.9%) of genes in pham
- Manual Annotations of this start: 7 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Floof_15 (EH), Forester_15 (EH), Gretchen_15 (EH), Mabodamaca_15 (EH), Percival_15 (EH), SuMoo_14 (EH), SuperHands_15 (EH),

Start 19:

- Found in 2 of 361 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sicarius2_20 (AO2), Wyborn_20 (AO2),

Start 20:

- Found in 1 of 361 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nostromo_18 (AO3),

Start 44:

- Found in 7 of 361 (1.9%) of genes in pham
- Manual Annotations of this start: 7 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Edmundo_67 (AL), Laroye_67 (AL), LiSara_64 (AL), Salgado_67 (AL), Shrooms_65 (AL), Waltz_64 (AL), Wheelbite_63 (AL),

Start 54:

- Found in 1 of 361 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JrWilcox_69 (GL),

Start 56:

- Found in 8 of 361 (2.2%) of genes in pham
- Manual Annotations of this start: 3 of 308
- Called 62.5% of time when present
- Phage (with cluster) where this start called: ChipsNGuac_17 (FR), Gerri43_17 (FR), Neuville_17 (FR), Roberts_17 (FR), Studio_18 (FR),

Start 57:

- Found in 16 of 361 (4.4%) of genes in pham
- Manual Annotations of this start: 8 of 308
- Called 68.8% of time when present
- Phage (with cluster) where this start called: Agamoto_19 (FR), AnnabelLee_17 (FR), Audell_20 (FR), CardboardBox_18 (FR), ChamoyPickle_18 (FR), Ezurina_16 (FR), LastNadiia_20 (FR), Makima_18 (FR), Mireles_17 (FR), TMaxx_17 (FR), TripleC_20 (FR),

Start 59:

- Found in 1 of 361 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MisoSoup_28 (GM),

Start 60:

- Found in 60 of 361 (16.6%) of genes in pham
- Manual Annotations of this start: 54 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antares_36 (EC), Ariadne_44 (EC), BeagleBug_35 (EC), BrazzalePHS_35 (EC), Busephilis_35 (EC), Cinna_31 (EI), ClearAsMud_38 (EC), Cranjis_37 (EC), CrazyRich_35 (EC), Cressida_33 (EI), Crisis_37 (EC), EarickHC_36 (EC), FuzzBuster_40 (GM), Ganandorf_35 (EC), Germa_37 (EC), Gina_37 (EC), Glorp_37 (EC), Hermeonysus_35 (EC), Honeyfin_37 (EC), Jayden_37 (EC), Jefe_36 (EC), Jollipop_36 (EC), KaiHaiDragon_36 (EC), Kowalski_35 (EC), Kozi_32 (EI), LittleFortune_37 (EC), Lucretia_36 (EC), Margaery_31 (EI), Matzah_32 (EI), MementoMori_32 (EI), Merry_ (EC), Metamorphoo_36 (EC), Nicole72_31 (EC), NoodlelyBoi_36 (EC), Onika_35 (EC), Paschalis_35 (EC), PhedwardCullen_35 (EC), Phorgeous_35 (EC), Phrancesco_36 (EC), PierreOrion_36 (EC), PiperSansNom_36 (EC), Piperis_36 (EC), Pulchra_37 (EC), Quhwah_39 (EC), Ramiel05_35 (EC), RobsFeet_37 (EC), Rockwell_35 (EC),

Savannah_35 (EC), Scumberland_37 (EC), Selwyn23_37 (EC), Shotgun_35 (EC), Shrubaron_36 (EC), SirFrank_35 (EC), Skugga_34 (EC), Smarties_44 (EC), Sunny_ (EC), Teamocil_37 (EC), Terij_32 (EI), Yeti_36 (EC), Zapato_35 (EC),

Start 61:

- Found in 185 of 361 (51.2%) of genes in pham
- Manual Annotations of this start: 156 of 308
- Called 96.8% of time when present
- Phage (with cluster) where this start called: AEgle_16 (AZ1), AGrandiflora_16 (AZ1), AceofSpades_15 (AZ4), Adolin_16 (AZ1), Adumb2043_16 (AZ1), AinMach_15 (AZ7), Albanese_18 (AK), Aledel_14 (AK), Amploria_16 (AZ1), Amyev_16 (AZ1), AppleCider_18 (AK), Asa16_16 (AZ1), Ascela_16 (AZ1), Ashes_16 (AZ5), AustinPowers_14 (AK), Beaupre_16 (AZ5), Beethoven_18 (AK), Bennie_14 (AK), Berrie_16 (AZ1), BigMack_14 (AK), Bodacious_14 (AK), BrotherBLo_18 (AK), CallieOMalley_18 (AK), Canowicakte_18 (AK), Cappuccino_16 (AZ5), Carpal_18 (AK), Cassia_16 (AZ1), ChewChew_14 (AK), Cholula_18 (AK), Chridison_14 (AK), Christian_14 (AK), Community_16 (AZ1), Crewmate_17 (AZ1), CristinaYang_14 (AK), Cyan_16 (AZ1), Daiboju_14 (AK), Dino_18 (AK), Donkey_16 (AZ5), DrManhattan_16 (AZ1), DrRobert_14 (AK), DrSierra_16 (AZ1), DreamTeam_14 (AK), Elezi_16 (AZ1), Emotion_15 (AZ4), Eraser_16 (AZ1), EstebanJulior_14 (AK), Eunoia_14 (AK), FiveHead_15 (AZ4), Fluke_18 (AK), Flutur_16 (AZ), Gambol_16 (AZ5), Giorgio_16 (AZ5), Gisselle_14 (AK), Glenn_18 (AK), Graynor_18 (AK), GreenHearts_18 (AK), Greenhouse_18 (AK), Gumpizza_16 (AZ5), Halsey_16 (AZ5), HeadNerd_14 (AK), Herb_14 (AK), Huckleberry_14 (AK), HunterDalle_14 (AK), Huntingdon_18 (AK), IUFootball_15 (AZ2), Immaculata_18 (AK), Iter_16 (AZ1), IttyBittyPiggy_16 (AZ1), Janeemi_17 (AZ1), JasmineDragon_15 (AZ4), Joann_18 (AK), Joemato_16 (AZ1), JohnDoe_16 (AZ1), JohnThicc_15 (AZ4), Jstan_16 (AZ1), Jumboset_18 (AK), JuneStar_16 (AZ1), Kalimba_16 (AZ5), Kalizoi_18 (AK), Kaylissa_16 (AZ1), KeAlii_16 (AZ1), KingBob_14 (AK), Kittykat_14 (AK), Korra_19 (AK), LadyAstra_15 (AZ4), Lakshmi_18 (AK), Lasagna_14 (AK), Lego_16 (AZ1), Lennox_14 (AK), Liebe_15 (AZ2), LilStuart_14 (AK), Litotes_18 (AK), Lizalica_16 (AZ1), London_16 (AZ1), Lucy_14 (AK), MaGuCo_15 (AZ2), Makoto_14 (AK), MamaPearl_14 (AK), Maria1952_14 (AK), Maureen_15 (AZ2), MeganNoll_18 (AK), Michkear_19 (AZ), MiniMommy_15 (AZ4), Misaeng_18 (AK), MissSwiss_16 (AZ1), Moki_14 (AK), Moss_16 (AZ5), MrBoss_18 (AK), MrGloopy_18 (AK), Mudpuppy_16 (AZ1), Mysterium_16 (AZ5), Nancia_14 (AK), Niobe_16 (AZ1), Nitro_16 (AZ1), Nubia_18 (AK), OMalley_14 (AK), ObiToo_16 (AZ1), Origami_15 (AZ4), OurGirlNessie_14 (AK), Oxyfnrius_18 (AK), PandaPo_16 (AZ1), PartyCup_18 (AK), Phives_17 (AZ1), PinkFriday_14 (AK), PitaDog_14 (AK), Pixelle_16 (AZ1), Potatoes_18 (AK), Powerpuff_16 (AZ1), Preamble_14 (AK), Pterodactyl_14 (AK), Pumancara_14 (AK), Pumpkins_16 (AZ1), RAP15_18 (AK), RcigaStruga_18 (AK), Reedo_16 (AZ1), Riovina_14 (AK), Riverdale_18 (AK), RockScotty_16 (AZ5), Rozby_18 (AK), Sabourin_16 (AZ5), Savage2526_18 (AK), Schaffner_16 (AZ1), Scuttle_18 (AK), Sergei_14 (AK), ShakeltOph_15 (AZ4), Simpson_18 (AZ1), Skelbel_16 (AZ1), Snek_16 (AZ3), Sooty_16 (AZ5), SpecialK_16 (AZ5), Stuu_16 (AZ5), Subaru_16 (AZ1), Sue2_16 (AZ1), Supakev_14 (AK), Suppi_18 (AK), Tallboi_16 (AZ1), TattModd_18 (AK), Tbone_16 (AZ1), Temper16_14 (AK), TforTroy_16 (AZ1), ThursdayNight_14 (AZ), Tian_16 (AZ1), Tuck_17 (AZ1), Turab_16 (AZ1), Tutumahutu_16 (AZ1), Tweety19_16 (AZ3), Urla_14 (AK), VResidence_16 (AZ1), Vallejo_18 (AK), VroomVroom_15 (AZ4), Vulture_14 (AK), Warda_16 (AZ1), Wawa_18 (AK), Wayne_18 (AK), Wildwest_17 (AZ1), WonderBoy_14 (AK), Yang_16 (AZ1), YesChef_16 (AZ1), Zorro_18 (AK),

Start 62:

- Found in 57 of 361 (15.8%) of genes in pham
- Manual Annotations of this start: 45 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_14 (BU), ATCC29399BT_14 (BU), Aquarius_14 (BU), Attacne_14 (BU), BruceLethal_14 (BU), Cota_14 (BU), DrParker_14 (BU), Enochoraptor_14 (BU), Enoki_14 (BU), Keiki_14 (BU), Kubed_14 (BU), Lauchelly_14 (BU), Leviosa_14 (BU), LilBandit_14 (BU), MEAK_14 (BU), Moyashi_14 (BU), MrAK_14 (BU), Ouroboros_14 (BU), P1.1_14 (BU), P100.1_14 (BU), P100A_14 (BU), P100D_14 (BU), P101A_14 (BU), P104A_14 (BU), P104B_14 (BU), P105_14 (BU), P106A_14 (BU), P106C_14 (BU), P106I_14 (BU), P106L_14 (BU), P106M_14 (BU), P107A_14 (BU), P107C_14 (BU), P108C_14 (BU), P14.4_14 (BU), P9.1_14 (BU), PA6_14 (BU), PAD20_14 (BU), PAS50_14 (BU), PHL010M04_14 (BU), PHL037M02_14 (BU), PHL060L00_14 (BU), PHL067M10_14 (BU), PHL071N05_14 (BU), PHL111M01_14 (BU), PHL112N00_14 (BU), PHL113M01_14 (BU), PHL114L00_14 (BU), Pirate_14 (BU), Procrass1_14 (BU), QueenBey_14 (BU), Rileysaurus_14 (BU), SKKY_14 (BU), Solid_14 (BU), Stormborn_14 (BU), Supernova_14 (BU), Wizzo_14 (BU),

Start 67:

- Found in 22 of 361 (6.1%) of genes in pham
- Manual Annotations of this start: 19 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alove_19 (EJ), AyoTeo_21 (EJ), Benry_19 (EJ), Cicada_21 (EJ), FireCastle_19 (EJ), Goodman_20 (EJ), Htur_19 (EJ), IndiRoo_19 (EJ), Jera_20 (EJ), Johann_20 (EJ), Labella_21 (EJ), Linayshia_19 (EJ), Milani_20 (EJ), Olympi_21 (EJ), PermaG_20 (EJ), Rasovi_19 (EJ), Rootkit7_19 (EJ), SBlackberry_19 (EJ), Sucha_16 (EJ), TurboVicky_19 (EJ), Typher_21 (EJ), Zanella_19 (EJ),

Start 173:

- Found in 1 of 361 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 308
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Megan_30 (EC),

Summary by clusters:

There are 20 clusters represented in this pham: FR, AZ3, EI, EH, EJ, FL, AK, AL, EC, BU, AZ2, GL, AO3, AO2, AZ1, GM, AZ, AZ4, AZ5, AZ7,

Info for manual annotations of cluster AK:

- Start number 61 was manually annotated 84 times for cluster AK.

Info for manual annotations of cluster AL:

- Start number 44 was manually annotated 7 times for cluster AL.

Info for manual annotations of cluster AO2:

- Start number 19 was manually annotated 2 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 2 was manually annotated 1 time for cluster AO3.
- Start number 20 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster AZ1:

- Start number 61 was manually annotated 46 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 61 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 61 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 61 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 61 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster BU:

- Start number 62 was manually annotated 45 times for cluster BU.

Info for manual annotations of cluster EC:

- Start number 60 was manually annotated 46 times for cluster EC.
- Start number 173 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EH:

- Start number 16 was manually annotated 7 times for cluster EH.

Info for manual annotations of cluster EI:

- Start number 60 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster EJ:

- Start number 67 was manually annotated 19 times for cluster EJ.

Info for manual annotations of cluster FL:

- Start number 1 was manually annotated 1 time for cluster FL.
- Start number 2 was manually annotated 3 times for cluster FL.

Info for manual annotations of cluster FR:

- Start number 56 was manually annotated 3 times for cluster FR.
- Start number 57 was manually annotated 8 times for cluster FR.

Info for manual annotations of cluster GM:

- Start number 60 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: AEgle_16 Start: 10734, Stop: 13058, Start Num: 61

Candidate Starts for AEgle_16:

(Start: 61 @10734 has 156 MA's), (97, 10890), (101, 10899), (106, 10914), (122, 10980), (137, 11040), (146, 11085), (162, 11157), (181, 11238), (182, 11241), (187, 11271), (206, 11325), (215, 11355), (228, 11412), (234, 11436), (247, 11496), (249, 11502), (344, 11721), (421, 11817), (433, 11850), (462, 11937), (481, 11991), (494, 12033), (506, 12072), (525, 12132), (572, 12273), (640, 12402), (642, 12411), (672, 12522), (724, 12654), (725, 12657), (734, 12690), (750, 12768), (759, 12807), (777, 12867), (809, 12957),

Gene: AGrandiflora_16 Start: 10727, Stop: 13042, Start Num: 61

Candidate Starts for AGrandiflora_16:

(Start: 61 @10727 has 156 MA's), (97, 10883), (101, 10892), (122, 10973), (124, 10985), (137, 11033), (138, 11036), (146, 11078), (162, 11150), (181, 11231), (182, 11234), (187, 11264), (206, 11318), (215, 11348), (228, 11405), (234, 11429), (247, 11489), (344, 11714), (421, 11810), (444, 11873), (446, 11882), (462, 11930), (464, 11939), (468, 11951), (481, 11984), (494, 12026), (506, 12065), (525, 12125), (572, 12266), (609, 12341), (623, 12353), (640, 12395), (642, 12404), (648, 12428), (666, 12497), (672, 12515), (721, 12626), (724, 12647), (725, 12650), (734, 12683), (750, 12761), (759, 12800), (777, 12860), (789, 12890), (809, 12941), (825, 12986), (837, 13031),

Gene: ATCC29399BC_14 Start: 8502, Stop: 11267, Start Num: 62

Candidate Starts for ATCC29399BC_14:

(Start: 62 @8502 has 45 MA's), (66, 8529), (68, 8535), (70, 8547), (72, 8556), (79, 8589), (80, 8592), (87, 8622), (90, 8637), (92, 8643), (95, 8649), (101, 8664), (102, 8667), (116, 8715), (123, 8745), (128, 8772), (130, 8781), (139, 8814), (143, 8835), (147, 8856), (153, 8886), (156, 8901), (160, 8919), (164, 8928), (166, 8931), (170, 8949), (182, 9006), (185, 9021), (187, 9036), (188, 9039), (191, 9051), (197, 9066), (198, 9069), (199, 9075), (209, 9111), (212, 9120), (213, 9123), (222, 9165), (224, 9177), (234, 9222), (243, 9267), (249, 9288), (255, 9309), (261, 9330), (266, 9342), (271, 9351), (276, 9363), (283, 9384), (285, 9387), (290, 9399), (293, 9417), (295, 9426), (299, 9438), (301, 9450), (305, 9462), (307, 9471), (313, 9492), (314, 9498), (318, 9513), (319, 9519), (323, 9528), (330, 9549), (350, 9615), (360, 9645), (368, 9675), (377, 9708), (386, 9729), (394, 9765), (397, 9774), (399, 9780), (403, 9795), (407, 9807), (416, 9834), (421, 9849), (423, 9858), (433, 9888), (442, 9915), (444, 9921), (446, 9930), (462, 9978), (467, 9996), (468, 9999), (469, 10002), (473, 10014), (480, 10035), (481, 10041), (488, 10068), (491, 10074), (492, 10077), (495, 10086), (496, 10089), (498, 10095), (502, 10110), (506, 10122), (523, 10176), (526, 10185), (528, 10191), (529, 10194), (530, 10197), (535, 10215), (537, 10224), (538, 10227), (547, 10248), (548, 10251), (551, 10260), (554, 10269), (565, 10305), (582, 10359), (587, 10371), (592, 10380), (597, 10389), (601, 10404), (616, 10464), (620, 10479), (624, 10491), (635, 10533), (646, 10578), (651, 10599), (652, 10608), (659, 10641), (669, 10668), (679, 10710), (680, 10719), (688, 10731), (691, 10743), (693, 10752), (703, 10773), (711, 10806), (713, 10815), (714, 10818), (715, 10821), (719, 10839), (720, 10842), (721, 10851), (725, 10875), (727, 10884), (728, 10887), (730, 10896), (733, 10905), (741, 10938), (742, 10941), (744, 10965), (755, 11004), (762, 11034), (764, 11040), (765, 11049), (767, 11058), (780, 11100), (784, 11112), (794, 11148), (799, 11166), (801, 11169), (804, 11175), (825, 11244), (830, 11253), (832, 11262),

Gene: ATCC29399BT_14 Start: 8499, Stop: 11264, Start Num: 62

Candidate Starts for ATCC29399BT_14:

(Start: 62 @8499 has 45 MA's), (66, 8526), (68, 8532), (70, 8544), (72, 8553), (76, 8577), (80, 8589), (90, 8634), (92, 8640), (95, 8646), (101, 8661), (102, 8664), (111, 8694), (116, 8712), (123, 8742), (128, 8769), (130, 8778), (139, 8811), (143, 8832), (147, 8853), (153, 8883), (160, 8916), (164, 8925), (166, 8928), (170, 8946), (182, 9003), (185, 9018), (187, 9033), (188, 9036), (191, 9048), (197, 9063), (198, 9066), (200, 9075), (209, 9108), (212, 9117), (213, 9120), (222, 9162), (224, 9174), (234, 9219), (243, 9264), (249, 9285), (255, 9306), (266, 9339), (276, 9360), (283, 9381), (285, 9384), (290, 9396), (293, 9414), (295, 9423), (299, 9435), (301, 9447), (307, 9468), (313, 9489), (314, 9495), (318, 9510), (319, 9516), (323, 9525), (330, 9546), (337, 9570), (346, 9600), (350, 9612), (353, 9621), (354, 9624), (360, 9642), (368, 9672), (377, 9705), (380, 9714), (386, 9726), (394, 9762), (397, 9771), (403, 9792), (407, 9804), (416, 9831), (421, 9846), (423, 9855), (433, 9885), (437, 9897), (441, 9909), (442, 9912),

(444, 9918), (446, 9927), (453, 9951), (462, 9975), (467, 9993), (468, 9996), (469, 9999), (472, 10008),
(473, 10011), (480, 10032), (481, 10038), (487, 10062), (488, 10065), (492, 10074), (495, 10083),
(496, 10086), (498, 10092), (502, 10107), (506, 10119), (508, 10125), (518, 10158), (523, 10173),
(526, 10182), (528, 10188), (529, 10191), (530, 10194), (535, 10212), (537, 10221), (538, 10224),
(547, 10245), (548, 10248), (551, 10257), (554, 10266), (565, 10302), (582, 10356), (587, 10368),
(592, 10377), (597, 10386), (601, 10401), (616, 10461), (620, 10476), (624, 10488), (635, 10530),
(646, 10575), (651, 10596), (652, 10605), (659, 10638), (669, 10665), (679, 10707), (680, 10716),
(688, 10728), (693, 10749), (711, 10803), (713, 10812), (715, 10818), (719, 10836), (721, 10848),
(725, 10872), (727, 10881), (728, 10884), (730, 10893), (733, 10902), (737, 10914), (742, 10938),
(744, 10962), (755, 11001), (762, 11031), (764, 11037), (765, 11046), (767, 11055), (774, 11079),
(780, 11097), (784, 11109), (794, 11145), (799, 11163), (801, 11166), (825, 11241), (830, 11250),
(832, 11259),

Gene: Abba_18 Start: 13503, Stop: 16706, Start Num: 2

Candidate Starts for Abba_18:

(Start: 2 @13503 has 4 MA's), (6, 13623), (7, 13659), (27, 13989), (63, 14157), (81, 14253), (85,
14271), (91, 14292), (105, 14340), (145, 14523), (151, 14556), (194, 14745), (196, 14754), (204,
14784), (208, 14799), (214, 14832), (227, 14892), (236, 14934), (254, 15009), (265, 15048), (300,
15144), (306, 15165), (314, 15198), (359, 15339), (389, 15441), (395, 15465), (397, 15471), (417,
15534), (436, 15597), (438, 15603), (480, 15738), (497, 15798), (518, 15867), (520, 15873), (533,
15915), (560, 15978), (571, 16017), (601, 16095), (607, 16116), (677, 16293), (717, 16362), (725,
16404), (732, 16431), (741, 16470), (776, 16596),

Gene: AceofSpades_15 Start: 8983, Stop: 11226, Start Num: 61

Candidate Starts for AceofSpades_15:

(Start: 61 @8983 has 156 MA's), (80, 9070), (106, 9151), (112, 9172), (127, 9238), (151, 9343), (178,
9454), (180, 9460), (206, 9556), (217, 9598), (250, 9745), (332, 9880), (342, 9907), (364, 9940), (425,
10024), (439, 10063), (451, 10102), (463, 10126), (470, 10150), (473, 10159), (479, 10177), (485,
10204), (490, 10219), (501, 10255), (505, 10267), (519, 10312), (521, 10318), (539, 10378), (546,
10396), (555, 10420), (568, 10462), (569, 10465), (578, 10495), (639, 10603), (724, 10858), (727,
10870), (745, 10954), (748, 10960), (755, 10990),

Gene: Adolin_16 Start: 10723, Stop: 12957, Start Num: 61

Candidate Starts for Adolin_16:

(Start: 61 @10723 has 156 MA's), (76, 10798), (97, 10879), (101, 10888), (110, 10915), (122, 10969),
(124, 10981), (137, 11029), (140, 11041), (148, 11083), (162, 11146), (181, 11227), (182, 11230),
(187, 11260), (215, 11344), (228, 11401), (234, 11425), (242, 11467), (247, 11485), (256, 11515),
(275, 11554), (282, 11572), (333, 11644), (334, 11647), (342, 11665), (409, 11710), (429, 11767),
(444, 11806), (446, 11815), (462, 11863), (464, 11872), (494, 11959), (498, 11971), (506, 11998),
(512, 12016), (525, 12058), (559, 12160), (579, 12220), (625, 12292), (637, 12319), (640, 12328),
(662, 12418), (669, 12439), (686, 12472), (714, 12526), (719, 12547), (748, 12679), (755, 12709),
(821, 12892),

Gene: Adumb2043_16 Start: 10733, Stop: 13057, Start Num: 61

Candidate Starts for Adumb2043_16:

(Start: 61 @10733 has 156 MA's), (97, 10889), (101, 10898), (106, 10913), (122, 10979), (137, 11039),
(146, 11084), (162, 11156), (181, 11237), (182, 11240), (187, 11270), (206, 11324), (215, 11354),
(228, 11411), (234, 11435), (247, 11495), (249, 11501), (344, 11720), (421, 11816), (433, 11849),
(462, 11936), (481, 11990), (494, 12032), (506, 12071), (525, 12131), (572, 12272), (640, 12401),
(642, 12410), (672, 12521), (724, 12653), (725, 12656), (734, 12689), (750, 12767), (759, 12806),
(777, 12866), (809, 12956),

Gene: Agamoto_19 Start: 12614, Stop: 14902, Start Num: 57

Candidate Starts for Agamoto_19:

(48, 12578), (Start: 57 @12614 has 8 MA's), (92, 12755), (150, 12974), (151, 12977), (178, 13088), (179, 13091), (180, 13094), (217, 13232), (229, 13289), (250, 13379), (252, 13388), (258, 13409), (334, 13550), (335, 13556), (425, 13715), (440, 13757), (450, 13790), (462, 13814), (473, 13850), (480, 13871), (491, 13913), (493, 13919), (494, 13922), (519, 14003), (528, 14030), (532, 14045), (536, 14057), (543, 14081), (549, 14096), (552, 14102), (556, 14114), (558, 14120), (564, 14141), (565, 14144), (569, 14156), (574, 14174), (655, 14363), (669, 14408), (674, 14429), (675, 14432), (721, 14528), (724, 14549), (725, 14552), (734, 14585), (759, 14702), (765, 14726), (767, 14735), (774, 14753), (809, 14843), (816, 14864),

Gene: AinMach_15 Start: 9852, Stop: 12212, Start Num: 61

Candidate Starts for AinMach_15:

(Start: 61 @9852 has 156 MA's), (97, 10008), (106, 10032), (122, 10098), (137, 10158), (162, 10275), (177, 10338), (181, 10356), (182, 10359), (187, 10389), (206, 10443), (215, 10473), (228, 10530), (234, 10554), (240, 10584), (242, 10596), (245, 10608), (247, 10614), (253, 10635), (462, 10980), (464, 10989), (525, 11175), (582, 11346), (600, 11391), (603, 11400), (609, 11424), (612, 11436), (617, 11460), (620, 11469), (623, 11478), (648, 11610), (657, 11655), (669, 11688), (674, 11709), (675, 11712), (719, 11796), (726, 11838), (748, 11928), (755, 11958),

Gene: Albanese_18 Start: 12660, Stop: 15221, Start Num: 61

Candidate Starts for Albanese_18:

(55, 12639), (Start: 61 @12660 has 156 MA's), (79, 12750), (88, 12789), (95, 12825), (114, 12885), (126, 12933), (128, 12948), (168, 13116), (178, 13161), (189, 13212), (190, 13215), (218, 13299), (262, 13485), (277, 13521), (281, 13533), (296, 13575), (326, 13686), (390, 13884), (418, 13977), (426, 14001), (427, 14004), (452, 14082), (453, 14088), (463, 14115), (472, 14145), (490, 14208), (495, 14223), (498, 14232), (499, 14235), (501, 14244), (509, 14268), (513, 14280), (515, 14286), (519, 14301), (521, 14307), (522, 14310), (529, 14331), (533, 14346), (537, 14361), (543, 14379), (546, 14385), (552, 14400), (555, 14409), (558, 14418), (568, 14451), (569, 14454), (572, 14466), (574, 14472), (578, 14484), (603, 14550), (607, 14565), (640, 14595), (642, 14604), (672, 14715), (692, 14751), (710, 14772), (724, 14847), (725, 14850), (739, 14904), (745, 14943), (759, 15000), (765, 15024), (780, 15066), (789, 15093), (814, 15162),

Gene: Aledel_14 Start: 9738, Stop: 12296, Start Num: 61

Candidate Starts for Aledel_14:

(Start: 61 @9738 has 156 MA's), (64, 9747), (69, 9777), (88, 9867), (114, 9963), (124, 10008), (128, 10026), (168, 10194), (189, 10290), (190, 10293), (193, 10308), (222, 10395), (277, 10599), (278, 10602), (305, 10686), (399, 10992), (418, 11052), (424, 11070), (426, 11076), (437, 11109), (441, 11121), (452, 11157), (461, 11184), (468, 11208), (470, 11214), (486, 11271), (494, 11295), (497, 11304), (501, 11319), (509, 11343), (513, 11355), (519, 11376), (521, 11382), (528, 11403), (535, 11427), (537, 11436), (543, 11454), (552, 11475), (554, 11481), (558, 11493), (568, 11526), (569, 11529), (572, 11541), (577, 11556), (578, 11559), (608, 11646), (655, 11736), (656, 11739), (672, 11790), (710, 11847), (711, 11856), (714, 11868), (724, 11922), (725, 11925), (739, 11979), (745, 12018), (757, 12066), (759, 12075), (765, 12099), (768, 12111), (802, 12207), (814, 12237),

Gene: Alove_19 Start: 13340, Stop: 15328, Start Num: 67

Candidate Starts for Alove_19:

(Start: 67 @13340 has 19 MA's), (76, 13379), (111, 13490), (117, 13505), (120, 13517), (162, 13709), (170, 13733), (217, 13916), (230, 13982), (254, 14078), (268, 14102), (325, 14189), (378, 14291), (390, 14315), (415, 14384), (425, 14417), (504, 14582), (522, 14615), (566, 14642), (571, 14660), (641, 14762), (644, 14774), (645, 14780), (666, 14861), (740, 15035), (754, 15101), (768, 15161), (772, 15170), (822, 15302),

Gene: Amploria_16 Start: 10733, Stop: 13057, Start Num: 61

Candidate Starts for Amploria_16:

(Start: 61 @10733 has 156 MA's), (97, 10889), (101, 10898), (106, 10913), (122, 10979), (137, 11039), (146, 11084), (162, 11156), (181, 11237), (182, 11240), (187, 11270), (206, 11324), (215, 11354), (228, 11411), (234, 11435), (247, 11495), (249, 11501), (344, 11720), (421, 11816), (433, 11849), (462, 11936), (481, 11990), (494, 12032), (506, 12071), (525, 12131), (572, 12272), (640, 12401), (642, 12410), (672, 12521), (724, 12653), (725, 12656), (750, 12767), (759, 12806), (777, 12866), (809, 12956),

Gene: Amyev_16 Start: 10746, Stop: 13070, Start Num: 61

Candidate Starts for Amyev_16:

(Start: 61 @10746 has 156 MA's), (97, 10902), (101, 10911), (122, 10992), (137, 11052), (146, 11097), (162, 11169), (176, 11229), (181, 11250), (182, 11253), (187, 11283), (206, 11337), (215, 11367), (228, 11424), (234, 11448), (247, 11508), (249, 11514), (295, 11634), (344, 11733), (421, 11829), (446, 11901), (462, 11949), (468, 11970), (481, 12003), (494, 12045), (506, 12084), (525, 12144), (530, 12159), (552, 12225), (597, 12348), (608, 12357), (640, 12414), (642, 12423), (655, 12480), (656, 12483), (672, 12534), (724, 12666), (725, 12669), (750, 12780), (759, 12819), (765, 12843), (809, 12969),

Gene: AnnabelLee_17 Start: 9570, Stop: 11855, Start Num: 57

Candidate Starts for AnnabelLee_17:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044), (217, 10188), (250, 10335), (262, 10377), (346, 10545), (353, 10566), (408, 10620), (455, 10761), (463, 10773), (473, 10806), (478, 10821), (493, 10875), (494, 10878), (501, 10902), (513, 10938), (516, 10947), (522, 10968), (525, 10977), (527, 10983), (529, 10989), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139), (578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385), (677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658), (765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: Antares_36 Start: 20847, Stop: 23714, Start Num: 60

Candidate Starts for Antares_36:

(Start: 60 @20847 has 54 MA's), (65, 20871), (141, 21180), (188, 21396), (202, 21450), (207, 21471), (215, 21501), (242, 21633), (248, 21654), (272, 21720), (278, 21735), (300, 21798), (313, 21849), (316, 21861), (333, 21912), (339, 21936), (341, 21939), (345, 21954), (353, 21978), (363, 22014), (369, 22035), (397, 22128), (402, 22146), (406, 22158), (421, 22203), (448, 22293), (457, 22320), (502, 22464), (515, 22503), (522, 22527), (526, 22539), (529, 22548), (540, 22587), (543, 22596), (551, 22617), (567, 22668), (575, 22695), (581, 22713), (602, 22767), (604, 22776), (609, 22794), (611, 22800), (614, 22812), (633, 22872), (635, 22881), (645, 22923), (649, 22941), (653, 22959), (654, 22965), (671, 23016), (687, 23097), (696, 23130), (698, 23145), (706, 23208), (707, 23211), (712, 23232), (714, 23241), (722, 23277), (729, 23316), (747, 23391), (753, 23415), (759, 23445), (765, 23469), (811, 23619), (812, 23622),

Gene: AppleCider_18 Start: 12612, Stop: 15167, Start Num: 61

Candidate Starts for AppleCider_18:

(55, 12591), (Start: 61 @12612 has 156 MA's), (70, 12660), (88, 12741), (93, 12765), (114, 12837), (126, 12885), (128, 12900), (129, 12906), (168, 13068), (178, 13113), (189, 13164), (190, 13167), (201, 13197), (218, 13251), (236, 13335), (270, 13458), (294, 13518), (300, 13536), (303, 13551), (317, 13602), (390, 13833), (409, 13902), (418, 13926), (424, 13944), (426, 13950), (444, 14004), (447, 14016), (453, 14037), (462, 14061), (487, 14148), (495, 14172), (497, 14178), (498, 14181), (501, 14193), (508, 14214), (509, 14217), (511, 14223), (513, 14229), (518, 14247), (519, 14250), (521, 14256), (529, 14280), (535, 14301), (537, 14310), (543, 14328), (552, 14349), (555, 14358), (558, 14367), (568, 14400), (569, 14403), (571, 14412), (572, 14415), (591, 14466), (672, 14664), (674, 14676), (689, 14697), (692, 14700), (724, 14796), (725, 14799), (739, 14853), (745, 14892),

(759, 14949), (772, 14991), (789, 15039), (802, 15081), (814, 15111),

Gene: Aquarius_14 Start: 8519, Stop: 11284, Start Num: 62

Candidate Starts for Aquarius_14:

(Start: 62 @8519 has 45 MA's), (66, 8546), (68, 8552), (70, 8564), (72, 8573), (79, 8606), (80, 8609), (90, 8654), (92, 8660), (101, 8681), (102, 8684), (116, 8732), (123, 8762), (128, 8789), (130, 8798), (139, 8831), (147, 8873), (153, 8903), (156, 8918), (160, 8936), (164, 8945), (166, 8948), (170, 8966), (181, 9020), (182, 9023), (185, 9038), (187, 9053), (188, 9056), (191, 9068), (197, 9083), (199, 9092), (209, 9128), (212, 9137), (213, 9140), (222, 9182), (224, 9194), (234, 9239), (243, 9284), (249, 9305), (255, 9326), (261, 9347), (266, 9359), (271, 9368), (283, 9401), (285, 9404), (290, 9416), (293, 9434), (295, 9443), (299, 9455), (301, 9467), (305, 9479), (307, 9488), (313, 9509), (314, 9515), (318, 9530), (319, 9536), (323, 9545), (330, 9566), (334, 9578), (350, 9632), (354, 9644), (360, 9662), (368, 9692), (371, 9704), (377, 9725), (380, 9734), (386, 9746), (394, 9782), (397, 9791), (403, 9812), (407, 9824), (416, 9851), (421, 9866), (423, 9875), (426, 9884), (433, 9905), (434, 9908), (437, 9917), (441, 9929), (442, 9932), (444, 9938), (446, 9947), (448, 9953), (453, 9971), (461, 9992), (462, 9995), (467, 10013), (468, 10016), (472, 10028), (473, 10031), (475, 10037), (476, 10040), (481, 10058), (486, 10079), (488, 10085), (491, 10091), (492, 10094), (494, 10100), (495, 10103), (496, 10106), (498, 10112), (505, 10136), (506, 10139), (508, 10145), (515, 10166), (518, 10178), (519, 10181), (521, 10187), (526, 10202), (528, 10208), (529, 10211), (535, 10232), (537, 10241), (538, 10244), (546, 10262), (547, 10265), (550, 10274), (551, 10277), (555, 10289), (558, 10298), (565, 10322), (568, 10331), (582, 10376), (587, 10388), (592, 10397), (597, 10406), (599, 10415), (620, 10496), (624, 10508), (635, 10550), (646, 10595), (651, 10616), (652, 10625), (659, 10658), (669, 10685), (679, 10727), (680, 10736), (688, 10748), (691, 10760), (693, 10769), (703, 10790), (714, 10835), (715, 10838), (719, 10856), (720, 10859), (721, 10868), (725, 10892), (728, 10904), (730, 10913), (733, 10922), (741, 10955), (742, 10958), (744, 10982), (755, 11021), (762, 11051), (764, 11057), (765, 11066), (767, 11075), (780, 11117), (784, 11129), (794, 11165), (799, 11183), (801, 11186), (804, 11192), (825, 11261), (830, 11270), (832, 11279),

Gene: Ariadne_44 Start: 22548, Stop: 25418, Start Num: 60

Candidate Starts for Ariadne_44:

(Start: 60 @22548 has 54 MA's), (65, 22572), (120, 22785), (128, 22830), (141, 22881), (184, 23070), (202, 23151), (207, 23172), (215, 23202), (242, 23334), (272, 23421), (278, 23436), (300, 23499), (313, 23550), (316, 23562), (339, 23637), (345, 23655), (354, 23682), (363, 23715), (369, 23736), (397, 23829), (405, 23856), (406, 23859), (421, 23904), (448, 23994), (474, 24072), (502, 24165), (515, 24204), (522, 24228), (525, 24237), (529, 24249), (533, 24264), (537, 24279), (551, 24318), (562, 24351), (564, 24360), (567, 24369), (575, 24396), (581, 24414), (604, 24477), (611, 24501), (614, 24513), (633, 24573), (635, 24582), (645, 24624), (649, 24642), (654, 24666), (669, 24714), (687, 24798), (695, 24825), (698, 24846), (706, 24909), (707, 24912), (714, 24942), (723, 24990), (727, 25008), (747, 25092), (753, 25116), (759, 25146), (765, 25170), (785, 25236), (817, 25335), (831, 25374), (838, 25404), (839, 25407),

Gene: Asa16_16 Start: 10703, Stop: 13027, Start Num: 61

Candidate Starts for Asa16_16:

(Start: 61 @10703 has 156 MA's), (96, 10856), (97, 10859), (101, 10868), (122, 10949), (137, 11009), (146, 11054), (162, 11126), (181, 11207), (182, 11210), (187, 11240), (206, 11294), (215, 11324), (228, 11381), (234, 11405), (247, 11465), (249, 11471), (256, 11495), (295, 11591), (344, 11690), (421, 11786), (433, 11819), (446, 11858), (462, 11906), (481, 11960), (494, 12002), (506, 12041), (512, 12059), (525, 12101), (556, 12194), (638, 12365), (642, 12380), (672, 12491), (724, 12623), (725, 12626), (734, 12659), (750, 12737), (759, 12776), (777, 12836), (809, 12926),

Gene: Ascela_16 Start: 10739, Stop: 13054, Start Num: 61

Candidate Starts for Ascela_16:

(Start: 61 @10739 has 156 MA's), (97, 10895), (104, 10913), (111, 10937), (122, 10985), (137, 11045), (146, 11090), (162, 11162), (182, 11246), (187, 11276), (206, 11330), (215, 11360), (228, 11417), (234, 11441), (247, 11501), (249, 11507), (344, 11726), (446, 11894), (462, 11942), (494, 12038), (506, 12077), (512, 12095), (525, 12137), (532, 12161), (552, 12218), (556, 12230), (597, 12341), (638, 12401), (642, 12416), (672, 12527), (721, 12638), (724, 12659), (725, 12662), (734, 12695), (750, 12773), (759, 12812), (789, 12902), (793, 12914), (825, 12998),

Gene: Ashes_16 Start: 10335, Stop: 12755, Start Num: 61

Candidate Starts for Ashes_16:

(Start: 61 @10335 has 156 MA's), (80, 10422), (113, 10527), (117, 10539), (128, 10599), (152, 10710), (174, 10791), (205, 10917), (210, 10932), (223, 10986), (269, 11160), (299, 11244), (304, 11265), (324, 11307), (383, 11433), (400, 11454), (416, 11487), (436, 11544), (450, 11586), (454, 11601), (471, 11652), (482, 11688), (483, 11694), (515, 11796), (521, 11817), (534, 11859), (556, 11919), (558, 11925), (572, 11973), (622, 12069), (674, 12246), (686, 12258), (713, 12309), (730, 12390), (745, 12459), (755, 12495), (778, 12576), (784, 12591), (810, 12663), (821, 12687),

Gene: Attacne_14 Start: 8505, Stop: 11270, Start Num: 62

Candidate Starts for Attacne_14:

(Start: 62 @8505 has 45 MA's), (66, 8532), (68, 8538), (70, 8550), (72, 8559), (79, 8592), (80, 8595), (87, 8625), (90, 8640), (92, 8646), (101, 8667), (102, 8670), (116, 8718), (123, 8748), (130, 8784), (139, 8817), (143, 8838), (147, 8859), (153, 8889), (156, 8904), (160, 8922), (164, 8931), (166, 8934), (170, 8952), (181, 9006), (182, 9009), (185, 9024), (187, 9039), (188, 9042), (191, 9054), (199, 9078), (209, 9114), (212, 9123), (213, 9126), (222, 9168), (224, 9180), (234, 9225), (243, 9270), (249, 9291), (255, 9312), (261, 9333), (266, 9345), (271, 9354), (283, 9387), (285, 9390), (290, 9402), (293, 9420), (295, 9429), (299, 9441), (301, 9453), (305, 9465), (307, 9474), (313, 9495), (314, 9501), (318, 9516), (319, 9522), (323, 9531), (330, 9552), (337, 9576), (346, 9606), (348, 9612), (350, 9618), (354, 9630), (360, 9648), (368, 9678), (377, 9711), (386, 9732), (394, 9768), (397, 9777), (398, 9780), (403, 9798), (407, 9810), (409, 9819), (421, 9852), (423, 9861), (426, 9870), (433, 9891), (442, 9918), (444, 9924), (446, 9933), (453, 9957), (462, 9981), (467, 9999), (468, 10002), (469, 10005), (472, 10014), (473, 10017), (481, 10044), (487, 10068), (492, 10080), (495, 10089), (496, 10092), (498, 10098), (502, 10113), (506, 10125), (508, 10131), (518, 10164), (519, 10167), (521, 10173), (526, 10188), (528, 10194), (529, 10197), (535, 10218), (537, 10227), (547, 10251), (550, 10260), (551, 10263), (554, 10272), (565, 10308), (582, 10362), (587, 10374), (592, 10383), (597, 10392), (620, 10482), (624, 10494), (628, 10518), (632, 10524), (646, 10581), (650, 10599), (651, 10602), (652, 10611), (659, 10644), (669, 10671), (679, 10713), (680, 10722), (688, 10734), (691, 10746), (693, 10755), (703, 10776), (710, 10800), (711, 10809), (713, 10818), (714, 10821), (715, 10824), (719, 10842), (720, 10845), (721, 10854), (725, 10878), (727, 10887), (728, 10890), (730, 10899), (733, 10908), (741, 10941), (742, 10944), (744, 10968), (755, 11007), (762, 11037), (764, 11043), (765, 11052), (767, 11061), (774, 11085), (780, 11103), (784, 11115), (799, 11169), (801, 11172), (804, 11178), (825, 11247), (830, 11256), (832, 11265),

Gene: Audell_20 Start: 12894, Stop: 15182, Start Num: 57

Candidate Starts for Audell_20:

(Start: 57 @12894 has 8 MA's), (150, 13254), (151, 13257), (178, 13368), (179, 13371), (180, 13374), (217, 13512), (250, 13659), (334, 13830), (349, 13878), (431, 14010), (462, 14094), (465, 14106), (473, 14130), (484, 14172), (490, 14190), (494, 14202), (518, 14280), (519, 14283), (528, 14310), (533, 14328), (536, 14337), (543, 14361), (549, 14376), (552, 14382), (556, 14394), (558, 14400), (569, 14436), (578, 14466), (603, 14532), (669, 14688), (674, 14709), (675, 14712), (724, 14829), (725, 14832), (734, 14865), (759, 14982), (765, 15006), (809, 15123),

Gene: AustinPowers_14 Start: 9739, Stop: 12297, Start Num: 61

Candidate Starts for AustinPowers_14:

(Start: 61 @9739 has 156 MA's), (64, 9748), (69, 9778), (88, 9868), (114, 9964), (124, 10009), (128, 10027), (168, 10195), (189, 10291), (190, 10294), (193, 10309), (222, 10396), (236, 10462), (277, 10600), (278, 10603), (305, 10687), (399, 10993), (418, 11053), (424, 11071), (426, 11077), (437, 11110), (441, 11122), (452, 11158), (461, 11185), (468, 11209), (470, 11215), (486, 11272), (494, 11296), (497, 11305), (501, 11320), (509, 11344), (513, 11356), (519, 11377), (521, 11383), (528, 11404), (537, 11437), (543, 11455), (552, 11476), (554, 11482), (558, 11494), (568, 11527), (569, 11530), (572, 11542), (577, 11557), (578, 11560), (608, 11647), (655, 11737), (656, 11740), (672, 11791), (689, 11824), (710, 11848), (711, 11857), (724, 11923), (725, 11926), (739, 11980), (745, 12019), (757, 12067), (759, 12076), (765, 12100), (768, 12112), (802, 12208), (814, 12238),

Gene: AyoTeo_21 Start: 13467, Stop: 15455, Start Num: 67

Candidate Starts for AyoTeo_21:

(Start: 67 @13467 has 19 MA's), (76, 13506), (111, 13617), (117, 13632), (120, 13644), (162, 13836), (170, 13860), (179, 13902), (217, 14043), (230, 14109), (254, 14205), (325, 14316), (378, 14418), (390, 14442), (415, 14511), (425, 14544), (504, 14709), (522, 14742), (563, 14757), (566, 14769), (571, 14787), (644, 14901), (645, 14907), (740, 15162), (754, 15228), (768, 15288), (822, 15429),

Gene: BeagleBug_35 Start: 20628, Stop: 23495, Start Num: 60

Candidate Starts for BeagleBug_35:

(Start: 60 @20628 has 54 MA's), (65, 20652), (141, 20961), (188, 21177), (202, 21231), (207, 21252), (215, 21282), (242, 21414), (248, 21435), (272, 21501), (278, 21516), (300, 21579), (313, 21630), (316, 21642), (333, 21693), (339, 21717), (341, 21720), (345, 21735), (353, 21759), (363, 21795), (369, 21816), (397, 21909), (402, 21927), (406, 21939), (421, 21984), (448, 22074), (457, 22101), (502, 22245), (515, 22284), (522, 22308), (526, 22320), (529, 22329), (540, 22368), (543, 22377), (551, 22398), (567, 22449), (575, 22476), (581, 22494), (602, 22548), (604, 22557), (609, 22575), (611, 22581), (614, 22593), (633, 22653), (635, 22662), (645, 22704), (649, 22722), (653, 22740), (654, 22746), (671, 22797), (687, 22878), (696, 22911), (698, 22926), (706, 22989), (707, 22992), (712, 23013), (714, 23022), (722, 23058), (729, 23097), (747, 23172), (753, 23196), (759, 23226), (765, 23250), (811, 23400), (812, 23403),

Gene: Beaupre_16 Start: 10336, Stop: 12756, Start Num: 61

Candidate Starts for Beaupre_16:

(Start: 61 @10336 has 156 MA's), (80, 10423), (113, 10528), (117, 10540), (128, 10600), (152, 10711), (174, 10792), (205, 10918), (210, 10933), (223, 10987), (269, 11161), (299, 11245), (304, 11266), (324, 11308), (383, 11434), (400, 11455), (416, 11488), (436, 11545), (450, 11587), (454, 11602), (471, 11653), (482, 11689), (483, 11695), (515, 11797), (521, 11818), (534, 11860), (556, 11920), (558, 11926), (572, 11974), (622, 12070), (669, 12226), (674, 12247), (686, 12259), (713, 12310), (745, 12460), (755, 12496), (778, 12577), (810, 12664), (821, 12688),

Gene: Beethoven_18 Start: 12567, Stop: 15128, Start Num: 61

Candidate Starts for Beethoven_18:

(55, 12546), (Start: 61 @12567 has 156 MA's), (70, 12615), (76, 12648), (88, 12696), (93, 12720), (95, 12732), (114, 12792), (126, 12840), (128, 12855), (129, 12861), (156, 12981), (168, 13023), (189, 13119), (190, 13122), (201, 13152), (218, 13206), (249, 13347), (255, 13368), (262, 13392), (270, 13413), (274, 13422), (294, 13473), (300, 13491), (356, 13677), (399, 13821), (408, 13854), (418, 13881), (424, 13899), (426, 13905), (434, 13929), (437, 13938), (452, 13986), (461, 14013), (470, 14043), (472, 14049), (486, 14100), (491, 14115), (495, 14127), (497, 14133), (498, 14136), (500, 14145), (509, 14172), (513, 14184), (516, 14193), (519, 14205), (521, 14211), (528, 14232), (535, 14256), (537, 14265), (551, 14301), (552, 14304), (558, 14322), (568, 14355), (569, 14358), (571, 14367), (572, 14370), (577, 14385), (608, 14475), (672, 14619), (692, 14655), (724, 14751), (725, 14754), (739, 14808), (745, 14847), (757, 14895), (759, 14904), (765, 14928), (772, 14946), (789, 14997), (797, 15021), (802, 15039), (814, 15069),

Gene: Bennie_14 Start: 9720, Stop: 12287, Start Num: 61

Candidate Starts for Bennie_14:

(55, 9699), (Start: 61 @9720 has 156 MA's), (70, 9768), (88, 9849), (93, 9873), (114, 9945), (126, 9993), (128, 10008), (129, 10014), (168, 10176), (188, 10269), (189, 10272), (190, 10275), (201, 10305), (219, 10362), (249, 10500), (255, 10521), (270, 10566), (281, 10593), (294, 10626), (300, 10644), (311, 10686), (326, 10743), (408, 11007), (418, 11034), (424, 11052), (426, 11058), (434, 11082), (441, 11103), (452, 11139), (461, 11166), (470, 11196), (472, 11202), (486, 11253), (497, 11286), (509, 11325), (511, 11331), (513, 11337), (516, 11346), (519, 11358), (521, 11364), (529, 11388), (535, 11409), (537, 11418), (552, 11457), (558, 11475), (568, 11508), (569, 11511), (572, 11523), (577, 11538), (598, 11589), (607, 11622), (636, 11640), (643, 11664), (652, 11706), (672, 11772), (674, 11784), (710, 11829), (724, 11904), (725, 11907), (739, 11961), (745, 12000), (753, 12027), (759, 12057), (763, 12069), (765, 12081), (767, 12090), (789, 12156), (802, 12198), (814, 12228),

Gene: Benry_19 Start: 11509, Stop: 13800, Start Num: 67

Candidate Starts for Benry_19:

(Start: 67 @11509 has 19 MA's), (101, 11626), (111, 11659), (145, 11800), (162, 11878), (170, 11902), (203, 12034), (217, 12085), (228, 12136), (232, 12157), (251, 12235), (268, 12271), (274, 12274), (286, 12295), (322, 12352), (364, 12436), (387, 12481), (390, 12484), (394, 12502), (400, 12520), (411, 12544), (464, 12706), (483, 12772), (494, 12805), (500, 12826), (511, 12859), (512, 12862), (566, 13030), (571, 13048), (578, 13069), (606, 13147), (640, 13180), (665, 13279), (675, 13315), (677, 13321), (707, 13348), (716, 13387), (724, 13432), (727, 13444), (730, 13456), (733, 13465), (734, 13468), (759, 13582), (775, 13633), (777, 13639), (781, 13648),

Gene: Berrie_16 Start: 10711, Stop: 13188, Start Num: 61

Candidate Starts for Berrie_16:

(Start: 61 @10711 has 156 MA's), (97, 10867), (101, 10876), (122, 10957), (137, 11017), (146, 11062), (162, 11134), (182, 11218), (187, 11248), (206, 11302), (215, 11332), (228, 11389), (234, 11413), (247, 11473), (249, 11479), (256, 11503), (288, 11581), (319, 11713), (331, 11749), (344, 11791), (384, 11890), (422, 11962), (438, 12001), (446, 12028), (462, 12076), (481, 12130), (494, 12172), (505, 12208), (512, 12229), (525, 12271), (556, 12364), (597, 12475), (609, 12487), (638, 12535), (642, 12550), (724, 12793), (725, 12796), (750, 12907), (759, 12946), (783, 13021), (789, 13036), (825, 13132),

Gene: BigMack_14 Start: 9716, Stop: 12277, Start Num: 61

Candidate Starts for BigMack_14:

(55, 9695), (Start: 61 @9716 has 156 MA's), (70, 9764), (88, 9845), (93, 9869), (114, 9941), (126, 9989), (128, 10004), (129, 10010), (156, 10130), (168, 10172), (188, 10265), (189, 10268), (190, 10271), (201, 10301), (249, 10496), (255, 10517), (270, 10562), (294, 10622), (300, 10640), (375, 10892), (408, 11003), (418, 11030), (424, 11048), (426, 11054), (434, 11078), (437, 11087), (452, 11135), (461, 11162), (462, 11165), (470, 11192), (472, 11198), (476, 11210), (486, 11249), (491, 11264), (495, 11276), (497, 11282), (498, 11285), (500, 11294), (509, 11321), (511, 11327), (513, 11333), (516, 11342), (519, 11354), (521, 11360), (522, 11363), (537, 11414), (551, 11450), (552, 11453), (568, 11504), (569, 11507), (571, 11516), (572, 11519), (577, 11534), (607, 11618), (657, 11726), (672, 11768), (724, 11900), (725, 11903), (739, 11957), (745, 11996), (757, 12044), (759, 12053), (765, 12077), (789, 12146), (790, 12152), (814, 12218),

Gene: BlackJade_23 Start: 15395, Stop: 18553, Start Num: 2

Candidate Starts for BlackJade_23:

(Start: 2 @15395 has 4 MA's), (4, 15443), (5, 15479), (9, 15563), (10, 15593), (11, 15605), (13, 15647), (14, 15659), (18, 15794), (24, 15860), (26, 15875), (34, 15935), (38, 15962), (45, 15989), (52, 16007), (65, 16070), (66, 16076), (68, 16082), (88, 16169), (89, 16178), (102, 16220), (115, 16265), (136, 16367), (169, 16508), (189, 16601), (196, 16625), (211, 16673), (213, 16685), (216, 16700), (227,

16748), (254, 16865), (265, 16904), (274, 16922), (279, 16937), (289, 16958), (300, 17000), (312, 17042), (314, 17054), (331, 17105), (351, 17171), (369, 17234), (382, 17276), (405, 17354), (408, 17366), (490, 17633), (502, 17672), (513, 17705), (526, 17747), (532, 17768), (551, 17807), (569, 17864), (574, 17882), (581, 17903), (592, 17927), (648, 18035), (667, 18110), (677, 18149), (717, 18212), (718, 18215), (730, 18275), (731, 18278), (732, 18281), (735, 18290), (741, 18320), (753, 18377), (776, 18443),

Gene: Bodacious_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for Bodacious_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (156, 10131), (168, 10173), (189, 10269), (190, 10272), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491, 11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (600, 11595), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: BrazzalePHS_35 Start: 20642, Stop: 23509, Start Num: 60

Candidate Starts for BrazzalePHS_35:

(Start: 60 @20642 has 54 MA's), (65, 20666), (141, 20975), (188, 21191), (202, 21245), (207, 21266), (215, 21296), (242, 21428), (248, 21449), (272, 21515), (278, 21530), (300, 21593), (313, 21644), (316, 21656), (333, 21707), (339, 21731), (341, 21734), (345, 21749), (353, 21773), (363, 21809), (369, 21830), (397, 21923), (402, 21941), (406, 21953), (421, 21998), (448, 22088), (457, 22115), (502, 22259), (515, 22298), (522, 22322), (526, 22334), (529, 22343), (540, 22382), (543, 22391), (551, 22412), (567, 22463), (575, 22490), (581, 22508), (602, 22562), (604, 22571), (609, 22589), (611, 22595), (614, 22607), (633, 22667), (635, 22676), (645, 22718), (649, 22736), (653, 22754), (654, 22760), (671, 22811), (687, 22892), (696, 22925), (698, 22940), (706, 23003), (707, 23006), (712, 23027), (714, 23036), (722, 23072), (729, 23111), (747, 23186), (753, 23210), (759, 23240), (765, 23264), (811, 23414), (812, 23417),

Gene: BrotherBLo_18 Start: 12573, Stop: 15134, Start Num: 61

Candidate Starts for BrotherBLo_18:

(55, 12552), (Start: 61 @12573 has 156 MA's), (70, 12621), (76, 12654), (88, 12702), (93, 12726), (95, 12738), (114, 12798), (126, 12846), (128, 12861), (129, 12867), (156, 12987), (168, 13029), (189, 13125), (190, 13128), (201, 13158), (218, 13212), (249, 13353), (255, 13374), (262, 13398), (270, 13419), (274, 13428), (294, 13479), (300, 13497), (356, 13683), (399, 13827), (408, 13860), (418, 13887), (424, 13905), (426, 13911), (434, 13935), (437, 13944), (452, 13992), (461, 14019), (462, 14022), (468, 14043), (470, 14049), (472, 14055), (486, 14106), (491, 14121), (495, 14133), (497, 14139), (498, 14142), (500, 14151), (509, 14178), (513, 14190), (516, 14199), (519, 14211), (521, 14217), (528, 14238), (535, 14262), (537, 14271), (552, 14310), (558, 14328), (568, 14361), (569, 14364), (571, 14373), (572, 14376), (577, 14391), (608, 14481), (643, 14517), (672, 14625), (692, 14661), (710, 14682), (724, 14757), (725, 14760), (739, 14814), (745, 14853), (757, 14901), (759, 14910), (765, 14934), (772, 14952), (789, 15003), (797, 15027), (802, 15045), (814, 15075),

Gene: BruceLethal_14 Start: 8509, Stop: 11274, Start Num: 62

Candidate Starts for BruceLethal_14:

(Start: 62 @8509 has 45 MA's), (66, 8536), (68, 8542), (70, 8554), (72, 8563), (76, 8587), (80, 8599), (90, 8644), (92, 8650), (101, 8671), (102, 8674), (116, 8722), (123, 8752), (128, 8779), (130, 8788), (139, 8821), (147, 8863), (153, 8893), (156, 8908), (160, 8926), (164, 8935), (166, 8938), (170, 8956), (182, 9013), (185, 9028), (187, 9043), (188, 9046), (191, 9058), (197, 9073), (198, 9076), (209, 9118),

(212, 9127), (213, 9130), (222, 9172), (224, 9184), (234, 9229), (238, 9250), (243, 9274), (255, 9316), (266, 9349), (271, 9358), (283, 9391), (285, 9394), (290, 9406), (293, 9424), (295, 9433), (299, 9445), (301, 9457), (305, 9469), (307, 9478), (314, 9505), (318, 9520), (319, 9526), (323, 9535), (330, 9556), (348, 9616), (350, 9622), (353, 9631), (354, 9634), (360, 9652), (368, 9682), (380, 9724), (386, 9736), (394, 9772), (403, 9802), (407, 9814), (420, 9853), (421, 9856), (423, 9865), (433, 9895), (434, 9898), (437, 9907), (442, 9922), (444, 9928), (446, 9937), (453, 9961), (462, 9985), (467, 10003), (473, 10021), (475, 10027), (476, 10030), (479, 10039), (480, 10042), (481, 10048), (487, 10072), (488, 10075), (492, 10084), (495, 10093), (496, 10096), (498, 10102), (502, 10117), (505, 10126), (506, 10129), (509, 10138), (515, 10156), (523, 10183), (526, 10192), (530, 10204), (535, 10222), (537, 10231), (547, 10255), (554, 10276), (565, 10312), (582, 10366), (587, 10378), (592, 10387), (597, 10396), (646, 10585), (650, 10603), (651, 10606), (652, 10615), (659, 10648), (669, 10675), (679, 10717), (680, 10726), (688, 10738), (691, 10750), (693, 10759), (711, 10813), (714, 10825), (715, 10828), (719, 10846), (720, 10849), (721, 10858), (725, 10882), (727, 10891), (728, 10894), (730, 10903), (733, 10912), (741, 10945), (742, 10948), (744, 10972), (755, 11011), (762, 11041), (764, 11047), (765, 11056), (767, 11065), (780, 11107), (784, 11119), (794, 11155), (799, 11173), (801, 11176), (804, 11182), (825, 11251), (830, 11260), (832, 11269),

Gene: Busephilis_35 Start: 20577, Stop: 23444, Start Num: 60

Candidate Starts for Busephilis_35:

(Start: 60 @20577 has 54 MA's), (65, 20601), (141, 20910), (188, 21126), (202, 21180), (207, 21201), (215, 21231), (242, 21363), (248, 21384), (272, 21450), (278, 21465), (300, 21528), (313, 21579), (316, 21591), (333, 21642), (339, 21666), (341, 21669), (345, 21684), (353, 21708), (363, 21744), (369, 21765), (397, 21858), (402, 21876), (421, 21933), (448, 22023), (457, 22050), (502, 22194), (515, 22233), (522, 22257), (526, 22269), (529, 22278), (540, 22317), (543, 22326), (551, 22347), (567, 22398), (575, 22425), (581, 22443), (602, 22497), (604, 22506), (609, 22524), (611, 22530), (614, 22542), (633, 22602), (635, 22611), (645, 22653), (649, 22671), (653, 22689), (654, 22695), (671, 22746), (687, 22827), (696, 22860), (698, 22875), (706, 22938), (707, 22941), (712, 22962), (714, 22971), (722, 23007), (729, 23046), (747, 23121), (753, 23145), (759, 23175), (765, 23199), (811, 23349), (812, 23352),

Gene: CallieOMalley_18 Start: 12612, Stop: 15167, Start Num: 61

Candidate Starts for CallieOMalley_18:

(55, 12591), (Start: 61 @12612 has 156 MA's), (70, 12660), (88, 12741), (93, 12765), (102, 12795), (114, 12837), (128, 12900), (129, 12906), (168, 13068), (189, 13164), (190, 13167), (201, 13197), (236, 13335), (270, 13458), (294, 13518), (300, 13536), (303, 13551), (317, 13602), (390, 13833), (409, 13902), (418, 13926), (424, 13944), (426, 13950), (444, 14004), (447, 14016), (453, 14037), (462, 14061), (487, 14148), (495, 14172), (497, 14178), (498, 14181), (501, 14193), (508, 14214), (509, 14217), (511, 14223), (513, 14229), (516, 14238), (518, 14247), (519, 14250), (521, 14256), (529, 14280), (535, 14301), (537, 14310), (543, 14328), (552, 14349), (555, 14358), (558, 14367), (568, 14400), (569, 14403), (571, 14412), (572, 14415), (591, 14466), (643, 14556), (672, 14664), (674, 14676), (689, 14697), (692, 14700), (724, 14796), (725, 14799), (739, 14853), (745, 14892), (759, 14949), (772, 14991), (789, 15039), (802, 15081), (814, 15111),

Gene: Canowicakte_18 Start: 12647, Stop: 15202, Start Num: 61

Candidate Starts for Canowicakte_18:

(55, 12626), (Start: 61 @12647 has 156 MA's), (70, 12695), (88, 12776), (93, 12800), (114, 12872), (126, 12920), (128, 12935), (129, 12941), (168, 13103), (178, 13148), (189, 13199), (190, 13202), (201, 13232), (236, 13370), (270, 13493), (294, 13553), (300, 13571), (303, 13586), (317, 13637), (390, 13868), (409, 13937), (418, 13961), (424, 13979), (426, 13985), (444, 14039), (447, 14051), (453, 14072), (462, 14096), (487, 14183), (495, 14207), (497, 14213), (498, 14216), (501, 14228), (508, 14249), (509, 14252), (511, 14258), (513, 14264), (516, 14273), (518, 14282), (519, 14285), (521, 14291), (529, 14315), (535, 14336), (537, 14345), (543, 14363), (552, 14384), (555, 14393), (558, 14402), (568, 14435), (569, 14438), (571, 14447), (572, 14450), (591, 14501), (643, 14591),

(672, 14699), (674, 14711), (689, 14732), (692, 14735), (724, 14831), (725, 14834), (739, 14888), (745, 14927), (759, 14984), (772, 15026), (789, 15074), (802, 15116), (814, 15146),

Gene: Cappuccino_16 Start: 10243, Stop: 12663, Start Num: 61

Candidate Starts for Cappuccino_16:

(Start: 61 @10243 has 156 MA's), (80, 10330), (97, 10387), (113, 10435), (117, 10447), (128, 10507), (152, 10618), (174, 10699), (205, 10825), (210, 10840), (223, 10894), (269, 11068), (299, 11152), (304, 11173), (315, 11194), (324, 11215), (342, 11266), (383, 11341), (400, 11362), (416, 11395), (436, 11452), (450, 11494), (454, 11509), (471, 11560), (482, 11596), (515, 11704), (521, 11725), (534, 11767), (537, 11779), (558, 11833), (572, 11881), (622, 11977), (669, 12133), (674, 12154), (686, 12166), (713, 12217), (745, 12367), (755, 12403), (763, 12436), (821, 12595),

Gene: CardboardBox_18 Start: 9570, Stop: 11855, Start Num: 57

Candidate Starts for CardboardBox_18:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044), (217, 10188), (241, 10299), (250, 10335), (262, 10377), (336, 10515), (346, 10545), (347, 10548), (353, 10566), (383, 10608), (433, 10692), (441, 10716), (460, 10764), (473, 10806), (475, 10812), (486, 10854), (492, 10872), (505, 10914), (509, 10926), (516, 10947), (522, 10968), (525, 10977), (527, 10983), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139), (578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385), (677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658), (765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: Carpal_18 Start: 12574, Stop: 15135, Start Num: 61

Candidate Starts for Carpal_18:

(55, 12553), (Start: 61 @12574 has 156 MA's), (70, 12622), (76, 12655), (88, 12703), (93, 12727), (95, 12739), (114, 12799), (126, 12847), (128, 12862), (129, 12868), (156, 12988), (168, 13030), (189, 13126), (190, 13129), (201, 13159), (218, 13213), (249, 13354), (255, 13375), (262, 13399), (270, 13420), (274, 13429), (294, 13480), (300, 13498), (356, 13684), (399, 13828), (408, 13861), (418, 13888), (424, 13906), (426, 13912), (434, 13936), (437, 13945), (452, 13993), (461, 14020), (462, 14023), (468, 14044), (472, 14056), (486, 14107), (491, 14122), (495, 14134), (498, 14143), (500, 14152), (509, 14179), (513, 14191), (516, 14200), (519, 14212), (521, 14218), (528, 14239), (535, 14263), (537, 14272), (552, 14311), (568, 14362), (569, 14365), (571, 14374), (572, 14377), (577, 14392), (608, 14482), (643, 14518), (672, 14626), (692, 14662), (724, 14758), (725, 14761), (739, 14815), (745, 14854), (757, 14902), (759, 14911), (765, 14935), (772, 14953), (789, 15004), (797, 15028), (802, 15046), (814, 15076),

Gene: Cassia_16 Start: 10826, Stop: 13150, Start Num: 61

Candidate Starts for Cassia_16:

(Start: 61 @10826 has 156 MA's), (97, 10982), (101, 10991), (102, 10994), (122, 11072), (137, 11132), (162, 11249), (181, 11330), (182, 11333), (187, 11363), (215, 11447), (228, 11504), (234, 11528), (247, 11588), (249, 11594), (344, 11813), (446, 11981), (462, 12029), (481, 12083), (494, 12125), (506, 12164), (525, 12224), (556, 12317), (634, 12470), (636, 12482), (655, 12560), (656, 12563), (672, 12614), (724, 12746), (725, 12749), (750, 12860), (759, 12899),

Gene: ChamoyPickle_18 Start: 9570, Stop: 11855, Start Num: 57

Candidate Starts for ChamoyPickle_18:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044), (217, 10188), (241, 10299), (250, 10335), (262, 10377), (336, 10515), (346, 10545), (347, 10548), (353, 10566), (383, 10608), (433, 10692), (441, 10716), (460, 10764), (473, 10806), (475, 10812), (486, 10854), (492, 10872), (505, 10914), (509, 10926), (516, 10947), (522, 10968), (525, 10977), (527, 10983), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139), (578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385),

(677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658), (765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: ChewChew_14 Start: 9716, Stop: 12277, Start Num: 61

Candidate Starts for ChewChew_14:

(55, 9695), (Start: 61 @9716 has 156 MA's), (70, 9764), (88, 9845), (93, 9869), (114, 9941), (126, 9989), (128, 10004), (129, 10010), (168, 10172), (189, 10268), (190, 10271), (201, 10301), (236, 10439), (255, 10517), (270, 10562), (274, 10571), (294, 10622), (300, 10640), (302, 10652), (309, 10676), (375, 10892), (402, 10982), (408, 11003), (418, 11030), (424, 11048), (426, 11054), (434, 11078), (437, 11087), (452, 11135), (461, 11162), (470, 11192), (486, 11249), (491, 11264), (495, 11276), (497, 11282), (498, 11285), (500, 11294), (509, 11321), (513, 11333), (516, 11342), (519, 11354), (521, 11360), (529, 11384), (535, 11405), (537, 11414), (542, 11429), (551, 11450), (552, 11453), (568, 11504), (569, 11507), (572, 11519), (600, 11594), (608, 11624), (643, 11660), (672, 11768), (674, 11780), (692, 11804), (724, 11900), (725, 11903), (734, 11936), (739, 11957), (745, 11996), (750, 12014), (757, 12044), (759, 12053), (765, 12077), (790, 12152), (814, 12218),

Gene: ChipsNGuac_17 Start: 9567, Stop: 11855, Start Num: 56

Candidate Starts for ChipsNGuac_17:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044), (217, 10188), (241, 10299), (250, 10335), (262, 10377), (336, 10515), (346, 10545), (347, 10548), (353, 10566), (383, 10608), (433, 10692), (441, 10716), (460, 10764), (473, 10806), (475, 10812), (486, 10854), (492, 10872), (505, 10914), (509, 10926), (516, 10947), (522, 10968), (525, 10977), (527, 10983), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139), (578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385), (677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658), (765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: Cholula_18 Start: 12619, Stop: 15180, Start Num: 61

Candidate Starts for Cholula_18:

(55, 12598), (Start: 61 @12619 has 156 MA's), (70, 12667), (76, 12700), (88, 12748), (93, 12772), (95, 12784), (114, 12844), (126, 12892), (128, 12907), (129, 12913), (156, 13033), (168, 13075), (188, 13168), (189, 13171), (190, 13174), (201, 13204), (218, 13258), (249, 13399), (255, 13420), (262, 13444), (270, 13465), (274, 13474), (294, 13525), (300, 13543), (306, 13567), (356, 13729), (399, 13873), (408, 13906), (418, 13933), (424, 13951), (426, 13957), (434, 13981), (437, 13990), (452, 14038), (461, 14065), (468, 14089), (470, 14095), (472, 14101), (486, 14152), (491, 14167), (495, 14179), (497, 14185), (498, 14188), (500, 14197), (509, 14224), (513, 14236), (516, 14245), (519, 14257), (521, 14263), (528, 14284), (537, 14317), (552, 14356), (568, 14407), (569, 14410), (571, 14419), (572, 14422), (577, 14437), (607, 14521), (608, 14527), (643, 14563), (672, 14671), (674, 14683), (692, 14707), (724, 14803), (725, 14806), (739, 14860), (745, 14899), (757, 14947), (759, 14956), (765, 14980), (772, 14998), (789, 15049), (797, 15073), (802, 15091), (814, 15121),

Gene: Chridison_14 Start: 9739, Stop: 12297, Start Num: 61

Candidate Starts for Chridison_14:

(Start: 61 @9739 has 156 MA's), (64, 9748), (69, 9778), (88, 9868), (114, 9964), (124, 10009), (128, 10027), (168, 10195), (189, 10291), (190, 10294), (193, 10309), (222, 10396), (277, 10600), (278, 10603), (305, 10687), (399, 10993), (418, 11053), (424, 11071), (426, 11077), (437, 11110), (441, 11122), (452, 11158), (461, 11185), (468, 11209), (470, 11215), (486, 11272), (494, 11296), (497, 11305), (501, 11320), (509, 11344), (513, 11356), (519, 11377), (521, 11383), (528, 11404), (535, 11428), (537, 11437), (543, 11455), (552, 11476), (554, 11482), (558, 11494), (568, 11527), (569, 11530), (572, 11542), (577, 11557), (578, 11560), (608, 11647), (655, 11737), (656, 11740), (672, 11791), (710, 11848), (711, 11857), (714, 11869), (724, 11923), (725, 11926), (739, 11980), (745, 12019), (757, 12067), (759, 12076), (765, 12100), (768, 12112), (802, 12208), (814, 12238),

Gene: Christian_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for Christian_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (168, 10173), (189, 10269), (190, 10272), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (497, 11283), (500, 11295), (509, 11322), (511, 11328), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (600, 11595), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: Cicada_21 Start: 13577, Stop: 15565, Start Num: 67

Candidate Starts for Cicada_21:

(Start: 67 @13577 has 19 MA's), (76, 13616), (111, 13727), (117, 13742), (120, 13754), (162, 13946), (170, 13970), (179, 14012), (203, 14102), (217, 14153), (230, 14219), (250, 14300), (254, 14315), (268, 14339), (308, 14402), (325, 14426), (378, 14528), (390, 14552), (415, 14621), (425, 14654), (522, 14852), (566, 14879), (571, 14897), (603, 14951), (641, 14999), (644, 15011), (645, 15017), (660, 15083), (665, 15095), (740, 15272), (745, 15308), (754, 15338), (768, 15398), (822, 15539),

Gene: Cinna_31 Start: 20016, Stop: 22862, Start Num: 60

Candidate Starts for Cinna_31:

(Start: 60 @20016 has 54 MA's), (65, 20043), (116, 20241), (135, 20334), (140, 20352), (174, 20496), (188, 20574), (192, 20592), (207, 20649), (218, 20694), (240, 20799), (242, 20811), (248, 20832), (272, 20898), (278, 20913), (298, 20967), (300, 20976), (339, 21114), (341, 21117), (353, 21156), (363, 21192), (369, 21213), (397, 21306), (421, 21381), (448, 21471), (474, 21549), (492, 21609), (502, 21642), (515, 21681), (516, 21684), (519, 21696), (529, 21726), (530, 21729), (547, 21783), (550, 21792), (560, 21822), (571, 21861), (576, 21876), (606, 21960), (611, 21978), (633, 22050), (635, 22059), (645, 22101), (654, 22143), (669, 22191), (680, 22242), (683, 22254), (687, 22275), (695, 22302), (696, 22308), (698, 22323), (706, 22386), (707, 22389), (712, 22410), (722, 22455), (753, 22593), (756, 22605), (759, 22623), (763, 22635), (765, 22647), (767, 22656), (815, 22785), (836, 22851),

Gene: ClearAsMud_38 Start: 21358, Stop: 24225, Start Num: 60

Candidate Starts for ClearAsMud_38:

(Start: 60 @21358 has 54 MA's), (65, 21382), (141, 21691), (188, 21907), (202, 21961), (215, 22012), (234, 22102), (242, 22144), (248, 22165), (272, 22231), (278, 22246), (284, 22264), (300, 22309), (313, 22360), (316, 22372), (333, 22423), (339, 22447), (341, 22450), (345, 22465), (353, 22489), (363, 22525), (369, 22546), (397, 22639), (405, 22666), (406, 22669), (421, 22714), (448, 22804), (474, 22882), (502, 22975), (515, 23014), (526, 23050), (529, 23059), (531, 23065), (567, 23179), (575, 23206), (581, 23224), (604, 23287), (611, 23311), (614, 23323), (633, 23383), (635, 23392), (645, 23434), (649, 23452), (653, 23470), (654, 23476), (671, 23527), (687, 23608), (696, 23641), (698, 23656), (706, 23719), (707, 23722), (712, 23743), (714, 23752), (722, 23788), (729, 23827), (737, 23854), (747, 23902), (753, 23926), (759, 23956), (765, 23980), (780, 24031),

Gene: Community_16 Start: 11793, Stop: 14270, Start Num: 61

Candidate Starts for Community_16:

(Start: 61 @11793 has 156 MA's), (97, 11949), (101, 11958), (122, 12039), (137, 12099), (146, 12144), (162, 12216), (182, 12300), (187, 12330), (206, 12384), (215, 12414), (228, 12471), (234, 12495), (247, 12555), (249, 12561), (256, 12585), (288, 12663), (294, 12696), (331, 12831), (344, 12873), (384, 12972), (422, 13044), (438, 13083), (446, 13110), (462, 13158), (472, 13191), (494, 13254), (512, 13311), (525, 13353), (530, 13368), (556, 13446), (609, 13569), (638, 13617), (642, 13632),

(666, 13725), (672, 13743), (674, 13755), (724, 13875), (725, 13878), (750, 13989), (759, 14028), (789, 14118),

Gene: Cota_14 Start: 8514, Stop: 11279, Start Num: 62

Candidate Starts for Cota_14:

(Start: 62 @8514 has 45 MA's), (66, 8541), (68, 8547), (70, 8559), (76, 8592), (79, 8601), (80, 8604), (90, 8649), (92, 8655), (95, 8661), (101, 8676), (102, 8679), (116, 8727), (123, 8757), (128, 8784), (130, 8793), (139, 8826), (143, 8847), (147, 8868), (153, 8898), (156, 8913), (160, 8931), (164, 8940), (166, 8943), (170, 8961), (181, 9015), (182, 9018), (185, 9033), (187, 9048), (188, 9051), (191, 9063), (197, 9078), (200, 9090), (209, 9123), (212, 9132), (213, 9135), (222, 9177), (224, 9189), (234, 9234), (243, 9279), (249, 9300), (255, 9321), (266, 9354), (271, 9363), (285, 9399), (290, 9411), (293, 9429), (295, 9438), (299, 9450), (301, 9462), (305, 9474), (307, 9483), (313, 9504), (314, 9510), (318, 9525), (319, 9531), (323, 9540), (330, 9561), (337, 9585), (346, 9615), (348, 9621), (350, 9627), (360, 9657), (368, 9687), (371, 9699), (377, 9720), (386, 9741), (393, 9774), (394, 9777), (397, 9786), (403, 9807), (407, 9819), (420, 9858), (423, 9870), (426, 9879), (433, 9900), (437, 9912), (442, 9927), (446, 9942), (461, 9987), (467, 10008), (468, 10011), (469, 10014), (471, 10020), (473, 10026), (481, 10053), (486, 10074), (488, 10080), (491, 10086), (492, 10089), (495, 10098), (496, 10101), (499, 10110), (502, 10122), (506, 10134), (515, 10161), (521, 10182), (523, 10188), (526, 10197), (528, 10203), (529, 10206), (530, 10209), (535, 10227), (536, 10230), (537, 10236), (538, 10239), (548, 10263), (554, 10281), (582, 10371), (587, 10383), (592, 10392), (597, 10401), (601, 10416), (620, 10491), (624, 10503), (635, 10545), (646, 10590), (651, 10611), (652, 10620), (659, 10653), (669, 10680), (679, 10722), (680, 10731), (688, 10743), (691, 10755), (693, 10764), (703, 10785), (711, 10818), (714, 10830), (715, 10833), (719, 10851), (720, 10854), (721, 10863), (725, 10887), (728, 10899), (730, 10908), (733, 10917), (741, 10950), (742, 10953), (744, 10977), (755, 11016), (762, 11046), (764, 11052), (765, 11061), (767, 11070), (780, 11112), (784, 11124), (794, 11160), (799, 11178), (801, 11181), (804, 11187), (825, 11256), (830, 11265), (832, 11274),

Gene: Cranjis_37 Start: 20802, Stop: 23669, Start Num: 60

Candidate Starts for Cranjis_37:

(Start: 60 @20802 has 54 MA's), (65, 20826), (141, 21135), (188, 21351), (202, 21405), (207, 21426), (215, 21456), (242, 21588), (248, 21609), (272, 21675), (278, 21690), (300, 21753), (313, 21804), (316, 21816), (333, 21867), (339, 21891), (341, 21894), (345, 21909), (353, 21933), (363, 21969), (369, 21990), (397, 22083), (402, 22101), (406, 22113), (421, 22158), (448, 22248), (457, 22275), (502, 22419), (515, 22458), (522, 22482), (526, 22494), (529, 22503), (540, 22542), (543, 22551), (551, 22572), (567, 22623), (575, 22650), (581, 22668), (602, 22722), (604, 22731), (609, 22749), (611, 22755), (614, 22767), (633, 22827), (635, 22836), (645, 22878), (649, 22896), (653, 22914), (654, 22920), (671, 22971), (687, 23052), (696, 23085), (698, 23100), (706, 23163), (707, 23166), (712, 23187), (714, 23196), (722, 23232), (729, 23271), (747, 23346), (753, 23370), (759, 23400), (765, 23424), (811, 23574), (812, 23577),

Gene: CrazyRich_35 Start: 20611, Stop: 23478, Start Num: 60

Candidate Starts for CrazyRich_35:

(Start: 60 @20611 has 54 MA's), (65, 20635), (141, 20944), (188, 21160), (202, 21214), (207, 21235), (215, 21265), (242, 21397), (248, 21418), (272, 21484), (278, 21499), (300, 21562), (313, 21613), (316, 21625), (333, 21676), (339, 21700), (341, 21703), (345, 21718), (353, 21742), (363, 21778), (369, 21799), (397, 21892), (402, 21910), (421, 21967), (448, 22057), (457, 22084), (502, 22228), (515, 22267), (522, 22291), (526, 22303), (529, 22312), (540, 22351), (543, 22360), (551, 22381), (567, 22432), (575, 22459), (581, 22477), (602, 22531), (604, 22540), (609, 22558), (611, 22564), (614, 22576), (633, 22636), (635, 22645), (645, 22687), (649, 22705), (653, 22723), (654, 22729), (671, 22780), (687, 22861), (696, 22894), (698, 22909), (706, 22972), (707, 22975), (712, 22996), (714, 23005), (722, 23041), (729, 23080), (747, 23155), (753, 23179), (759, 23209), (765, 23233), (811, 23383), (812, 23386),

Gene: Cressida_33 Start: 20076, Stop: 22925, Start Num: 60

Candidate Starts for Cressida_33:

(Start: 60 @20076 has 54 MA's), (65, 20103), (100, 20250), (116, 20301), (128, 20364), (135, 20394), (140, 20412), (188, 20634), (192, 20652), (207, 20709), (240, 20859), (242, 20871), (248, 20892), (272, 20958), (278, 20973), (298, 21027), (300, 21036), (333, 21150), (339, 21174), (341, 21177), (363, 21252), (369, 21273), (372, 21285), (397, 21366), (402, 21384), (421, 21441), (448, 21531), (474, 21609), (502, 21702), (515, 21741), (516, 21744), (519, 21756), (526, 21777), (529, 21786), (530, 21789), (550, 21852), (560, 21882), (562, 21888), (571, 21921), (576, 21936), (606, 22020), (611, 22038), (633, 22110), (645, 22161), (654, 22203), (669, 22251), (680, 22302), (683, 22314), (687, 22335), (695, 22362), (696, 22368), (698, 22383), (706, 22446), (707, 22449), (753, 22653), (756, 22665), (759, 22683), (763, 22695), (765, 22707), (776, 22740), (782, 22746), (815, 22848), (836, 22914),

Gene: Crewmate_17 Start: 11180, Stop: 13486, Start Num: 61

Candidate Starts for Crewmate_17:

(Start: 61 @11180 has 156 MA's), (96, 11333), (97, 11336), (101, 11345), (137, 11486), (162, 11603), (182, 11687), (187, 11717), (206, 11771), (228, 11858), (234, 11882), (247, 11942), (249, 11948), (273, 12014), (343, 12164), (344, 12167), (444, 12326), (446, 12335), (462, 12383), (481, 12437), (494, 12479), (506, 12518), (525, 12578), (530, 12593), (556, 12671), (572, 12719), (609, 12794), (623, 12806), (640, 12848), (642, 12857), (672, 12968), (724, 13100), (725, 13103), (750, 13214), (759, 13253), (776, 13307), (783, 13328), (789, 13343), (821, 13421),

Gene: Crisis_37 Start: 20596, Stop: 23463, Start Num: 60

Candidate Starts for Crisis_37:

(Start: 60 @20596 has 54 MA's), (65, 20620), (141, 20929), (188, 21145), (202, 21199), (207, 21220), (215, 21250), (242, 21382), (248, 21403), (272, 21469), (278, 21484), (300, 21547), (313, 21598), (316, 21610), (333, 21661), (339, 21685), (341, 21688), (345, 21703), (353, 21727), (363, 21763), (369, 21784), (397, 21877), (402, 21895), (406, 21907), (421, 21952), (448, 22042), (457, 22069), (502, 22213), (515, 22252), (522, 22276), (526, 22288), (529, 22297), (540, 22336), (543, 22345), (551, 22366), (567, 22417), (575, 22444), (581, 22462), (602, 22516), (604, 22525), (609, 22543), (611, 22549), (614, 22561), (633, 22621), (635, 22630), (645, 22672), (649, 22690), (653, 22708), (654, 22714), (671, 22765), (687, 22846), (696, 22879), (698, 22894), (706, 22957), (707, 22960), (712, 22981), (714, 22990), (722, 23026), (729, 23065), (747, 23140), (753, 23164), (759, 23194), (765, 23218), (780, 23269), (811, 23368), (812, 23371),

Gene: CristinaYang_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for CristinaYang_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (156, 10131), (168, 10173), (189, 10269), (190, 10272), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491, 11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (600, 11595), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: Cyan_16 Start: 10730, Stop: 13045, Start Num: 61

Candidate Starts for Cyan_16:

(Start: 61 @10730 has 156 MA's), (97, 10886), (101, 10895), (122, 10976), (124, 10988), (137, 11036), (162, 11153), (181, 11234), (182, 11237), (187, 11267), (206, 11321), (215, 11351), (228, 11408), (234, 11432), (247, 11492), (344, 11717), (421, 11813), (446, 11885), (462, 11933), (481, 11987),

(494, 12029), (506, 12068), (525, 12128), (642, 12407), (648, 12431), (655, 12464), (656, 12467), (672, 12518), (721, 12629), (724, 12650), (725, 12653), (734, 12686), (750, 12764), (759, 12803), (777, 12863), (789, 12893), (809, 12944), (825, 12989), (837, 13034),

Gene: Daiboju_14 Start: 9744, Stop: 12302, Start Num: 61

Candidate Starts for Daiboju_14:

(Start: 61 @9744 has 156 MA's), (64, 9753), (69, 9783), (88, 9873), (95, 9909), (126, 10017), (128, 10032), (168, 10200), (189, 10296), (262, 10569), (270, 10590), (282, 10620), (294, 10650), (317, 10737), (357, 10860), (380, 10935), (399, 10998), (408, 11031), (416, 11052), (418, 11058), (424, 11076), (426, 11082), (434, 11106), (447, 11148), (452, 11163), (453, 11169), (463, 11196), (479, 11247), (487, 11280), (490, 11289), (497, 11310), (500, 11322), (509, 11349), (513, 11361), (516, 11370), (519, 11382), (521, 11388), (522, 11391), (529, 11412), (537, 11442), (543, 11460), (552, 11481), (555, 11490), (558, 11499), (568, 11532), (569, 11535), (572, 11547), (577, 11562), (607, 11646), (608, 11652), (643, 11688), (656, 11745), (657, 11754), (672, 11796), (710, 11853), (724, 11928), (725, 11931), (733, 11961), (739, 11985), (750, 12042), (757, 12072), (759, 12081), (765, 12105), (768, 12117), (814, 12243),

Gene: Dino_18 Start: 12572, Stop: 15133, Start Num: 61

Candidate Starts for Dino_18:

(55, 12551), (Start: 61 @12572 has 156 MA's), (70, 12620), (76, 12653), (88, 12701), (93, 12725), (95, 12737), (114, 12797), (126, 12845), (128, 12860), (129, 12866), (156, 12986), (168, 13028), (189, 13124), (190, 13127), (201, 13157), (218, 13211), (249, 13352), (255, 13373), (262, 13397), (270, 13418), (274, 13427), (294, 13478), (300, 13496), (356, 13682), (399, 13826), (408, 13859), (418, 13886), (424, 13904), (426, 13910), (434, 13934), (437, 13943), (452, 13991), (461, 14018), (462, 14021), (468, 14042), (472, 14054), (486, 14105), (491, 14120), (495, 14132), (498, 14141), (500, 14150), (509, 14177), (513, 14189), (516, 14198), (519, 14210), (521, 14216), (528, 14237), (535, 14261), (537, 14270), (552, 14309), (568, 14360), (569, 14363), (571, 14372), (572, 14375), (577, 14390), (608, 14480), (643, 14516), (672, 14624), (692, 14660), (724, 14756), (725, 14759), (739, 14813), (745, 14852), (757, 14900), (759, 14909), (765, 14933), (772, 14951), (789, 15002), (797, 15026), (802, 15044), (814, 15074),

Gene: Donkey_16 Start: 10243, Stop: 12663, Start Num: 61

Candidate Starts for Donkey_16:

(Start: 61 @10243 has 156 MA's), (80, 10330), (97, 10387), (113, 10435), (117, 10447), (128, 10507), (152, 10618), (174, 10699), (205, 10825), (210, 10840), (223, 10894), (269, 11068), (299, 11152), (304, 11173), (315, 11194), (324, 11215), (342, 11266), (383, 11341), (400, 11362), (416, 11395), (436, 11452), (450, 11494), (454, 11509), (471, 11560), (482, 11596), (515, 11704), (521, 11725), (534, 11767), (537, 11779), (558, 11833), (572, 11881), (622, 11977), (669, 12133), (674, 12154), (686, 12166), (713, 12217), (745, 12367), (755, 12403), (778, 12484), (821, 12595),

Gene: DrManhattan_16 Start: 10713, Stop: 12947, Start Num: 61

Candidate Starts for DrManhattan_16:

(Start: 61 @10713 has 156 MA's), (76, 10788), (97, 10869), (101, 10878), (110, 10905), (122, 10959), (124, 10971), (137, 11019), (140, 11031), (162, 11136), (181, 11217), (182, 11220), (187, 11250), (215, 11334), (228, 11391), (234, 11415), (242, 11457), (247, 11475), (256, 11505), (275, 11544), (282, 11562), (333, 11634), (334, 11637), (342, 11655), (409, 11700), (429, 11757), (444, 11796), (446, 11805), (462, 11853), (464, 11862), (494, 11949), (498, 11961), (506, 11988), (512, 12006), (525, 12048), (559, 12150), (579, 12210), (609, 12264), (625, 12282), (637, 12309), (640, 12318), (662, 12408), (669, 12429), (686, 12462), (714, 12516), (719, 12537), (748, 12669), (755, 12699), (797, 12828), (821, 12882),

Gene: DrParker_14 Start: 8544, Stop: 11309, Start Num: 62

Candidate Starts for DrParker_14:

(Start: 62 @8544 has 45 MA's), (66, 8571), (68, 8577), (70, 8589), (72, 8598), (79, 8631), (80, 8634), (90, 8679), (92, 8685), (101, 8706), (102, 8709), (116, 8757), (123, 8787), (130, 8823), (139, 8856), (143, 8877), (147, 8898), (156, 8943), (160, 8961), (164, 8970), (166, 8973), (170, 8991), (181, 9045), (182, 9048), (185, 9063), (187, 9078), (188, 9081), (191, 9093), (197, 9108), (199, 9117), (209, 9153), (212, 9162), (213, 9165), (222, 9207), (224, 9219), (234, 9264), (240, 9294), (243, 9309), (249, 9330), (255, 9351), (266, 9384), (271, 9393), (276, 9405), (283, 9426), (285, 9429), (293, 9459), (295, 9468), (299, 9480), (301, 9492), (305, 9504), (307, 9513), (314, 9540), (323, 9570), (330, 9591), (337, 9615), (346, 9645), (348, 9651), (350, 9657), (360, 9687), (368, 9717), (377, 9750), (386, 9771), (393, 9804), (394, 9807), (397, 9816), (399, 9822), (407, 9849), (409, 9858), (412, 9867), (420, 9888), (421, 9891), (423, 9900), (426, 9909), (433, 9930), (437, 9942), (441, 9954), (442, 9957), (444, 9963), (446, 9972), (447, 9975), (448, 9978), (453, 9996), (461, 10017), (462, 10020), (467, 10038), (468, 10041), (469, 10044), (472, 10053), (473, 10056), (475, 10062), (476, 10065), (481, 10083), (486, 10104), (488, 10110), (491, 10116), (492, 10119), (494, 10125), (496, 10131), (498, 10137), (505, 10161), (506, 10164), (508, 10170), (515, 10191), (518, 10203), (519, 10206), (521, 10212), (526, 10227), (528, 10233), (529, 10236), (535, 10257), (537, 10266), (538, 10269), (546, 10287), (547, 10290), (550, 10299), (551, 10302), (554, 10311), (558, 10323), (565, 10347), (568, 10356), (570, 10365), (582, 10401), (587, 10413), (592, 10422), (597, 10431), (599, 10440), (612, 10488), (620, 10521), (624, 10533), (628, 10557), (646, 10620), (650, 10638), (651, 10641), (652, 10650), (653, 10653), (655, 10662), (659, 10683), (676, 10737), (679, 10752), (680, 10761), (688, 10773), (691, 10785), (693, 10794), (703, 10815), (710, 10839), (711, 10848), (713, 10857), (714, 10860), (715, 10863), (719, 10881), (720, 10884), (721, 10893), (725, 10917), (728, 10929), (730, 10938), (733, 10947), (744, 11007), (755, 11046), (762, 11076), (764, 11082), (765, 11091), (767, 11100), (773, 11121), (774, 11124), (780, 11142), (784, 11154), (799, 11208), (801, 11211), (825, 11286), (830, 11295), (832, 11304),

Gene: DrRobert_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for DrRobert_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (168, 10173), (189, 10269), (190, 10272), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491, 11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (600, 11595), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (689, 11802), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: DrSierra_16 Start: 10741, Stop: 13035, Start Num: 61

Candidate Starts for DrSierra_16:

(Start: 61 @10741 has 156 MA's), (97, 10897), (101, 10906), (104, 10915), (110, 10933), (122, 10987), (124, 10999), (137, 11047), (162, 11164), (181, 11245), (182, 11248), (187, 11278), (206, 11332), (215, 11362), (225, 11404), (228, 11419), (234, 11443), (242, 11485), (247, 11503), (287, 11608), (344, 11728), (429, 11848), (438, 11869), (444, 11887), (446, 11896), (462, 11944), (464, 11953), (481, 11998), (494, 12040), (506, 12079), (512, 12097), (525, 12139), (559, 12241), (574, 12286), (579, 12301), (609, 12355), (625, 12373), (637, 12400), (640, 12409), (662, 12499), (686, 12553), (714, 12607), (719, 12628), (748, 12760), (755, 12790), (821, 12970),

Gene: DreamTeam_14 Start: 9784, Stop: 12330, Start Num: 61

Candidate Starts for DreamTeam_14:

(55, 9763), (Start: 61 @9784 has 156 MA's), (70, 9832), (88, 9913), (102, 9967), (114, 10009), (126, 10057), (128, 10072), (129, 10078), (168, 10240), (178, 10285), (189, 10336), (190, 10339), (249, 10564), (255, 10585), (274, 10639), (281, 10657), (282, 10660), (294, 10690), (399, 11026), (416,

11080), (418, 11086), (424, 11104), (426, 11110), (441, 11155), (451, 11188), (452, 11191), (467, 11239), (468, 11242), (472, 11254), (475, 11263), (487, 11308), (490, 11317), (497, 11338), (500, 11350), (501, 11353), (509, 11377), (511, 11383), (513, 11389), (519, 11410), (521, 11416), (528, 11437), (535, 11461), (537, 11470), (543, 11488), (552, 11509), (554, 11515), (568, 11560), (569, 11563), (571, 11572), (572, 11575), (607, 11674), (608, 11680), (647, 11734), (672, 11824), (724, 11956), (725, 11959), (739, 12013), (745, 12052), (750, 12070), (757, 12100), (759, 12109), (772, 12151), (814, 12271),

Gene: EarickHC_36 Start: 20522, Stop: 23389, Start Num: 60

Candidate Starts for EarickHC_36:

(Start: 60 @20522 has 54 MA's), (65, 20546), (141, 20855), (188, 21071), (202, 21125), (207, 21146), (215, 21176), (242, 21308), (248, 21329), (272, 21395), (278, 21410), (300, 21473), (313, 21524), (316, 21536), (333, 21587), (339, 21611), (341, 21614), (345, 21629), (353, 21653), (363, 21689), (369, 21710), (397, 21803), (406, 21833), (421, 21878), (448, 21968), (502, 22139), (515, 22178), (522, 22202), (526, 22214), (529, 22223), (540, 22262), (543, 22271), (551, 22292), (567, 22343), (575, 22370), (581, 22388), (602, 22442), (604, 22451), (609, 22469), (611, 22475), (614, 22487), (633, 22547), (635, 22556), (645, 22598), (649, 22616), (653, 22634), (654, 22640), (671, 22691), (687, 22772), (696, 22805), (698, 22820), (706, 22883), (707, 22886), (712, 22907), (714, 22916), (722, 22952), (729, 22991), (747, 23066), (753, 23090), (759, 23120), (765, 23144), (811, 23294), (812, 23297),

Gene: Edmundo_67 Start: 37140, Stop: 40157, Start Num: 44

Candidate Starts for Edmundo_67:

(Start: 44 @37140 has 7 MA's), (52, 37161), (58, 37191), (Start: 61 @37194 has 156 MA's), (83, 37299), (114, 37392), (127, 37452), (176, 37662), (178, 37668), (179, 37671), (180, 37674), (185, 37701), (203, 37761), (217, 37812), (226, 37854), (227, 37857), (232, 37884), (244, 37941), (250, 37959), (326, 38109), (346, 38169), (379, 38202), (382, 38211), (409, 38277), (418, 38301), (449, 38397), (464, 38445), (465, 38448), (469, 38460), (476, 38481), (480, 38493), (494, 38544), (523, 38637), (528, 38652), (552, 38727), (563, 38760), (566, 38772), (569, 38781), (578, 38811), (583, 38826), (586, 38835), (595, 38850), (610, 38904), (645, 38943), (675, 39069), (736, 39219), (741, 39240), (746, 39273), (749, 39276), (752, 39294), (758, 39318), (761, 39330), (765, 39351), (813, 39486), (819, 39507), (826, 39528), (838, 39570), (839, 39573), (844, 39681), (845, 39705), (846, 39714), (848, 39768), (849, 39777), (851, 39840), (853, 39870), (854, 39879), (856, 39978), (857, 39984), (859, 40014), (860, 40053), (862, 40140),

Gene: Elezi_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for Elezi_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325), (228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837), (809, 12927),

Gene: Emotion_15 Start: 9044, Stop: 11284, Start Num: 61

Candidate Starts for Emotion_15:

(Start: 61 @9044 has 156 MA's), (80, 9131), (112, 9233), (127, 9299), (151, 9404), (178, 9515), (180, 9521), (217, 9659), (227, 9704), (250, 9806), (255, 9824), (332, 9938), (409, 10034), (439, 10121), (451, 10160), (463, 10184), (470, 10208), (473, 10217), (479, 10235), (485, 10262), (501, 10313), (505, 10325), (523, 10382), (539, 10436), (555, 10478), (599, 10607), (640, 10664), (674, 10796), (675, 10799), (724, 10916), (745, 11012), (748, 11018), (755, 11048),

Gene: Enochoraptor_14 Start: 8517, Stop: 11282, Start Num: 62

Candidate Starts for Enochoraptor_14:

(Start: 62 @8517 has 45 MA's), (66, 8544), (68, 8550), (70, 8562), (72, 8571), (79, 8604), (80, 8607), (90, 8652), (92, 8658), (101, 8679), (102, 8682), (116, 8730), (123, 8760), (130, 8796), (139, 8829), (143, 8850), (147, 8871), (153, 8901), (156, 8916), (160, 8934), (164, 8943), (166, 8946), (170, 8964), (182, 9021), (185, 9036), (187, 9051), (188, 9054), (191, 9066), (197, 9081), (199, 9090), (209, 9126), (212, 9135), (213, 9138), (222, 9180), (224, 9192), (234, 9237), (243, 9282), (249, 9303), (255, 9324), (266, 9357), (271, 9366), (283, 9399), (285, 9402), (290, 9414), (293, 9432), (295, 9441), (299, 9453), (301, 9465), (305, 9477), (313, 9507), (314, 9513), (318, 9528), (319, 9534), (323, 9543), (330, 9564), (337, 9588), (346, 9618), (350, 9630), (353, 9639), (354, 9642), (360, 9660), (368, 9690), (371, 9702), (377, 9723), (380, 9732), (386, 9744), (393, 9777), (394, 9780), (407, 9822), (416, 9849), (417, 9852), (421, 9864), (423, 9873), (426, 9882), (433, 9903), (437, 9915), (442, 9930), (444, 9936), (446, 9945), (452, 9963), (453, 9969), (462, 9993), (467, 10011), (468, 10014), (469, 10017), (472, 10026), (473, 10029), (475, 10035), (481, 10056), (488, 10083), (491, 10089), (492, 10092), (495, 10101), (496, 10104), (498, 10110), (502, 10125), (506, 10137), (508, 10143), (523, 10191), (526, 10200), (528, 10206), (529, 10209), (530, 10212), (535, 10230), (538, 10242), (547, 10263), (548, 10266), (551, 10275), (554, 10284), (565, 10320), (582, 10374), (587, 10386), (592, 10395), (597, 10404), (601, 10419), (616, 10479), (620, 10494), (635, 10548), (646, 10593), (650, 10611), (651, 10614), (652, 10623), (659, 10656), (669, 10683), (679, 10725), (680, 10734), (688, 10746), (691, 10758), (693, 10767), (703, 10788), (711, 10821), (713, 10830), (714, 10833), (715, 10836), (719, 10854), (720, 10857), (721, 10866), (725, 10890), (727, 10899), (728, 10902), (730, 10911), (733, 10920), (741, 10953), (742, 10956), (744, 10980), (755, 11019), (762, 11049), (764, 11055), (765, 11064), (767, 11073), (774, 11097), (780, 11115), (784, 11127), (794, 11163), (799, 11181), (801, 11184), (804, 11190), (825, 11259), (830, 11268), (832, 11277),

Gene: Enoki_14 Start: 8500, Stop: 11265, Start Num: 62

Candidate Starts for Enoki_14:

(Start: 62 @8500 has 45 MA's), (66, 8527), (68, 8533), (70, 8545), (72, 8554), (76, 8578), (79, 8587), (80, 8590), (90, 8635), (92, 8641), (101, 8662), (102, 8665), (116, 8713), (123, 8743), (130, 8779), (139, 8812), (143, 8833), (147, 8854), (153, 8884), (156, 8899), (160, 8917), (164, 8926), (166, 8929), (170, 8947), (182, 9004), (185, 9019), (187, 9034), (188, 9037), (191, 9049), (197, 9064), (198, 9067), (199, 9073), (209, 9109), (212, 9118), (213, 9121), (222, 9163), (224, 9175), (234, 9220), (243, 9265), (249, 9286), (255, 9307), (266, 9340), (271, 9349), (283, 9382), (285, 9385), (290, 9397), (293, 9415), (295, 9424), (299, 9436), (301, 9448), (305, 9460), (307, 9469), (314, 9496), (318, 9511), (319, 9517), (323, 9526), (330, 9547), (337, 9571), (346, 9601), (348, 9607), (350, 9613), (360, 9643), (368, 9673), (371, 9685), (377, 9706), (380, 9715), (386, 9727), (393, 9760), (394, 9763), (397, 9772), (399, 9778), (403, 9793), (407, 9805), (409, 9814), (413, 9826), (416, 9832), (420, 9844), (421, 9847), (423, 9856), (426, 9865), (433, 9886), (442, 9913), (444, 9919), (446, 9928), (452, 9946), (453, 9952), (462, 9976), (467, 9994), (468, 9997), (469, 10000), (473, 10012), (475, 10018), (476, 10021), (480, 10033), (481, 10039), (486, 10060), (488, 10066), (491, 10072), (492, 10075), (494, 10081), (495, 10084), (496, 10087), (498, 10093), (502, 10108), (506, 10120), (508, 10126), (518, 10159), (519, 10162), (521, 10168), (526, 10183), (528, 10189), (529, 10192), (535, 10213), (537, 10222), (547, 10246), (550, 10255), (551, 10258), (554, 10267), (565, 10303), (568, 10312), (587, 10369), (592, 10378), (597, 10387), (599, 10396), (620, 10477), (624, 10489), (635, 10531), (646, 10576), (651, 10597), (652, 10606), (659, 10639), (679, 10708), (680, 10717), (688, 10729), (691, 10741), (693, 10750), (711, 10804), (713, 10813), (714, 10816), (715, 10819), (721, 10849), (725, 10873), (728, 10885), (730, 10894), (733, 10903), (744, 10963), (755, 11002), (762, 11032), (764, 11038), (765, 11047), (767, 11056), (774, 11080), (780, 11098), (784, 11110), (799, 11164), (801, 11167), (804, 11173), (825, 11242), (830, 11251), (832, 11260),

Gene: Eraser_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for Eraser_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325),

(228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (433, 11820), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837),

Gene: EstebanJulior_14 Start: 9752, Stop: 12301, Start Num: 61

Candidate Starts for EstebanJulior_14:

(53, 9722), (Start: 61 @9752 has 156 MA's), (88, 9881), (95, 9917), (126, 10025), (128, 10040), (161, 10187), (168, 10208), (189, 10304), (219, 10394), (238, 10487), (270, 10598), (294, 10658), (296, 10667), (380, 10940), (399, 10994), (408, 11027), (416, 11048), (418, 11054), (424, 11072), (452, 11159), (472, 11222), (487, 11276), (490, 11285), (497, 11306), (500, 11318), (501, 11321), (509, 11345), (511, 11351), (513, 11357), (516, 11366), (519, 11378), (521, 11384), (528, 11405), (537, 11438), (542, 11453), (543, 11456), (552, 11477), (554, 11483), (558, 11495), (568, 11528), (569, 11531), (571, 11540), (572, 11543), (577, 11558), (607, 11642), (642, 11681), (672, 11792), (674, 11804), (710, 11849), (724, 11924), (725, 11927), (739, 11981), (757, 12068), (759, 12077), (765, 12101), (768, 12113), (789, 12170), (790, 12176), (814, 12242), (827, 12284),

Gene: Eunoia_14 Start: 9738, Stop: 12296, Start Num: 61

Candidate Starts for Eunoia_14:

(Start: 61 @9738 has 156 MA's), (64, 9747), (69, 9777), (88, 9867), (114, 9963), (124, 10008), (128, 10026), (168, 10194), (189, 10290), (190, 10293), (193, 10308), (222, 10395), (277, 10599), (278, 10602), (305, 10686), (399, 10992), (418, 11052), (424, 11070), (426, 11076), (437, 11109), (441, 11121), (452, 11157), (461, 11184), (468, 11208), (470, 11214), (486, 11271), (494, 11295), (497, 11304), (501, 11319), (509, 11343), (513, 11355), (519, 11376), (521, 11382), (528, 11403), (535, 11427), (537, 11436), (543, 11454), (552, 11475), (554, 11481), (558, 11493), (568, 11526), (569, 11529), (572, 11541), (577, 11556), (578, 11559), (608, 11646), (655, 11736), (656, 11739), (672, 11790), (710, 11847), (711, 11856), (714, 11868), (724, 11922), (725, 11925), (739, 11979), (745, 12018), (757, 12066), (759, 12075), (765, 12099), (768, 12111), (802, 12207), (814, 12237),

Gene: Ezurina_16 Start: 9139, Stop: 11424, Start Num: 57

Candidate Starts for Ezurina_16:

(Start: 57 @9139 has 8 MA's), (101, 9295), (127, 9397), (178, 9613), (179, 9616), (217, 9757), (250, 9904), (278, 9967), (336, 10084), (347, 10117), (353, 10135), (432, 10258), (460, 10333), (473, 10375), (475, 10381), (486, 10423), (490, 10435), (491, 10438), (492, 10441), (509, 10495), (516, 10516), (518, 10525), (519, 10528), (522, 10537), (525, 10546), (527, 10552), (532, 10570), (533, 10573), (536, 10582), (542, 10603), (546, 10612), (551, 10624), (569, 10681), (577, 10708), (578, 10711), (603, 10777), (642, 10831), (654, 10885), (655, 10888), (657, 10900), (675, 10957), (677, 10963), (707, 10990), (719, 11041), (724, 11074), (725, 11077), (745, 11170), (748, 11176), (759, 11227), (765, 11251), (767, 11260), (768, 11263), (829, 11419),

Gene: FireCastle_19 Start: 13235, Stop: 15373, Start Num: 67

Candidate Starts for FireCastle_19:

(Start: 67 @13235 has 19 MA's), (111, 13385), (162, 13604), (167, 13619), (179, 13670), (217, 13811), (227, 13856), (230, 13877), (237, 13901), (254, 13973), (268, 13997), (274, 14000), (313, 14069), (322, 14078), (325, 14084), (364, 14162), (366, 14168), (390, 14210), (415, 14279), (420, 14294), (425, 14312), (447, 14345), (457, 14378), (504, 14477), (512, 14501), (522, 14534), (607, 14756), (643, 14798), (645, 14807), (660, 14873), (727, 15017), (740, 15062), (743, 15083), (745, 15098), (754, 15128), (768, 15188), (777, 15212),

Gene: FiveHead_15 Start: 8974, Stop: 11217, Start Num: 61

Candidate Starts for FiveHead_15:

(Start: 61 @8974 has 156 MA's), (80, 9061), (112, 9163), (127, 9229), (151, 9334), (178, 9445), (180, 9451), (206, 9547), (217, 9589), (250, 9736), (255, 9754), (328, 9856), (425, 10012), (451, 10090),

(470, 10138), (473, 10147), (479, 10165), (490, 10207), (493, 10216), (501, 10243), (511, 10273), (521, 10306), (555, 10408), (558, 10417), (562, 10429), (568, 10450), (569, 10453), (578, 10483), (639, 10591), (724, 10846), (727, 10858), (745, 10942), (748, 10948), (755, 10978),

Gene: Floop_15 Start: 9530, Stop: 12451, Start Num: 16

Candidate Starts for Floop_15:

(Start: 16 @9530 has 7 MA's), (29, 9713), (32, 9737), (37, 9767), (49, 9809), (73, 9917), (86, 9977), (123, 10118), (134, 10172), (164, 10307), (171, 10331), (172, 10334), (186, 10403), (205, 10460), (219, 10505), (220, 10511), (235, 10577), (279, 10724), (294, 10772), (331, 10883), (399, 10988), (442, 11099), (501, 11294), (513, 11330), (526, 11372), (533, 11396), (552, 11450), (554, 11456), (558, 11468), (619, 11666), (623, 11678), (627, 11696), (645, 11798), (673, 11900), (707, 11945), (738, 12077), (759, 12179), (763, 12191), (776, 12236), (779, 12245), (804, 12317), (824, 12380), (835, 12416),

Gene: Fluke_18 Start: 12615, Stop: 15176, Start Num: 61

Candidate Starts for Fluke_18:

(55, 12594), (Start: 61 @12615 has 156 MA's), (70, 12663), (76, 12696), (88, 12744), (93, 12768), (95, 12780), (114, 12840), (126, 12888), (128, 12903), (129, 12909), (156, 13029), (168, 13071), (189, 13167), (190, 13170), (201, 13200), (218, 13254), (249, 13395), (255, 13416), (262, 13440), (270, 13461), (274, 13470), (294, 13521), (300, 13539), (356, 13725), (399, 13869), (408, 13902), (418, 13929), (424, 13947), (426, 13953), (434, 13977), (437, 13986), (452, 14034), (461, 14061), (470, 14091), (472, 14097), (486, 14148), (491, 14163), (495, 14175), (497, 14181), (498, 14184), (500, 14193), (509, 14220), (513, 14232), (516, 14241), (519, 14253), (521, 14259), (528, 14280), (535, 14304), (537, 14313), (552, 14352), (558, 14370), (568, 14403), (569, 14406), (571, 14415), (572, 14418), (577, 14433), (608, 14523), (643, 14559), (672, 14667), (692, 14703), (724, 14799), (725, 14802), (739, 14856), (745, 14895), (757, 14943), (759, 14952), (765, 14976), (772, 14994), (789, 15045), (797, 15069), (802, 15087), (814, 15117),

Gene: Flutur_16 Start: 10730, Stop: 13045, Start Num: 61

Candidate Starts for Flutur_16:

(Start: 61 @10730 has 156 MA's), (97, 10886), (101, 10895), (122, 10976), (137, 11036), (138, 11039), (146, 11081), (162, 11153), (181, 11234), (182, 11237), (187, 11267), (215, 11351), (225, 11393), (228, 11408), (234, 11432), (247, 11492), (344, 11717), (421, 11813), (444, 11876), (446, 11885), (462, 11933), (464, 11942), (468, 11954), (481, 11987), (494, 12029), (506, 12068), (525, 12128), (572, 12269), (609, 12344), (623, 12356), (640, 12398), (642, 12407), (648, 12431), (666, 12500), (672, 12518), (674, 12530), (721, 12629), (724, 12650), (725, 12653), (734, 12686), (750, 12764), (759, 12803), (777, 12863), (809, 12944), (825, 12989), (837, 13034),

Gene: Forester_15 Start: 11062, Stop: 13983, Start Num: 16

Candidate Starts for Forester_15:

(Start: 16 @11062 has 7 MA's), (29, 11245), (32, 11269), (49, 11341), (73, 11449), (86, 11509), (134, 11704), (164, 11839), (171, 11863), (172, 11866), (205, 11992), (208, 12001), (220, 12043), (235, 12109), (279, 12256), (298, 12316), (331, 12415), (347, 12466), (381, 12496), (423, 12580), (442, 12631), (452, 12664), (513, 12862), (541, 12955), (552, 12982), (563, 13015), (569, 13036), (579, 13069), (591, 13099), (607, 13147), (619, 13198), (645, 13330), (707, 13477), (738, 13609), (759, 13711), (776, 13768), (779, 13777), (808, 13870), (824, 13912), (835, 13948),

Gene: FuzzBuster_40 Start: 20718, Stop: 23513, Start Num: 60

Candidate Starts for FuzzBuster_40:

(Start: 60 @20718 has 54 MA's), (84, 20832), (180, 21201), (207, 21321), (218, 21366), (242, 21483), (278, 21585), (293, 21624), (300, 21648), (313, 21699), (321, 21726), (331, 21756), (339, 21786), (354, 21831), (363, 21864), (369, 21885), (370, 21888), (408, 22017), (448, 22122), (465, 22173), (492, 22260), (515, 22332), (522, 22356), (526, 22368), (529, 22377), (553, 22452), (560, 22473),

(611, 22629), (634, 22707), (645, 22752), (654, 22794), (669, 22842), (680, 22893), (687, 22926),
(695, 22953), (698, 22974), (712, 23061), (747, 23220), (753, 23244), (756, 23256), (763, 23274),
(771, 23298), (772, 23301), (774, 23307), (786, 23340),

Gene: Gambol_16 Start: 10243, Stop: 12663, Start Num: 61

Candidate Starts for Gambol_16:

(Start: 61 @10243 has 156 MA's), (80, 10330), (97, 10387), (113, 10435), (117, 10447), (128, 10507),
(152, 10618), (174, 10699), (205, 10825), (210, 10840), (223, 10894), (269, 11068), (299, 11152),
(304, 11173), (315, 11194), (324, 11215), (342, 11266), (383, 11341), (400, 11362), (416, 11395),
(436, 11452), (450, 11494), (454, 11509), (471, 11560), (482, 11596), (515, 11704), (521, 11725),
(534, 11767), (537, 11779), (558, 11833), (572, 11881), (622, 11977), (669, 12133), (674, 12154),
(686, 12166), (713, 12217), (745, 12367), (755, 12403), (778, 12484), (821, 12595),

Gene: Ganandorf_35 Start: 20658, Stop: 23525, Start Num: 60

Candidate Starts for Ganandorf_35:

(Start: 60 @20658 has 54 MA's), (65, 20682), (141, 20991), (188, 21207), (202, 21261), (207, 21282),
(215, 21312), (242, 21444), (248, 21465), (272, 21531), (278, 21546), (300, 21609), (313, 21660),
(316, 21672), (333, 21723), (339, 21747), (341, 21750), (345, 21765), (353, 21789), (363, 21825),
(369, 21846), (397, 21939), (402, 21957), (421, 22014), (448, 22104), (457, 22131), (502, 22275),
(515, 22314), (522, 22338), (526, 22350), (529, 22359), (540, 22398), (543, 22407), (551, 22428),
(567, 22479), (575, 22506), (581, 22524), (602, 22578), (604, 22587), (609, 22605), (611, 22611),
(614, 22623), (633, 22683), (635, 22692), (645, 22734), (649, 22752), (653, 22770), (654, 22776),
(671, 22827), (687, 22908), (696, 22941), (698, 22956), (706, 23019), (707, 23022), (712, 23043),
(714, 23052), (722, 23088), (729, 23127), (747, 23202), (753, 23226), (759, 23256), (765, 23280),
(811, 23430), (812, 23433),

Gene: Germa_37 Start: 20487, Stop: 23354, Start Num: 60

Candidate Starts for Germa_37:

(Start: 60 @20487 has 54 MA's), (65, 20511), (141, 20820), (188, 21036), (202, 21090), (207, 21111),
(215, 21141), (242, 21273), (248, 21294), (272, 21360), (278, 21375), (300, 21438), (313, 21489),
(316, 21501), (333, 21552), (339, 21576), (341, 21579), (345, 21594), (353, 21618), (363, 21654),
(369, 21675), (397, 21768), (402, 21786), (406, 21798), (421, 21843), (448, 21933), (457, 21960),
(502, 22104), (515, 22143), (522, 22167), (526, 22179), (529, 22188), (540, 22227), (543, 22236),
(551, 22257), (567, 22308), (575, 22335), (581, 22353), (602, 22407), (604, 22416), (609, 22434),
(611, 22440), (614, 22452), (633, 22512), (635, 22521), (645, 22563), (649, 22581), (653, 22599),
(654, 22605), (671, 22656), (687, 22737), (696, 22770), (698, 22785), (706, 22848), (707, 22851),
(712, 22872), (714, 22881), (722, 22917), (729, 22956), (747, 23031), (753, 23055), (759, 23085),
(765, 23109), (811, 23259), (812, 23262),

Gene: Gerri43_17 Start: 9567, Stop: 11855, Start Num: 56

Candidate Starts for Gerri43_17:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044),
(217, 10188), (241, 10299), (250, 10335), (262, 10377), (336, 10515), (346, 10545), (347, 10548),
(353, 10566), (383, 10608), (433, 10692), (441, 10716), (460, 10764), (473, 10806), (475, 10812),
(486, 10854), (492, 10872), (505, 10914), (509, 10926), (516, 10947), (522, 10968), (525, 10977),
(527, 10983), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139),
(578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385),
(677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658),
(765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: Gina_37 Start: 20438, Stop: 23305, Start Num: 60

Candidate Starts for Gina_37:

(Start: 60 @20438 has 54 MA's), (65, 20462), (104, 20618), (141, 20771), (202, 21041), (207, 21062), (215, 21092), (242, 21224), (248, 21245), (278, 21326), (300, 21389), (313, 21440), (323, 21473), (333, 21503), (339, 21527), (341, 21530), (345, 21545), (353, 21569), (354, 21572), (363, 21605), (369, 21626), (397, 21719), (421, 21794), (448, 21884), (457, 21911), (464, 21932), (474, 21962), (502, 22055), (515, 22094), (526, 22130), (529, 22139), (537, 22169), (547, 22196), (560, 22235), (562, 22241), (580, 22301), (611, 22391), (614, 22403), (635, 22472), (649, 22532), (654, 22556), (669, 22604), (687, 22688), (695, 22715), (698, 22736), (706, 22799), (707, 22802), (712, 22823), (714, 22832), (722, 22868), (723, 22880), (747, 22982), (753, 23006), (759, 23036), (817, 23222), (831, 23261), (838, 23291), (839, 23294),

Gene: Giorgio_16 Start: 10343, Stop: 12763, Start Num: 61

Candidate Starts for Giorgio_16:

(Start: 61 @10343 has 156 MA's), (80, 10430), (113, 10535), (117, 10547), (128, 10607), (152, 10718), (174, 10799), (205, 10925), (210, 10940), (223, 10994), (269, 11168), (299, 11252), (304, 11273), (324, 11315), (383, 11441), (400, 11462), (416, 11495), (436, 11552), (450, 11594), (454, 11609), (471, 11660), (482, 11696), (483, 11702), (515, 11804), (521, 11825), (534, 11867), (556, 11927), (558, 11933), (572, 11981), (622, 12077), (669, 12233), (674, 12254), (686, 12266), (713, 12317), (745, 12467), (755, 12503), (778, 12584), (810, 12671), (821, 12695),

Gene: Gisselle_14 Start: 9784, Stop: 12330, Start Num: 61

Candidate Starts for Gisselle_14:

(55, 9763), (Start: 61 @9784 has 156 MA's), (70, 9832), (88, 9913), (102, 9967), (114, 10009), (126, 10057), (128, 10072), (129, 10078), (168, 10240), (178, 10285), (189, 10336), (190, 10339), (249, 10564), (255, 10585), (274, 10639), (281, 10657), (282, 10660), (294, 10690), (399, 11026), (416, 11080), (418, 11086), (424, 11104), (426, 11110), (441, 11155), (451, 11188), (452, 11191), (467, 11239), (468, 11242), (472, 11254), (475, 11263), (487, 11308), (490, 11317), (497, 11338), (500, 11350), (501, 11353), (509, 11377), (511, 11383), (513, 11389), (519, 11410), (521, 11416), (528, 11437), (535, 11461), (537, 11470), (543, 11488), (552, 11509), (554, 11515), (568, 11560), (569, 11563), (571, 11572), (572, 11575), (607, 11674), (608, 11680), (647, 11734), (672, 11824), (724, 11956), (725, 11959), (739, 12013), (745, 12052), (750, 12070), (757, 12100), (759, 12109), (772, 12151), (814, 12271),

Gene: Glenn_18 Start: 12624, Stop: 15185, Start Num: 61

Candidate Starts for Glenn_18:

(55, 12603), (Start: 61 @12624 has 156 MA's), (70, 12672), (76, 12705), (88, 12753), (93, 12777), (95, 12789), (114, 12849), (126, 12897), (128, 12912), (129, 12918), (156, 13038), (168, 13080), (189, 13176), (190, 13179), (201, 13209), (218, 13263), (249, 13404), (255, 13425), (262, 13449), (270, 13470), (274, 13479), (294, 13530), (300, 13548), (356, 13734), (399, 13878), (408, 13911), (418, 13938), (424, 13956), (426, 13962), (434, 13986), (437, 13995), (452, 14043), (461, 14070), (470, 14100), (472, 14106), (486, 14157), (491, 14172), (495, 14184), (497, 14190), (498, 14193), (500, 14202), (509, 14229), (513, 14241), (516, 14250), (519, 14262), (521, 14268), (528, 14289), (535, 14313), (537, 14322), (552, 14361), (558, 14379), (568, 14412), (569, 14415), (571, 14424), (572, 14427), (577, 14442), (608, 14532), (643, 14568), (672, 14676), (692, 14712), (724, 14808), (725, 14811), (739, 14865), (745, 14904), (757, 14952), (759, 14961), (765, 14985), (772, 15003), (789, 15054), (797, 15078), (802, 15096), (814, 15126),

Gene: Glorp_37 Start: 20659, Stop: 23526, Start Num: 60

Candidate Starts for Glorp_37:

(Start: 60 @20659 has 54 MA's), (65, 20683), (141, 20992), (188, 21208), (202, 21262), (207, 21283), (215, 21313), (242, 21445), (248, 21466), (272, 21532), (278, 21547), (300, 21610), (313, 21661), (316, 21673), (333, 21724), (339, 21748), (341, 21751), (345, 21766), (353, 21790), (363, 21826), (369, 21847), (397, 21940), (402, 21958), (406, 21970), (421, 22015), (448, 22105), (457, 22132), (502, 22276), (515, 22315), (522, 22339), (526, 22351), (529, 22360), (540, 22399), (543, 22408),

(551, 22429), (567, 22480), (575, 22507), (581, 22525), (602, 22579), (604, 22588), (609, 22606), (611, 22612), (614, 22624), (633, 22684), (635, 22693), (645, 22735), (649, 22753), (653, 22771), (654, 22777), (671, 22828), (687, 22909), (696, 22942), (698, 22957), (706, 23020), (707, 23023), (712, 23044), (714, 23053), (722, 23089), (729, 23128), (747, 23203), (753, 23227), (759, 23257), (765, 23281), (811, 23431), (812, 23434),

Gene: GoldDust_19 Start: 15321, Stop: 18470, Start Num: 2

Candidate Starts for GoldDust_19:

(Start: 2 @15321 has 4 MA's), (3, 15342), (4, 15366), (10, 15516), (13, 15570), (15, 15594), (18, 15705), (24, 15771), (28, 15804), (39, 15876), (74, 16023), (77, 16041), (89, 16089), (102, 16131), (136, 16278), (211, 16584), (218, 16617), (227, 16659), (231, 16683), (259, 16794), (272, 16827), (274, 16833), (282, 16854), (300, 16911), (314, 16965), (331, 17016), (350, 17079), (359, 17106), (389, 17208), (397, 17238), (408, 17277), (436, 17364), (448, 17403), (478, 17499), (488, 17538), (502, 17583), (513, 17616), (518, 17634), (531, 17673), (543, 17706), (560, 17745), (606, 17880), (607, 17883), (652, 17967), (657, 17991), (677, 18060), (717, 18132), (732, 18201), (741, 18240), (751, 18294), (775, 18357), (780, 18369), (798, 18417),

Gene: Gooberta_19 Start: 15320, Stop: 18469, Start Num: 2

Candidate Starts for Gooberta_19:

(Start: 2 @15320 has 4 MA's), (4, 15365), (10, 15515), (13, 15569), (15, 15593), (18, 15704), (24, 15770), (28, 15803), (39, 15875), (74, 16022), (77, 16040), (89, 16088), (102, 16130), (136, 16277), (211, 16583), (218, 16616), (227, 16658), (231, 16682), (259, 16793), (272, 16826), (274, 16832), (282, 16853), (300, 16910), (314, 16964), (331, 17015), (350, 17078), (359, 17105), (389, 17207), (397, 17237), (408, 17276), (436, 17363), (448, 17402), (478, 17498), (488, 17537), (502, 17582), (513, 17615), (518, 17633), (531, 17672), (543, 17705), (560, 17744), (606, 17879), (607, 17882), (652, 17966), (657, 17990), (677, 18059), (717, 18131), (732, 18200), (741, 18239), (751, 18293), (775, 18356), (780, 18368), (798, 18416),

Gene: Goodman_20 Start: 13490, Stop: 15478, Start Num: 67

Candidate Starts for Goodman_20:

(40, 13391), (Start: 67 @13490 has 19 MA's), (111, 13640), (117, 13655), (120, 13667), (162, 13859), (170, 13883), (179, 13925), (203, 14015), (217, 14066), (230, 14132), (250, 14213), (254, 14228), (268, 14252), (325, 14339), (378, 14441), (390, 14465), (415, 14534), (425, 14567), (522, 14765), (566, 14792), (571, 14810), (603, 14864), (641, 14912), (644, 14924), (645, 14930), (660, 14996), (665, 15008), (666, 15011), (740, 15185), (745, 15221), (754, 15251), (768, 15311), (822, 15452),

Gene: Graynor_18 Start: 12633, Stop: 15188, Start Num: 61

Candidate Starts for Graynor_18:

(55, 12612), (Start: 61 @12633 has 156 MA's), (70, 12681), (88, 12762), (93, 12786), (114, 12858), (126, 12906), (128, 12921), (129, 12927), (168, 13089), (178, 13134), (189, 13185), (190, 13188), (201, 13218), (218, 13272), (236, 13356), (270, 13479), (294, 13539), (300, 13557), (303, 13572), (317, 13623), (390, 13854), (396, 13878), (418, 13947), (424, 13965), (426, 13971), (444, 14025), (447, 14037), (453, 14058), (462, 14082), (487, 14169), (495, 14193), (497, 14199), (498, 14202), (501, 14214), (508, 14235), (509, 14238), (511, 14244), (513, 14250), (518, 14268), (519, 14271), (521, 14277), (529, 14301), (535, 14322), (537, 14331), (543, 14349), (552, 14370), (555, 14379), (558, 14388), (568, 14421), (569, 14424), (571, 14433), (572, 14436), (591, 14487), (643, 14577), (672, 14685), (674, 14697), (689, 14718), (692, 14721), (724, 14817), (725, 14820), (739, 14874), (745, 14913), (759, 14970), (772, 15012), (789, 15060), (802, 15102), (814, 15132),

Gene: GreenHearts_18 Start: 12707, Stop: 15268, Start Num: 61

Candidate Starts for GreenHearts_18:

(55, 12686), (Start: 61 @12707 has 156 MA's), (79, 12797), (88, 12836), (95, 12872), (114, 12932), (126, 12980), (128, 12995), (168, 13163), (178, 13208), (189, 13259), (190, 13262), (218, 13346),

(262, 13532), (277, 13568), (281, 13580), (296, 13622), (390, 13931), (418, 14024), (424, 14042), (426, 14048), (452, 14129), (453, 14135), (463, 14162), (472, 14192), (490, 14255), (495, 14270), (498, 14279), (499, 14282), (501, 14291), (509, 14315), (513, 14327), (515, 14333), (519, 14348), (521, 14354), (522, 14357), (529, 14378), (533, 14393), (537, 14408), (543, 14426), (546, 14432), (552, 14447), (555, 14456), (558, 14465), (568, 14498), (569, 14501), (572, 14513), (574, 14519), (578, 14531), (603, 14597), (607, 14612), (640, 14642), (642, 14651), (672, 14762), (692, 14798), (710, 14819), (724, 14894), (725, 14897), (739, 14951), (745, 14990), (759, 15047), (765, 15071), (780, 15113), (789, 15140), (814, 15209),

Gene: Greenhouse_18 Start: 12631, Stop: 15192, Start Num: 61

Candidate Starts for Greenhouse_18:

(55, 12610), (Start: 61 @12631 has 156 MA's), (79, 12721), (88, 12760), (103, 12817), (114, 12856), (126, 12904), (128, 12919), (168, 13087), (178, 13132), (189, 13183), (201, 13216), (249, 13411), (270, 13477), (277, 13492), (281, 13504), (296, 13546), (326, 13657), (356, 13744), (390, 13855), (399, 13888), (418, 13948), (426, 13972), (427, 13975), (452, 14053), (453, 14059), (454, 14062), (463, 14086), (472, 14116), (490, 14179), (495, 14194), (497, 14200), (498, 14203), (501, 14215), (509, 14239), (513, 14251), (515, 14257), (519, 14272), (521, 14278), (522, 14281), (529, 14302), (533, 14317), (537, 14332), (543, 14350), (546, 14356), (552, 14371), (555, 14380), (568, 14422), (569, 14425), (572, 14437), (574, 14443), (578, 14455), (598, 14503), (603, 14521), (607, 14536), (640, 14566), (642, 14575), (672, 14686), (692, 14722), (710, 14743), (724, 14818), (725, 14821), (739, 14875), (745, 14914), (759, 14971), (765, 14995), (780, 15037), (789, 15064), (814, 15133),

Gene: Gretchen_15 Start: 11056, Stop: 13977, Start Num: 16

Candidate Starts for Gretchen_15:

(Start: 16 @11056 has 7 MA's), (29, 11239), (32, 11263), (49, 11335), (73, 11443), (86, 11503), (134, 11698), (164, 11833), (171, 11857), (172, 11860), (205, 11986), (208, 11995), (220, 12037), (235, 12103), (279, 12250), (298, 12310), (331, 12409), (347, 12460), (381, 12490), (423, 12574), (442, 12625), (452, 12658), (513, 12856), (541, 12949), (552, 12976), (563, 13009), (569, 13030), (579, 13063), (591, 13093), (607, 13141), (619, 13192), (645, 13324), (707, 13471), (738, 13603), (759, 13705), (776, 13762), (779, 13771), (808, 13864), (824, 13906), (835, 13942),

Gene: Gumpizza_16 Start: 10336, Stop: 12756, Start Num: 61

Candidate Starts for Gumpizza_16:

(Start: 61 @10336 has 156 MA's), (80, 10423), (113, 10528), (117, 10540), (128, 10600), (152, 10711), (174, 10792), (205, 10918), (210, 10933), (223, 10987), (269, 11161), (299, 11245), (304, 11266), (324, 11308), (383, 11434), (400, 11455), (416, 11488), (436, 11545), (450, 11587), (454, 11602), (471, 11653), (482, 11689), (483, 11695), (515, 11797), (521, 11818), (534, 11860), (556, 11920), (558, 11926), (572, 11974), (622, 12070), (669, 12226), (674, 12247), (686, 12259), (713, 12310), (745, 12460), (755, 12496), (810, 12664), (821, 12688),

Gene: Halsey_16 Start: 10335, Stop: 12755, Start Num: 61

Candidate Starts for Halsey_16:

(Start: 61 @10335 has 156 MA's), (80, 10422), (113, 10527), (117, 10539), (128, 10599), (152, 10710), (174, 10791), (205, 10917), (210, 10932), (223, 10986), (269, 11160), (299, 11244), (304, 11265), (324, 11307), (383, 11433), (400, 11454), (416, 11487), (436, 11544), (450, 11586), (454, 11601), (471, 11652), (482, 11688), (483, 11694), (515, 11796), (521, 11817), (534, 11859), (556, 11919), (558, 11925), (572, 11973), (622, 12069), (674, 12246), (686, 12258), (713, 12309), (730, 12390), (745, 12459), (755, 12495), (778, 12576), (784, 12591), (810, 12663), (821, 12687),

Gene: HeadNerd_14 Start: 9720, Stop: 12287, Start Num: 61

Candidate Starts for HeadNerd_14:

(55, 9699), (Start: 61 @9720 has 156 MA's), (70, 9768), (88, 9849), (93, 9873), (114, 9945), (126, 9993), (128, 10008), (129, 10014), (168, 10176), (188, 10269), (189, 10272), (190, 10275), (201,

10305), (219, 10362), (249, 10500), (255, 10521), (270, 10566), (281, 10593), (294, 10626), (300, 10644), (311, 10686), (326, 10743), (408, 11007), (418, 11034), (424, 11052), (426, 11058), (434, 11082), (441, 11103), (452, 11139), (461, 11166), (470, 11196), (472, 11202), (486, 11253), (497, 11286), (509, 11325), (511, 11331), (513, 11337), (516, 11346), (519, 11358), (521, 11364), (529, 11388), (535, 11409), (537, 11418), (552, 11457), (558, 11475), (568, 11508), (569, 11511), (572, 11523), (577, 11538), (598, 11589), (607, 11622), (636, 11640), (643, 11664), (652, 11706), (672, 11772), (674, 11784), (710, 11829), (724, 11904), (725, 11907), (739, 11961), (745, 12000), (753, 12027), (759, 12057), (763, 12069), (765, 12081), (767, 12090), (789, 12156), (802, 12198), (814, 12228),

Gene: Herb_14 Start: 9744, Stop: 12302, Start Num: 61

Candidate Starts for Herb_14:

(Start: 61 @9744 has 156 MA's), (64, 9753), (69, 9783), (88, 9873), (95, 9909), (126, 10017), (128, 10032), (168, 10200), (189, 10296), (262, 10569), (270, 10590), (282, 10620), (294, 10650), (317, 10737), (357, 10860), (380, 10935), (399, 10998), (408, 11031), (416, 11052), (418, 11058), (424, 11076), (426, 11082), (434, 11106), (447, 11148), (452, 11163), (453, 11169), (463, 11196), (479, 11247), (487, 11280), (490, 11289), (497, 11310), (500, 11322), (509, 11349), (513, 11361), (516, 11370), (519, 11382), (521, 11388), (522, 11391), (529, 11412), (537, 11442), (543, 11460), (552, 11481), (555, 11490), (558, 11499), (568, 11532), (569, 11535), (572, 11547), (577, 11562), (607, 11646), (608, 11652), (643, 11688), (656, 11745), (657, 11754), (672, 11796), (710, 11853), (724, 11928), (725, 11931), (733, 11961), (739, 11985), (750, 12042), (757, 12072), (759, 12081), (765, 12105), (768, 12117), (814, 12243),

Gene: Hermeonysus_35 Start: 20531, Stop: 23398, Start Num: 60

Candidate Starts for Hermeonysus_35:

(Start: 60 @20531 has 54 MA's), (65, 20555), (141, 20864), (188, 21080), (202, 21134), (207, 21155), (215, 21185), (242, 21317), (248, 21338), (272, 21404), (278, 21419), (300, 21482), (313, 21533), (316, 21545), (333, 21596), (339, 21620), (341, 21623), (345, 21638), (353, 21662), (363, 21698), (369, 21719), (397, 21812), (402, 21830), (406, 21842), (421, 21887), (448, 21977), (457, 22004), (502, 22148), (515, 22187), (522, 22211), (526, 22223), (529, 22232), (540, 22271), (543, 22280), (551, 22301), (567, 22352), (575, 22379), (581, 22397), (602, 22451), (604, 22460), (609, 22478), (611, 22484), (614, 22496), (633, 22556), (635, 22565), (645, 22607), (649, 22625), (653, 22643), (654, 22649), (671, 22700), (687, 22781), (696, 22814), (698, 22829), (706, 22892), (707, 22895), (712, 22916), (714, 22925), (722, 22961), (729, 23000), (747, 23075), (753, 23099), (759, 23129), (765, 23153), (811, 23303), (812, 23306),

Gene: Hirko_18 Start: 14681, Stop: 17965, Start Num: 1

Candidate Starts for Hirko_18:

(Start: 1 @14681 has 1 MA's), (Start: 2 @14750 has 4 MA's), (4, 14795), (8, 14921), (10, 14978), (12, 15050), (17, 15164), (18, 15200), (24, 15266), (39, 15371), (74, 15518), (77, 15536), (89, 15584), (102, 15626), (136, 15773), (141, 15791), (152, 15848), (180, 15962), (190, 16010), (213, 16091), (227, 16154), (239, 16214), (254, 16271), (263, 16304), (274, 16328), (279, 16343), (282, 16349), (291, 16376), (311, 16445), (369, 16640), (373, 16655), (382, 16682), (389, 16703), (400, 16742), (436, 16859), (448, 16898), (451, 16907), (488, 17033), (491, 17042), (518, 17129), (531, 17168), (533, 17177), (543, 17201), (560, 17240), (606, 17375), (607, 17378), (664, 17507), (677, 17555), (717, 17627), (741, 17735), (751, 17789), (775, 17852), (780, 17864), (798, 17912),

Gene: Honeyfin_37 Start: 20846, Stop: 23713, Start Num: 60

Candidate Starts for Honeyfin_37:

(Start: 60 @20846 has 54 MA's), (65, 20870), (141, 21179), (188, 21395), (202, 21449), (207, 21470), (215, 21500), (242, 21632), (248, 21653), (272, 21719), (278, 21734), (300, 21797), (313, 21848), (316, 21860), (333, 21911), (339, 21935), (341, 21938), (345, 21953), (353, 21977), (363, 22013), (369, 22034), (397, 22127), (402, 22145), (406, 22157), (421, 22202), (448, 22292), (457, 22319),

(502, 22463), (515, 22502), (522, 22526), (526, 22538), (529, 22547), (540, 22586), (543, 22595), (551, 22616), (567, 22667), (575, 22694), (581, 22712), (602, 22766), (604, 22775), (609, 22793), (611, 22799), (614, 22811), (633, 22871), (635, 22880), (645, 22922), (649, 22940), (653, 22958), (654, 22964), (671, 23015), (687, 23096), (696, 23129), (698, 23144), (706, 23207), (707, 23210), (712, 23231), (714, 23240), (722, 23276), (729, 23315), (747, 23390), (753, 23414), (759, 23444), (765, 23468), (811, 23618), (812, 23621),

Gene: Htur_19 Start: 13514, Stop: 15508, Start Num: 67

Candidate Starts for Htur_19:

(Start: 67 @13514 has 19 MA's), (76, 13553), (111, 13664), (117, 13679), (120, 13691), (145, 13805), (162, 13883), (170, 13907), (203, 14039), (217, 14090), (230, 14156), (254, 14252), (325, 14363), (390, 14489), (411, 14549), (420, 14573), (425, 14591), (447, 14624), (509, 14771), (522, 14789), (568, 14822), (572, 14837), (607, 14903), (705, 15062), (707, 15068), (709, 15074), (724, 15152), (728, 15167), (740, 15209), (754, 15275), (772, 15344), (822, 15482),

Gene: Huckleberry_14 Start: 9720, Stop: 12287, Start Num: 61

Candidate Starts for Huckleberry_14:

(55, 9699), (Start: 61 @9720 has 156 MA's), (70, 9768), (88, 9849), (93, 9873), (114, 9945), (126, 9993), (128, 10008), (129, 10014), (168, 10176), (188, 10269), (189, 10272), (190, 10275), (201, 10305), (219, 10362), (249, 10500), (255, 10521), (270, 10566), (281, 10593), (294, 10626), (300, 10644), (311, 10686), (326, 10743), (408, 11007), (418, 11034), (424, 11052), (426, 11058), (434, 11082), (441, 11103), (452, 11139), (461, 11166), (470, 11196), (472, 11202), (486, 11253), (497, 11286), (509, 11325), (511, 11331), (513, 11337), (516, 11346), (519, 11358), (521, 11364), (529, 11388), (535, 11409), (537, 11418), (552, 11457), (558, 11475), (568, 11508), (569, 11511), (572, 11523), (577, 11538), (598, 11589), (607, 11622), (636, 11640), (643, 11664), (652, 11706), (672, 11772), (674, 11784), (710, 11829), (724, 11904), (725, 11907), (739, 11961), (745, 12000), (753, 12027), (759, 12057), (763, 12069), (765, 12081), (767, 12090), (789, 12156), (802, 12198), (814, 12228),

Gene: HunterDalle_14 Start: 9738, Stop: 12296, Start Num: 61

Candidate Starts for HunterDalle_14:

(Start: 61 @9738 has 156 MA's), (64, 9747), (69, 9777), (88, 9867), (114, 9963), (128, 10026), (168, 10194), (189, 10290), (190, 10293), (193, 10308), (222, 10395), (236, 10461), (277, 10599), (278, 10602), (305, 10686), (399, 10992), (418, 11052), (424, 11070), (426, 11076), (437, 11109), (441, 11121), (452, 11157), (461, 11184), (468, 11208), (470, 11214), (486, 11271), (494, 11295), (497, 11304), (501, 11319), (509, 11343), (513, 11355), (519, 11376), (521, 11382), (528, 11403), (535, 11427), (537, 11436), (543, 11454), (552, 11475), (554, 11481), (558, 11493), (568, 11526), (569, 11529), (572, 11541), (577, 11556), (578, 11559), (608, 11646), (655, 11736), (656, 11739), (672, 11790), (710, 11847), (711, 11856), (714, 11868), (724, 11922), (725, 11925), (739, 11979), (745, 12018), (757, 12066), (759, 12075), (765, 12099), (768, 12111), (802, 12207), (814, 12237),

Gene: Huntingdon_18 Start: 12617, Stop: 15178, Start Num: 61

Candidate Starts for Huntingdon_18:

(55, 12596), (Start: 61 @12617 has 156 MA's), (79, 12707), (88, 12746), (95, 12782), (114, 12842), (128, 12905), (168, 13073), (178, 13118), (188, 13166), (189, 13169), (190, 13172), (218, 13256), (219, 13259), (249, 13397), (270, 13463), (281, 13490), (296, 13532), (390, 13841), (399, 13874), (418, 13934), (426, 13958), (452, 14039), (453, 14045), (454, 14048), (463, 14072), (472, 14102), (479, 14123), (492, 14171), (497, 14186), (501, 14201), (509, 14225), (513, 14237), (515, 14243), (519, 14258), (521, 14264), (533, 14303), (535, 14309), (537, 14318), (543, 14336), (546, 14342), (551, 14354), (552, 14357), (555, 14366), (561, 14384), (568, 14408), (569, 14411), (572, 14423), (578, 14441), (603, 14507), (607, 14522), (640, 14552), (642, 14561), (656, 14621), (672, 14672), (692, 14708), (724, 14804), (725, 14807), (739, 14861), (745, 14900), (753, 14927), (759, 14957), (765, 14981), (780, 15023), (789, 15050), (814, 15119),

Gene: IUFootball_15 Start: 9206, Stop: 11569, Start Num: 61

Candidate Starts for IUFootball_15:

(Start: 61 @9206 has 156 MA's), (112, 9395), (127, 9461), (145, 9536), (158, 9602), (178, 9677), (179, 9680), (180, 9683), (203, 9770), (206, 9779), (217, 9821), (250, 9968), (255, 9986), (292, 10061), (302, 10094), (321, 10127), (392, 10268), (444, 10391), (446, 10400), (463, 10439), (468, 10457), (473, 10472), (490, 10532), (492, 10538), (494, 10544), (498, 10556), (499, 10559), (516, 10613), (519, 10625), (523, 10637), (528, 10652), (552, 10724), (558, 10742), (561, 10751), (565, 10766), (569, 10778), (574, 10796), (578, 10808), (669, 11030), (724, 11171), (725, 11174), (734, 11207), (738, 11222), (739, 11228), (745, 11267), (759, 11324), (769, 11366), (787, 11414),

Gene: Immaculata_18 Start: 12618, Stop: 15179, Start Num: 61

Candidate Starts for Immaculata_18:

(55, 12597), (Start: 61 @12618 has 156 MA's), (70, 12666), (76, 12699), (88, 12747), (93, 12771), (95, 12783), (114, 12843), (126, 12891), (128, 12906), (129, 12912), (156, 13032), (168, 13074), (188, 13167), (189, 13170), (190, 13173), (201, 13203), (218, 13257), (249, 13398), (255, 13419), (262, 13443), (270, 13464), (274, 13473), (294, 13524), (300, 13542), (306, 13566), (356, 13728), (399, 13872), (408, 13905), (418, 13932), (424, 13950), (426, 13956), (434, 13980), (437, 13989), (452, 14037), (461, 14064), (468, 14088), (470, 14094), (472, 14100), (486, 14151), (491, 14166), (495, 14178), (497, 14184), (498, 14187), (500, 14196), (509, 14223), (513, 14235), (516, 14244), (519, 14256), (521, 14262), (528, 14283), (537, 14316), (552, 14355), (568, 14406), (569, 14409), (571, 14418), (572, 14421), (577, 14436), (607, 14520), (608, 14526), (643, 14562), (672, 14670), (674, 14682), (692, 14706), (724, 14802), (725, 14805), (739, 14859), (745, 14898), (757, 14946), (759, 14955), (765, 14979), (772, 14997), (789, 15048), (797, 15072), (802, 15090), (814, 15120),

Gene: IndiRoo_19 Start: 11519, Stop: 13810, Start Num: 67

Candidate Starts for IndiRoo_19:

(Start: 67 @11519 has 19 MA's), (101, 11636), (111, 11669), (145, 11810), (162, 11888), (170, 11912), (203, 12044), (217, 12095), (228, 12146), (251, 12245), (274, 12284), (305, 12332), (322, 12362), (364, 12446), (390, 12494), (394, 12512), (415, 12563), (437, 12629), (464, 12716), (483, 12782), (488, 12797), (494, 12815), (500, 12836), (511, 12869), (571, 13058), (578, 13079), (582, 13091), (584, 13100), (606, 13157), (640, 13190), (645, 13211), (665, 13289), (669, 13301), (677, 13331), (707, 13358), (724, 13442), (727, 13454), (733, 13475), (734, 13478), (759, 13592), (775, 13643), (781, 13658),

Gene: Iter_16 Start: 10739, Stop: 13054, Start Num: 61

Candidate Starts for Iter_16:

(Start: 61 @10739 has 156 MA's), (97, 10895), (104, 10913), (111, 10937), (122, 10985), (137, 11045), (146, 11090), (162, 11162), (182, 11246), (187, 11276), (206, 11330), (215, 11360), (228, 11417), (234, 11441), (247, 11501), (249, 11507), (344, 11726), (446, 11894), (462, 11942), (494, 12038), (506, 12077), (512, 12095), (525, 12137), (532, 12161), (552, 12218), (556, 12230), (597, 12341), (638, 12401), (642, 12416), (672, 12527), (721, 12638), (724, 12659), (725, 12662), (734, 12695), (750, 12773), (759, 12812), (789, 12902), (793, 12914), (825, 12998),

Gene: IttyBittyPiggy_16 Start: 10723, Stop: 13035, Start Num: 61

Candidate Starts for IttyBittyPiggy_16:

(Start: 61 @10723 has 156 MA's), (97, 10879), (106, 10903), (122, 10969), (124, 10981), (137, 11029), (162, 11146), (181, 11227), (182, 11230), (187, 11260), (215, 11344), (228, 11401), (234, 11425), (247, 11485), (249, 11491), (433, 11839), (446, 11878), (462, 11926), (481, 11980), (494, 12022), (506, 12061), (525, 12121), (556, 12214), (635, 12370), (637, 12382), (640, 12391), (672, 12511), (724, 12643), (725, 12646), (750, 12757), (759, 12796), (765, 12820), (777, 12856), (784, 12871), (821, 12970),

Gene: Janeemi_17 Start: 11821, Stop: 14298, Start Num: 61

Candidate Starts for Janeemi_17:

(Start: 61 @11821 has 156 MA's), (97, 11977), (101, 11986), (162, 12244), (187, 12358), (190, 12367), (206, 12412), (228, 12499), (234, 12523), (247, 12583), (249, 12589), (256, 12613), (288, 12691), (294, 12724), (331, 12859), (344, 12901), (422, 13072), (438, 13111), (446, 13138), (462, 13186), (494, 13282), (506, 13321), (512, 13339), (516, 13351), (525, 13381), (552, 13462), (609, 13597), (638, 13645), (642, 13660), (666, 13753), (672, 13771), (674, 13783), (724, 13903), (725, 13906), (750, 14017), (759, 14056), (783, 14131), (789, 14146),

Gene: JasmineDragon_15 Start: 8971, Stop: 11214, Start Num: 61

Candidate Starts for JasmineDragon_15:

(Start: 61 @8971 has 156 MA's), (80, 9058), (112, 9160), (127, 9226), (151, 9331), (178, 9442), (180, 9448), (206, 9544), (217, 9586), (250, 9733), (255, 9751), (332, 9868), (342, 9895), (364, 9928), (409, 9964), (425, 10012), (439, 10051), (451, 10090), (470, 10138), (473, 10147), (476, 10156), (479, 10165), (490, 10207), (501, 10243), (505, 10255), (519, 10300), (521, 10306), (529, 10330), (539, 10366), (546, 10384), (555, 10408), (558, 10417), (562, 10429), (568, 10450), (569, 10453), (578, 10483), (675, 10729), (724, 10846), (745, 10942), (748, 10948), (755, 10978),

Gene: Jayden_37 Start: 20588, Stop: 23455, Start Num: 60

Candidate Starts for Jayden_37:

(Start: 60 @20588 has 54 MA's), (65, 20612), (104, 20768), (141, 20921), (180, 21092), (188, 21137), (192, 21155), (202, 21191), (242, 21374), (278, 21476), (284, 21494), (300, 21539), (313, 21590), (339, 21677), (341, 21680), (345, 21695), (353, 21719), (363, 21755), (369, 21776), (397, 21869), (421, 21944), (448, 22034), (464, 22082), (502, 22205), (515, 22244), (526, 22280), (529, 22289), (537, 22319), (539, 22325), (562, 22391), (580, 22451), (593, 22481), (602, 22508), (611, 22541), (614, 22553), (635, 22622), (645, 22664), (654, 22706), (671, 22757), (687, 22838), (695, 22865), (698, 22886), (706, 22949), (707, 22952), (712, 22973), (723, 23030), (747, 23132), (753, 23156), (759, 23186), (765, 23210), (831, 23411), (838, 23441), (839, 23444),

Gene: Jefe_36 Start: 20583, Stop: 23450, Start Num: 60

Candidate Starts for Jefe_36:

(Start: 60 @20583 has 54 MA's), (65, 20607), (141, 20916), (188, 21132), (202, 21186), (207, 21207), (215, 21237), (242, 21369), (248, 21390), (272, 21456), (278, 21471), (300, 21534), (313, 21585), (316, 21597), (333, 21648), (339, 21672), (341, 21675), (345, 21690), (353, 21714), (363, 21750), (369, 21771), (397, 21864), (402, 21882), (405, 21891), (421, 21939), (448, 22029), (457, 22056), (526, 22275), (529, 22284), (531, 22290), (550, 22350), (555, 22365), (560, 22380), (580, 22446), (593, 22476), (597, 22485), (611, 22536), (635, 22617), (645, 22659), (649, 22677), (654, 22701), (671, 22752), (687, 22833), (696, 22866), (698, 22881), (706, 22944), (707, 22947), (712, 22968), (714, 22977), (722, 23013), (729, 23052), (747, 23127), (753, 23151), (759, 23181), (765, 23205), (811, 23355), (812, 23358),

Gene: Jera_20 Start: 12587, Stop: 14575, Start Num: 67

Candidate Starts for Jera_20:

(Start: 67 @12587 has 19 MA's), (76, 12626), (111, 12737), (117, 12752), (120, 12764), (162, 12956), (170, 12980), (217, 13163), (230, 13229), (254, 13325), (268, 13349), (325, 13436), (378, 13538), (390, 13562), (415, 13631), (425, 13664), (447, 13697), (504, 13829), (566, 13889), (597, 13940), (641, 14009), (644, 14021), (645, 14027), (740, 14282), (754, 14348), (768, 14408), (822, 14549),

Gene: Joann_18 Start: 12611, Stop: 15172, Start Num: 61

Candidate Starts for Joann_18:

(55, 12590), (Start: 61 @12611 has 156 MA's), (79, 12701), (88, 12740), (95, 12776), (114, 12836), (126, 12884), (128, 12899), (168, 13067), (178, 13112), (189, 13163), (190, 13166), (218, 13250), (270, 13457), (274, 13466), (281, 13484), (296, 13526), (390, 13835), (399, 13868), (418, 13928),

(426, 13952), (452, 14033), (453, 14039), (454, 14042), (463, 14066), (472, 14096), (479, 14117), (497, 14180), (501, 14195), (509, 14219), (513, 14231), (515, 14237), (519, 14252), (521, 14258), (522, 14261), (529, 14282), (533, 14297), (537, 14312), (543, 14330), (546, 14336), (552, 14351), (555, 14360), (558, 14369), (568, 14402), (569, 14405), (572, 14417), (574, 14423), (578, 14435), (603, 14501), (607, 14516), (656, 14615), (672, 14666), (674, 14678), (689, 14699), (724, 14798), (725, 14801), (739, 14855), (745, 14894), (759, 14951), (765, 14975), (780, 15017), (789, 15044), (814, 15113),

Gene: Joemato_16 Start: 10730, Stop: 13045, Start Num: 61

Candidate Starts for Joemato_16:

(Start: 61 @10730 has 156 MA's), (97, 10886), (101, 10895), (122, 10976), (124, 10988), (137, 11036), (162, 11153), (181, 11234), (182, 11237), (187, 11267), (206, 11321), (215, 11351), (228, 11408), (234, 11432), (247, 11492), (344, 11717), (421, 11813), (446, 11885), (462, 11933), (481, 11987), (494, 12029), (506, 12068), (525, 12128), (642, 12407), (648, 12431), (655, 12464), (656, 12467), (672, 12518), (721, 12629), (724, 12650), (725, 12653), (734, 12686), (750, 12764), (756, 12785), (759, 12803), (777, 12863), (789, 12893), (809, 12944), (825, 12989), (837, 13034),

Gene: Johann_20 Start: 13490, Stop: 15478, Start Num: 67

Candidate Starts for Johann_20:

(40, 13391), (Start: 67 @13490 has 19 MA's), (111, 13640), (117, 13655), (120, 13667), (162, 13859), (170, 13883), (179, 13925), (203, 14015), (217, 14066), (230, 14132), (250, 14213), (254, 14228), (268, 14252), (325, 14339), (378, 14441), (390, 14465), (415, 14534), (425, 14567), (522, 14765), (566, 14792), (571, 14810), (603, 14864), (641, 14912), (644, 14924), (645, 14930), (660, 14996), (665, 15008), (666, 15011), (740, 15185), (745, 15221), (754, 15251), (768, 15311), (822, 15452),

Gene: JohnDoe_16 Start: 10725, Stop: 13040, Start Num: 61

Candidate Starts for JohnDoe_16:

(Start: 61 @10725 has 156 MA's), (97, 10881), (101, 10890), (122, 10971), (124, 10983), (137, 11031), (162, 11148), (181, 11229), (182, 11232), (187, 11262), (206, 11316), (215, 11346), (228, 11403), (234, 11427), (247, 11487), (344, 11712), (421, 11808), (446, 11880), (462, 11928), (481, 11982), (494, 12024), (506, 12063), (525, 12123), (642, 12402), (648, 12426), (655, 12459), (656, 12462), (672, 12513), (721, 12624), (724, 12645), (725, 12648), (734, 12681), (750, 12759), (759, 12798), (777, 12858), (789, 12888), (809, 12939), (825, 12984), (837, 13029),

Gene: JohnThicc_15 Start: 8974, Stop: 11217, Start Num: 61

Candidate Starts for JohnThicc_15:

(Start: 61 @8974 has 156 MA's), (80, 9061), (112, 9163), (127, 9229), (151, 9334), (178, 9445), (180, 9451), (206, 9547), (217, 9589), (250, 9736), (255, 9754), (328, 9856), (425, 10012), (451, 10090), (470, 10138), (473, 10147), (479, 10165), (490, 10207), (493, 10216), (501, 10243), (511, 10273), (521, 10306), (555, 10408), (558, 10417), (562, 10429), (568, 10450), (569, 10453), (578, 10483), (639, 10591), (724, 10846), (727, 10858), (745, 10942), (748, 10948), (755, 10978),

Gene: Jollipop_36 Start: 20928, Stop: 23795, Start Num: 60

Candidate Starts for Jollipop_36:

(Start: 60 @20928 has 54 MA's), (65, 20952), (141, 21261), (188, 21477), (202, 21531), (207, 21552), (215, 21582), (242, 21714), (248, 21735), (272, 21801), (278, 21816), (300, 21879), (313, 21930), (316, 21942), (333, 21993), (339, 22017), (341, 22020), (345, 22035), (353, 22059), (363, 22095), (369, 22116), (397, 22209), (402, 22227), (406, 22239), (421, 22284), (448, 22374), (457, 22401), (502, 22545), (515, 22584), (522, 22608), (526, 22620), (529, 22629), (540, 22668), (543, 22677), (551, 22698), (567, 22749), (575, 22776), (581, 22794), (602, 22848), (604, 22857), (609, 22875), (611, 22881), (614, 22893), (633, 22953), (635, 22962), (645, 23004), (649, 23022), (653, 23040), (654, 23046), (671, 23097), (687, 23178), (696, 23211), (698, 23226), (706, 23289), (707, 23292), (712, 23313), (714, 23322), (722, 23358), (729, 23397), (747, 23472), (759, 23526), (765, 23550),

(811, 23700), (812, 23703),

Gene: JrWilcox_69 Start: 33279, Stop: 35780, Start Num: 54

Candidate Starts for JrWilcox_69:

(54, 33279), (87, 33426), (98, 33459), (107, 33483), (121, 33540), (125, 33558), (132, 33582), (142, 33615), (155, 33669), (176, 33750), (183, 33777), (191, 33819), (216, 33882), (265, 34071), (267, 34074), (276, 34092), (318, 34212), (320, 34221), (325, 34233), (381, 34326), (385, 34335), (398, 34347), (399, 34350), (409, 34368), (441, 34458), (488, 34578), (498, 34611), (506, 34638), (508, 34644), (518, 34677), (537, 34740), (541, 34752), (555, 34788), (558, 34797), (565, 34821), (583, 34878), (597, 34908), (603, 34929), (620, 34998), (623, 35007), (632, 35073), (665, 35205), (669, 35217), (706, 35271), (707, 35274), (724, 35358), (734, 35394), (747, 35454), (748, 35457), (762, 35517), (766, 35535), (776, 35565), (795, 35625), (823, 35709), (840, 35769), (841, 35775),

Gene: Jstan_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for Jstan_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325), (228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (433, 11820), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837), (809, 12927),

Gene: Jumboset_18 Start: 12567, Stop: 15128, Start Num: 61

Candidate Starts for Jumboset_18:

(55, 12546), (Start: 61 @12567 has 156 MA's), (70, 12615), (76, 12648), (88, 12696), (93, 12720), (95, 12732), (114, 12792), (126, 12840), (128, 12855), (129, 12861), (156, 12981), (168, 13023), (189, 13119), (190, 13122), (201, 13152), (218, 13206), (219, 13209), (249, 13347), (255, 13368), (262, 13392), (270, 13413), (274, 13422), (294, 13473), (300, 13491), (356, 13677), (399, 13821), (408, 13854), (418, 13881), (424, 13899), (426, 13905), (434, 13929), (437, 13938), (452, 13986), (461, 14013), (462, 14016), (468, 14037), (470, 14043), (472, 14049), (486, 14100), (491, 14115), (495, 14127), (497, 14133), (498, 14136), (500, 14145), (509, 14172), (513, 14184), (516, 14193), (519, 14205), (521, 14211), (528, 14232), (537, 14265), (552, 14304), (568, 14355), (569, 14358), (571, 14367), (572, 14370), (577, 14385), (608, 14475), (643, 14511), (672, 14619), (692, 14655), (724, 14751), (725, 14754), (739, 14808), (745, 14847), (757, 14895), (759, 14904), (765, 14928), (772, 14946), (789, 14997), (797, 15021), (802, 15039), (814, 15069),

Gene: JuneStar_16 Start: 10824, Stop: 13148, Start Num: 61

Candidate Starts for JuneStar_16:

(Start: 61 @10824 has 156 MA's), (104, 10998), (111, 11022), (122, 11070), (137, 11130), (158, 11235), (162, 11247), (181, 11328), (182, 11331), (187, 11361), (206, 11415), (215, 11445), (225, 11487), (228, 11502), (234, 11526), (240, 11556), (247, 11586), (249, 11592), (344, 11811), (433, 11940), (446, 11979), (462, 12027), (468, 12048), (481, 12081), (494, 12123), (506, 12162), (525, 12222), (556, 12315), (579, 12384), (672, 12612), (721, 12723), (724, 12744), (725, 12747), (750, 12858), (759, 12897),

Gene: KaiHaiDragon_36 Start: 20522, Stop: 23389, Start Num: 60

Candidate Starts for KaiHaiDragon_36:

(Start: 60 @20522 has 54 MA's), (65, 20546), (141, 20855), (188, 21071), (202, 21125), (207, 21146), (215, 21176), (242, 21308), (248, 21329), (272, 21395), (278, 21410), (300, 21473), (313, 21524), (316, 21536), (333, 21587), (339, 21611), (341, 21614), (345, 21629), (353, 21653), (363, 21689), (369, 21710), (397, 21803), (406, 21833), (421, 21878), (448, 21968), (502, 22139), (515, 22178), (522, 22202), (526, 22214), (529, 22223), (540, 22262), (543, 22271), (551, 22292), (567, 22343), (575, 22370), (581, 22388), (602, 22442), (604, 22451), (609, 22469), (611, 22475), (614, 22487),

(633, 22547), (635, 22556), (645, 22598), (649, 22616), (653, 22634), (654, 22640), (671, 22691), (687, 22772), (696, 22805), (698, 22820), (706, 22883), (707, 22886), (712, 22907), (714, 22916), (722, 22952), (729, 22991), (747, 23066), (753, 23090), (759, 23120), (765, 23144), (811, 23294), (812, 23297),

Gene: Kalimba_16 Start: 10244, Stop: 12664, Start Num: 61

Candidate Starts for Kalimba_16:

(Start: 61 @10244 has 156 MA's), (80, 10331), (97, 10388), (113, 10436), (117, 10448), (128, 10508), (152, 10619), (174, 10700), (205, 10826), (210, 10841), (223, 10895), (269, 11069), (299, 11153), (304, 11174), (315, 11195), (324, 11216), (342, 11267), (383, 11342), (400, 11363), (416, 11396), (436, 11453), (450, 11495), (454, 11510), (471, 11561), (482, 11597), (515, 11705), (521, 11726), (534, 11768), (537, 11780), (558, 11834), (572, 11882), (622, 11978), (669, 12134), (674, 12155), (686, 12167), (713, 12218), (745, 12368), (755, 12404), (763, 12437), (821, 12596),

Gene: Kalizoi_18 Start: 12566, Stop: 15127, Start Num: 61

Candidate Starts for Kalizoi_18:

(55, 12545), (Start: 61 @12566 has 156 MA's), (70, 12614), (76, 12647), (88, 12695), (93, 12719), (95, 12731), (114, 12791), (126, 12839), (128, 12854), (129, 12860), (156, 12980), (168, 13022), (189, 13118), (190, 13121), (201, 13151), (218, 13205), (249, 13346), (255, 13367), (262, 13391), (270, 13412), (274, 13421), (294, 13472), (300, 13490), (356, 13676), (399, 13820), (408, 13853), (418, 13880), (424, 13898), (426, 13904), (434, 13928), (437, 13937), (452, 13985), (461, 14012), (462, 14015), (468, 14036), (472, 14048), (486, 14099), (491, 14114), (495, 14126), (498, 14135), (500, 14144), (509, 14171), (513, 14183), (516, 14192), (519, 14204), (521, 14210), (528, 14231), (535, 14255), (537, 14264), (552, 14303), (568, 14354), (569, 14357), (571, 14366), (572, 14369), (577, 14384), (608, 14474), (643, 14510), (672, 14618), (692, 14654), (724, 14750), (725, 14753), (739, 14807), (745, 14846), (757, 14894), (759, 14903), (765, 14927), (772, 14945), (789, 14996), (797, 15020), (802, 15038), (814, 15068),

Gene: Kaylissa_16 Start: 10731, Stop: 13046, Start Num: 61

Candidate Starts for Kaylissa_16:

(Start: 61 @10731 has 156 MA's), (97, 10887), (101, 10896), (122, 10977), (124, 10989), (137, 11037), (162, 11154), (181, 11235), (182, 11238), (187, 11268), (206, 11322), (215, 11352), (228, 11409), (234, 11433), (247, 11493), (344, 11718), (421, 11814), (446, 11886), (462, 11934), (481, 11988), (494, 12030), (506, 12069), (525, 12129), (642, 12408), (648, 12432), (655, 12465), (656, 12468), (672, 12519), (721, 12630), (724, 12651), (725, 12654), (734, 12687), (750, 12765), (756, 12786), (759, 12804), (777, 12864), (789, 12894), (809, 12945), (825, 12990), (837, 13035),

Gene: KeAlii_16 Start: 10771, Stop: 13071, Start Num: 61

Candidate Starts for KeAlii_16:

(Start: 61 @10771 has 156 MA's), (97, 10927), (101, 10936), (122, 11017), (137, 11077), (162, 11194), (175, 11245), (181, 11275), (182, 11278), (187, 11308), (206, 11362), (215, 11392), (223, 11425), (228, 11449), (234, 11473), (240, 11503), (247, 11533), (249, 11539), (256, 11563), (350, 11776), (421, 11857), (438, 11902), (446, 11929), (462, 11977), (494, 12073), (506, 12112), (509, 12121), (529, 12184), (530, 12187), (559, 12274), (571, 12310), (579, 12334), (642, 12451), (646, 12466), (662, 12532), (706, 12607), (726, 12703), (748, 12793), (755, 12823), (769, 12877), (777, 12898), (821, 13006),

Gene: Keiki_14 Start: 8514, Stop: 11279, Start Num: 62

Candidate Starts for Keiki_14:

(Start: 62 @8514 has 45 MA's), (66, 8541), (68, 8547), (70, 8559), (76, 8592), (79, 8601), (80, 8604), (90, 8649), (92, 8655), (95, 8661), (101, 8676), (102, 8679), (116, 8727), (123, 8757), (128, 8784), (130, 8793), (139, 8826), (143, 8847), (147, 8868), (153, 8898), (156, 8913), (160, 8931), (164, 8940), (166, 8943), (170, 8961), (181, 9015), (182, 9018), (185, 9033), (187, 9048), (188, 9051), (191, 9063),

(197, 9078), (200, 9090), (209, 9123), (212, 9132), (213, 9135), (222, 9177), (224, 9189), (234, 9234), (243, 9279), (249, 9300), (255, 9321), (266, 9354), (271, 9363), (285, 9399), (290, 9411), (293, 9429), (295, 9438), (299, 9450), (301, 9462), (305, 9474), (307, 9483), (313, 9504), (314, 9510), (318, 9525), (319, 9531), (323, 9540), (330, 9561), (337, 9585), (346, 9615), (348, 9621), (350, 9627), (360, 9657), (368, 9687), (371, 9699), (377, 9720), (386, 9741), (393, 9774), (394, 9777), (397, 9786), (403, 9807), (407, 9819), (420, 9858), (423, 9870), (426, 9879), (433, 9900), (437, 9912), (442, 9927), (446, 9942), (461, 9987), (467, 10008), (468, 10011), (469, 10014), (471, 10020), (473, 10026), (481, 10053), (486, 10074), (488, 10080), (491, 10086), (492, 10089), (495, 10098), (496, 10101), (499, 10110), (502, 10122), (506, 10134), (515, 10161), (521, 10182), (523, 10188), (526, 10197), (528, 10203), (529, 10206), (530, 10209), (535, 10227), (536, 10230), (537, 10236), (538, 10239), (548, 10263), (554, 10281), (582, 10371), (587, 10383), (592, 10392), (597, 10401), (601, 10416), (620, 10491), (624, 10503), (635, 10545), (646, 10590), (651, 10611), (652, 10620), (659, 10653), (669, 10680), (679, 10722), (680, 10731), (688, 10743), (691, 10755), (693, 10764), (703, 10785), (711, 10818), (714, 10830), (715, 10833), (719, 10851), (720, 10854), (721, 10863), (725, 10887), (728, 10899), (730, 10908), (733, 10917), (741, 10950), (742, 10953), (744, 10977), (755, 11016), (762, 11046), (764, 11052), (765, 11061), (767, 11070), (780, 11112), (784, 11124), (794, 11160), (799, 11178), (801, 11181), (804, 11187), (825, 11256), (830, 11265), (832, 11274),

Gene: KingBob_14 Start: 9744, Stop: 12302, Start Num: 61

Candidate Starts for KingBob_14:

(Start: 61 @9744 has 156 MA's), (64, 9753), (69, 9783), (88, 9873), (95, 9909), (126, 10017), (128, 10032), (168, 10200), (189, 10296), (262, 10569), (270, 10590), (282, 10620), (294, 10650), (317, 10737), (357, 10860), (380, 10935), (399, 10998), (408, 11031), (416, 11052), (418, 11058), (424, 11076), (426, 11082), (434, 11106), (447, 11148), (452, 11163), (453, 11169), (463, 11196), (479, 11247), (487, 11280), (490, 11289), (497, 11310), (500, 11322), (509, 11349), (513, 11361), (516, 11370), (519, 11382), (521, 11388), (522, 11391), (529, 11412), (537, 11442), (543, 11460), (552, 11481), (555, 11490), (558, 11499), (568, 11532), (569, 11535), (572, 11547), (577, 11562), (607, 11646), (608, 11652), (643, 11688), (656, 11745), (657, 11754), (672, 11796), (710, 11853), (724, 11928), (725, 11931), (733, 11961), (739, 11985), (750, 12042), (757, 12072), (759, 12081), (765, 12105), (768, 12117), (814, 12243),

Gene: Kittykat_14 Start: 9756, Stop: 12314, Start Num: 61

Candidate Starts for Kittykat_14:

(55, 9735), (Start: 61 @9756 has 156 MA's), (70, 9804), (88, 9885), (114, 9981), (124, 10026), (128, 10044), (129, 10050), (161, 10191), (168, 10212), (178, 10257), (189, 10308), (190, 10311), (201, 10341), (218, 10395), (245, 10524), (270, 10602), (274, 10611), (277, 10617), (281, 10629), (294, 10662), (305, 10704), (317, 10749), (356, 10869), (357, 10872), (380, 10947), (399, 11010), (418, 11070), (424, 11088), (426, 11094), (430, 11106), (436, 11124), (452, 11175), (453, 11181), (462, 11205), (467, 11223), (472, 11238), (475, 11247), (487, 11292), (490, 11301), (497, 11322), (500, 11334), (501, 11337), (508, 11358), (509, 11361), (511, 11367), (513, 11373), (519, 11394), (521, 11400), (528, 11421), (535, 11445), (537, 11454), (541, 11466), (543, 11472), (552, 11493), (568, 11544), (569, 11547), (571, 11556), (572, 11559), (608, 11664), (636, 11676), (642, 11697), (657, 11766), (672, 11808), (674, 11820), (675, 11823), (689, 11841), (692, 11844), (724, 11940), (725, 11943), (739, 11997), (745, 12036), (750, 12054), (757, 12084), (759, 12093), (772, 12135), (814, 12255),

Gene: Korra_19 Start: 12572, Stop: 15133, Start Num: 61

Candidate Starts for Korra_19:

(55, 12551), (Start: 61 @12572 has 156 MA's), (70, 12620), (76, 12653), (88, 12701), (93, 12725), (95, 12737), (114, 12797), (126, 12845), (128, 12860), (129, 12866), (156, 12986), (168, 13028), (189, 13124), (190, 13127), (201, 13157), (218, 13211), (249, 13352), (255, 13373), (262, 13397), (270, 13418), (274, 13427), (294, 13478), (300, 13496), (356, 13682), (399, 13826), (408, 13859), (418, 13886), (424, 13904), (426, 13910), (434, 13934), (437, 13943), (452, 13991), (461, 14018), (462,

14021), (468, 14042), (472, 14054), (486, 14105), (491, 14120), (495, 14132), (498, 14141), (500, 14150), (509, 14177), (513, 14189), (516, 14198), (519, 14210), (521, 14216), (528, 14237), (535, 14261), (537, 14270), (552, 14309), (568, 14360), (569, 14363), (571, 14372), (572, 14375), (577, 14390), (608, 14480), (643, 14516), (672, 14624), (692, 14660), (724, 14756), (725, 14759), (739, 14813), (745, 14852), (757, 14900), (759, 14909), (765, 14933), (772, 14951), (789, 15002), (797, 15026), (814, 15074),

Gene: Kowalski_35 Start: 20638, Stop: 23505, Start Num: 60

Candidate Starts for Kowalski_35:

(Start: 60 @20638 has 54 MA's), (65, 20662), (141, 20971), (188, 21187), (202, 21241), (207, 21262), (215, 21292), (242, 21424), (248, 21445), (272, 21511), (278, 21526), (300, 21589), (313, 21640), (316, 21652), (333, 21703), (339, 21727), (341, 21730), (345, 21745), (353, 21769), (363, 21805), (369, 21826), (397, 21919), (402, 21937), (406, 21949), (421, 21994), (448, 22084), (457, 22111), (502, 22255), (515, 22294), (522, 22318), (526, 22330), (529, 22339), (540, 22378), (543, 22387), (551, 22408), (567, 22459), (575, 22486), (581, 22504), (602, 22558), (604, 22567), (609, 22585), (611, 22591), (614, 22603), (633, 22663), (635, 22672), (645, 22714), (649, 22732), (653, 22750), (654, 22756), (671, 22807), (687, 22888), (696, 22921), (698, 22936), (706, 22999), (707, 23002), (712, 23023), (714, 23032), (722, 23068), (729, 23107), (747, 23182), (753, 23206), (759, 23236), (765, 23260), (780, 23311), (811, 23410), (812, 23413),

Gene: Kozi_32 Start: 20311, Stop: 23169, Start Num: 60

Candidate Starts for Kozi_32:

(Start: 60 @20311 has 54 MA's), (65, 20338), (119, 20548), (140, 20647), (149, 20698), (202, 20923), (242, 21106), (278, 21208), (300, 21271), (313, 21322), (321, 21349), (331, 21379), (333, 21385), (339, 21409), (345, 21427), (354, 21454), (363, 21487), (369, 21508), (397, 21601), (448, 21766), (457, 21793), (464, 21814), (474, 21844), (502, 21937), (521, 21997), (525, 22009), (526, 22012), (537, 22051), (562, 22123), (564, 22132), (580, 22183), (589, 22207), (602, 22240), (609, 22267), (611, 22273), (633, 22345), (636, 22363), (645, 22396), (649, 22414), (652, 22429), (654, 22438), (669, 22486), (687, 22570), (698, 22618), (705, 22678), (706, 22681), (707, 22684), (712, 22705), (753, 22888), (759, 22918), (763, 22930), (769, 22954), (776, 22975), (792, 23011), (817, 23086), (831, 23125), (838, 23155), (839, 23158),

Gene: Kubed_14 Start: 8509, Stop: 11274, Start Num: 62

Candidate Starts for Kubed_14:

(Start: 62 @8509 has 45 MA's), (66, 8536), (68, 8542), (70, 8554), (72, 8563), (76, 8587), (80, 8599), (87, 8629), (90, 8644), (92, 8650), (101, 8671), (102, 8674), (116, 8722), (123, 8752), (128, 8779), (130, 8788), (139, 8821), (143, 8842), (147, 8863), (153, 8893), (156, 8908), (160, 8926), (164, 8935), (166, 8938), (170, 8956), (182, 9013), (185, 9028), (187, 9043), (188, 9046), (191, 9058), (193, 9067), (197, 9073), (198, 9076), (200, 9085), (209, 9118), (212, 9127), (213, 9130), (222, 9172), (224, 9184), (234, 9229), (243, 9274), (246, 9286), (249, 9295), (255, 9316), (257, 9325), (261, 9337), (266, 9349), (271, 9358), (276, 9370), (283, 9391), (285, 9394), (290, 9406), (293, 9424), (295, 9433), (296, 9436), (299, 9445), (301, 9457), (305, 9469), (307, 9478), (313, 9499), (318, 9520), (319, 9526), (323, 9535), (330, 9556), (334, 9568), (337, 9580), (350, 9622), (354, 9634), (360, 9652), (368, 9682), (377, 9715), (380, 9724), (386, 9736), (393, 9769), (394, 9772), (399, 9787), (403, 9802), (407, 9814), (412, 9832), (416, 9841), (421, 9856), (423, 9865), (426, 9874), (433, 9895), (437, 9907), (442, 9922), (444, 9928), (446, 9937), (453, 9961), (462, 9985), (467, 10003), (468, 10006), (469, 10009), (472, 10018), (473, 10021), (475, 10027), (476, 10030), (479, 10039), (480, 10042), (481, 10048), (486, 10069), (488, 10075), (491, 10081), (492, 10084), (495, 10093), (496, 10096), (498, 10102), (499, 10105), (506, 10129), (508, 10135), (509, 10138), (515, 10156), (521, 10177), (523, 10183), (526, 10192), (529, 10201), (530, 10204), (535, 10222), (536, 10225), (537, 10231), (550, 10264), (554, 10276), (558, 10288), (565, 10312), (574, 10342), (578, 10354), (582, 10366), (585, 10375), (587, 10378), (592, 10387), (600, 10408), (606, 10429), (608, 10438), (612, 10453), (646, 10585), (651, 10606), (652, 10615), (659, 10648), (676, 10702), (679, 10717), (680, 10726), (688, 10738), (691, 10750), (693,

10759), (694, 10762), (711, 10813), (714, 10825), (715, 10828), (720, 10849), (721, 10858), (725, 10882), (728, 10894), (733, 10912), (737, 10924), (741, 10945), (742, 10948), (744, 10972), (755, 11011), (762, 11041), (764, 11047), (765, 11056), (767, 11065), (780, 11107), (784, 11119), (794, 11155), (799, 11173), (801, 11176), (825, 11251), (830, 11260), (832, 11269),

Gene: Labella_21 Start: 13470, Stop: 15458, Start Num: 67

Candidate Starts for Labella_21:

(Start: 67 @13470 has 19 MA's), (76, 13509), (111, 13620), (117, 13635), (120, 13647), (162, 13839), (170, 13863), (179, 13905), (217, 14046), (230, 14112), (254, 14208), (325, 14319), (378, 14421), (390, 14445), (415, 14514), (425, 14547), (504, 14712), (522, 14745), (563, 14760), (566, 14772), (571, 14790), (644, 14904), (645, 14910), (740, 15165), (754, 15231), (768, 15291), (822, 15432),

Gene: LadyAstra_15 Start: 8974, Stop: 11217, Start Num: 61

Candidate Starts for LadyAstra_15:

(Start: 61 @8974 has 156 MA's), (80, 9061), (112, 9163), (127, 9229), (151, 9334), (178, 9445), (180, 9451), (206, 9547), (217, 9589), (250, 9736), (255, 9754), (328, 9856), (425, 10012), (451, 10090), (470, 10138), (473, 10147), (479, 10165), (490, 10207), (493, 10216), (501, 10243), (511, 10273), (521, 10306), (555, 10408), (558, 10417), (562, 10429), (568, 10450), (569, 10453), (578, 10483), (639, 10591), (724, 10846), (727, 10858), (745, 10942), (748, 10948), (755, 10978),

Gene: Lakshmi_18 Start: 12636, Stop: 15197, Start Num: 61

Candidate Starts for Lakshmi_18:

(55, 12615), (Start: 61 @12636 has 156 MA's), (79, 12726), (88, 12765), (95, 12801), (114, 12861), (126, 12909), (128, 12924), (168, 13092), (178, 13137), (189, 13188), (190, 13191), (218, 13275), (262, 13461), (277, 13497), (281, 13509), (296, 13551), (326, 13662), (390, 13860), (418, 13953), (426, 13977), (427, 13980), (452, 14058), (453, 14064), (463, 14091), (472, 14121), (490, 14184), (495, 14199), (498, 14208), (499, 14211), (501, 14220), (509, 14244), (513, 14256), (515, 14262), (519, 14277), (521, 14283), (522, 14286), (529, 14307), (533, 14322), (537, 14337), (543, 14355), (546, 14361), (552, 14376), (555, 14385), (558, 14394), (568, 14427), (569, 14430), (572, 14442), (574, 14448), (578, 14460), (603, 14526), (607, 14541), (640, 14571), (642, 14580), (672, 14691), (692, 14727), (710, 14748), (724, 14823), (725, 14826), (739, 14880), (742, 14895), (745, 14919), (759, 14976), (765, 15000), (780, 15042), (789, 15069), (814, 15138),

Gene: Laroye_67 Start: 36530, Stop: 39547, Start Num: 44

Candidate Starts for Laroye_67:

(Start: 44 @36530 has 7 MA's), (52, 36551), (58, 36581), (Start: 61 @36584 has 156 MA's), (83, 36689), (111, 36773), (114, 36782), (127, 36842), (176, 37052), (178, 37058), (179, 37061), (180, 37064), (203, 37151), (217, 37202), (226, 37244), (227, 37247), (244, 37331), (250, 37349), (326, 37499), (379, 37592), (382, 37601), (418, 37691), (449, 37787), (454, 37805), (458, 37817), (464, 37835), (465, 37838), (469, 37850), (476, 37871), (480, 37883), (494, 37934), (523, 38027), (551, 38114), (563, 38150), (566, 38162), (569, 38171), (578, 38201), (583, 38216), (586, 38225), (610, 38294), (645, 38333), (675, 38459), (720, 38534), (736, 38609), (741, 38630), (746, 38663), (749, 38666), (758, 38708), (761, 38720), (765, 38741), (784, 38795), (819, 38897), (838, 38960), (844, 39071), (846, 39104), (848, 39158), (849, 39167), (853, 39260), (854, 39269), (856, 39368), (857, 39374), (859, 39404), (860, 39443), (862, 39530),

Gene: Lasagna_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for Lasagna_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (156, 10131), (168, 10173), (189, 10269), (190, 10272), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491,

11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (600, 11595), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: LastNadiia_20 Start: 11846, Stop: 14134, Start Num: 57

Candidate Starts for LastNadiia_20:

(Start: 57 @11846 has 8 MA's), (150, 12206), (151, 12209), (178, 12320), (179, 12323), (180, 12326), (217, 12464), (250, 12611), (334, 12782), (349, 12830), (431, 12962), (462, 13046), (465, 13058), (473, 13082), (484, 13124), (490, 13142), (494, 13154), (518, 13232), (519, 13235), (528, 13262), (533, 13280), (536, 13289), (543, 13313), (549, 13328), (552, 13334), (556, 13346), (558, 13352), (569, 13388), (578, 13418), (603, 13484), (669, 13640), (674, 13661), (675, 13664), (724, 13781), (725, 13784), (734, 13817), (759, 13934), (765, 13958), (809, 14075),

Gene: Lauchelly_14 Start: 8512, Stop: 11277, Start Num: 62

Candidate Starts for Lauchelly_14:

(Start: 62 @8512 has 45 MA's), (66, 8539), (68, 8545), (70, 8557), (72, 8566), (79, 8599), (80, 8602), (90, 8647), (95, 8659), (101, 8674), (102, 8677), (116, 8725), (123, 8755), (128, 8782), (130, 8791), (139, 8824), (143, 8845), (147, 8866), (153, 8896), (160, 8929), (164, 8938), (166, 8941), (170, 8959), (182, 9016), (187, 9046), (188, 9049), (191, 9061), (197, 9076), (198, 9079), (200, 9088), (209, 9121), (212, 9130), (213, 9133), (222, 9175), (224, 9187), (234, 9232), (238, 9253), (243, 9277), (249, 9298), (255, 9319), (266, 9352), (271, 9361), (283, 9394), (285, 9397), (290, 9409), (293, 9427), (295, 9436), (299, 9448), (301, 9460), (305, 9472), (307, 9481), (313, 9502), (314, 9508), (318, 9523), (319, 9529), (323, 9538), (330, 9559), (346, 9613), (350, 9625), (353, 9634), (360, 9655), (368, 9685), (377, 9718), (380, 9727), (386, 9739), (393, 9772), (394, 9775), (397, 9784), (403, 9805), (407, 9817), (409, 9826), (416, 9844), (417, 9847), (421, 9859), (423, 9868), (426, 9877), (433, 9898), (437, 9910), (442, 9925), (444, 9931), (446, 9940), (453, 9964), (462, 9988), (467, 10006), (473, 10024), (475, 10030), (476, 10033), (481, 10051), (486, 10072), (488, 10078), (491, 10084), (495, 10096), (496, 10099), (498, 10105), (502, 10120), (506, 10132), (518, 10171), (519, 10174), (523, 10186), (526, 10195), (528, 10201), (535, 10225), (537, 10234), (538, 10237), (547, 10258), (548, 10261), (554, 10279), (562, 10303), (565, 10315), (582, 10369), (587, 10381), (592, 10390), (597, 10399), (620, 10489), (624, 10501), (635, 10543), (646, 10588), (651, 10609), (652, 10618), (659, 10651), (669, 10678), (679, 10720), (680, 10729), (688, 10741), (691, 10753), (693, 10762), (711, 10816), (713, 10825), (715, 10831), (719, 10849), (720, 10852), (725, 10885), (730, 10906), (733, 10915), (741, 10948), (742, 10951), (744, 10975), (755, 11014), (762, 11044), (764, 11050), (765, 11059), (767, 11068), (780, 11110), (784, 11122), (794, 11158), (799, 11176), (801, 11179), (825, 11254), (832, 11272),

Gene: Lego_16 Start: 10730, Stop: 13045, Start Num: 61

Candidate Starts for Lego_16:

(Start: 61 @10730 has 156 MA's), (97, 10886), (101, 10895), (122, 10976), (124, 10988), (137, 11036), (138, 11039), (146, 11081), (162, 11153), (181, 11234), (182, 11237), (187, 11267), (206, 11321), (215, 11351), (228, 11408), (234, 11432), (247, 11492), (344, 11717), (421, 11813), (444, 11876), (446, 11885), (462, 11933), (464, 11942), (468, 11954), (481, 11987), (494, 12029), (506, 12068), (525, 12128), (572, 12269), (609, 12344), (623, 12356), (640, 12398), (642, 12407), (648, 12431), (672, 12518), (721, 12629), (724, 12650), (725, 12653), (734, 12686), (750, 12764), (759, 12803), (777, 12863), (789, 12893), (809, 12944), (825, 12989), (837, 13034),

Gene: Lennox_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for Lennox_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (168, 10173), (189, 10269), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375,

10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491, 11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: Leviosa_14 Start: 8531, Stop: 11296, Start Num: 62

Candidate Starts for Leviosa_14:

(Start: 62 @8531 has 45 MA's), (66, 8558), (68, 8564), (70, 8576), (72, 8585), (80, 8621), (87, 8651), (90, 8666), (92, 8672), (101, 8693), (102, 8696), (116, 8744), (123, 8774), (130, 8810), (139, 8843), (143, 8864), (153, 8915), (156, 8930), (160, 8948), (164, 8957), (166, 8960), (170, 8978), (182, 9035), (185, 9050), (187, 9065), (188, 9068), (191, 9080), (199, 9104), (209, 9140), (212, 9149), (213, 9152), (222, 9194), (224, 9206), (234, 9251), (243, 9296), (249, 9317), (255, 9338), (266, 9371), (271, 9380), (276, 9392), (283, 9413), (285, 9416), (290, 9428), (293, 9446), (295, 9455), (299, 9467), (301, 9479), (305, 9491), (307, 9500), (314, 9527), (318, 9542), (319, 9548), (323, 9557), (330, 9578), (337, 9602), (346, 9632), (348, 9638), (350, 9644), (353, 9653), (360, 9674), (368, 9704), (377, 9737), (380, 9746), (386, 9758), (394, 9794), (397, 9803), (407, 9836), (416, 9863), (421, 9878), (423, 9887), (426, 9896), (433, 9917), (434, 9920), (437, 9929), (442, 9944), (444, 9950), (446, 9959), (462, 10007), (467, 10025), (473, 10043), (475, 10049), (476, 10052), (479, 10061), (480, 10064), (481, 10070), (486, 10091), (488, 10097), (492, 10106), (495, 10115), (496, 10118), (498, 10124), (502, 10139), (505, 10148), (506, 10151), (509, 10160), (515, 10178), (523, 10205), (526, 10214), (528, 10220), (530, 10226), (535, 10244), (537, 10253), (547, 10277), (554, 10298), (565, 10334), (582, 10388), (585, 10397), (587, 10400), (592, 10409), (597, 10418), (620, 10508), (624, 10520), (635, 10562), (646, 10607), (650, 10625), (651, 10628), (652, 10637), (659, 10670), (679, 10739), (680, 10748), (688, 10760), (693, 10781), (711, 10835), (714, 10847), (715, 10850), (719, 10868), (721, 10880), (725, 10904), (727, 10913), (728, 10916), (730, 10925), (733, 10934), (737, 10946), (741, 10967), (742, 10970), (744, 10994), (751, 11021), (762, 11063), (764, 11069), (765, 11078), (774, 11111), (780, 11129), (794, 11177), (799, 11195), (801, 11198), (804, 11204), (825, 11273), (830, 11282),

Gene: LiSara_64 Start: 36692, Stop: 39709, Start Num: 44

Candidate Starts for LiSara_64:

(Start: 44 @36692 has 7 MA's), (52, 36713), (58, 36743), (Start: 61 @36746 has 156 MA's), (83, 36851), (111, 36935), (114, 36944), (127, 37004), (176, 37214), (178, 37220), (179, 37223), (180, 37226), (203, 37313), (217, 37364), (226, 37406), (227, 37409), (244, 37493), (250, 37511), (326, 37661), (379, 37754), (382, 37763), (418, 37853), (449, 37949), (458, 37979), (464, 37997), (465, 38000), (469, 38012), (476, 38033), (480, 38045), (494, 38096), (523, 38189), (551, 38276), (563, 38312), (566, 38324), (569, 38333), (578, 38363), (583, 38378), (586, 38387), (610, 38456), (645, 38495), (675, 38621), (720, 38696), (736, 38771), (741, 38792), (746, 38825), (749, 38828), (758, 38870), (761, 38882), (765, 38903), (784, 38957), (819, 39059), (838, 39122), (844, 39233), (846, 39266), (848, 39320), (849, 39329), (852, 39398), (853, 39422), (854, 39431), (856, 39530), (857, 39536), (859, 39566), (860, 39605), (862, 39692),

Gene: Liebe_15 Start: 9206, Stop: 11569, Start Num: 61

Candidate Starts for Liebe_15:

(Start: 61 @9206 has 156 MA's), (112, 9395), (127, 9461), (145, 9536), (158, 9602), (178, 9677), (179, 9680), (180, 9683), (203, 9770), (206, 9779), (217, 9821), (250, 9968), (255, 9986), (292, 10061), (302, 10094), (321, 10127), (392, 10268), (444, 10391), (446, 10400), (463, 10439), (468, 10457), (473, 10472), (490, 10532), (492, 10538), (494, 10544), (498, 10556), (499, 10559), (516, 10613), (519, 10625), (523, 10637), (528, 10652), (552, 10724), (558, 10742), (561, 10751), (565, 10766), (569, 10778), (574, 10796), (578, 10808), (669, 11030), (724, 11171), (725, 11174), (734, 11207), (738, 11222), (739, 11228), (745, 11267), (759, 11324), (769, 11366), (787, 11414),

Gene: LilBandit_14 Start: 8515, Stop: 11280, Start Num: 62

Candidate Starts for LilBandit_14:

(Start: 62 @8515 has 45 MA's), (66, 8542), (68, 8548), (70, 8560), (79, 8602), (80, 8605), (90, 8650), (92, 8656), (101, 8677), (102, 8680), (116, 8728), (123, 8758), (130, 8794), (139, 8827), (143, 8848), (147, 8869), (153, 8899), (156, 8914), (160, 8932), (164, 8941), (166, 8944), (170, 8962), (182, 9019), (185, 9034), (187, 9049), (188, 9052), (191, 9064), (197, 9079), (198, 9082), (199, 9088), (200, 9091), (209, 9124), (212, 9133), (213, 9136), (222, 9178), (224, 9190), (234, 9235), (243, 9280), (249, 9301), (255, 9322), (266, 9355), (271, 9364), (283, 9397), (285, 9400), (290, 9412), (293, 9430), (295, 9439), (299, 9451), (301, 9463), (305, 9475), (307, 9484), (313, 9505), (314, 9511), (318, 9526), (319, 9532), (323, 9541), (330, 9562), (337, 9586), (348, 9622), (350, 9628), (360, 9658), (368, 9688), (377, 9721), (380, 9730), (386, 9742), (394, 9778), (397, 9787), (399, 9793), (403, 9808), (407, 9820), (421, 9862), (423, 9871), (426, 9880), (433, 9901), (437, 9913), (442, 9928), (444, 9934), (446, 9943), (452, 9961), (453, 9967), (462, 9991), (467, 10009), (468, 10012), (469, 10015), (472, 10024), (473, 10027), (475, 10033), (476, 10036), (480, 10048), (481, 10054), (486, 10075), (488, 10081), (491, 10087), (492, 10090), (495, 10099), (496, 10102), (498, 10108), (502, 10123), (506, 10135), (523, 10189), (526, 10198), (528, 10204), (529, 10207), (530, 10210), (535, 10228), (536, 10231), (537, 10237), (538, 10240), (547, 10261), (548, 10264), (551, 10273), (554, 10282), (565, 10318), (582, 10372), (587, 10384), (592, 10393), (597, 10402), (620, 10492), (624, 10504), (635, 10546), (646, 10591), (651, 10612), (652, 10621), (659, 10654), (669, 10681), (679, 10723), (680, 10732), (688, 10744), (691, 10756), (693, 10765), (703, 10786), (711, 10819), (713, 10828), (714, 10831), (715, 10834), (719, 10852), (720, 10855), (721, 10864), (725, 10888), (728, 10900), (730, 10909), (733, 10918), (741, 10951), (742, 10954), (744, 10978), (755, 11017), (762, 11047), (764, 11053), (765, 11062), (767, 11071), (780, 11113), (784, 11125), (794, 11161), (799, 11179), (801, 11182), (804, 11188), (825, 11257), (830, 11266), (832, 11275),

Gene: LilStuart_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for LilStuart_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (168, 10173), (189, 10269), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491, 11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: Linayshia_19 Start: 13506, Stop: 15500, Start Num: 67

Candidate Starts for Linayshia_19:

(Start: 67 @13506 has 19 MA's), (76, 13545), (111, 13656), (117, 13671), (120, 13683), (145, 13797), (162, 13875), (170, 13899), (203, 14031), (217, 14082), (230, 14148), (254, 14244), (325, 14355), (390, 14481), (411, 14541), (420, 14565), (425, 14583), (447, 14616), (509, 14763), (522, 14781), (568, 14814), (572, 14829), (607, 14895), (705, 15054), (707, 15060), (709, 15066), (724, 15144), (728, 15159), (740, 15201), (754, 15267), (772, 15336), (822, 15474),

Gene: Litotes_18 Start: 12597, Stop: 15152, Start Num: 61

Candidate Starts for Litotes_18:

(55, 12576), (Start: 61 @12597 has 156 MA's), (70, 12645), (88, 12726), (93, 12750), (114, 12822), (126, 12870), (128, 12885), (129, 12891), (168, 13053), (189, 13149), (190, 13152), (201, 13182), (236, 13320), (270, 13443), (294, 13503), (300, 13521), (303, 13536), (317, 13587), (390, 13818), (409, 13887), (418, 13911), (424, 13929), (426, 13935), (444, 13989), (447, 14001), (453, 14022),

(462, 14046), (487, 14133), (495, 14157), (497, 14163), (498, 14166), (501, 14178), (508, 14199), (509, 14202), (511, 14208), (513, 14214), (518, 14232), (519, 14235), (521, 14241), (535, 14286), (537, 14295), (543, 14313), (552, 14334), (555, 14343), (558, 14352), (568, 14385), (569, 14388), (571, 14397), (572, 14400), (591, 14451), (672, 14649), (674, 14661), (689, 14682), (692, 14685), (724, 14781), (725, 14784), (739, 14838), (745, 14877), (759, 14934), (772, 14976), (789, 15024), (802, 15066), (814, 15096),

Gene: LittleFortune_37 Start: 20888, Stop: 23755, Start Num: 60

Candidate Starts for LittleFortune_37:

(Start: 60 @20888 has 54 MA's), (65, 20912), (141, 21221), (188, 21437), (202, 21491), (207, 21512), (215, 21542), (242, 21674), (248, 21695), (272, 21761), (278, 21776), (300, 21839), (313, 21890), (316, 21902), (333, 21953), (339, 21977), (341, 21980), (345, 21995), (353, 22019), (363, 22055), (369, 22076), (397, 22169), (402, 22187), (406, 22199), (421, 22244), (448, 22334), (457, 22361), (502, 22505), (515, 22544), (522, 22568), (526, 22580), (529, 22589), (540, 22628), (543, 22637), (551, 22658), (567, 22709), (575, 22736), (581, 22754), (602, 22808), (604, 22817), (609, 22835), (611, 22841), (614, 22853), (633, 22913), (635, 22922), (645, 22964), (649, 22982), (653, 23000), (654, 23006), (671, 23057), (687, 23138), (696, 23171), (698, 23186), (706, 23249), (707, 23252), (712, 23273), (714, 23282), (722, 23318), (729, 23357), (747, 23432), (753, 23456), (759, 23486), (765, 23510), (811, 23660), (812, 23663),

Gene: Lizalica_16 Start: 10715, Stop: 13030, Start Num: 61

Candidate Starts for Lizalica_16:

(Start: 61 @10715 has 156 MA's), (97, 10871), (101, 10880), (122, 10961), (124, 10973), (137, 11021), (138, 11024), (146, 11066), (162, 11138), (181, 11219), (182, 11222), (187, 11252), (206, 11306), (215, 11336), (228, 11393), (234, 11417), (247, 11477), (344, 11702), (421, 11798), (446, 11870), (462, 11918), (481, 11972), (494, 12014), (506, 12053), (525, 12113), (572, 12254), (640, 12383), (642, 12392), (648, 12416), (666, 12485), (672, 12503), (721, 12614), (724, 12635), (725, 12638), (734, 12671), (750, 12749), (759, 12788), (777, 12848), (789, 12878), (809, 12929), (825, 12974), (837, 13019),

Gene: London_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for London_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325), (228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (433, 11820), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837), (809, 12927),

Gene: Lucretia_36 Start: 20575, Stop: 23442, Start Num: 60

Candidate Starts for Lucretia_36:

(Start: 60 @20575 has 54 MA's), (65, 20599), (141, 20908), (188, 21124), (202, 21178), (207, 21199), (215, 21229), (242, 21361), (248, 21382), (272, 21448), (278, 21463), (300, 21526), (313, 21577), (316, 21589), (333, 21640), (339, 21664), (341, 21667), (345, 21682), (353, 21706), (363, 21742), (369, 21763), (397, 21856), (402, 21874), (406, 21886), (421, 21931), (448, 22021), (457, 22048), (502, 22192), (515, 22231), (522, 22255), (526, 22267), (529, 22276), (540, 22315), (543, 22324), (551, 22345), (567, 22396), (575, 22423), (581, 22441), (602, 22495), (604, 22504), (609, 22522), (611, 22528), (614, 22540), (633, 22600), (635, 22609), (645, 22651), (649, 22669), (653, 22687), (654, 22693), (671, 22744), (687, 22825), (696, 22858), (698, 22873), (706, 22936), (707, 22939), (712, 22960), (714, 22969), (722, 23005), (729, 23044), (747, 23119), (753, 23143), (759, 23173), (765, 23197), (811, 23347), (812, 23350),

Gene: Lucy_14 Start: 9709, Stop: 12270, Start Num: 61

Candidate Starts for Lucy_14:

(55, 9688), (Start: 61 @9709 has 156 MA's), (70, 9757), (88, 9838), (93, 9862), (114, 9934), (126, 9982), (128, 9997), (129, 10003), (168, 10165), (189, 10261), (190, 10264), (201, 10294), (236, 10432), (255, 10510), (270, 10555), (274, 10564), (294, 10615), (300, 10633), (302, 10645), (309, 10669), (375, 10885), (402, 10975), (408, 10996), (418, 11023), (424, 11041), (426, 11047), (434, 11071), (437, 11080), (452, 11128), (461, 11155), (470, 11185), (486, 11242), (491, 11257), (495, 11269), (497, 11275), (498, 11278), (500, 11287), (509, 11314), (513, 11326), (516, 11335), (519, 11347), (521, 11353), (529, 11377), (535, 11398), (537, 11407), (542, 11422), (552, 11446), (558, 11464), (568, 11497), (569, 11500), (572, 11512), (600, 11587), (608, 11617), (643, 11653), (672, 11761), (674, 11773), (692, 11797), (724, 11893), (725, 11896), (739, 11950), (745, 11989), (750, 12007), (757, 12037), (759, 12046), (765, 12070), (790, 12145), (797, 12163), (814, 12211),

Gene: MEAK_14 Start: 8501, Stop: 11266, Start Num: 62

Candidate Starts for MEAK_14:

(Start: 62 @8501 has 45 MA's), (66, 8528), (68, 8534), (70, 8546), (72, 8555), (79, 8588), (80, 8591), (90, 8636), (101, 8663), (102, 8666), (111, 8696), (116, 8714), (123, 8744), (128, 8771), (130, 8780), (139, 8813), (143, 8834), (147, 8855), (153, 8885), (156, 8900), (160, 8918), (164, 8927), (166, 8930), (170, 8948), (181, 9002), (182, 9005), (185, 9020), (187, 9035), (188, 9038), (191, 9050), (199, 9074), (209, 9110), (212, 9119), (213, 9122), (222, 9164), (224, 9176), (234, 9221), (243, 9266), (249, 9287), (255, 9308), (261, 9329), (266, 9341), (276, 9362), (283, 9383), (285, 9386), (290, 9398), (293, 9416), (295, 9425), (299, 9437), (301, 9449), (305, 9461), (307, 9470), (313, 9491), (314, 9497), (318, 9512), (319, 9518), (323, 9527), (330, 9548), (350, 9614), (354, 9626), (360, 9644), (368, 9674), (377, 9707), (380, 9716), (386, 9728), (393, 9761), (394, 9764), (397, 9773), (399, 9779), (403, 9794), (407, 9806), (416, 9833), (421, 9848), (423, 9857), (426, 9866), (433, 9887), (437, 9899), (442, 9914), (444, 9920), (446, 9929), (452, 9947), (453, 9953), (462, 9977), (467, 9995), (468, 9998), (469, 10001), (472, 10010), (473, 10013), (475, 10019), (476, 10022), (481, 10040), (486, 10061), (488, 10067), (492, 10076), (495, 10085), (496, 10088), (498, 10094), (502, 10109), (506, 10121), (521, 10169), (523, 10175), (526, 10184), (528, 10190), (529, 10193), (530, 10196), (535, 10214), (536, 10217), (537, 10223), (538, 10226), (547, 10247), (548, 10250), (551, 10259), (554, 10268), (565, 10304), (568, 10313), (570, 10322), (582, 10358), (587, 10370), (592, 10379), (597, 10388), (620, 10478), (624, 10490), (628, 10514), (646, 10577), (650, 10595), (651, 10598), (652, 10607), (659, 10640), (679, 10709), (680, 10718), (688, 10730), (691, 10742), (693, 10751), (703, 10772), (711, 10805), (714, 10817), (715, 10820), (719, 10838), (720, 10841), (725, 10874), (730, 10895), (733, 10904), (741, 10937), (742, 10940), (744, 10964), (755, 11003), (762, 11033), (764, 11039), (765, 11048), (767, 11057), (780, 11099), (784, 11111), (794, 11147), (799, 11165), (801, 11168), (804, 11174), (825, 11243), (830, 11252), (832, 11261),

Gene: MaGuCo_15 Start: 9140, Stop: 11503, Start Num: 61

Candidate Starts for MaGuCo_15:

(Start: 61 @9140 has 156 MA's), (112, 9329), (127, 9395), (145, 9470), (178, 9611), (179, 9614), (180, 9617), (203, 9704), (206, 9713), (217, 9755), (227, 9800), (250, 9902), (255, 9920), (302, 10028), (321, 10061), (392, 10202), (437, 10304), (444, 10325), (446, 10334), (463, 10373), (468, 10391), (472, 10403), (473, 10406), (490, 10466), (492, 10472), (494, 10478), (498, 10490), (499, 10493), (505, 10514), (516, 10547), (519, 10559), (523, 10571), (528, 10586), (552, 10658), (556, 10670), (558, 10676), (561, 10685), (565, 10700), (569, 10712), (574, 10730), (578, 10742), (669, 10964), (724, 11105), (725, 11108), (734, 11141), (739, 11162), (745, 11201), (759, 11258), (769, 11300), (787, 11348),

Gene: Mabodamaca_15 Start: 10264, Stop: 13101, Start Num: 16

Candidate Starts for Mabodamaca_15:

(Start: 16 @10264 has 7 MA's), (71, 10627), (80, 10660), (98, 10732), (102, 10741), (118, 10795), (136, 10879), (144, 10909), (155, 10957), (158, 10978), (159, 10984), (208, 11158), (225, 11224), (254, 11347), (260, 11368), (331, 11572), (333, 11578), (337, 11593), (344, 11614), (442, 11788),

(457, 11839), (498, 11938), (508, 11971), (541, 12079), (554, 12112), (579, 12193), (582, 12202), (673, 12556), (720, 12655), (724, 12685), (728, 12700),

Gene: Makima_18 Start: 10929, Stop: 13217, Start Num: 57

Candidate Starts for Makima_18:

(Start: 57 @10929 has 8 MA's), (150, 11289), (151, 11292), (178, 11403), (179, 11406), (180, 11409), (217, 11547), (250, 11694), (334, 11865), (349, 11913), (473, 12165), (479, 12183), (490, 12225), (495, 12240), (518, 12315), (519, 12318), (528, 12345), (533, 12363), (536, 12372), (543, 12396), (549, 12411), (552, 12417), (556, 12429), (558, 12435), (569, 12471), (645, 12633), (669, 12723), (674, 12744), (675, 12747), (706, 12777), (724, 12864), (725, 12867), (734, 12900), (759, 13017), (765, 13041), (774, 13068), (809, 13158),

Gene: Makoto_14 Start: 9718, Stop: 12279, Start Num: 61

Candidate Starts for Makoto_14:

(55, 9697), (Start: 61 @9718 has 156 MA's), (70, 9766), (88, 9847), (93, 9871), (114, 9943), (126, 9991), (128, 10006), (129, 10012), (168, 10174), (189, 10270), (201, 10303), (236, 10441), (255, 10519), (270, 10564), (274, 10573), (294, 10624), (300, 10642), (302, 10654), (309, 10678), (375, 10894), (408, 11005), (418, 11032), (424, 11050), (426, 11056), (434, 11080), (437, 11089), (452, 11137), (461, 11164), (470, 11194), (486, 11251), (491, 11266), (495, 11278), (497, 11284), (498, 11287), (500, 11296), (509, 11323), (513, 11335), (516, 11344), (519, 11356), (521, 11362), (529, 11386), (535, 11407), (537, 11416), (542, 11431), (552, 11455), (568, 11506), (569, 11509), (572, 11521), (600, 11596), (608, 11626), (643, 11662), (672, 11770), (674, 11782), (692, 11806), (724, 11902), (725, 11905), (734, 11938), (739, 11959), (750, 12016), (757, 12046), (759, 12055), (765, 12079), (790, 12154), (814, 12220),

Gene: MamaPearl_14 Start: 9752, Stop: 12301, Start Num: 61

Candidate Starts for MamaPearl_14:

(53, 9722), (Start: 61 @9752 has 156 MA's), (88, 9881), (95, 9917), (126, 10025), (128, 10040), (161, 10187), (168, 10208), (189, 10304), (219, 10394), (238, 10487), (270, 10598), (294, 10658), (296, 10667), (380, 10940), (399, 10994), (408, 11027), (416, 11048), (418, 11054), (424, 11072), (452, 11159), (472, 11222), (487, 11276), (490, 11285), (497, 11306), (500, 11318), (501, 11321), (509, 11345), (511, 11351), (513, 11357), (516, 11366), (519, 11378), (521, 11384), (528, 11405), (537, 11438), (542, 11453), (543, 11456), (552, 11477), (554, 11483), (558, 11495), (568, 11528), (569, 11531), (571, 11540), (572, 11543), (577, 11558), (607, 11642), (642, 11681), (672, 11792), (674, 11804), (710, 11849), (724, 11924), (725, 11927), (739, 11981), (757, 12068), (759, 12077), (765, 12101), (768, 12113), (789, 12170), (790, 12176), (814, 12242), (827, 12284),

Gene: Margaery_31 Start: 19960, Stop: 22806, Start Num: 60

Candidate Starts for Margaery_31:

(Start: 60 @19960 has 54 MA's), (65, 19987), (93, 20110), (120, 20200), (147, 20332), (154, 20362), (192, 20533), (207, 20590), (215, 20620), (242, 20752), (272, 20839), (278, 20854), (300, 20917), (305, 20938), (333, 21031), (339, 21055), (341, 21058), (345, 21073), (354, 21100), (363, 21133), (369, 21154), (376, 21178), (397, 21247), (421, 21322), (448, 21412), (492, 21550), (502, 21583), (516, 21625), (529, 21667), (560, 21763), (562, 21769), (575, 21814), (611, 21919), (633, 21991), (635, 22000), (645, 22042), (654, 22084), (663, 22117), (669, 22132), (678, 22168), (680, 22183), (687, 22216), (695, 22243), (696, 22249), (710, 22339), (731, 22441), (737, 22462), (753, 22534), (756, 22546), (759, 22564), (763, 22576), (765, 22588), (806, 22708), (817, 22735), (836, 22795),

Gene: Maria1952_14 Start: 9744, Stop: 12302, Start Num: 61

Candidate Starts for Maria1952_14:

(Start: 61 @9744 has 156 MA's), (64, 9753), (69, 9783), (88, 9873), (95, 9909), (126, 10017), (128, 10032), (168, 10200), (189, 10296), (262, 10569), (270, 10590), (282, 10620), (294, 10650), (317, 10737), (357, 10860), (380, 10935), (399, 10998), (408, 11031), (416, 11052), (418, 11058), (424,

11076), (426, 11082), (434, 11106), (447, 11148), (452, 11163), (453, 11169), (463, 11196), (479, 11247), (487, 11280), (490, 11289), (497, 11310), (500, 11322), (509, 11349), (513, 11361), (516, 11370), (519, 11382), (521, 11388), (522, 11391), (529, 11412), (537, 11442), (543, 11460), (552, 11481), (555, 11490), (558, 11499), (568, 11532), (569, 11535), (572, 11547), (577, 11562), (607, 11646), (608, 11652), (643, 11688), (656, 11745), (657, 11754), (672, 11796), (710, 11853), (724, 11928), (725, 11931), (733, 11961), (739, 11985), (750, 12042), (757, 12072), (759, 12081), (765, 12105), (768, 12117), (814, 12243),

Gene: Matzah_32 Start: 19992, Stop: 22838, Start Num: 60

Candidate Starts for Matzah_32:

(Start: 60 @19992 has 54 MA's), (65, 20019), (116, 20217), (135, 20310), (140, 20328), (174, 20472), (188, 20550), (192, 20568), (207, 20625), (240, 20775), (242, 20787), (248, 20808), (272, 20874), (278, 20889), (298, 20943), (300, 20952), (339, 21090), (341, 21093), (353, 21132), (363, 21168), (369, 21189), (397, 21282), (402, 21300), (421, 21357), (448, 21447), (474, 21525), (492, 21585), (502, 21618), (515, 21657), (516, 21660), (526, 21693), (529, 21702), (530, 21705), (547, 21759), (550, 21768), (560, 21798), (571, 21837), (576, 21852), (606, 21936), (611, 21954), (633, 22026), (635, 22035), (645, 22077), (654, 22119), (669, 22167), (680, 22218), (683, 22230), (687, 22251), (695, 22278), (696, 22284), (698, 22299), (700, 22329), (706, 22362), (707, 22365), (710, 22374), (722, 22431), (753, 22569), (756, 22581), (759, 22599), (765, 22623), (776, 22656), (782, 22662), (815, 22761), (817, 22767), (836, 22827),

Gene: Maureen_15 Start: 9206, Stop: 11569, Start Num: 61

Candidate Starts for Maureen_15:

(Start: 61 @9206 has 156 MA's), (112, 9395), (127, 9461), (145, 9536), (158, 9602), (178, 9677), (179, 9680), (180, 9683), (203, 9770), (206, 9779), (217, 9821), (250, 9968), (255, 9986), (292, 10061), (302, 10094), (321, 10127), (392, 10268), (444, 10391), (446, 10400), (463, 10439), (468, 10457), (473, 10472), (490, 10532), (492, 10538), (494, 10544), (498, 10556), (499, 10559), (516, 10613), (519, 10625), (523, 10637), (528, 10652), (552, 10724), (558, 10742), (561, 10751), (565, 10766), (569, 10778), (574, 10796), (578, 10808), (669, 11030), (724, 11171), (725, 11174), (734, 11207), (738, 11222), (739, 11228), (745, 11267), (759, 11324), (769, 11366), (787, 11414),

Gene: Megan_30 Start: 21999, Stop: 24323, Start Num: 173

Candidate Starts for Megan_30:

(163, 21969), (Start: 173 @21999 has 1 MA's), (213, 22179), (215, 22188), (221, 22215), (233, 22275), (267, 22383), (300, 22461), (327, 22554), (329, 22560), (339, 22590), (388, 22737), (428, 22860), (432, 22872), (459, 22938), (466, 22959), (500, 23064), (502, 23070), (519, 23118), (546, 23202), (562, 23250), (613, 23409), (618, 23433), (627, 23466), (640, 23502), (644, 23517), (645, 23523), (654, 23565), (663, 23598), (669, 23613), (673, 23625), (678, 23649), (680, 23664), (687, 23697), (698, 23745), (699, 23757), (706, 23808), (707, 23811), (717, 23856), (724, 23895), (733, 23928), (759, 24045), (765, 24069), (767, 24078), (831, 24279), (838, 24309), (839, 24312),

Gene: MeganNoll_18 Start: 12624, Stop: 15185, Start Num: 61

Candidate Starts for MeganNoll_18:

(55, 12603), (Start: 61 @12624 has 156 MA's), (70, 12672), (76, 12705), (88, 12753), (93, 12777), (95, 12789), (114, 12849), (126, 12897), (128, 12912), (129, 12918), (156, 13038), (168, 13080), (189, 13176), (190, 13179), (201, 13209), (218, 13263), (219, 13266), (249, 13404), (255, 13425), (262, 13449), (270, 13470), (274, 13479), (294, 13530), (300, 13548), (356, 13734), (399, 13878), (408, 13911), (418, 13938), (424, 13956), (426, 13962), (434, 13986), (437, 13995), (452, 14043), (461, 14070), (462, 14073), (468, 14094), (470, 14100), (472, 14106), (486, 14157), (491, 14172), (495, 14184), (497, 14190), (498, 14193), (500, 14202), (509, 14229), (513, 14241), (516, 14250), (519, 14262), (521, 14268), (528, 14289), (537, 14322), (552, 14361), (568, 14412), (569, 14415), (571, 14424), (572, 14427), (577, 14442), (608, 14532), (643, 14568), (672, 14676), (692, 14712), (724, 14808), (725, 14811), (739, 14865), (745, 14904), (757, 14952), (759, 14961), (765, 14985), (772,

15003), (789, 15054), (797, 15078), (802, 15096), (814, 15126),

Gene: MementoMori_32 Start: 19722, Stop: 22562, Start Num: 60

Candidate Starts for MementoMori_32:

(Start: 60 @19722 has 54 MA's), (65, 19749), (131, 20019), (141, 20058), (167, 20175), (188, 20274), (192, 20292), (207, 20349), (240, 20499), (242, 20511), (248, 20532), (272, 20598), (278, 20613), (284, 20631), (298, 20667), (300, 20676), (333, 20790), (339, 20814), (341, 20817), (363, 20892), (369, 20913), (397, 21006), (421, 21081), (448, 21171), (474, 21249), (492, 21309), (502, 21342), (515, 21381), (516, 21384), (519, 21396), (529, 21426), (530, 21429), (547, 21483), (550, 21492), (560, 21522), (571, 21561), (576, 21576), (583, 21597), (606, 21660), (611, 21678), (621, 21720), (633, 21750), (635, 21759), (645, 21801), (654, 21843), (669, 21891), (680, 21942), (683, 21954), (687, 21975), (695, 22002), (696, 22008), (698, 22023), (706, 22086), (707, 22089), (712, 22110), (722, 22155), (753, 22293), (759, 22323), (763, 22335), (765, 22347), (767, 22356), (815, 22485), (817, 22491), (836, 22551),

Gene: Merry_ Start: 22696, Stop: 25560, Start Num: 60

Candidate Starts for Merry_:

(Start: 60 @22696 has 54 MA's), (65, 22720), (109, 22891), (131, 22990), (141, 23029), (192, 23263), (207, 23320), (242, 23482), (248, 23503), (272, 23569), (278, 23584), (284, 23602), (300, 23647), (310, 23686), (313, 23698), (339, 23785), (341, 23788), (345, 23803), (353, 23827), (363, 23863), (369, 23884), (397, 23977), (404, 24001), (421, 24052), (474, 24220), (484, 24256), (492, 24280), (502, 24313), (515, 24352), (519, 24367), (522, 24376), (526, 24388), (529, 24397), (539, 24433), (550, 24463), (567, 24517), (597, 24598), (611, 24649), (635, 24730), (649, 24790), (652, 24805), (654, 24814), (658, 24832), (661, 24841), (687, 24946), (690, 24958), (695, 24973), (698, 24994), (701, 25027), (703, 25045), (712, 25081), (729, 25165), (747, 25240), (753, 25264), (759, 25294), (765, 25318), (809, 25462), (816, 25483), (818, 25489), (833, 25528), (836, 25549),

Gene: Metamorphoo_36 Start: 20441, Stop: 23311, Start Num: 60

Candidate Starts for Metamorphoo_36:

(Start: 60 @20441 has 54 MA's), (65, 20465), (104, 20621), (141, 20774), (202, 21044), (215, 21095), (234, 21185), (242, 21227), (272, 21314), (278, 21329), (300, 21392), (313, 21443), (316, 21455), (323, 21476), (333, 21506), (339, 21530), (341, 21533), (345, 21548), (354, 21575), (363, 21608), (369, 21629), (397, 21722), (402, 21740), (405, 21749), (406, 21752), (421, 21797), (448, 21887), (464, 21935), (502, 22058), (515, 22097), (526, 22133), (529, 22142), (537, 22172), (578, 22298), (583, 22313), (611, 22394), (622, 22439), (633, 22466), (635, 22475), (645, 22517), (649, 22535), (654, 22559), (687, 22691), (695, 22718), (696, 22724), (698, 22739), (706, 22802), (714, 22835), (747, 22985), (753, 23009), (759, 23039), (765, 23063), (805, 23195), (807, 23204), (838, 23297), (839, 23300),

Gene: Michkear_19 Start: 12632, Stop: 14917, Start Num: 61

Candidate Starts for Michkear_19:

(Start: 61 @12632 has 156 MA's), (112, 12821), (127, 12887), (150, 12989), (156, 13016), (178, 13103), (180, 13109), (203, 13196), (206, 13205), (217, 13247), (227, 13292), (250, 13394), (255, 13412), (297, 13490), (452, 13784), (473, 13838), (479, 13856), (492, 13904), (499, 13925), (505, 13946), (539, 14057), (556, 14102), (562, 14120), (564, 14129), (569, 14144), (674, 14417), (710, 14462), (720, 14507), (725, 14540), (748, 14636), (755, 14666), (783, 14756),

Gene: Milani_20 Start: 12168, Stop: 14459, Start Num: 67

Candidate Starts for Milani_20:

(Start: 67 @12168 has 19 MA's), (101, 12285), (111, 12318), (120, 12345), (162, 12537), (203, 12693), (217, 12744), (228, 12795), (232, 12816), (244, 12873), (268, 12930), (325, 13017), (334, 13044), (340, 13065), (364, 13095), (365, 13098), (415, 13212), (462, 13356), (494, 13464), (511, 13518), (545, 13629), (571, 13707), (578, 13728), (582, 13740), (591, 13761), (606, 13806), (648, 13872),

(665, 13938), (675, 13974), (677, 13980), (707, 14007), (716, 14046), (724, 14091), (725, 14094), (727, 14103), (730, 14115), (733, 14124), (734, 14127), (759, 14241), (775, 14292), (777, 14298),

Gene: MiniMommy_15 Start: 8972, Stop: 11215, Start Num: 61

Candidate Starts for MiniMommy_15:

(Start: 61 @8972 has 156 MA's), (80, 9059), (112, 9161), (127, 9227), (151, 9332), (178, 9443), (180, 9449), (206, 9545), (217, 9587), (250, 9734), (255, 9752), (332, 9869), (342, 9896), (364, 9929), (409, 9965), (425, 10013), (439, 10052), (451, 10091), (463, 10115), (470, 10139), (473, 10148), (476, 10157), (479, 10166), (490, 10208), (501, 10244), (505, 10256), (519, 10301), (521, 10307), (529, 10331), (539, 10367), (546, 10385), (555, 10409), (558, 10418), (562, 10430), (568, 10451), (569, 10454), (578, 10484), (675, 10730), (724, 10847), (745, 10943), (748, 10949), (755, 10979),

Gene: Mireles_17 Start: 9332, Stop: 11623, Start Num: 57

Candidate Starts for Mireles_17:

(48, 9296), (Start: 57 @9332 has 8 MA's), (150, 9692), (151, 9695), (178, 9806), (180, 9812), (217, 9950), (250, 10097), (255, 10115), (335, 10274), (344, 10301), (401, 10376), (443, 10484), (468, 10553), (473, 10568), (479, 10586), (480, 10589), (486, 10616), (490, 10628), (491, 10631), (493, 10637), (505, 10676), (516, 10709), (519, 10721), (522, 10730), (532, 10763), (533, 10766), (569, 10874), (578, 10904), (589, 10934), (591, 10937), (608, 10991), (639, 11012), (640, 11015), (646, 11039), (669, 11126), (674, 11147), (675, 11150), (724, 11267), (725, 11270), (734, 11303), (745, 11363), (759, 11420), (765, 11444), (767, 11453), (788, 11513), (809, 11564), (818, 11591),

Gene: Misaeng_18 Start: 12684, Stop: 15242, Start Num: 61

Candidate Starts for Misaeng_18:

(55, 12663), (Start: 61 @12684 has 156 MA's), (79, 12774), (88, 12813), (95, 12849), (128, 12972), (168, 13140), (178, 13185), (189, 13236), (190, 13239), (218, 13323), (270, 13530), (274, 13539), (281, 13557), (282, 13560), (296, 13599), (357, 13800), (372, 13851), (390, 13905), (418, 13998), (426, 14022), (448, 14091), (452, 14103), (453, 14109), (454, 14112), (463, 14136), (472, 14166), (479, 14187), (492, 14235), (497, 14250), (499, 14256), (501, 14265), (509, 14289), (513, 14301), (515, 14307), (519, 14322), (521, 14328), (522, 14331), (533, 14367), (535, 14373), (537, 14382), (543, 14400), (546, 14406), (552, 14421), (555, 14430), (561, 14448), (568, 14472), (569, 14475), (572, 14487), (578, 14505), (603, 14571), (607, 14586), (640, 14616), (642, 14625), (646, 14640), (656, 14685), (672, 14736), (692, 14772), (724, 14868), (725, 14871), (739, 14925), (745, 14964), (759, 15021), (765, 15045), (780, 15087), (789, 15114), (814, 15183),

Gene: MisoSoup_28 Start: 17085, Stop: 19901, Start Num: 59

Candidate Starts for MisoSoup_28:

(43, 17028), (59, 17085), (84, 17196), (128, 17349), (141, 17400), (144, 17418), (167, 17517), (207, 17691), (242, 17853), (272, 17940), (278, 17955), (293, 17994), (300, 18018), (313, 18069), (321, 18096), (331, 18126), (333, 18132), (339, 18156), (354, 18201), (363, 18234), (369, 18255), (379, 18288), (408, 18387), (411, 18396), (434, 18465), (457, 18519), (465, 18543), (492, 18630), (502, 18663), (530, 18750), (560, 18843), (571, 18882), (602, 18966), (611, 18999), (633, 19071), (635, 19080), (654, 19164), (669, 19212), (680, 19263), (687, 19296), (695, 19323), (706, 19407), (707, 19410), (765, 19668), (772, 19692), (780, 19710), (797, 19764),

Gene: MissSwiss_16 Start: 10713, Stop: 12947, Start Num: 61

Candidate Starts for MissSwiss_16:

(Start: 61 @10713 has 156 MA's), (97, 10869), (101, 10878), (110, 10905), (122, 10959), (124, 10971), (137, 11019), (162, 11136), (181, 11217), (182, 11220), (187, 11250), (215, 11334), (228, 11391), (234, 11415), (247, 11475), (275, 11544), (282, 11562), (316, 11613), (333, 11634), (342, 11655), (409, 11700), (444, 11796), (446, 11805), (462, 11853), (464, 11862), (494, 11949), (530, 12063), (559, 12150), (574, 12195), (579, 12210), (643, 12330), (646, 12342), (662, 12408), (674, 12450), (686, 12462), (707, 12486), (712, 12507), (714, 12516), (719, 12537), (726, 12579), (748, 12669),

(755, 12699), (769, 12753), (821, 12882),

Gene: Moki_14 Start: 9720, Stop: 12287, Start Num: 61

Candidate Starts for Moki_14:

(55, 9699), (Start: 61 @9720 has 156 MA's), (70, 9768), (88, 9849), (93, 9873), (114, 9945), (126, 9993), (128, 10008), (129, 10014), (168, 10176), (188, 10269), (189, 10272), (190, 10275), (201, 10305), (219, 10362), (249, 10500), (255, 10521), (270, 10566), (281, 10593), (294, 10626), (300, 10644), (311, 10686), (326, 10743), (408, 11007), (418, 11034), (424, 11052), (426, 11058), (434, 11082), (441, 11103), (452, 11139), (461, 11166), (470, 11196), (472, 11202), (486, 11253), (497, 11286), (509, 11325), (511, 11331), (513, 11337), (516, 11346), (519, 11358), (521, 11364), (529, 11388), (535, 11409), (537, 11418), (552, 11457), (558, 11475), (568, 11508), (569, 11511), (572, 11523), (577, 11538), (598, 11589), (607, 11622), (636, 11640), (643, 11664), (652, 11706), (672, 11772), (674, 11784), (710, 11829), (724, 11904), (725, 11907), (739, 11961), (745, 12000), (753, 12027), (759, 12057), (763, 12069), (765, 12081), (767, 12090), (789, 12156), (802, 12198), (814, 12228),

Gene: Moss_16 Start: 10335, Stop: 12755, Start Num: 61

Candidate Starts for Moss_16:

(Start: 61 @10335 has 156 MA's), (80, 10422), (113, 10527), (117, 10539), (128, 10599), (152, 10710), (174, 10791), (205, 10917), (210, 10932), (223, 10986), (269, 11160), (299, 11244), (304, 11265), (324, 11307), (383, 11433), (400, 11454), (416, 11487), (436, 11544), (450, 11586), (454, 11601), (471, 11652), (482, 11688), (483, 11694), (515, 11796), (521, 11817), (534, 11859), (556, 11919), (558, 11925), (572, 11973), (622, 12069), (674, 12246), (686, 12258), (713, 12309), (730, 12390), (745, 12459), (755, 12495), (778, 12576), (784, 12591), (810, 12663), (821, 12687),

Gene: Moyashi_14 Start: 8543, Stop: 11308, Start Num: 62

Candidate Starts for Moyashi_14:

(Start: 62 @8543 has 45 MA's), (66, 8570), (68, 8576), (70, 8588), (76, 8621), (80, 8633), (87, 8663), (90, 8678), (92, 8684), (101, 8705), (102, 8708), (116, 8756), (123, 8786), (130, 8822), (139, 8855), (143, 8876), (147, 8897), (153, 8927), (156, 8942), (160, 8960), (164, 8969), (166, 8972), (170, 8990), (181, 9044), (182, 9047), (185, 9062), (187, 9077), (188, 9080), (191, 9092), (197, 9107), (200, 9119), (209, 9152), (212, 9161), (213, 9164), (222, 9206), (224, 9218), (234, 9263), (243, 9308), (246, 9320), (255, 9350), (266, 9383), (276, 9404), (283, 9425), (285, 9428), (290, 9440), (293, 9458), (295, 9467), (299, 9479), (301, 9491), (305, 9503), (313, 9533), (314, 9539), (323, 9569), (330, 9590), (337, 9614), (348, 9650), (360, 9686), (368, 9716), (377, 9749), (386, 9770), (393, 9803), (394, 9806), (397, 9815), (399, 9821), (403, 9836), (407, 9848), (409, 9857), (412, 9866), (420, 9887), (421, 9890), (423, 9899), (426, 9908), (433, 9929), (437, 9941), (442, 9956), (444, 9962), (446, 9971), (462, 10019), (467, 10037), (468, 10040), (469, 10043), (472, 10052), (473, 10055), (480, 10076), (481, 10082), (486, 10103), (488, 10109), (491, 10115), (492, 10118), (495, 10127), (496, 10130), (498, 10136), (502, 10151), (506, 10163), (508, 10169), (518, 10202), (523, 10217), (526, 10226), (528, 10232), (529, 10235), (535, 10256), (537, 10265), (538, 10268), (547, 10289), (550, 10298), (551, 10301), (554, 10310), (565, 10346), (568, 10355), (582, 10400), (585, 10409), (587, 10412), (592, 10421), (597, 10430), (620, 10520), (624, 10532), (632, 10562), (635, 10574), (646, 10619), (651, 10640), (652, 10649), (659, 10682), (669, 10709), (679, 10751), (680, 10760), (688, 10772), (691, 10784), (693, 10793), (711, 10847), (713, 10856), (714, 10859), (715, 10862), (719, 10880), (720, 10883), (721, 10892), (725, 10916), (730, 10937), (733, 10946), (737, 10958), (741, 10979), (742, 10982), (744, 11006), (755, 11045), (762, 11075), (764, 11081), (765, 11090), (774, 11123), (780, 11141), (784, 11153), (799, 11207), (801, 11210), (804, 11216), (825, 11285), (830, 11294), (832, 11303),

Gene: MrAK_14 Start: 8555, Stop: 11320, Start Num: 62

Candidate Starts for MrAK_14:

(Start: 62 @8555 has 45 MA's), (66, 8582), (68, 8588), (70, 8600), (76, 8633), (79, 8642), (80, 8645), (87, 8675), (90, 8690), (92, 8696), (101, 8717), (102, 8720), (116, 8768), (123, 8798), (139, 8867),

(143, 8888), (147, 8909), (156, 8954), (160, 8972), (164, 8981), (166, 8984), (170, 9002), (182, 9059), (185, 9074), (187, 9089), (188, 9092), (191, 9104), (197, 9119), (200, 9131), (209, 9164), (212, 9173), (213, 9176), (222, 9218), (224, 9230), (234, 9275), (243, 9320), (246, 9332), (255, 9362), (266, 9395), (271, 9404), (276, 9416), (283, 9437), (285, 9440), (290, 9452), (293, 9470), (295, 9479), (299, 9491), (301, 9503), (305, 9515), (307, 9524), (313, 9545), (314, 9551), (323, 9581), (330, 9602), (337, 9626), (346, 9656), (348, 9662), (350, 9668), (360, 9698), (368, 9728), (377, 9761), (386, 9782), (393, 9815), (394, 9818), (397, 9827), (399, 9833), (403, 9848), (407, 9860), (409, 9869), (412, 9878), (420, 9899), (421, 9902), (423, 9911), (426, 9920), (433, 9941), (442, 9968), (444, 9974), (446, 9983), (462, 10031), (467, 10049), (468, 10052), (472, 10064), (473, 10067), (481, 10094), (486, 10115), (488, 10121), (491, 10127), (492, 10130), (495, 10139), (496, 10142), (498, 10148), (502, 10163), (506, 10175), (508, 10181), (518, 10214), (523, 10229), (526, 10238), (528, 10244), (529, 10247), (535, 10268), (537, 10277), (538, 10280), (547, 10301), (550, 10310), (551, 10313), (554, 10322), (565, 10358), (568, 10367), (582, 10412), (585, 10421), (587, 10424), (592, 10433), (597, 10442), (599, 10451), (616, 10517), (620, 10532), (624, 10544), (632, 10574), (635, 10586), (646, 10631), (651, 10652), (652, 10661), (659, 10694), (679, 10763), (680, 10772), (688, 10784), (691, 10796), (710, 10850), (711, 10859), (714, 10871), (715, 10874), (719, 10892), (720, 10895), (721, 10904), (725, 10928), (728, 10940), (730, 10949), (733, 10958), (741, 10991), (742, 10994), (744, 11018), (755, 11057), (762, 11087), (764, 11093), (765, 11102), (774, 11135), (780, 11153), (784, 11165), (799, 11219), (801, 11222), (804, 11228), (825, 11297), (830, 11306), (832, 11315),

Gene: MrBoss_18 Start: 12597, Stop: 15152, Start Num: 61

Candidate Starts for MrBoss_18:

(55, 12576), (Start: 61 @12597 has 156 MA's), (70, 12645), (88, 12726), (93, 12750), (114, 12822), (126, 12870), (128, 12885), (129, 12891), (168, 13053), (189, 13149), (190, 13152), (201, 13182), (236, 13320), (270, 13443), (294, 13503), (300, 13521), (303, 13536), (317, 13587), (390, 13818), (409, 13887), (418, 13911), (424, 13929), (426, 13935), (444, 13989), (447, 14001), (453, 14022), (462, 14046), (487, 14133), (495, 14157), (497, 14163), (498, 14166), (501, 14178), (508, 14199), (509, 14202), (511, 14208), (513, 14214), (518, 14232), (519, 14235), (521, 14241), (535, 14286), (537, 14295), (543, 14313), (552, 14334), (555, 14343), (558, 14352), (569, 14388), (571, 14397), (572, 14400), (577, 14415), (591, 14451), (643, 14541), (672, 14649), (674, 14661), (689, 14682), (692, 14685), (724, 14781), (725, 14784), (739, 14838), (745, 14877), (759, 14934), (772, 14976), (789, 15024), (802, 15066), (814, 15096),

Gene: MrGloopy_18 Start: 12558, Stop: 15119, Start Num: 61

Candidate Starts for MrGloopy_18:

(55, 12537), (Start: 61 @12558 has 156 MA's), (70, 12606), (76, 12639), (88, 12687), (93, 12711), (95, 12723), (114, 12783), (126, 12831), (128, 12846), (129, 12852), (156, 12972), (168, 13014), (189, 13110), (190, 13113), (201, 13143), (218, 13197), (249, 13338), (255, 13359), (262, 13383), (270, 13404), (274, 13413), (294, 13464), (300, 13482), (356, 13668), (399, 13812), (408, 13845), (418, 13872), (424, 13890), (426, 13896), (434, 13920), (437, 13929), (452, 13977), (461, 14004), (470, 14034), (472, 14040), (486, 14091), (491, 14106), (495, 14118), (497, 14124), (498, 14127), (500, 14136), (509, 14163), (513, 14175), (516, 14184), (519, 14196), (521, 14202), (528, 14223), (537, 14256), (552, 14295), (568, 14346), (569, 14349), (571, 14358), (572, 14361), (577, 14376), (608, 14466), (643, 14502), (672, 14610), (692, 14646), (724, 14742), (725, 14745), (739, 14799), (745, 14838), (757, 14886), (759, 14895), (765, 14919), (772, 14937), (789, 14988), (797, 15012), (802, 15030), (814, 15060),

Gene: Mudpuppy_16 Start: 10729, Stop: 13044, Start Num: 61

Candidate Starts for Mudpuppy_16:

(Start: 61 @10729 has 156 MA's), (97, 10885), (101, 10894), (122, 10975), (124, 10987), (137, 11035), (138, 11038), (146, 11080), (162, 11152), (181, 11233), (182, 11236), (187, 11266), (206, 11320), (215, 11350), (228, 11407), (234, 11431), (247, 11491), (344, 11716), (421, 11812), (444, 11875), (446, 11884), (462, 11932), (468, 11953), (481, 11986), (494, 12028), (506, 12067), (525, 12127),

(572, 12268), (640, 12397), (642, 12406), (648, 12430), (655, 12463), (666, 12499), (672, 12517), (721, 12628), (724, 12649), (725, 12652), (734, 12685), (750, 12763), (759, 12802), (777, 12862), (789, 12892), (809, 12943), (825, 12988), (837, 13033),

Gene: Music_19 Start: 15190, Stop: 18339, Start Num: 2

Candidate Starts for Music_19:

(Start: 2 @15190 has 4 MA's), (3, 15211), (4, 15235), (10, 15385), (13, 15439), (15, 15463), (18, 15574), (22, 15631), (24, 15640), (28, 15673), (39, 15745), (74, 15892), (77, 15910), (89, 15958), (102, 16000), (136, 16147), (211, 16453), (227, 16528), (259, 16663), (272, 16696), (274, 16702), (282, 16723), (300, 16780), (314, 16834), (331, 16885), (359, 16975), (389, 17077), (408, 17146), (436, 17233), (448, 17272), (478, 17368), (488, 17407), (502, 17452), (513, 17485), (518, 17503), (531, 17542), (543, 17575), (560, 17614), (606, 17749), (607, 17752), (652, 17836), (657, 17860), (677, 17929), (717, 18001), (732, 18070), (741, 18109), (751, 18163), (780, 18238), (798, 18286),

Gene: Mysterium_16 Start: 10336, Stop: 12756, Start Num: 61

Candidate Starts for Mysterium_16:

(Start: 61 @10336 has 156 MA's), (80, 10423), (113, 10528), (117, 10540), (128, 10600), (152, 10711), (174, 10792), (205, 10918), (210, 10933), (223, 10987), (269, 11161), (299, 11245), (304, 11266), (324, 11308), (383, 11434), (400, 11455), (416, 11488), (436, 11545), (450, 11587), (454, 11602), (471, 11653), (482, 11689), (483, 11695), (515, 11797), (521, 11818), (534, 11860), (556, 11920), (558, 11926), (572, 11974), (622, 12070), (669, 12226), (674, 12247), (686, 12259), (713, 12310), (745, 12460), (755, 12496), (778, 12577), (810, 12664), (821, 12688),

Gene: Nancia_14 Start: 9717, Stop: 12278, Start Num: 61

Candidate Starts for Nancia_14:

(55, 9696), (Start: 61 @9717 has 156 MA's), (70, 9765), (88, 9846), (93, 9870), (114, 9942), (126, 9990), (128, 10005), (129, 10011), (156, 10131), (168, 10173), (189, 10269), (190, 10272), (201, 10302), (236, 10440), (255, 10518), (270, 10563), (274, 10572), (294, 10623), (300, 10641), (302, 10653), (309, 10677), (375, 10893), (402, 10983), (408, 11004), (418, 11031), (424, 11049), (426, 11055), (434, 11079), (437, 11088), (452, 11136), (461, 11163), (470, 11193), (486, 11250), (491, 11265), (495, 11277), (497, 11283), (498, 11286), (500, 11295), (509, 11322), (513, 11334), (516, 11343), (519, 11355), (521, 11361), (529, 11385), (535, 11406), (537, 11415), (542, 11430), (552, 11454), (568, 11505), (569, 11508), (572, 11520), (600, 11595), (608, 11625), (643, 11661), (672, 11769), (674, 11781), (692, 11805), (724, 11901), (725, 11904), (734, 11937), (739, 11958), (745, 11997), (750, 12015), (757, 12045), (759, 12054), (765, 12078), (790, 12153), (814, 12219),

Gene: Neuville_17 Start: 9567, Stop: 11855, Start Num: 56

Candidate Starts for Neuville_17:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044), (217, 10188), (241, 10299), (250, 10335), (262, 10377), (336, 10515), (346, 10545), (347, 10548), (353, 10566), (383, 10608), (433, 10692), (441, 10716), (460, 10764), (473, 10806), (475, 10812), (486, 10854), (492, 10872), (505, 10914), (509, 10926), (516, 10947), (522, 10968), (525, 10977), (527, 10983), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139), (578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385), (677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658), (765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: Nicole72_31 Start: 22378, Stop: 25257, Start Num: 60

Candidate Starts for Nicole72_31:

(Start: 60 @22378 has 54 MA's), (75, 22447), (80, 22471), (99, 22549), (113, 22594), (135, 22696), (155, 22786), (180, 22891), (188, 22936), (192, 22954), (223, 23080), (242, 23173), (248, 23194), (278, 23275), (298, 23329), (300, 23338), (313, 23389), (323, 23422), (339, 23476), (341, 23479), (353, 23518), (363, 23554), (369, 23575), (397, 23668), (465, 23884), (496, 23983), (512, 24034),

(515, 24043), (519, 24058), (529, 24088), (546, 24142), (551, 24157), (562, 24190), (567, 24208), (575, 24235), (583, 24259), (597, 24289), (600, 24301), (606, 24322), (611, 24340), (627, 24406), (633, 24412), (635, 24421), (645, 24463), (649, 24481), (652, 24496), (654, 24505), (687, 24637), (695, 24664), (698, 24685), (706, 24748), (707, 24751), (712, 24772), (717, 24796), (722, 24817), (737, 24883), (747, 24931), (753, 24955), (757, 24976), (759, 24985), (765, 25009), (776, 25048), (809, 25150), (838, 25243), (839, 25246),

Gene: Niobe_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for Niobe_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325), (228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (433, 11820), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837), (809, 12927),

Gene: Nitro_16 Start: 10728, Stop: 13052, Start Num: 61

Candidate Starts for Nitro_16:

(Start: 61 @10728 has 156 MA's), (94, 10875), (97, 10884), (111, 10926), (122, 10974), (137, 11034), (146, 11079), (162, 11151), (176, 11211), (182, 11235), (187, 11265), (206, 11319), (215, 11349), (228, 11406), (234, 11430), (247, 11490), (249, 11496), (287, 11595), (343, 11712), (421, 11811), (446, 11883), (462, 11931), (494, 12027), (506, 12066), (512, 12084), (525, 12126), (530, 12141), (556, 12219), (638, 12390), (642, 12405), (655, 12462), (666, 12498), (672, 12516), (724, 12648), (725, 12651), (734, 12684), (750, 12762), (759, 12801), (777, 12861), (809, 12951), (825, 12996), (837, 13041),

Gene: NoodlelyBoi_36 Start: 20968, Stop: 23835, Start Num: 60

Candidate Starts for NoodlelyBoi_36:

(Start: 60 @20968 has 54 MA's), (65, 20992), (141, 21301), (188, 21517), (202, 21571), (215, 21622), (234, 21712), (242, 21754), (248, 21775), (272, 21841), (278, 21856), (300, 21919), (313, 21970), (316, 21982), (323, 22003), (339, 22057), (341, 22060), (345, 22075), (354, 22102), (363, 22135), (369, 22156), (397, 22249), (405, 22276), (406, 22279), (421, 22324), (448, 22414), (474, 22492), (502, 22585), (515, 22624), (526, 22660), (529, 22669), (531, 22675), (567, 22789), (575, 22816), (581, 22834), (604, 22897), (609, 22915), (611, 22921), (614, 22933), (633, 22993), (635, 23002), (645, 23044), (649, 23062), (653, 23080), (654, 23086), (671, 23137), (687, 23218), (696, 23251), (698, 23266), (706, 23329), (707, 23332), (712, 23353), (714, 23362), (722, 23398), (747, 23512), (753, 23536), (759, 23566), (765, 23590), (780, 23641),

Gene: Nostromo_18 Start: 13716, Stop: 16340, Start Num: 20

Candidate Starts for Nostromo_18:

(Start: 20 @13716 has 1 MA's), (25, 13746), (33, 13812), (36, 13833), (47, 13869), (128, 14199), (168, 14367), (189, 14463), (193, 14481), (201, 14496), (255, 14712), (258, 14724), (262, 14736), (312, 14877), (326, 14931), (345, 14991), (361, 15039), (371, 15066), (384, 15102), (456, 15321), (458, 15327), (464, 15345), (474, 15375), (476, 15381), (488, 15426), (496, 15450), (499, 15459), (502, 15468), (514, 15504), (524, 15537), (529, 15552), (531, 15558), (534, 15570), (537, 15582), (543, 15591), (552, 15612), (572, 15678), (581, 15705), (590, 15726), (594, 15732), (667, 15912), (677, 15945), (717, 15993), (725, 16035), (730, 16056), (732, 16062), (741, 16101), (767, 16215),

Gene: Nubia_18 Start: 12596, Stop: 15157, Start Num: 61

Candidate Starts for Nubia_18:

(55, 12575), (Start: 61 @12596 has 156 MA's), (79, 12686), (88, 12725), (95, 12761), (114, 12821), (126, 12869), (128, 12884), (168, 13052), (178, 13097), (189, 13148), (190, 13151), (218, 13235), (262, 13421), (277, 13457), (281, 13469), (296, 13511), (390, 13820), (418, 13913), (424, 13931),

(426, 13937), (452, 14018), (453, 14024), (463, 14051), (472, 14081), (490, 14144), (495, 14159), (497, 14165), (498, 14168), (501, 14180), (509, 14204), (513, 14216), (515, 14222), (519, 14237), (521, 14243), (522, 14246), (529, 14267), (533, 14282), (535, 14288), (537, 14297), (543, 14315), (546, 14321), (552, 14336), (555, 14345), (558, 14354), (568, 14387), (569, 14390), (572, 14402), (574, 14408), (578, 14420), (598, 14468), (603, 14486), (607, 14501), (640, 14531), (642, 14540), (656, 14600), (672, 14651), (692, 14687), (710, 14708), (724, 14783), (725, 14786), (739, 14840), (745, 14879), (759, 14936), (765, 14960), (780, 15002), (789, 15029), (814, 15098),

Gene: OMalley_14 Start: 9738, Stop: 12296, Start Num: 61

Candidate Starts for OMalley_14:

(Start: 61 @9738 has 156 MA's), (64, 9747), (69, 9777), (88, 9867), (114, 9963), (124, 10008), (128, 10026), (168, 10194), (189, 10290), (190, 10293), (193, 10308), (222, 10395), (277, 10599), (278, 10602), (305, 10686), (399, 10992), (418, 11052), (424, 11070), (426, 11076), (437, 11109), (441, 11121), (452, 11157), (461, 11184), (468, 11208), (470, 11214), (486, 11271), (494, 11295), (497, 11304), (501, 11319), (509, 11343), (513, 11355), (519, 11376), (521, 11382), (528, 11403), (535, 11427), (537, 11436), (543, 11454), (552, 11475), (554, 11481), (558, 11493), (568, 11526), (569, 11529), (572, 11541), (577, 11556), (578, 11559), (608, 11646), (655, 11736), (656, 11739), (672, 11790), (710, 11847), (711, 11856), (714, 11868), (724, 11922), (725, 11925), (739, 11979), (745, 12018), (757, 12066), (759, 12075), (765, 12099), (768, 12111), (802, 12207), (814, 12237),

Gene: ObiToo_16 Start: 10917, Stop: 13223, Start Num: 61

Candidate Starts for ObiToo_16:

(Start: 61 @10917 has 156 MA's), (96, 11070), (97, 11073), (101, 11082), (137, 11223), (162, 11340), (182, 11424), (187, 11454), (206, 11508), (228, 11595), (234, 11619), (247, 11679), (249, 11685), (273, 11751), (343, 11901), (344, 11904), (444, 12063), (446, 12072), (462, 12120), (481, 12174), (494, 12216), (506, 12255), (525, 12315), (530, 12330), (556, 12408), (572, 12456), (609, 12531), (623, 12543), (640, 12585), (642, 12594), (672, 12705), (724, 12837), (725, 12840), (750, 12951), (759, 12990), (776, 13044), (783, 13065), (789, 13080), (821, 13158),

Gene: Olympi_21 Start: 13480, Stop: 15465, Start Num: 67

Candidate Starts for Olympi_21:

(40, 13381), (Start: 67 @13480 has 19 MA's), (111, 13630), (117, 13645), (120, 13657), (162, 13849), (170, 13873), (179, 13915), (203, 14005), (217, 14056), (230, 14122), (250, 14203), (305, 14293), (313, 14314), (325, 14329), (390, 14455), (415, 14524), (425, 14557), (522, 14755), (566, 14782), (571, 14800), (603, 14854), (641, 14902), (644, 14914), (645, 14920), (660, 14986), (665, 14998), (666, 15001), (740, 15175), (745, 15211), (754, 15241), (768, 15301), (822, 15439),

Gene: Onika_35 Start: 20613, Stop: 23480, Start Num: 60

Candidate Starts for Onika_35:

(Start: 60 @20613 has 54 MA's), (65, 20637), (141, 20946), (188, 21162), (202, 21216), (207, 21237), (215, 21267), (242, 21399), (248, 21420), (272, 21486), (278, 21501), (300, 21564), (313, 21615), (316, 21627), (333, 21678), (339, 21702), (341, 21705), (345, 21720), (353, 21744), (363, 21780), (369, 21801), (397, 21894), (402, 21912), (406, 21924), (421, 21969), (448, 22059), (457, 22086), (502, 22230), (515, 22269), (522, 22293), (526, 22305), (529, 22314), (540, 22353), (543, 22362), (551, 22383), (567, 22434), (575, 22461), (581, 22479), (602, 22533), (604, 22542), (609, 22560), (611, 22566), (614, 22578), (633, 22638), (635, 22647), (645, 22689), (649, 22707), (653, 22725), (654, 22731), (671, 22782), (687, 22863), (696, 22896), (698, 22911), (706, 22974), (707, 22977), (712, 22998), (714, 23007), (722, 23043), (729, 23082), (747, 23157), (753, 23181), (759, 23211), (765, 23235), (811, 23385), (812, 23388),

Gene: Origami_15 Start: 8974, Stop: 11217, Start Num: 61

Candidate Starts for Origami_15:

(Start: 61 @8974 has 156 MA's), (80, 9061), (112, 9163), (127, 9229), (151, 9334), (178, 9445), (180, 9451), (206, 9547), (217, 9589), (250, 9736), (255, 9754), (328, 9856), (425, 10012), (451, 10090), (470, 10138), (473, 10147), (479, 10165), (490, 10207), (493, 10216), (501, 10243), (511, 10273), (521, 10306), (555, 10408), (558, 10417), (562, 10429), (568, 10450), (569, 10453), (578, 10483), (639, 10591), (724, 10846), (727, 10858), (745, 10942), (748, 10948), (755, 10978),

Gene: OurGirlNessie_14 Start: 9709, Stop: 12270, Start Num: 61

Candidate Starts for OurGirlNessie_14:

(55, 9688), (Start: 61 @9709 has 156 MA's), (70, 9757), (88, 9838), (93, 9862), (114, 9934), (126, 9982), (128, 9997), (129, 10003), (168, 10165), (189, 10261), (201, 10294), (236, 10432), (255, 10510), (262, 10534), (270, 10555), (274, 10564), (294, 10615), (300, 10633), (302, 10645), (309, 10669), (375, 10885), (402, 10975), (408, 10996), (418, 11023), (424, 11041), (426, 11047), (434, 11071), (437, 11080), (452, 11128), (461, 11155), (470, 11185), (486, 11242), (491, 11257), (495, 11269), (497, 11275), (498, 11278), (500, 11287), (509, 11314), (513, 11326), (516, 11335), (519, 11347), (521, 11353), (529, 11377), (535, 11398), (537, 11407), (542, 11422), (552, 11446), (558, 11464), (568, 11497), (569, 11500), (572, 11512), (600, 11587), (608, 11617), (643, 11653), (648, 11674), (672, 11761), (674, 11773), (689, 11794), (692, 11797), (724, 11893), (725, 11896), (734, 11929), (739, 11950), (745, 11989), (750, 12007), (757, 12037), (759, 12046), (790, 12145), (814, 12211),

Gene: Ouroboros_14 Start: 8504, Stop: 11269, Start Num: 62

Candidate Starts for Ouroboros_14:

(Start: 62 @8504 has 45 MA's), (66, 8531), (68, 8537), (70, 8549), (72, 8558), (76, 8582), (79, 8591), (80, 8594), (87, 8624), (90, 8639), (92, 8645), (95, 8651), (101, 8666), (102, 8669), (116, 8717), (123, 8747), (128, 8774), (130, 8783), (139, 8816), (147, 8858), (153, 8888), (156, 8903), (160, 8921), (164, 8930), (166, 8933), (170, 8951), (181, 9005), (182, 9008), (185, 9023), (187, 9038), (188, 9041), (191, 9053), (197, 9068), (199, 9077), (200, 9080), (209, 9113), (212, 9122), (213, 9125), (222, 9167), (224, 9179), (234, 9224), (243, 9269), (253, 9305), (255, 9311), (266, 9344), (276, 9365), (283, 9386), (285, 9389), (293, 9419), (295, 9428), (299, 9440), (301, 9452), (307, 9473), (314, 9500), (318, 9515), (319, 9521), (323, 9530), (330, 9551), (337, 9575), (346, 9605), (350, 9617), (353, 9626), (360, 9647), (371, 9689), (377, 9710), (380, 9719), (386, 9731), (393, 9764), (397, 9776), (403, 9797), (407, 9809), (417, 9839), (421, 9851), (423, 9860), (426, 9869), (433, 9890), (437, 9902), (442, 9917), (444, 9923), (446, 9932), (453, 9956), (462, 9980), (467, 9998), (468, 10001), (469, 10004), (472, 10013), (473, 10016), (475, 10022), (476, 10025), (481, 10043), (488, 10070), (491, 10076), (492, 10079), (495, 10088), (496, 10091), (498, 10097), (502, 10112), (506, 10124), (515, 10151), (523, 10178), (526, 10187), (528, 10193), (529, 10196), (530, 10199), (535, 10217), (537, 10226), (538, 10229), (547, 10250), (548, 10253), (551, 10262), (554, 10271), (565, 10307), (582, 10361), (587, 10373), (592, 10382), (597, 10391), (635, 10535), (646, 10580), (652, 10610), (659, 10643), (669, 10670), (679, 10712), (680, 10721), (688, 10733), (691, 10745), (693, 10754), (703, 10775), (711, 10808), (713, 10817), (714, 10820), (715, 10823), (719, 10841), (720, 10844), (721, 10853), (725, 10877), (730, 10898), (733, 10907), (737, 10919), (741, 10940), (742, 10943), (744, 10967), (755, 11006), (762, 11036), (764, 11042), (765, 11051), (767, 11060), (770, 11072), (780, 11102), (784, 11114), (794, 11150), (799, 11168), (801, 11171), (825, 11246), (830, 11255), (832, 11264),

Gene: Oxynfrius_18 Start: 12609, Stop: 15170, Start Num: 61

Candidate Starts for Oxynfrius_18:

(55, 12588), (Start: 61 @12609 has 156 MA's), (79, 12699), (88, 12738), (95, 12774), (114, 12834), (126, 12882), (128, 12897), (168, 13065), (178, 13110), (189, 13161), (190, 13164), (218, 13248), (262, 13434), (277, 13470), (281, 13482), (296, 13524), (326, 13635), (390, 13833), (418, 13926), (426, 13950), (427, 13953), (452, 14031), (453, 14037), (463, 14064), (472, 14094), (490, 14157), (495, 14172), (498, 14181), (499, 14184), (501, 14193), (509, 14217), (513, 14229), (515, 14235), (519, 14250), (521, 14256), (522, 14259), (529, 14280), (533, 14295), (537, 14310), (543, 14328), (546, 14334), (552, 14349), (555, 14358), (558, 14367), (568, 14400), (569, 14403), (572, 14415),

(574, 14421), (578, 14433), (603, 14499), (607, 14514), (640, 14544), (642, 14553), (672, 14664), (692, 14700), (710, 14721), (724, 14796), (725, 14799), (739, 14853), (745, 14892), (759, 14949), (765, 14973), (780, 15015), (789, 15042), (814, 15111),

Gene: P1.1_14 Start: 8512, Stop: 11277, Start Num: 62

Candidate Starts for P1.1_14:

(Start: 62 @8512 has 45 MA's), (66, 8539), (68, 8545), (70, 8557), (72, 8566), (79, 8599), (80, 8602), (90, 8647), (92, 8653), (101, 8674), (102, 8677), (116, 8725), (123, 8755), (130, 8791), (139, 8824), (143, 8845), (147, 8866), (153, 8896), (156, 8911), (160, 8929), (164, 8938), (166, 8941), (170, 8959), (181, 9013), (182, 9016), (185, 9031), (187, 9046), (188, 9049), (191, 9061), (199, 9085), (209, 9121), (212, 9130), (213, 9133), (222, 9175), (224, 9187), (234, 9232), (243, 9277), (255, 9319), (266, 9352), (271, 9361), (283, 9394), (285, 9397), (290, 9409), (293, 9427), (295, 9436), (299, 9448), (301, 9460), (305, 9472), (307, 9481), (313, 9502), (318, 9523), (319, 9529), (323, 9538), (330, 9559), (337, 9583), (346, 9613), (348, 9619), (350, 9625), (354, 9637), (368, 9685), (377, 9718), (380, 9727), (386, 9739), (393, 9772), (394, 9775), (403, 9805), (407, 9817), (416, 9844), (423, 9868), (426, 9877), (433, 9898), (437, 9910), (442, 9925), (444, 9931), (446, 9940), (462, 9988), (464, 9997), (467, 10006), (468, 10009), (469, 10012), (473, 10024), (475, 10030), (480, 10045), (481, 10051), (486, 10072), (488, 10078), (491, 10084), (492, 10087), (495, 10096), (496, 10099), (498, 10105), (502, 10120), (506, 10132), (508, 10138), (518, 10171), (526, 10195), (528, 10201), (529, 10204), (530, 10207), (535, 10225), (537, 10234), (538, 10237), (547, 10258), (548, 10261), (551, 10270), (554, 10279), (565, 10315), (582, 10369), (587, 10381), (592, 10390), (597, 10399), (601, 10414), (616, 10474), (620, 10489), (624, 10501), (635, 10543), (646, 10588), (651, 10609), (652, 10618), (659, 10651), (669, 10678), (679, 10720), (680, 10729), (691, 10753), (693, 10762), (703, 10783), (711, 10816), (713, 10825), (714, 10828), (715, 10831), (719, 10849), (720, 10852), (721, 10861), (725, 10885), (728, 10897), (730, 10906), (733, 10915), (741, 10948), (742, 10951), (744, 10975), (755, 11014), (762, 11044), (764, 11050), (765, 11059), (767, 11068), (780, 11110), (784, 11122), (794, 11158), (799, 11176), (801, 11179), (825, 11254), (830, 11263), (832, 11272),

Gene: P100.1_14 Start: 8519, Stop: 11284, Start Num: 62

Candidate Starts for P100.1_14:

(Start: 62 @8519 has 45 MA's), (66, 8546), (68, 8552), (70, 8564), (76, 8597), (79, 8606), (80, 8609), (87, 8639), (90, 8654), (92, 8660), (101, 8681), (102, 8684), (116, 8732), (123, 8762), (130, 8798), (139, 8831), (143, 8852), (147, 8873), (153, 8903), (156, 8918), (160, 8936), (164, 8945), (166, 8948), (170, 8966), (182, 9023), (185, 9038), (187, 9053), (188, 9056), (191, 9068), (197, 9083), (200, 9095), (209, 9128), (212, 9137), (213, 9140), (222, 9182), (224, 9194), (234, 9239), (240, 9269), (243, 9284), (246, 9296), (255, 9326), (266, 9359), (271, 9368), (276, 9380), (283, 9401), (285, 9404), (290, 9416), (293, 9434), (295, 9443), (299, 9455), (301, 9467), (307, 9488), (314, 9515), (318, 9530), (319, 9536), (323, 9545), (330, 9566), (346, 9620), (348, 9626), (350, 9632), (354, 9644), (360, 9662), (368, 9692), (377, 9725), (380, 9734), (386, 9746), (393, 9779), (394, 9782), (397, 9791), (403, 9812), (407, 9824), (409, 9833), (420, 9863), (423, 9875), (426, 9884), (433, 9905), (437, 9917), (442, 9932), (446, 9947), (461, 9992), (467, 10013), (468, 10016), (469, 10019), (471, 10025), (473, 10031), (481, 10058), (486, 10079), (488, 10085), (491, 10091), (495, 10103), (496, 10106), (499, 10115), (502, 10127), (506, 10139), (509, 10148), (515, 10166), (521, 10187), (523, 10193), (526, 10202), (528, 10208), (529, 10211), (530, 10214), (535, 10232), (537, 10241), (538, 10244), (548, 10268), (554, 10286), (582, 10376), (587, 10388), (592, 10397), (597, 10406), (612, 10463), (624, 10508), (628, 10532), (635, 10550), (646, 10595), (651, 10616), (652, 10625), (659, 10658), (669, 10685), (679, 10727), (680, 10736), (688, 10748), (691, 10760), (693, 10769), (703, 10790), (710, 10814), (711, 10823), (714, 10835), (715, 10838), (719, 10856), (720, 10859), (721, 10868), (725, 10892), (730, 10913), (733, 10922), (741, 10955), (742, 10958), (744, 10982), (755, 11021), (762, 11051), (764, 11057), (765, 11066), (767, 11075), (773, 11096), (774, 11099), (780, 11117), (784, 11129), (799, 11183), (801, 11186), (825, 11261), (830, 11270), (832, 11279),

Gene: P100A_14 Start: 8513, Stop: 11278, Start Num: 62

Candidate Starts for P100A_14:

(Start: 62 @8513 has 45 MA's), (66, 8540), (68, 8546), (70, 8558), (72, 8567), (76, 8591), (80, 8603), (90, 8648), (92, 8654), (95, 8660), (101, 8675), (102, 8678), (116, 8726), (123, 8756), (128, 8783), (130, 8792), (139, 8825), (143, 8846), (153, 8897), (156, 8912), (160, 8930), (164, 8939), (166, 8942), (170, 8960), (182, 9017), (185, 9032), (187, 9047), (188, 9050), (191, 9062), (193, 9071), (199, 9086), (209, 9122), (212, 9131), (213, 9134), (222, 9176), (224, 9188), (234, 9233), (238, 9254), (243, 9278), (249, 9299), (255, 9320), (266, 9353), (276, 9374), (283, 9395), (285, 9398), (290, 9410), (293, 9428), (295, 9437), (299, 9449), (301, 9461), (307, 9482), (313, 9503), (314, 9509), (318, 9524), (319, 9530), (323, 9539), (330, 9560), (346, 9614), (350, 9626), (360, 9656), (368, 9686), (377, 9719), (380, 9728), (386, 9740), (394, 9776), (397, 9785), (403, 9806), (407, 9818), (416, 9845), (421, 9860), (423, 9869), (433, 9899), (434, 9902), (437, 9911), (442, 9926), (444, 9932), (446, 9941), (453, 9965), (462, 9989), (467, 10007), (468, 10010), (469, 10013), (472, 10022), (473, 10025), (480, 10046), (481, 10052), (487, 10076), (488, 10079), (492, 10088), (494, 10094), (495, 10097), (496, 10100), (499, 10109), (502, 10121), (506, 10133), (523, 10187), (526, 10196), (528, 10202), (529, 10205), (530, 10208), (535, 10226), (536, 10229), (538, 10238), (550, 10268), (551, 10271), (565, 10316), (582, 10370), (587, 10382), (592, 10391), (597, 10400), (620, 10490), (624, 10502), (646, 10589), (650, 10607), (651, 10610), (652, 10619), (659, 10652), (669, 10679), (679, 10721), (680, 10730), (688, 10742), (691, 10754), (693, 10763), (711, 10817), (714, 10829), (715, 10832), (719, 10850), (720, 10853), (721, 10862), (725, 10886), (730, 10907), (733, 10916), (737, 10928), (741, 10949), (742, 10952), (744, 10976), (755, 11015), (762, 11045), (764, 11051), (765, 11060), (767, 11069), (780, 11111), (784, 11123), (794, 11159), (799, 11177), (801, 11180), (825, 11255), (830, 11264), (832, 11273),

Gene: P100D_14 Start: 8515, Stop: 11280, Start Num: 62

Candidate Starts for P100D_14:

(Start: 62 @8515 has 45 MA's), (66, 8542), (68, 8548), (70, 8560), (72, 8569), (79, 8602), (80, 8605), (90, 8650), (92, 8656), (95, 8662), (101, 8677), (102, 8680), (116, 8728), (123, 8758), (130, 8794), (139, 8827), (143, 8848), (147, 8869), (153, 8899), (156, 8914), (160, 8932), (164, 8941), (166, 8944), (170, 8962), (181, 9016), (182, 9019), (185, 9034), (187, 9049), (188, 9052), (191, 9064), (197, 9079), (198, 9082), (199, 9088), (209, 9124), (212, 9133), (213, 9136), (222, 9178), (224, 9190), (234, 9235), (238, 9256), (240, 9265), (243, 9280), (249, 9301), (255, 9322), (266, 9355), (271, 9364), (283, 9397), (285, 9400), (290, 9412), (293, 9430), (295, 9439), (299, 9451), (301, 9463), (305, 9475), (307, 9484), (314, 9511), (318, 9526), (319, 9532), (323, 9541), (330, 9562), (337, 9586), (346, 9616), (350, 9628), (354, 9640), (360, 9658), (368, 9688), (371, 9700), (377, 9721), (380, 9730), (386, 9742), (394, 9778), (403, 9808), (407, 9820), (416, 9847), (421, 9862), (423, 9871), (433, 9901), (437, 9913), (446, 9943), (461, 9988), (467, 10009), (468, 10012), (469, 10015), (471, 10021), (473, 10027), (481, 10054), (487, 10078), (488, 10081), (492, 10090), (495, 10099), (496, 10102), (498, 10108), (502, 10123), (506, 10135), (508, 10141), (515, 10162), (518, 10174), (521, 10183), (523, 10189), (526, 10198), (528, 10204), (529, 10207), (530, 10210), (535, 10228), (536, 10231), (537, 10237), (538, 10240), (548, 10264), (554, 10282), (582, 10372), (587, 10384), (592, 10393), (597, 10402), (616, 10477), (620, 10492), (624, 10504), (635, 10546), (646, 10591), (651, 10612), (652, 10621), (659, 10654), (669, 10681), (679, 10723), (680, 10732), (688, 10744), (691, 10756), (693, 10765), (711, 10819), (714, 10831), (715, 10834), (719, 10852), (720, 10855), (721, 10864), (725, 10888), (730, 10909), (733, 10918), (741, 10951), (742, 10954), (744, 10978), (755, 11017), (762, 11047), (764, 11053), (765, 11062), (767, 11071), (780, 11113), (784, 11125), (794, 11161), (799, 11179), (801, 11182), (804, 11188), (825, 11257), (830, 11266), (832, 11275),

Gene: P101A_14 Start: 8527, Stop: 11292, Start Num: 62

Candidate Starts for P101A_14:

(Start: 62 @8527 has 45 MA's), (66, 8554), (68, 8560), (70, 8572), (76, 8605), (79, 8614), (80, 8617), (87, 8647), (90, 8662), (92, 8668), (101, 8689), (102, 8692), (116, 8740), (123, 8770), (130, 8806), (139, 8839), (143, 8860), (147, 8881), (153, 8911), (156, 8926), (160, 8944), (164, 8953), (166, 8956), (170, 8974), (182, 9031), (185, 9046), (187, 9061), (188, 9064), (191, 9076), (197, 9091), (200, 9103), (209, 9136), (212, 9145), (213, 9148), (222, 9190), (224, 9202), (234, 9247), (240, 9277), (243, 9292),

(246, 9304), (255, 9334), (266, 9367), (271, 9376), (276, 9388), (283, 9409), (285, 9412), (290, 9424), (293, 9442), (295, 9451), (299, 9463), (301, 9475), (307, 9496), (314, 9523), (318, 9538), (319, 9544), (323, 9553), (330, 9574), (337, 9598), (346, 9628), (348, 9634), (350, 9640), (354, 9652), (360, 9670), (368, 9700), (377, 9733), (380, 9742), (386, 9754), (393, 9787), (394, 9790), (397, 9799), (403, 9820), (407, 9832), (409, 9841), (420, 9871), (423, 9883), (426, 9892), (433, 9913), (437, 9925), (442, 9940), (446, 9955), (461, 10000), (467, 10021), (468, 10024), (469, 10027), (471, 10033), (473, 10039), (481, 10066), (486, 10087), (488, 10093), (491, 10099), (495, 10111), (496, 10114), (499, 10123), (502, 10135), (506, 10147), (509, 10156), (515, 10174), (521, 10195), (523, 10201), (526, 10210), (528, 10216), (529, 10219), (530, 10222), (535, 10240), (537, 10249), (538, 10252), (548, 10276), (554, 10294), (582, 10384), (587, 10396), (592, 10405), (597, 10414), (612, 10471), (624, 10516), (628, 10540), (635, 10558), (646, 10603), (651, 10624), (652, 10633), (659, 10666), (669, 10693), (679, 10735), (680, 10744), (688, 10756), (691, 10768), (693, 10777), (703, 10798), (710, 10822), (711, 10831), (714, 10843), (715, 10846), (719, 10864), (720, 10867), (721, 10876), (725, 10900), (730, 10921), (733, 10930), (741, 10963), (742, 10966), (744, 10990), (755, 11029), (762, 11059), (764, 11065), (765, 11074), (767, 11083), (773, 11104), (774, 11107), (780, 11125), (784, 11137), (799, 11191), (801, 11194), (825, 11269), (830, 11278), (832, 11287),

Gene: P104A_14 Start: 8498, Stop: 11263, Start Num: 62

Candidate Starts for P104A_14:

(Start: 62 @8498 has 45 MA's), (66, 8525), (68, 8531), (70, 8543), (72, 8552), (79, 8585), (80, 8588), (90, 8633), (92, 8639), (101, 8660), (102, 8663), (111, 8693), (116, 8711), (123, 8741), (130, 8777), (139, 8810), (143, 8831), (147, 8852), (153, 8882), (156, 8897), (160, 8915), (164, 8924), (166, 8927), (170, 8945), (181, 8999), (182, 9002), (185, 9017), (187, 9032), (188, 9035), (191, 9047), (199, 9071), (209, 9107), (212, 9116), (213, 9119), (222, 9161), (224, 9173), (234, 9218), (243, 9263), (249, 9284), (255, 9305), (261, 9326), (266, 9338), (271, 9347), (283, 9380), (285, 9383), (290, 9395), (293, 9413), (295, 9422), (299, 9434), (301, 9446), (305, 9458), (307, 9467), (314, 9494), (318, 9509), (319, 9515), (323, 9524), (330, 9545), (335, 9563), (337, 9569), (346, 9599), (348, 9605), (350, 9611), (353, 9620), (354, 9623), (360, 9641), (368, 9671), (377, 9704), (380, 9713), (386, 9725), (394, 9761), (399, 9776), (403, 9791), (407, 9803), (409, 9812), (416, 9830), (421, 9845), (423, 9854), (433, 9884), (434, 9887), (437, 9896), (442, 9911), (444, 9917), (446, 9926), (453, 9950), (462, 9974), (467, 9992), (468, 9995), (469, 9998), (472, 10007), (473, 10010), (480, 10031), (481, 10037), (486, 10058), (488, 10064), (491, 10070), (492, 10073), (495, 10082), (496, 10085), (498, 10091), (502, 10106), (506, 10118), (508, 10124), (521, 10166), (523, 10172), (526, 10181), (528, 10187), (529, 10190), (530, 10193), (535, 10211), (537, 10220), (538, 10223), (548, 10247), (554, 10265), (582, 10355), (587, 10367), (592, 10376), (597, 10385), (616, 10460), (624, 10487), (628, 10511), (635, 10529), (646, 10574), (651, 10595), (652, 10604), (659, 10637), (669, 10664), (679, 10706), (680, 10715), (688, 10727), (691, 10739), (693, 10748), (711, 10802), (713, 10811), (714, 10814), (715, 10817), (719, 10835), (720, 10838), (721, 10847), (725, 10871), (728, 10883), (730, 10892), (733, 10901), (741, 10934), (742, 10937), (744, 10961), (755, 11000), (762, 11030), (764, 11036), (765, 11045), (767, 11054), (773, 11075), (780, 11096), (784, 11108), (794, 11144), (799, 11162), (801, 11165), (804, 11171), (825, 11240), (830, 11249), (832, 11258),

Gene: P104B_14 Start: 8515, Stop: 11280, Start Num: 62

Candidate Starts for P104B_14:

(Start: 62 @8515 has 45 MA's), (66, 8542), (68, 8548), (70, 8560), (72, 8569), (79, 8602), (80, 8605), (90, 8650), (92, 8656), (101, 8677), (102, 8680), (116, 8728), (123, 8758), (130, 8794), (139, 8827), (143, 8848), (147, 8869), (153, 8899), (156, 8914), (160, 8932), (164, 8941), (166, 8944), (170, 8962), (181, 9016), (182, 9019), (185, 9034), (187, 9049), (188, 9052), (191, 9064), (197, 9079), (199, 9088), (209, 9124), (212, 9133), (213, 9136), (222, 9178), (224, 9190), (234, 9235), (243, 9280), (249, 9301), (255, 9322), (266, 9355), (271, 9364), (283, 9397), (285, 9400), (290, 9412), (293, 9430), (295, 9439), (299, 9451), (301, 9463), (305, 9475), (307, 9484), (313, 9505), (314, 9511), (318, 9526), (319, 9532), (323, 9541), (330, 9562), (346, 9616), (348, 9622), (350, 9628), (354, 9640), (360, 9658), (368, 9688), (377, 9721), (380, 9730), (386, 9742), (393, 9775), (394, 9778), (397, 9787), (399, 9793), (407, 9820),

(416, 9847), (421, 9862), (423, 9871), (426, 9880), (442, 9928), (444, 9934), (446, 9943), (453, 9967), (462, 9991), (464, 10000), (467, 10009), (468, 10012), (469, 10015), (471, 10021), (472, 10024), (473, 10027), (480, 10048), (481, 10054), (487, 10078), (488, 10081), (492, 10090), (494, 10096), (495, 10099), (496, 10102), (498, 10108), (502, 10123), (506, 10135), (523, 10189), (526, 10198), (528, 10204), (529, 10207), (530, 10210), (535, 10228), (537, 10237), (538, 10240), (547, 10261), (550, 10270), (551, 10273), (554, 10282), (555, 10285), (565, 10318), (582, 10372), (587, 10384), (592, 10393), (597, 10402), (612, 10459), (616, 10477), (620, 10492), (624, 10504), (635, 10546), (646, 10591), (650, 10609), (651, 10612), (659, 10654), (669, 10681), (679, 10723), (680, 10732), (688, 10744), (691, 10756), (693, 10765), (703, 10786), (710, 10810), (711, 10819), (713, 10828), (714, 10831), (715, 10834), (719, 10852), (720, 10855), (721, 10864), (725, 10888), (728, 10900), (730, 10909), (733, 10918), (741, 10951), (742, 10954), (744, 10978), (755, 11017), (762, 11047), (764, 11053), (765, 11062), (767, 11071), (773, 11092), (780, 11113), (784, 11125), (799, 11179), (801, 11182), (804, 11188), (825, 11257), (830, 11266), (832, 11275),

Gene: P105_14 Start: 8500, Stop: 11190, Start Num: 62

Candidate Starts for P105_14:

(Start: 62 @8500 has 45 MA's), (66, 8527), (68, 8533), (70, 8545), (79, 8587), (80, 8590), (87, 8620), (90, 8635), (92, 8641), (101, 8662), (102, 8665), (116, 8713), (123, 8743), (128, 8770), (130, 8779), (139, 8812), (143, 8833), (147, 8854), (153, 8884), (156, 8899), (160, 8917), (164, 8926), (166, 8929), (170, 8947), (181, 9001), (182, 9004), (185, 9019), (187, 9034), (188, 9037), (191, 9049), (197, 9064), (199, 9073), (209, 9109), (212, 9118), (213, 9121), (222, 9163), (224, 9175), (234, 9220), (243, 9265), (255, 9307), (261, 9328), (266, 9340), (271, 9349), (276, 9361), (283, 9382), (285, 9385), (290, 9397), (293, 9415), (295, 9424), (299, 9436), (301, 9448), (305, 9460), (307, 9469), (313, 9490), (314, 9496), (318, 9511), (319, 9517), (323, 9526), (330, 9547), (337, 9571), (346, 9601), (348, 9607), (350, 9613), (354, 9625), (360, 9643), (368, 9673), (377, 9706), (380, 9715), (386, 9727), (394, 9763), (397, 9772), (399, 9778), (421, 9793), (423, 9802), (426, 9811), (433, 9832), (437, 9844), (442, 9859), (444, 9865), (446, 9874), (453, 9898), (462, 9922), (467, 9940), (468, 9943), (469, 9946), (472, 9955), (473, 9958), (475, 9964), (476, 9967), (481, 9985), (486, 10006), (488, 10012), (491, 10018), (492, 10021), (495, 10030), (496, 10033), (498, 10039), (502, 10054), (506, 10066), (508, 10072), (518, 10105), (523, 10120), (526, 10129), (528, 10135), (529, 10138), (530, 10141), (535, 10159), (537, 10168), (547, 10192), (548, 10195), (551, 10204), (554, 10213), (565, 10249), (587, 10294), (592, 10303), (597, 10312), (599, 10321), (624, 10414), (628, 10438), (635, 10456), (646, 10501), (650, 10519), (651, 10522), (652, 10531), (659, 10564), (679, 10633), (680, 10642), (688, 10654), (691, 10666), (693, 10675), (711, 10729), (714, 10741), (715, 10744), (721, 10774), (725, 10798), (727, 10807), (728, 10810), (730, 10819), (733, 10828), (744, 10888), (755, 10927), (762, 10957), (764, 10963), (765, 10972), (780, 11023), (784, 11035), (799, 11089), (801, 11092), (804, 11098), (825, 11167), (830, 11176), (832, 11185),

Gene: P106A_14 Start: 8543, Stop: 11308, Start Num: 62

Candidate Starts for P106A_14:

(Start: 62 @8543 has 45 MA's), (66, 8570), (68, 8576), (70, 8588), (76, 8621), (79, 8630), (80, 8633), (87, 8663), (90, 8678), (92, 8684), (101, 8705), (102, 8708), (116, 8756), (123, 8786), (130, 8822), (139, 8855), (143, 8876), (147, 8897), (153, 8927), (156, 8942), (160, 8960), (164, 8969), (166, 8972), (170, 8990), (182, 9047), (185, 9062), (187, 9077), (188, 9080), (191, 9092), (197, 9107), (200, 9119), (209, 9152), (212, 9161), (213, 9164), (222, 9206), (224, 9218), (234, 9263), (240, 9293), (243, 9308), (246, 9320), (255, 9350), (266, 9383), (271, 9392), (276, 9404), (283, 9425), (285, 9428), (290, 9440), (293, 9458), (295, 9467), (299, 9479), (301, 9491), (307, 9512), (314, 9539), (318, 9554), (319, 9560), (323, 9569), (330, 9590), (346, 9644), (348, 9650), (350, 9656), (354, 9668), (360, 9686), (368, 9716), (377, 9749), (380, 9758), (386, 9770), (393, 9803), (394, 9806), (397, 9815), (403, 9836), (407, 9848), (409, 9857), (420, 9887), (423, 9899), (426, 9908), (433, 9929), (437, 9941), (442, 9956), (446, 9971), (461, 10016), (467, 10037), (468, 10040), (469, 10043), (471, 10049), (473, 10055), (481, 10082), (486, 10103), (488, 10109), (491, 10115), (495, 10127), (496, 10130), (499, 10139), (502, 10151), (506, 10163), (509, 10172), (515, 10190), (521, 10211), (523, 10217), (526, 10226), (528, 10232),

(529, 10235), (530, 10238), (535, 10256), (537, 10265), (538, 10268), (548, 10292), (554, 10310), (582, 10400), (587, 10412), (592, 10421), (597, 10430), (612, 10487), (624, 10532), (628, 10556), (635, 10574), (646, 10619), (651, 10640), (652, 10649), (659, 10682), (669, 10709), (679, 10751), (680, 10760), (688, 10772), (691, 10784), (693, 10793), (703, 10814), (710, 10838), (711, 10847), (714, 10859), (715, 10862), (719, 10880), (720, 10883), (721, 10892), (725, 10916), (728, 10928), (730, 10937), (733, 10946), (742, 10982), (744, 11006), (755, 11045), (762, 11075), (764, 11081), (765, 11090), (767, 11099), (773, 11120), (774, 11123), (780, 11141), (784, 11153), (799, 11207), (801, 11210), (825, 11285), (830, 11294), (832, 11303),

Gene: P106C_14 Start: 8543, Stop: 11308, Start Num: 62

Candidate Starts for P106C_14:

(Start: 62 @8543 has 45 MA's), (66, 8570), (68, 8576), (70, 8588), (76, 8621), (79, 8630), (80, 8633), (87, 8663), (90, 8678), (92, 8684), (101, 8705), (102, 8708), (116, 8756), (123, 8786), (130, 8822), (139, 8855), (143, 8876), (147, 8897), (153, 8927), (156, 8942), (160, 8960), (164, 8969), (166, 8972), (170, 8990), (182, 9047), (185, 9062), (187, 9077), (188, 9080), (191, 9092), (197, 9107), (200, 9119), (209, 9152), (212, 9161), (213, 9164), (222, 9206), (224, 9218), (234, 9263), (240, 9293), (243, 9308), (246, 9320), (255, 9350), (266, 9383), (271, 9392), (276, 9404), (283, 9425), (285, 9428), (290, 9440), (293, 9458), (295, 9467), (299, 9479), (301, 9491), (307, 9512), (314, 9539), (318, 9554), (319, 9560), (323, 9569), (330, 9590), (346, 9644), (348, 9650), (350, 9656), (354, 9668), (360, 9686), (368, 9716), (377, 9749), (380, 9758), (386, 9770), (393, 9803), (394, 9806), (397, 9815), (403, 9836), (407, 9848), (409, 9857), (420, 9887), (423, 9899), (426, 9908), (433, 9929), (437, 9941), (442, 9956), (446, 9971), (461, 10016), (467, 10037), (468, 10040), (469, 10043), (471, 10049), (473, 10055), (481, 10082), (486, 10103), (488, 10109), (491, 10115), (495, 10127), (496, 10130), (499, 10139), (502, 10151), (506, 10163), (509, 10172), (515, 10190), (521, 10211), (523, 10217), (526, 10226), (528, 10232), (529, 10235), (530, 10238), (535, 10256), (537, 10265), (538, 10268), (548, 10292), (554, 10310), (582, 10400), (587, 10412), (592, 10421), (597, 10430), (612, 10487), (624, 10532), (628, 10556), (635, 10574), (646, 10619), (651, 10640), (652, 10649), (659, 10682), (669, 10709), (679, 10751), (680, 10760), (688, 10772), (691, 10784), (693, 10793), (703, 10814), (710, 10838), (711, 10847), (714, 10859), (715, 10862), (719, 10880), (720, 10883), (721, 10892), (725, 10916), (728, 10928), (730, 10937), (733, 10946), (742, 10982), (744, 11006), (755, 11045), (762, 11075), (764, 11081), (765, 11090), (767, 11099), (773, 11120), (774, 11123), (780, 11141), (784, 11153), (799, 11207), (801, 11210), (825, 11285), (830, 11294), (832, 11303),

Gene: P106I_14 Start: 8543, Stop: 11308, Start Num: 62

Candidate Starts for P106I_14:

(Start: 62 @8543 has 45 MA's), (66, 8570), (68, 8576), (70, 8588), (76, 8621), (79, 8630), (80, 8633), (87, 8663), (90, 8678), (92, 8684), (101, 8705), (102, 8708), (116, 8756), (123, 8786), (130, 8822), (139, 8855), (143, 8876), (147, 8897), (153, 8927), (156, 8942), (160, 8960), (164, 8969), (166, 8972), (170, 8990), (182, 9047), (185, 9062), (187, 9077), (188, 9080), (191, 9092), (197, 9107), (200, 9119), (209, 9152), (212, 9161), (213, 9164), (222, 9206), (224, 9218), (234, 9263), (240, 9293), (243, 9308), (246, 9320), (255, 9350), (266, 9383), (271, 9392), (276, 9404), (283, 9425), (285, 9428), (290, 9440), (293, 9458), (295, 9467), (299, 9479), (301, 9491), (307, 9512), (314, 9539), (318, 9554), (319, 9560), (323, 9569), (330, 9590), (346, 9644), (348, 9650), (350, 9656), (354, 9668), (360, 9686), (368, 9716), (377, 9749), (380, 9758), (386, 9770), (393, 9803), (394, 9806), (397, 9815), (403, 9836), (407, 9848), (409, 9857), (420, 9887), (423, 9899), (426, 9908), (433, 9929), (437, 9941), (442, 9956), (446, 9971), (461, 10016), (467, 10037), (468, 10040), (469, 10043), (471, 10049), (473, 10055), (481, 10082), (486, 10103), (488, 10109), (491, 10115), (495, 10127), (496, 10130), (499, 10139), (502, 10151), (506, 10163), (509, 10172), (515, 10190), (521, 10211), (523, 10217), (526, 10226), (528, 10232), (529, 10235), (530, 10238), (535, 10256), (537, 10265), (538, 10268), (548, 10292), (554, 10310), (582, 10400), (587, 10412), (592, 10421), (597, 10430), (612, 10487), (624, 10532), (628, 10556), (635, 10574), (646, 10619), (651, 10640), (652, 10649), (659, 10682), (669, 10709), (679, 10751), (680, 10760), (688, 10772), (691, 10784), (693, 10793), (703, 10814), (710, 10838), (711, 10847), (714, 10859), (715, 10862), (719, 10880), (720, 10883), (721, 10892), (725, 10916), (728, 10928),

(730, 10937), (733, 10946), (742, 10982), (744, 11006), (755, 11045), (762, 11075), (764, 11081), (765, 11090), (767, 11099), (773, 11120), (774, 11123), (780, 11141), (784, 11153), (799, 11207), (801, 11210), (825, 11285), (830, 11294), (832, 11303),

Gene: P106L_14 Start: 8543, Stop: 11308, Start Num: 62

Candidate Starts for P106L_14:

(Start: 62 @8543 has 45 MA's), (66, 8570), (68, 8576), (70, 8588), (76, 8621), (79, 8630), (80, 8633), (87, 8663), (90, 8678), (92, 8684), (101, 8705), (102, 8708), (116, 8756), (123, 8786), (130, 8822), (139, 8855), (143, 8876), (147, 8897), (153, 8927), (156, 8942), (160, 8960), (164, 8969), (166, 8972), (170, 8990), (182, 9047), (185, 9062), (187, 9077), (188, 9080), (191, 9092), (197, 9107), (200, 9119), (209, 9152), (212, 9161), (213, 9164), (222, 9206), (224, 9218), (234, 9263), (240, 9293), (243, 9308), (246, 9320), (255, 9350), (266, 9383), (271, 9392), (276, 9404), (283, 9425), (285, 9428), (290, 9440), (293, 9458), (295, 9467), (299, 9479), (301, 9491), (307, 9512), (314, 9539), (318, 9554), (319, 9560), (323, 9569), (330, 9590), (346, 9644), (348, 9650), (350, 9656), (354, 9668), (360, 9686), (368, 9716), (377, 9749), (380, 9758), (386, 9770), (393, 9803), (394, 9806), (397, 9815), (403, 9836), (407, 9848), (409, 9857), (420, 9887), (423, 9899), (426, 9908), (433, 9929), (437, 9941), (442, 9956), (446, 9971), (461, 10016), (467, 10037), (468, 10040), (469, 10043), (471, 10049), (473, 10055), (481, 10082), (486, 10103), (488, 10109), (491, 10115), (495, 10127), (496, 10130), (499, 10139), (502, 10151), (506, 10163), (509, 10172), (515, 10190), (521, 10211), (523, 10217), (526, 10226), (528, 10232), (529, 10235), (530, 10238), (535, 10256), (537, 10265), (538, 10268), (548, 10292), (554, 10310), (582, 10400), (587, 10412), (592, 10421), (597, 10430), (612, 10487), (624, 10532), (628, 10556), (635, 10574), (646, 10619), (651, 10640), (652, 10649), (659, 10682), (669, 10709), (679, 10751), (680, 10760), (688, 10772), (691, 10784), (693, 10793), (703, 10814), (710, 10838), (711, 10847), (714, 10859), (715, 10862), (719, 10880), (720, 10883), (721, 10892), (725, 10916), (728, 10928), (730, 10937), (733, 10946), (742, 10982), (744, 11006), (755, 11045), (762, 11075), (764, 11081), (765, 11090), (767, 11099), (773, 11120), (774, 11123), (780, 11141), (784, 11153), (799, 11207), (801, 11210), (825, 11285), (830, 11294), (832, 11303),

Gene: P106M_14 Start: 8543, Stop: 11308, Start Num: 62

Candidate Starts for P106M_14:

(Start: 62 @8543 has 45 MA's), (66, 8570), (68, 8576), (70, 8588), (76, 8621), (79, 8630), (80, 8633), (87, 8663), (90, 8678), (92, 8684), (101, 8705), (102, 8708), (116, 8756), (123, 8786), (130, 8822), (139, 8855), (143, 8876), (147, 8897), (153, 8927), (156, 8942), (160, 8960), (164, 8969), (166, 8972), (170, 8990), (182, 9047), (185, 9062), (187, 9077), (188, 9080), (191, 9092), (197, 9107), (200, 9119), (209, 9152), (212, 9161), (213, 9164), (222, 9206), (224, 9218), (234, 9263), (240, 9293), (243, 9308), (246, 9320), (255, 9350), (266, 9383), (271, 9392), (276, 9404), (283, 9425), (285, 9428), (290, 9440), (293, 9458), (295, 9467), (299, 9479), (301, 9491), (307, 9512), (314, 9539), (318, 9554), (319, 9560), (323, 9569), (330, 9590), (346, 9644), (348, 9650), (350, 9656), (354, 9668), (360, 9686), (368, 9716), (377, 9749), (380, 9758), (386, 9770), (393, 9803), (394, 9806), (397, 9815), (403, 9836), (407, 9848), (409, 9857), (420, 9887), (423, 9899), (426, 9908), (433, 9929), (437, 9941), (442, 9956), (446, 9971), (461, 10016), (467, 10037), (468, 10040), (469, 10043), (471, 10049), (473, 10055), (481, 10082), (486, 10103), (488, 10109), (491, 10115), (495, 10127), (496, 10130), (499, 10139), (502, 10151), (506, 10163), (509, 10172), (515, 10190), (521, 10211), (523, 10217), (526, 10226), (528, 10232), (529, 10235), (530, 10238), (535, 10256), (537, 10265), (538, 10268), (548, 10292), (554, 10310), (582, 10400), (587, 10412), (592, 10421), (597, 10430), (612, 10487), (624, 10532), (628, 10556), (635, 10574), (646, 10619), (651, 10640), (652, 10649), (659, 10682), (669, 10709), (679, 10751), (680, 10760), (688, 10772), (691, 10784), (693, 10793), (703, 10814), (710, 10838), (711, 10847), (714, 10859), (715, 10862), (719, 10880), (720, 10883), (721, 10892), (725, 10916), (728, 10928), (730, 10937), (733, 10946), (742, 10982), (744, 11006), (755, 11045), (762, 11075), (764, 11081), (765, 11090), (767, 11099), (773, 11120), (774, 11123), (780, 11141), (784, 11153), (799, 11207), (801, 11210), (825, 11285), (830, 11294), (832, 11303),

Gene: P107A_14 Start: 8520, Stop: 11285, Start Num: 62

Candidate Starts for P107A_14:

(Start: 62 @8520 has 45 MA's), (66, 8547), (68, 8553), (70, 8565), (72, 8574), (76, 8598), (79, 8607), (80, 8610), (90, 8655), (95, 8667), (101, 8682), (102, 8685), (116, 8733), (123, 8763), (130, 8799), (139, 8832), (143, 8853), (153, 8904), (156, 8919), (160, 8937), (164, 8946), (170, 8967), (182, 9024), (185, 9039), (187, 9054), (188, 9057), (191, 9069), (197, 9084), (199, 9093), (200, 9096), (209, 9129), (212, 9138), (213, 9141), (222, 9183), (224, 9195), (234, 9240), (238, 9261), (243, 9285), (249, 9306), (255, 9327), (266, 9360), (271, 9369), (283, 9402), (285, 9405), (290, 9417), (293, 9435), (295, 9444), (299, 9456), (301, 9468), (305, 9480), (307, 9489), (313, 9510), (314, 9516), (318, 9531), (319, 9537), (323, 9546), (330, 9567), (350, 9633), (353, 9642), (354, 9645), (360, 9663), (368, 9693), (377, 9726), (380, 9735), (386, 9747), (394, 9783), (397, 9792), (403, 9813), (407, 9825), (416, 9852), (421, 9867), (423, 9876), (426, 9885), (433, 9906), (437, 9918), (442, 9933), (444, 9939), (446, 9948), (453, 9972), (462, 9996), (467, 10014), (468, 10017), (469, 10020), (472, 10029), (473, 10032), (475, 10038), (476, 10041), (480, 10053), (481, 10059), (486, 10080), (488, 10086), (491, 10092), (492, 10095), (495, 10104), (496, 10107), (498, 10113), (502, 10128), (505, 10137), (506, 10140), (509, 10149), (515, 10167), (521, 10188), (523, 10194), (526, 10203), (528, 10209), (529, 10212), (535, 10233), (537, 10242), (538, 10245), (547, 10266), (548, 10269), (551, 10278), (554, 10287), (565, 10323), (582, 10377), (587, 10389), (592, 10398), (597, 10407), (624, 10509), (635, 10551), (646, 10596), (651, 10617), (652, 10626), (659, 10659), (669, 10686), (679, 10728), (680, 10737), (691, 10761), (693, 10770), (711, 10824), (714, 10836), (715, 10839), (719, 10857), (720, 10860), (721, 10869), (725, 10893), (730, 10914), (733, 10923), (741, 10956), (742, 10959), (744, 10983), (755, 11022), (762, 11052), (764, 11058), (765, 11067), (767, 11076), (780, 11118), (784, 11130), (794, 11166), (799, 11184), (801, 11187), (825, 11262), (830, 11271), (832, 11280),

Gene: P107C_14 Start: 8502, Stop: 11267, Start Num: 62

Candidate Starts for P107C_14:

(Start: 62 @8502 has 45 MA's), (66, 8529), (68, 8535), (70, 8547), (72, 8556), (79, 8589), (80, 8592), (87, 8622), (90, 8637), (92, 8643), (95, 8649), (101, 8664), (102, 8667), (116, 8715), (123, 8745), (128, 8772), (130, 8781), (139, 8814), (143, 8835), (147, 8856), (153, 8886), (156, 8901), (160, 8919), (164, 8928), (166, 8931), (170, 8949), (182, 9006), (185, 9021), (187, 9036), (188, 9039), (191, 9051), (197, 9066), (198, 9069), (199, 9075), (209, 9111), (212, 9120), (213, 9123), (222, 9165), (224, 9177), (234, 9222), (243, 9267), (249, 9288), (255, 9309), (261, 9330), (266, 9342), (271, 9351), (276, 9363), (283, 9384), (285, 9387), (290, 9399), (293, 9417), (295, 9426), (299, 9438), (301, 9450), (305, 9462), (307, 9471), (313, 9492), (314, 9498), (318, 9513), (319, 9519), (323, 9528), (330, 9549), (350, 9615), (360, 9645), (368, 9675), (377, 9708), (386, 9729), (394, 9765), (397, 9774), (399, 9780), (403, 9795), (407, 9807), (416, 9834), (421, 9849), (423, 9858), (433, 9888), (442, 9915), (444, 9921), (446, 9930), (462, 9978), (467, 9996), (468, 9999), (469, 10002), (473, 10014), (480, 10035), (481, 10041), (488, 10068), (491, 10074), (492, 10077), (495, 10086), (496, 10089), (498, 10095), (502, 10110), (506, 10122), (523, 10176), (526, 10185), (528, 10191), (529, 10194), (530, 10197), (535, 10215), (537, 10224), (538, 10227), (547, 10248), (548, 10251), (551, 10260), (554, 10269), (565, 10305), (582, 10359), (587, 10371), (592, 10380), (597, 10389), (601, 10404), (616, 10464), (620, 10479), (624, 10491), (635, 10533), (646, 10578), (651, 10599), (652, 10608), (659, 10641), (669, 10668), (679, 10710), (680, 10719), (688, 10731), (691, 10743), (693, 10752), (703, 10773), (711, 10806), (713, 10815), (714, 10818), (715, 10821), (719, 10839), (720, 10842), (721, 10851), (725, 10875), (727, 10884), (728, 10887), (730, 10896), (733, 10905), (741, 10938), (742, 10941), (744, 10965), (755, 11004), (762, 11034), (764, 11040), (765, 11049), (767, 11058), (780, 11100), (784, 11112), (794, 11148), (799, 11166), (801, 11169), (804, 11175), (825, 11244), (830, 11253), (832, 11262),

Gene: P108C_14 Start: 8510, Stop: 11275, Start Num: 62

Candidate Starts for P108C_14:

(Start: 62 @8510 has 45 MA's), (66, 8537), (68, 8543), (70, 8555), (72, 8564), (76, 8588), (80, 8600), (87, 8630), (90, 8645), (92, 8651), (101, 8672), (102, 8675), (116, 8723), (123, 8753), (130, 8789), (139, 8822), (143, 8843), (147, 8864), (153, 8894), (156, 8909), (160, 8927), (164, 8936), (166, 8939), (170, 8957), (182, 9014), (185, 9029), (187, 9044), (188, 9047), (191, 9059), (197, 9074), (200, 9086),

(209, 9119), (212, 9128), (213, 9131), (222, 9173), (224, 9185), (234, 9230), (240, 9260), (243, 9275), (246, 9287), (255, 9317), (266, 9350), (271, 9359), (276, 9371), (283, 9392), (285, 9395), (290, 9407), (293, 9425), (295, 9434), (299, 9446), (301, 9458), (307, 9479), (314, 9506), (318, 9521), (319, 9527), (323, 9536), (330, 9557), (348, 9617), (350, 9623), (353, 9632), (360, 9653), (368, 9683), (377, 9716), (380, 9725), (386, 9737), (394, 9773), (399, 9788), (407, 9815), (412, 9833), (416, 9842), (421, 9857), (423, 9866), (426, 9875), (433, 9896), (437, 9908), (442, 9923), (446, 9938), (462, 9986), (467, 10004), (468, 10007), (469, 10010), (472, 10019), (473, 10022), (475, 10028), (481, 10049), (488, 10076), (491, 10082), (492, 10085), (495, 10094), (496, 10097), (498, 10103), (502, 10118), (506, 10130), (508, 10136), (523, 10184), (526, 10193), (528, 10199), (529, 10202), (530, 10205), (535, 10223), (538, 10235), (547, 10256), (548, 10259), (551, 10268), (554, 10277), (565, 10313), (582, 10367), (587, 10379), (592, 10388), (597, 10397), (601, 10412), (616, 10472), (624, 10499), (635, 10541), (646, 10586), (651, 10607), (652, 10616), (659, 10649), (669, 10676), (679, 10718), (680, 10727), (688, 10739), (691, 10751), (693, 10760), (703, 10781), (711, 10814), (714, 10826), (715, 10829), (719, 10847), (720, 10850), (725, 10883), (728, 10895), (730, 10904), (733, 10913), (741, 10946), (742, 10949), (744, 10973), (755, 11012), (762, 11042), (764, 11048), (765, 11057), (767, 11066), (780, 11108), (784, 11120), (794, 11156), (799, 11174), (801, 11177), (804, 11183), (825, 11252), (830, 11261), (832, 11270),

Gene: P14.4_14 Start: 8510, Stop: 11275, Start Num: 62

Candidate Starts for P14.4_14:

(Start: 62 @8510 has 45 MA's), (66, 8537), (68, 8543), (70, 8555), (72, 8564), (79, 8597), (80, 8600), (90, 8645), (92, 8651), (101, 8672), (102, 8675), (116, 8723), (123, 8753), (130, 8789), (139, 8822), (143, 8843), (147, 8864), (153, 8894), (156, 8909), (160, 8927), (164, 8936), (166, 8939), (170, 8957), (182, 9014), (185, 9029), (187, 9044), (188, 9047), (191, 9059), (197, 9074), (199, 9083), (209, 9119), (212, 9128), (213, 9131), (222, 9173), (224, 9185), (234, 9230), (243, 9275), (249, 9296), (255, 9317), (261, 9338), (266, 9350), (271, 9359), (283, 9392), (285, 9395), (290, 9407), (293, 9425), (295, 9434), (299, 9446), (301, 9458), (305, 9470), (307, 9479), (313, 9500), (314, 9506), (318, 9521), (319, 9527), (323, 9536), (330, 9557), (337, 9581), (346, 9611), (348, 9617), (350, 9623), (360, 9653), (368, 9683), (377, 9716), (380, 9725), (386, 9737), (393, 9770), (394, 9773), (397, 9782), (399, 9788), (407, 9815), (409, 9824), (413, 9836), (416, 9842), (421, 9857), (423, 9866), (426, 9875), (433, 9896), (437, 9908), (444, 9929), (446, 9938), (453, 9962), (462, 9986), (467, 10004), (468, 10007), (469, 10010), (472, 10019), (473, 10022), (475, 10028), (476, 10031), (480, 10043), (481, 10049), (487, 10073), (488, 10076), (492, 10085), (495, 10094), (496, 10097), (498, 10103), (502, 10118), (506, 10130), (508, 10136), (515, 10157), (518, 10169), (523, 10184), (526, 10193), (528, 10199), (529, 10202), (530, 10205), (535, 10223), (536, 10226), (537, 10232), (538, 10235), (547, 10256), (548, 10259), (551, 10268), (554, 10277), (565, 10313), (582, 10367), (587, 10379), (592, 10388), (597, 10397), (620, 10487), (624, 10499), (635, 10541), (646, 10586), (651, 10607), (652, 10616), (659, 10649), (669, 10676), (679, 10718), (680, 10727), (688, 10739), (691, 10751), (693, 10760), (703, 10781), (711, 10814), (713, 10823), (714, 10826), (715, 10829), (719, 10847), (720, 10850), (721, 10859), (725, 10883), (730, 10904), (733, 10913), (741, 10946), (742, 10949), (744, 10973), (755, 11012), (762, 11042), (764, 11048), (765, 11057), (767, 11066), (780, 11108), (784, 11120), (799, 11174), (801, 11177), (804, 11183), (825, 11252), (830, 11261), (832, 11270),

Gene: P9.1_14 Start: 8505, Stop: 11270, Start Num: 62

Candidate Starts for P9.1_14:

(Start: 62 @8505 has 45 MA's), (66, 8532), (68, 8538), (70, 8550), (72, 8559), (79, 8592), (80, 8595), (87, 8625), (90, 8640), (92, 8646), (101, 8667), (102, 8670), (116, 8718), (123, 8748), (130, 8784), (139, 8817), (143, 8838), (147, 8859), (153, 8889), (156, 8904), (160, 8922), (164, 8931), (166, 8934), (170, 8952), (181, 9006), (182, 9009), (185, 9024), (187, 9039), (188, 9042), (191, 9054), (199, 9078), (209, 9114), (212, 9123), (213, 9126), (222, 9168), (224, 9180), (234, 9225), (243, 9270), (249, 9291), (255, 9312), (261, 9333), (266, 9345), (276, 9366), (285, 9390), (290, 9402), (293, 9420), (295, 9429), (299, 9441), (301, 9453), (305, 9465), (307, 9474), (313, 9495), (314, 9501), (318, 9516), (319, 9522), (323, 9531), (330, 9552), (337, 9576), (346, 9606), (348, 9612), (350, 9618), (354, 9630), (360, 9648),

(368, 9678), (377, 9711), (380, 9720), (386, 9732), (394, 9768), (397, 9777), (403, 9798), (407, 9810), (409, 9819), (416, 9837), (421, 9852), (423, 9861), (426, 9870), (433, 9891), (434, 9894), (437, 9903), (442, 9918), (444, 9924), (446, 9933), (453, 9957), (461, 9978), (462, 9981), (467, 9999), (468, 10002), (472, 10014), (473, 10017), (475, 10023), (476, 10026), (481, 10044), (486, 10065), (488, 10071), (491, 10077), (492, 10080), (495, 10089), (496, 10092), (498, 10098), (502, 10113), (506, 10125), (523, 10179), (526, 10188), (528, 10194), (529, 10197), (530, 10200), (535, 10218), (536, 10221), (537, 10227), (538, 10230), (547, 10251), (548, 10254), (551, 10263), (554, 10272), (565, 10308), (582, 10362), (587, 10374), (592, 10383), (597, 10392), (601, 10407), (620, 10482), (624, 10494), (635, 10536), (646, 10581), (651, 10602), (652, 10611), (659, 10644), (679, 10713), (680, 10722), (691, 10746), (693, 10755), (703, 10776), (711, 10809), (713, 10818), (714, 10821), (715, 10824), (719, 10842), (720, 10845), (721, 10854), (725, 10878), (727, 10887), (728, 10890), (730, 10899), (733, 10908), (741, 10941), (742, 10944), (744, 10968), (755, 11007), (762, 11037), (764, 11043), (765, 11052), (780, 11103), (784, 11115), (799, 11169), (804, 11178), (825, 11247), (830, 11256), (832, 11265),

Gene: PA6_14 Start: 8532, Stop: 11297, Start Num: 62

Candidate Starts for PA6_14:

(Start: 62 @8532 has 45 MA's), (66, 8559), (68, 8565), (70, 8577), (72, 8586), (79, 8619), (80, 8622), (87, 8652), (90, 8667), (92, 8673), (101, 8694), (102, 8697), (116, 8745), (123, 8775), (128, 8802), (130, 8811), (139, 8844), (147, 8886), (153, 8916), (156, 8931), (160, 8949), (164, 8958), (166, 8961), (170, 8979), (181, 9033), (182, 9036), (185, 9051), (187, 9066), (188, 9069), (191, 9081), (199, 9105), (209, 9141), (212, 9150), (213, 9153), (222, 9195), (224, 9207), (234, 9252), (243, 9297), (249, 9318), (255, 9339), (266, 9372), (271, 9381), (283, 9414), (285, 9417), (290, 9429), (293, 9447), (295, 9456), (299, 9468), (301, 9480), (305, 9492), (307, 9501), (313, 9522), (314, 9528), (318, 9543), (319, 9549), (323, 9558), (330, 9579), (346, 9633), (348, 9639), (350, 9645), (354, 9657), (360, 9675), (368, 9705), (371, 9717), (377, 9738), (380, 9747), (386, 9759), (394, 9795), (397, 9804), (399, 9810), (403, 9825), (407, 9837), (409, 9846), (412, 9855), (420, 9876), (423, 9888), (433, 9918), (437, 9930), (442, 9945), (446, 9960), (461, 10005), (467, 10026), (468, 10029), (469, 10032), (471, 10038), (473, 10044), (481, 10071), (486, 10092), (488, 10098), (491, 10104), (495, 10116), (496, 10119), (499, 10128), (502, 10140), (506, 10152), (509, 10161), (515, 10179), (521, 10200), (523, 10206), (526, 10215), (528, 10221), (529, 10224), (530, 10227), (535, 10245), (537, 10254), (538, 10257), (548, 10281), (554, 10299), (582, 10389), (587, 10401), (592, 10410), (597, 10419), (624, 10521), (628, 10545), (635, 10563), (646, 10608), (651, 10629), (652, 10638), (659, 10671), (669, 10698), (679, 10740), (680, 10749), (688, 10761), (691, 10773), (693, 10782), (703, 10803), (710, 10827), (711, 10836), (714, 10848), (715, 10851), (719, 10869), (720, 10872), (721, 10881), (725, 10905), (728, 10917), (730, 10926), (733, 10935), (744, 10995), (755, 11034), (762, 11064), (764, 11070), (765, 11079), (767, 11088), (774, 11112), (780, 11130), (784, 11142), (799, 11196), (801, 11199), (804, 11205), (825, 11274), (830, 11283), (832, 11292),

Gene: PAD20_14 Start: 8508, Stop: 11273, Start Num: 62

Candidate Starts for PAD20_14:

(Start: 62 @8508 has 45 MA's), (66, 8535), (68, 8541), (70, 8553), (72, 8562), (76, 8586), (78, 8592), (80, 8598), (90, 8643), (92, 8649), (101, 8670), (102, 8673), (116, 8721), (123, 8751), (128, 8778), (130, 8787), (139, 8820), (143, 8841), (147, 8862), (153, 8892), (156, 8907), (160, 8925), (164, 8934), (166, 8937), (170, 8955), (181, 9009), (182, 9012), (185, 9027), (187, 9042), (188, 9045), (191, 9057), (199, 9081), (209, 9117), (212, 9126), (213, 9129), (222, 9171), (224, 9183), (234, 9228), (243, 9273), (249, 9294), (255, 9315), (266, 9348), (271, 9357), (283, 9390), (285, 9393), (290, 9405), (293, 9423), (295, 9432), (299, 9444), (301, 9456), (305, 9468), (307, 9477), (313, 9498), (314, 9504), (318, 9519), (319, 9525), (323, 9534), (330, 9555), (346, 9609), (348, 9615), (350, 9621), (360, 9651), (368, 9681), (377, 9714), (380, 9723), (386, 9735), (394, 9771), (397, 9780), (399, 9786), (407, 9813), (409, 9822), (412, 9831), (416, 9840), (426, 9873), (433, 9894), (441, 9918), (442, 9921), (444, 9927), (446, 9936), (453, 9960), (462, 9984), (464, 9993), (467, 10002), (468, 10005), (472, 10017), (473, 10020), (475, 10026), (476, 10029), (481, 10047), (486, 10068), (488, 10074), (491, 10080), (492, 10083), (494,

10089), (495, 10092), (496, 10095), (498, 10101), (502, 10116), (506, 10128), (508, 10134), (515, 10155), (518, 10167), (519, 10170), (521, 10176), (526, 10191), (528, 10197), (529, 10200), (530, 10203), (535, 10221), (537, 10230), (538, 10233), (547, 10254), (550, 10263), (551, 10266), (554, 10275), (565, 10311), (587, 10377), (592, 10386), (597, 10395), (620, 10485), (624, 10497), (628, 10521), (635, 10539), (646, 10584), (651, 10605), (652, 10614), (659, 10647), (669, 10674), (679, 10716), (680, 10725), (688, 10737), (691, 10749), (693, 10758), (703, 10779), (711, 10812), (713, 10821), (714, 10824), (715, 10827), (719, 10845), (720, 10848), (721, 10857), (725, 10881), (728, 10893), (730, 10902), (733, 10911), (741, 10944), (742, 10947), (744, 10971), (755, 11010), (762, 11040), (764, 11046), (765, 11055), (767, 11064), (780, 11106), (784, 11118), (799, 11172), (801, 11175), (804, 11181), (825, 11250), (830, 11259), (832, 11268),

Gene: PAS50_14 Start: 8517, Stop: 11282, Start Num: 62

Candidate Starts for PAS50_14:

(21, 8298), (23, 8316), (30, 8373), (35, 8409), (41, 8448), (46, 8460), (48, 8466), (50, 8472), (Start: 62 @8517 has 45 MA's), (66, 8544), (68, 8550), (72, 8571), (80, 8607), (90, 8652), (92, 8658), (101, 8679), (102, 8682), (116, 8730), (123, 8760), (130, 8796), (139, 8829), (147, 8871), (153, 8901), (156, 8916), (160, 8934), (164, 8943), (166, 8946), (170, 8964), (182, 9021), (185, 9036), (187, 9051), (188, 9054), (191, 9066), (197, 9081), (199, 9090), (209, 9126), (212, 9135), (213, 9138), (222, 9180), (224, 9192), (234, 9237), (240, 9267), (243, 9282), (249, 9303), (255, 9324), (266, 9357), (271, 9366), (283, 9399), (285, 9402), (290, 9414), (293, 9432), (295, 9441), (299, 9453), (301, 9465), (307, 9486), (313, 9507), (314, 9513), (318, 9528), (319, 9534), (323, 9543), (330, 9564), (337, 9588), (346, 9618), (348, 9624), (350, 9630), (354, 9642), (360, 9660), (368, 9690), (371, 9702), (377, 9723), (380, 9732), (386, 9744), (394, 9780), (397, 9789), (403, 9810), (407, 9822), (420, 9861), (423, 9873), (426, 9882), (433, 9903), (437, 9915), (442, 9930), (446, 9945), (461, 9990), (467, 10011), (468, 10014), (471, 10023), (473, 10029), (481, 10056), (486, 10077), (488, 10083), (491, 10089), (492, 10092), (494, 10098), (495, 10101), (496, 10104), (499, 10113), (502, 10125), (506, 10137), (509, 10146), (515, 10164), (521, 10185), (523, 10191), (526, 10200), (528, 10206), (529, 10209), (530, 10212), (535, 10230), (537, 10239), (538, 10242), (548, 10266), (554, 10284), (582, 10374), (587, 10386), (592, 10395), (597, 10404), (620, 10494), (624, 10506), (628, 10530), (635, 10548), (646, 10593), (651, 10614), (652, 10623), (659, 10656), (669, 10683), (679, 10725), (680, 10734), (688, 10746), (691, 10758), (693, 10767), (711, 10821), (713, 10830), (714, 10833), (715, 10836), (719, 10854), (720, 10857), (721, 10866), (725, 10890), (728, 10902), (730, 10911), (733, 10920), (741, 10953), (742, 10956), (744, 10980), (755, 11019), (762, 11049), (764, 11055), (765, 11064), (767, 11073), (773, 11094), (774, 11097), (780, 11115), (784, 11127), (799, 11181), (801, 11184), (825, 11259), (830, 11268), (832, 11277),

Gene: PHL010M04_14 Start: 8505, Stop: 11270, Start Num: 62

Candidate Starts for PHL010M04_14:

(Start: 62 @8505 has 45 MA's), (66, 8532), (68, 8538), (70, 8550), (72, 8559), (76, 8583), (79, 8592), (80, 8595), (90, 8640), (92, 8646), (95, 8652), (101, 8667), (102, 8670), (116, 8718), (123, 8748), (130, 8784), (139, 8817), (153, 8889), (156, 8904), (160, 8922), (164, 8931), (166, 8934), (170, 8952), (182, 9009), (187, 9039), (188, 9042), (191, 9054), (197, 9069), (198, 9072), (199, 9078), (209, 9114), (212, 9123), (213, 9126), (222, 9168), (224, 9180), (234, 9225), (238, 9246), (243, 9270), (246, 9282), (249, 9291), (255, 9312), (266, 9345), (276, 9366), (283, 9387), (285, 9390), (290, 9402), (293, 9420), (295, 9429), (299, 9441), (301, 9453), (305, 9465), (307, 9474), (313, 9495), (314, 9501), (318, 9516), (319, 9522), (323, 9531), (330, 9552), (334, 9564), (337, 9576), (346, 9606), (348, 9612), (350, 9618), (353, 9627), (354, 9630), (360, 9648), (368, 9678), (377, 9711), (380, 9720), (386, 9732), (393, 9765), (394, 9768), (397, 9777), (403, 9798), (407, 9810), (409, 9819), (416, 9837), (421, 9852), (423, 9861), (426, 9870), (433, 9891), (434, 9894), (437, 9903), (442, 9918), (444, 9924), (446, 9933), (453, 9957), (462, 9981), (467, 9999), (473, 10017), (475, 10023), (476, 10026), (480, 10038), (481, 10044), (486, 10065), (488, 10071), (492, 10080), (495, 10089), (496, 10092), (498, 10098), (502, 10113), (505, 10122), (506, 10125), (515, 10152), (523, 10179), (526, 10188), (529, 10197), (530, 10200), (535, 10218), (537, 10227), (538, 10230), (547, 10251), (554, 10272), (565, 10308), (582, 10362), (587,

10374), (592, 10383), (597, 10392), (620, 10482), (624, 10494), (632, 10524), (646, 10581), (650, 10599), (651, 10602), (652, 10611), (659, 10644), (679, 10713), (680, 10722), (688, 10734), (691, 10746), (693, 10755), (694, 10758), (711, 10809), (713, 10818), (714, 10821), (715, 10824), (719, 10842), (725, 10878), (730, 10899), (733, 10908), (737, 10920), (741, 10941), (742, 10944), (744, 10968), (755, 11007), (762, 11037), (764, 11043), (765, 11052), (767, 11061), (774, 11085), (780, 11103), (784, 11115), (799, 11169), (801, 11172), (825, 11247), (830, 11256), (832, 11265),

Gene: PHL037M02_14 Start: 8521, Stop: 11286, Start Num: 62

Candidate Starts for PHL037M02_14:

(Start: 62 @8521 has 45 MA's), (66, 8548), (68, 8554), (70, 8566), (80, 8611), (90, 8656), (92, 8662), (101, 8683), (102, 8686), (116, 8734), (123, 8764), (130, 8800), (139, 8833), (143, 8854), (147, 8875), (153, 8905), (156, 8920), (160, 8938), (164, 8947), (166, 8950), (170, 8968), (181, 9022), (182, 9025), (185, 9040), (187, 9055), (188, 9058), (191, 9070), (197, 9085), (199, 9094), (209, 9130), (212, 9139), (213, 9142), (222, 9184), (224, 9196), (234, 9241), (238, 9262), (243, 9286), (249, 9307), (255, 9328), (266, 9361), (271, 9370), (283, 9403), (285, 9406), (290, 9418), (293, 9436), (295, 9445), (299, 9457), (301, 9469), (305, 9481), (313, 9511), (314, 9517), (318, 9532), (319, 9538), (323, 9547), (330, 9568), (334, 9580), (337, 9592), (346, 9622), (348, 9628), (350, 9634), (360, 9664), (368, 9694), (377, 9727), (380, 9736), (386, 9748), (393, 9781), (394, 9784), (397, 9793), (399, 9799), (400, 9802), (403, 9814), (407, 9826), (412, 9844), (417, 9856), (421, 9868), (423, 9877), (426, 9886), (433, 9907), (437, 9919), (442, 9934), (444, 9940), (446, 9949), (453, 9973), (462, 9997), (467, 10015), (468, 10018), (469, 10021), (472, 10030), (473, 10033), (475, 10039), (480, 10054), (481, 10060), (487, 10084), (488, 10087), (492, 10096), (494, 10102), (495, 10105), (496, 10108), (498, 10114), (502, 10129), (505, 10138), (506, 10141), (508, 10147), (509, 10150), (515, 10168), (523, 10195), (526, 10204), (529, 10213), (530, 10216), (535, 10234), (536, 10237), (537, 10243), (547, 10267), (548, 10270), (554, 10288), (562, 10312), (565, 10324), (582, 10378), (587, 10390), (592, 10399), (597, 10408), (620, 10498), (628, 10534), (635, 10552), (646, 10597), (650, 10615), (651, 10618), (652, 10627), (659, 10660), (669, 10687), (679, 10729), (680, 10738), (688, 10750), (691, 10762), (711, 10825), (714, 10837), (715, 10840), (719, 10858), (720, 10861), (721, 10870), (725, 10894), (730, 10915), (733, 10924), (737, 10936), (741, 10957), (742, 10960), (744, 10984), (755, 11023), (762, 11053), (764, 11059), (765, 11068), (774, 11101), (780, 11119), (784, 11131), (799, 11185), (801, 11188), (804, 11194), (825, 11263), (830, 11272), (832, 11281),

Gene: PHL060L00_14 Start: 8521, Stop: 11286, Start Num: 62

Candidate Starts for PHL060L00_14:

(Start: 62 @8521 has 45 MA's), (66, 8548), (68, 8554), (70, 8566), (76, 8599), (79, 8608), (80, 8611), (87, 8641), (90, 8656), (92, 8662), (101, 8683), (102, 8686), (116, 8734), (123, 8764), (130, 8800), (139, 8833), (143, 8854), (147, 8875), (153, 8905), (156, 8920), (160, 8938), (164, 8947), (166, 8950), (170, 8968), (182, 9025), (185, 9040), (187, 9055), (188, 9058), (191, 9070), (197, 9085), (200, 9097), (209, 9130), (212, 9139), (213, 9142), (222, 9184), (224, 9196), (234, 9241), (240, 9271), (243, 9286), (246, 9298), (255, 9328), (266, 9361), (271, 9370), (276, 9382), (283, 9403), (285, 9406), (290, 9418), (293, 9436), (295, 9445), (299, 9457), (301, 9469), (307, 9490), (314, 9517), (318, 9532), (319, 9538), (323, 9547), (330, 9568), (346, 9622), (348, 9628), (350, 9634), (354, 9646), (360, 9664), (368, 9694), (377, 9727), (380, 9736), (386, 9748), (393, 9781), (394, 9784), (397, 9793), (403, 9814), (407, 9826), (409, 9835), (420, 9865), (423, 9877), (426, 9886), (433, 9907), (437, 9919), (442, 9934), (446, 9949), (452, 9967), (461, 9994), (467, 10015), (468, 10018), (469, 10021), (471, 10027), (473, 10033), (481, 10060), (486, 10081), (488, 10087), (491, 10093), (495, 10105), (496, 10108), (499, 10117), (502, 10129), (506, 10141), (509, 10150), (515, 10168), (521, 10189), (523, 10195), (526, 10204), (528, 10210), (529, 10213), (530, 10216), (535, 10234), (537, 10243), (538, 10246), (548, 10270), (554, 10288), (582, 10378), (587, 10390), (592, 10399), (597, 10408), (612, 10465), (624, 10510), (628, 10534), (635, 10552), (646, 10597), (651, 10618), (652, 10627), (659, 10660), (669, 10687), (679, 10729), (680, 10738), (688, 10750), (691, 10762), (693, 10771), (703, 10792), (710, 10816), (711, 10825), (714, 10837), (715, 10840), (719, 10858), (720, 10861), (721, 10870), (725, 10894), (730, 10915), (733, 10924), (741, 10957), (742, 10960), (744, 10984), (755, 11023), (762, 11053), (764,

11059), (765, 11068), (767, 11077), (780, 11119), (784, 11131), (799, 11185), (801, 11188), (804, 11194), (825, 11263), (830, 11272), (832, 11281),

Gene: PHL067M10_14 Start: 8488, Stop: 11253, Start Num: 62

Candidate Starts for PHL067M10_14:

(Start: 62 @8488 has 45 MA's), (66, 8515), (68, 8521), (70, 8533), (72, 8542), (79, 8575), (80, 8578), (90, 8623), (95, 8635), (101, 8650), (102, 8653), (116, 8701), (123, 8731), (128, 8758), (130, 8767), (139, 8800), (143, 8821), (147, 8842), (153, 8872), (156, 8887), (160, 8905), (164, 8914), (166, 8917), (170, 8935), (181, 8989), (182, 8992), (185, 9007), (187, 9022), (188, 9025), (191, 9037), (199, 9061), (209, 9097), (212, 9106), (213, 9109), (222, 9151), (224, 9163), (234, 9208), (243, 9253), (255, 9295), (261, 9316), (266, 9328), (271, 9337), (283, 9370), (285, 9373), (290, 9385), (293, 9403), (295, 9412), (299, 9424), (301, 9436), (307, 9457), (313, 9478), (314, 9484), (318, 9499), (319, 9505), (323, 9514), (330, 9535), (346, 9589), (348, 9595), (350, 9601), (360, 9631), (368, 9661), (371, 9673), (377, 9694), (380, 9703), (386, 9715), (393, 9748), (394, 9751), (397, 9760), (399, 9766), (407, 9793), (409, 9802), (413, 9814), (416, 9820), (421, 9835), (423, 9844), (426, 9853), (433, 9874), (437, 9886), (442, 9901), (444, 9907), (446, 9916), (453, 9940), (462, 9964), (467, 9982), (468, 9985), (469, 9988), (472, 9997), (473, 10000), (475, 10006), (476, 10009), (480, 10021), (481, 10027), (486, 10048), (488, 10054), (491, 10060), (492, 10063), (495, 10072), (496, 10075), (502, 10096), (506, 10108), (523, 10162), (526, 10171), (528, 10177), (529, 10180), (537, 10210), (538, 10213), (547, 10234), (550, 10243), (551, 10246), (554, 10255), (565, 10291), (568, 10300), (582, 10345), (587, 10357), (592, 10366), (597, 10375), (612, 10432), (620, 10465), (628, 10501), (635, 10519), (646, 10564), (650, 10582), (651, 10585), (652, 10594), (659, 10627), (679, 10696), (680, 10705), (688, 10717), (693, 10738), (710, 10783), (711, 10792), (713, 10801), (714, 10804), (715, 10807), (719, 10825), (720, 10828), (721, 10837), (725, 10861), (728, 10873), (730, 10882), (733, 10891), (741, 10924), (742, 10927), (744, 10951), (755, 10990), (762, 11020), (764, 11026), (765, 11035), (780, 11086), (784, 11098), (799, 11152), (801, 11155), (804, 11161), (825, 11230), (830, 11239), (832, 11248),

Gene: PHL071N05_14 Start: 8516, Stop: 11281, Start Num: 62

Candidate Starts for PHL071N05_14:

(Start: 62 @8516 has 45 MA's), (66, 8543), (68, 8549), (70, 8561), (72, 8570), (76, 8594), (80, 8606), (90, 8651), (92, 8657), (101, 8678), (102, 8681), (116, 8729), (123, 8759), (130, 8795), (139, 8828), (143, 8849), (147, 8870), (153, 8900), (156, 8915), (160, 8933), (164, 8942), (166, 8945), (170, 8963), (181, 9017), (182, 9020), (185, 9035), (187, 9050), (188, 9053), (191, 9065), (197, 9080), (199, 9089), (209, 9125), (212, 9134), (213, 9137), (222, 9179), (224, 9191), (234, 9236), (238, 9257), (243, 9281), (255, 9323), (266, 9356), (271, 9365), (276, 9377), (283, 9398), (285, 9401), (290, 9413), (293, 9431), (295, 9440), (299, 9452), (301, 9464), (305, 9476), (307, 9485), (313, 9506), (314, 9512), (318, 9527), (319, 9533), (323, 9542), (330, 9563), (350, 9629), (360, 9659), (368, 9689), (377, 9722), (380, 9731), (386, 9743), (394, 9779), (397, 9788), (399, 9794), (403, 9809), (407, 9821), (409, 9830), (416, 9848), (421, 9863), (423, 9872), (433, 9902), (437, 9914), (442, 9929), (444, 9935), (446, 9944), (453, 9968), (462, 9992), (467, 10010), (468, 10013), (469, 10016), (472, 10025), (473, 10028), (481, 10055), (487, 10079), (488, 10082), (492, 10091), (495, 10100), (496, 10103), (498, 10109), (502, 10124), (506, 10136), (508, 10142), (518, 10175), (523, 10190), (526, 10199), (528, 10205), (529, 10208), (530, 10211), (535, 10229), (537, 10238), (538, 10241), (547, 10262), (548, 10265), (551, 10274), (554, 10283), (565, 10319), (582, 10373), (587, 10385), (592, 10394), (597, 10403), (616, 10478), (620, 10493), (624, 10505), (635, 10547), (646, 10592), (650, 10610), (651, 10613), (652, 10622), (659, 10655), (669, 10682), (679, 10724), (680, 10733), (688, 10745), (691, 10757), (693, 10766), (703, 10787), (711, 10820), (713, 10829), (714, 10832), (715, 10835), (719, 10853), (720, 10856), (721, 10865), (725, 10889), (727, 10898), (728, 10901), (730, 10910), (733, 10919), (741, 10952), (742, 10955), (744, 10979), (755, 11018), (762, 11048), (764, 11054), (765, 11063), (767, 11072), (774, 11096), (780, 11114), (784, 11126), (799, 11180), (801, 11183), (804, 11189), (825, 11258), (830, 11267), (832, 11276),

Gene: PHL111M01_14 Start: 8506, Stop: 11271, Start Num: 62

Candidate Starts for PHL111M01_14:

(Start: 62 @8506 has 45 MA's), (66, 8533), (68, 8539), (70, 8551), (72, 8560), (79, 8593), (80, 8596), (87, 8626), (90, 8641), (92, 8647), (101, 8668), (102, 8671), (116, 8719), (123, 8749), (130, 8785), (139, 8818), (143, 8839), (147, 8860), (153, 8890), (156, 8905), (160, 8923), (164, 8932), (166, 8935), (170, 8953), (181, 9007), (182, 9010), (185, 9025), (187, 9040), (188, 9043), (191, 9055), (199, 9079), (209, 9115), (212, 9124), (213, 9127), (222, 9169), (224, 9181), (234, 9226), (243, 9271), (249, 9292), (255, 9313), (266, 9346), (271, 9355), (283, 9388), (285, 9391), (290, 9403), (293, 9421), (295, 9430), (299, 9442), (301, 9454), (305, 9466), (307, 9475), (313, 9496), (314, 9502), (318, 9517), (319, 9523), (323, 9532), (330, 9553), (337, 9577), (346, 9607), (348, 9613), (350, 9619), (353, 9628), (354, 9631), (360, 9649), (368, 9679), (377, 9712), (386, 9733), (393, 9766), (394, 9769), (397, 9778), (399, 9784), (400, 9787), (403, 9799), (407, 9811), (421, 9853), (423, 9862), (433, 9892), (434, 9895), (437, 9904), (442, 9919), (444, 9925), (446, 9934), (453, 9958), (461, 9979), (462, 9982), (467, 10000), (468, 10003), (472, 10015), (473, 10018), (475, 10024), (476, 10027), (481, 10045), (486, 10066), (488, 10072), (491, 10078), (492, 10081), (495, 10090), (496, 10093), (498, 10099), (502, 10114), (506, 10126), (508, 10132), (521, 10174), (523, 10180), (526, 10189), (528, 10195), (529, 10198), (530, 10201), (535, 10219), (537, 10228), (538, 10231), (548, 10255), (554, 10273), (582, 10363), (587, 10375), (592, 10384), (597, 10393), (624, 10495), (628, 10519), (635, 10537), (646, 10582), (651, 10603), (652, 10612), (659, 10645), (669, 10672), (679, 10714), (680, 10723), (688, 10735), (691, 10747), (693, 10756), (703, 10777), (711, 10810), (714, 10822), (715, 10825), (719, 10843), (720, 10846), (721, 10855), (725, 10879), (727, 10888), (728, 10891), (730, 10900), (733, 10909), (741, 10942), (742, 10945), (744, 10969), (755, 11008), (762, 11038), (764, 11044), (767, 11062), (780, 11104), (784, 11116), (799, 11170), (801, 11173), (804, 11179), (825, 11248), (830, 11257), (832, 11266),

Gene: PHL112N00_14 Start: 8502, Stop: 11267, Start Num: 62

Candidate Starts for PHL112N00_14:

(Start: 62 @8502 has 45 MA's), (66, 8529), (68, 8535), (70, 8547), (72, 8556), (79, 8589), (80, 8592), (90, 8637), (92, 8643), (95, 8649), (101, 8664), (102, 8667), (116, 8715), (123, 8745), (128, 8772), (130, 8781), (139, 8814), (143, 8835), (147, 8856), (153, 8886), (156, 8901), (160, 8919), (164, 8928), (166, 8931), (170, 8949), (181, 9003), (182, 9006), (185, 9021), (187, 9036), (188, 9039), (191, 9051), (197, 9066), (199, 9075), (209, 9111), (212, 9120), (213, 9123), (222, 9165), (224, 9177), (234, 9222), (243, 9267), (255, 9309), (261, 9330), (266, 9342), (271, 9351), (283, 9384), (285, 9387), (290, 9399), (293, 9417), (295, 9426), (299, 9438), (301, 9450), (305, 9462), (307, 9471), (314, 9498), (318, 9513), (319, 9519), (323, 9528), (330, 9549), (335, 9567), (337, 9573), (346, 9603), (348, 9609), (350, 9615), (354, 9627), (360, 9645), (368, 9675), (377, 9708), (380, 9717), (386, 9729), (393, 9762), (394, 9765), (397, 9774), (403, 9795), (407, 9807), (420, 9846), (423, 9858), (433, 9888), (437, 9900), (442, 9915), (446, 9930), (461, 9975), (467, 9996), (468, 9999), (469, 10002), (471, 10008), (473, 10014), (481, 10041), (486, 10062), (488, 10068), (491, 10074), (492, 10077), (495, 10086), (496, 10089), (498, 10095), (502, 10110), (506, 10122), (509, 10131), (515, 10149), (521, 10170), (523, 10176), (526, 10185), (528, 10191), (529, 10194), (530, 10197), (535, 10215), (537, 10224), (538, 10227), (548, 10251), (554, 10269), (582, 10359), (587, 10371), (592, 10380), (597, 10389), (620, 10479), (624, 10491), (635, 10533), (646, 10578), (651, 10599), (652, 10608), (659, 10641), (669, 10668), (679, 10710), (680, 10719), (688, 10731), (691, 10743), (693, 10752), (703, 10773), (711, 10806), (713, 10815), (714, 10818), (715, 10821), (719, 10839), (720, 10842), (721, 10851), (725, 10875), (728, 10887), (730, 10896), (733, 10905), (742, 10941), (744, 10965), (755, 11004), (762, 11034), (764, 11040), (765, 11049), (767, 11058), (780, 11100), (784, 11112), (799, 11166), (801, 11169), (804, 11175), (825, 11244), (830, 11253), (832, 11262),

Gene: PHL113M01_14 Start: 8530, Stop: 11295, Start Num: 62

Candidate Starts for PHL113M01_14:

(Start: 62 @8530 has 45 MA's), (66, 8557), (68, 8563), (70, 8575), (72, 8584), (79, 8617), (80, 8620), (90, 8665), (92, 8671), (101, 8692), (102, 8695), (116, 8743), (123, 8773), (128, 8800), (130, 8809), (139, 8842), (143, 8863), (147, 8884), (156, 8929), (160, 8947), (164, 8956), (166, 8959), (170, 8977),

(181, 9031), (182, 9034), (185, 9049), (187, 9064), (188, 9067), (191, 9079), (199, 9103), (209, 9139), (212, 9148), (213, 9151), (222, 9193), (224, 9205), (234, 9250), (238, 9271), (243, 9295), (249, 9316), (255, 9337), (266, 9370), (271, 9379), (283, 9412), (285, 9415), (290, 9427), (293, 9445), (295, 9454), (299, 9466), (301, 9478), (305, 9490), (307, 9499), (313, 9520), (314, 9526), (318, 9541), (319, 9547), (323, 9556), (330, 9577), (346, 9631), (348, 9637), (350, 9643), (353, 9652), (354, 9655), (360, 9673), (368, 9703), (371, 9715), (377, 9736), (380, 9745), (386, 9757), (393, 9790), (394, 9793), (397, 9802), (403, 9823), (407, 9835), (420, 9874), (423, 9886), (426, 9895), (433, 9916), (437, 9928), (442, 9943), (446, 9958), (461, 10003), (467, 10024), (468, 10027), (469, 10030), (471, 10036), (473, 10042), (481, 10069), (488, 10096), (491, 10102), (495, 10114), (496, 10117), (499, 10126), (502, 10138), (506, 10150), (509, 10159), (515, 10177), (521, 10198), (523, 10204), (526, 10213), (528, 10219), (529, 10222), (530, 10225), (535, 10243), (537, 10252), (538, 10255), (548, 10279), (554, 10297), (582, 10387), (587, 10399), (592, 10408), (597, 10417), (624, 10519), (628, 10543), (635, 10561), (646, 10606), (651, 10627), (652, 10636), (659, 10669), (669, 10696), (679, 10738), (680, 10747), (688, 10759), (691, 10771), (693, 10780), (711, 10834), (713, 10843), (714, 10846), (715, 10849), (719, 10867), (720, 10870), (721, 10879), (725, 10903), (730, 10924), (733, 10933), (742, 10969), (744, 10993), (755, 11032), (762, 11062), (764, 11068), (765, 11077), (767, 11086), (774, 11110), (780, 11128), (784, 11140), (799, 11194), (801, 11197), (825, 11272), (830, 11281), (832, 11290),

Gene: PHL114L00_14 Start: 8508, Stop: 11273, Start Num: 62

Candidate Starts for PHL114L00_14:

(Start: 62 @8508 has 45 MA's), (66, 8535), (68, 8541), (70, 8553), (72, 8562), (80, 8598), (87, 8628), (90, 8643), (92, 8649), (101, 8670), (102, 8673), (116, 8721), (123, 8751), (130, 8787), (139, 8820), (143, 8841), (147, 8862), (153, 8892), (156, 8907), (160, 8925), (164, 8934), (166, 8937), (170, 8955), (182, 9012), (185, 9027), (187, 9042), (188, 9045), (191, 9057), (193, 9066), (197, 9072), (198, 9075), (200, 9084), (209, 9117), (212, 9126), (213, 9129), (222, 9171), (224, 9183), (234, 9228), (243, 9273), (249, 9294), (255, 9315), (266, 9348), (271, 9357), (276, 9369), (283, 9390), (285, 9393), (290, 9405), (293, 9423), (295, 9432), (299, 9444), (301, 9456), (307, 9477), (313, 9498), (318, 9519), (319, 9525), (323, 9534), (330, 9555), (337, 9579), (346, 9609), (348, 9615), (350, 9621), (354, 9633), (360, 9651), (368, 9681), (377, 9714), (380, 9723), (386, 9735), (394, 9771), (397, 9780), (407, 9813), (409, 9822), (416, 9840), (421, 9855), (423, 9864), (433, 9894), (437, 9906), (442, 9921), (444, 9927), (446, 9936), (453, 9960), (462, 9984), (467, 10002), (473, 10020), (475, 10026), (476, 10029), (479, 10038), (480, 10041), (481, 10047), (486, 10068), (488, 10074), (492, 10083), (494, 10089), (495, 10092), (496, 10095), (498, 10101), (502, 10116), (506, 10128), (515, 10155), (521, 10176), (523, 10182), (526, 10191), (530, 10203), (535, 10221), (536, 10224), (537, 10230), (538, 10233), (542, 10245), (547, 10254), (548, 10257), (551, 10266), (554, 10275), (565, 10311), (582, 10365), (585, 10374), (587, 10377), (592, 10386), (597, 10395), (624, 10497), (635, 10539), (646, 10584), (650, 10602), (651, 10605), (652, 10614), (659, 10647), (676, 10701), (679, 10716), (680, 10725), (688, 10737), (691, 10749), (693, 10758), (711, 10812), (714, 10824), (715, 10827), (719, 10845), (720, 10848), (721, 10857), (725, 10881), (727, 10890), (728, 10893), (730, 10902), (733, 10911), (737, 10923), (741, 10944), (742, 10947), (744, 10971), (755, 11010), (762, 11040), (764, 11046), (765, 11055), (767, 11064), (780, 11106), (784, 11118), (794, 11154), (799, 11172), (801, 11175), (804, 11181), (825, 11250), (830, 11259), (832, 11268),

Gene: PandaPo_16 Start: 10713, Stop: 12947, Start Num: 61

Candidate Starts for PandaPo_16:

(Start: 61 @10713 has 156 MA's), (97, 10869), (101, 10878), (110, 10905), (122, 10959), (124, 10971), (137, 11019), (162, 11136), (181, 11217), (182, 11220), (187, 11250), (215, 11334), (228, 11391), (234, 11415), (247, 11475), (275, 11544), (282, 11562), (316, 11613), (333, 11634), (342, 11655), (409, 11700), (444, 11796), (446, 11805), (462, 11853), (464, 11862), (494, 11949), (530, 12063), (559, 12150), (574, 12195), (579, 12210), (643, 12330), (646, 12342), (662, 12408), (674, 12450), (686, 12462), (707, 12486), (712, 12507), (714, 12516), (719, 12537), (726, 12579), (748, 12669), (755, 12699), (769, 12753), (821, 12882),

Gene: PartyCup_18 Start: 12644, Stop: 15199, Start Num: 61

Candidate Starts for PartyCup_18:

(55, 12623), (Start: 61 @12644 has 156 MA's), (70, 12692), (88, 12773), (93, 12797), (114, 12869), (126, 12917), (128, 12932), (129, 12938), (168, 13100), (178, 13145), (189, 13196), (190, 13199), (201, 13229), (236, 13367), (270, 13490), (294, 13550), (300, 13568), (303, 13583), (317, 13634), (390, 13865), (409, 13934), (418, 13958), (424, 13976), (426, 13982), (444, 14036), (447, 14048), (453, 14069), (462, 14093), (487, 14180), (495, 14204), (497, 14210), (498, 14213), (501, 14225), (508, 14246), (509, 14249), (511, 14255), (513, 14261), (518, 14279), (519, 14282), (521, 14288), (535, 14333), (537, 14342), (543, 14360), (552, 14381), (555, 14390), (558, 14399), (568, 14432), (569, 14435), (571, 14444), (572, 14447), (591, 14498), (643, 14588), (672, 14696), (674, 14708), (689, 14729), (692, 14732), (724, 14828), (725, 14831), (739, 14885), (745, 14924), (759, 14981), (772, 15023), (789, 15071), (802, 15113), (814, 15143),

Gene: Paschalis_35 Start: 20626, Stop: 23493, Start Num: 60

Candidate Starts for Paschalis_35:

(Start: 60 @20626 has 54 MA's), (65, 20650), (141, 20959), (188, 21175), (202, 21229), (207, 21250), (215, 21280), (242, 21412), (248, 21433), (272, 21499), (278, 21514), (300, 21577), (313, 21628), (316, 21640), (333, 21691), (339, 21715), (341, 21718), (345, 21733), (353, 21757), (363, 21793), (369, 21814), (397, 21907), (406, 21937), (421, 21982), (448, 22072), (457, 22099), (526, 22318), (529, 22327), (531, 22333), (550, 22393), (555, 22408), (560, 22423), (580, 22489), (593, 22519), (597, 22528), (603, 22549), (611, 22579), (635, 22660), (645, 22702), (649, 22720), (653, 22738), (654, 22744), (671, 22795), (687, 22876), (696, 22909), (698, 22924), (706, 22987), (707, 22990), (712, 23011), (714, 23020), (722, 23056), (729, 23095), (747, 23170), (753, 23194), (759, 23224), (765, 23248), (811, 23398), (812, 23401),

Gene: Percival_15 Start: 10890, Stop: 13811, Start Num: 16

Candidate Starts for Percival_15:

(Start: 16 @10890 has 7 MA's), (29, 11073), (32, 11097), (49, 11169), (73, 11277), (86, 11337), (134, 11532), (164, 11667), (171, 11691), (172, 11694), (205, 11820), (208, 11829), (220, 11871), (235, 11937), (279, 12084), (298, 12144), (331, 12243), (347, 12294), (381, 12324), (423, 12408), (442, 12459), (452, 12492), (513, 12690), (541, 12783), (552, 12810), (563, 12843), (569, 12864), (579, 12897), (591, 12927), (607, 12975), (619, 13026), (645, 13158), (707, 13305), (738, 13437), (759, 13539), (776, 13596), (779, 13605), (808, 13698), (824, 13740), (835, 13776),

Gene: PermaG_20 Start: 13551, Stop: 15539, Start Num: 67

Candidate Starts for PermaG_20:

(Start: 67 @13551 has 19 MA's), (76, 13590), (111, 13701), (117, 13716), (120, 13728), (162, 13920), (170, 13944), (179, 13986), (203, 14076), (206, 14085), (217, 14127), (230, 14193), (250, 14274), (254, 14289), (268, 14313), (313, 14385), (325, 14400), (378, 14502), (390, 14526), (415, 14595), (425, 14628), (457, 14694), (522, 14826), (566, 14853), (603, 14925), (636, 14958), (644, 14985), (645, 14991), (652, 15024), (740, 15246), (745, 15282), (754, 15312), (768, 15372), (822, 15513),

Gene: PhedwardCullen_35 Start: 20371, Stop: 23238, Start Num: 60

Candidate Starts for PhedwardCullen_35:

(Start: 60 @20371 has 54 MA's), (65, 20395), (141, 20704), (188, 20920), (202, 20974), (207, 20995), (215, 21025), (242, 21157), (248, 21178), (272, 21244), (278, 21259), (300, 21322), (313, 21373), (316, 21385), (333, 21436), (339, 21460), (341, 21463), (345, 21478), (353, 21502), (363, 21538), (369, 21559), (397, 21652), (402, 21670), (421, 21727), (448, 21817), (457, 21844), (502, 21988), (515, 22027), (522, 22051), (526, 22063), (529, 22072), (540, 22111), (543, 22120), (551, 22141), (567, 22192), (575, 22219), (581, 22237), (602, 22291), (604, 22300), (609, 22318), (611, 22324), (614, 22336), (633, 22396), (635, 22405), (645, 22447), (649, 22465), (653, 22483), (654, 22489), (671, 22540), (687, 22621), (696, 22654), (698, 22669), (706, 22732), (707, 22735), (712, 22756), (714, 22765), (722, 22801), (729, 22840), (747, 22915), (753, 22939), (759, 22969), (765, 22993),

(811, 23143), (812, 23146),

Gene: Phives_17 Start: 11806, Stop: 14130, Start Num: 61

Candidate Starts for Phives_17:

(Start: 61 @11806 has 156 MA's), (97, 11962), (101, 11971), (122, 12052), (137, 12112), (146, 12157), (162, 12229), (176, 12289), (181, 12310), (182, 12313), (187, 12343), (206, 12397), (215, 12427), (228, 12484), (234, 12508), (247, 12568), (249, 12574), (344, 12793), (433, 12922), (444, 12952), (446, 12961), (462, 13009), (468, 13030), (481, 13063), (494, 13105), (506, 13144), (525, 13204), (530, 13219), (556, 13297), (575, 13354), (635, 13453), (637, 13465), (640, 13474), (648, 13507), (655, 13540), (656, 13543), (672, 13594), (724, 13726), (725, 13729), (750, 13840), (759, 13879), (777, 13939), (796, 13990), (809, 14029),

Gene: Phorgeous_35 Start: 20480, Stop: 23347, Start Num: 60

Candidate Starts for Phorgeous_35:

(Start: 60 @20480 has 54 MA's), (65, 20504), (141, 20813), (188, 21029), (202, 21083), (207, 21104), (215, 21134), (242, 21266), (248, 21287), (272, 21353), (278, 21368), (300, 21431), (313, 21482), (316, 21494), (333, 21545), (339, 21569), (341, 21572), (345, 21587), (353, 21611), (363, 21647), (369, 21668), (397, 21761), (402, 21779), (406, 21791), (421, 21836), (448, 21926), (457, 21953), (502, 22097), (515, 22136), (522, 22160), (526, 22172), (529, 22181), (540, 22220), (543, 22229), (551, 22250), (567, 22301), (575, 22328), (581, 22346), (602, 22400), (604, 22409), (609, 22427), (611, 22433), (614, 22445), (633, 22505), (635, 22514), (645, 22556), (649, 22574), (653, 22592), (654, 22598), (671, 22649), (687, 22730), (696, 22763), (698, 22778), (706, 22841), (707, 22844), (712, 22865), (714, 22874), (722, 22910), (729, 22949), (747, 23024), (753, 23048), (759, 23078), (765, 23102), (811, 23252), (812, 23255),

Gene: Phrancesco_36 Start: 20758, Stop: 23625, Start Num: 60

Candidate Starts for Phrancesco_36:

(Start: 60 @20758 has 54 MA's), (65, 20782), (141, 21091), (188, 21307), (202, 21361), (207, 21382), (215, 21412), (242, 21544), (248, 21565), (272, 21631), (278, 21646), (300, 21709), (313, 21760), (316, 21772), (333, 21823), (339, 21847), (341, 21850), (345, 21865), (353, 21889), (363, 21925), (369, 21946), (397, 22039), (402, 22057), (406, 22069), (421, 22114), (448, 22204), (457, 22231), (502, 22375), (515, 22414), (522, 22438), (526, 22450), (529, 22459), (540, 22498), (543, 22507), (551, 22528), (567, 22579), (575, 22606), (581, 22624), (602, 22678), (604, 22687), (609, 22705), (611, 22711), (614, 22723), (633, 22783), (635, 22792), (645, 22834), (649, 22852), (653, 22870), (654, 22876), (671, 22927), (687, 23008), (696, 23041), (698, 23056), (706, 23119), (707, 23122), (712, 23143), (714, 23152), (722, 23188), (729, 23227), (747, 23302), (753, 23326), (759, 23356), (765, 23380), (811, 23530), (812, 23533),

Gene: PierreOrion_36 Start: 20781, Stop: 23648, Start Num: 60

Candidate Starts for PierreOrion_36:

(Start: 60 @20781 has 54 MA's), (65, 20805), (141, 21114), (188, 21330), (202, 21384), (207, 21405), (215, 21435), (242, 21567), (248, 21588), (272, 21654), (278, 21669), (300, 21732), (313, 21783), (316, 21795), (333, 21846), (339, 21870), (341, 21873), (345, 21888), (353, 21912), (363, 21948), (369, 21969), (397, 22062), (406, 22092), (421, 22137), (448, 22227), (457, 22254), (526, 22473), (529, 22482), (531, 22488), (550, 22548), (555, 22563), (560, 22578), (580, 22644), (593, 22674), (597, 22683), (603, 22704), (611, 22734), (635, 22815), (645, 22857), (649, 22875), (653, 22893), (654, 22899), (671, 22950), (687, 23031), (696, 23064), (698, 23079), (706, 23142), (707, 23145), (712, 23166), (714, 23175), (722, 23211), (729, 23250), (747, 23325), (753, 23349), (759, 23379), (765, 23403), (780, 23454), (811, 23553), (812, 23556),

Gene: PinkFriday_14 Start: 9750, Stop: 12308, Start Num: 61

Candidate Starts for PinkFriday_14:

(Start: 61 @9750 has 156 MA's), (64, 9759), (88, 9879), (126, 10023), (128, 10038), (168, 10206), (189, 10302), (206, 10347), (219, 10392), (262, 10575), (270, 10596), (274, 10605), (277, 10611), (281, 10623), (294, 10656), (317, 10743), (408, 11037), (416, 11058), (418, 11064), (424, 11082), (426, 11088), (434, 11112), (452, 11169), (461, 11196), (470, 11226), (472, 11232), (486, 11283), (491, 11298), (495, 11310), (498, 11319), (500, 11328), (509, 11355), (513, 11367), (516, 11376), (519, 11388), (521, 11394), (537, 11448), (543, 11466), (551, 11484), (552, 11487), (555, 11496), (558, 11505), (562, 11517), (568, 11538), (569, 11541), (572, 11553), (577, 11568), (607, 11652), (608, 11658), (643, 11694), (656, 11751), (672, 11802), (674, 11814), (710, 11859), (724, 11934), (725, 11937), (733, 11967), (734, 11970), (745, 12030), (750, 12048), (757, 12078), (759, 12087), (765, 12111), (768, 12123), (802, 12219), (814, 12249),

Gene: PiperSansNom_36 Start: 20933, Stop: 23800, Start Num: 60

Candidate Starts for PiperSansNom_36:

(Start: 60 @20933 has 54 MA's), (65, 20957), (141, 21266), (188, 21482), (202, 21536), (207, 21557), (215, 21587), (242, 21719), (248, 21740), (272, 21806), (278, 21821), (300, 21884), (313, 21935), (316, 21947), (333, 21998), (339, 22022), (341, 22025), (345, 22040), (353, 22064), (363, 22100), (369, 22121), (397, 22214), (402, 22232), (406, 22244), (421, 22289), (448, 22379), (457, 22406), (502, 22550), (515, 22589), (522, 22613), (526, 22625), (529, 22634), (540, 22673), (543, 22682), (551, 22703), (567, 22754), (575, 22781), (581, 22799), (602, 22853), (604, 22862), (609, 22880), (611, 22886), (614, 22898), (633, 22958), (635, 22967), (645, 23009), (649, 23027), (653, 23045), (654, 23051), (671, 23102), (687, 23183), (696, 23216), (698, 23231), (706, 23294), (707, 23297), (712, 23318), (714, 23327), (722, 23363), (729, 23402), (747, 23477), (753, 23501), (759, 23531), (765, 23555), (811, 23705), (812, 23708),

Gene: Piperis_36 Start: 20603, Stop: 23470, Start Num: 60

Candidate Starts for Piperis_36:

(Start: 60 @20603 has 54 MA's), (65, 20627), (141, 20936), (188, 21152), (202, 21206), (207, 21227), (215, 21257), (242, 21389), (248, 21410), (272, 21476), (278, 21491), (300, 21554), (313, 21605), (316, 21617), (333, 21668), (339, 21692), (341, 21695), (345, 21710), (353, 21734), (363, 21770), (369, 21791), (397, 21884), (402, 21902), (406, 21914), (421, 21959), (448, 22049), (457, 22076), (502, 22220), (515, 22259), (522, 22283), (526, 22295), (529, 22304), (540, 22343), (543, 22352), (551, 22373), (567, 22424), (575, 22451), (581, 22469), (602, 22523), (604, 22532), (609, 22550), (611, 22556), (614, 22568), (633, 22628), (635, 22637), (645, 22679), (649, 22697), (653, 22715), (654, 22721), (671, 22772), (687, 22853), (696, 22886), (698, 22901), (706, 22964), (707, 22967), (712, 22988), (714, 22997), (722, 23033), (729, 23072), (747, 23147), (753, 23171), (759, 23201), (765, 23225), (811, 23375), (812, 23378),

Gene: Pirate_14 Start: 8499, Stop: 11264, Start Num: 62

Candidate Starts for Pirate_14:

(Start: 62 @8499 has 45 MA's), (66, 8526), (68, 8532), (70, 8544), (72, 8553), (80, 8589), (90, 8634), (92, 8640), (101, 8661), (102, 8664), (116, 8712), (123, 8742), (130, 8778), (139, 8811), (143, 8832), (147, 8853), (153, 8883), (156, 8898), (160, 8916), (164, 8925), (166, 8928), (170, 8946), (182, 9003), (185, 9018), (187, 9033), (188, 9036), (191, 9048), (197, 9063), (199, 9072), (209, 9108), (212, 9117), (213, 9120), (222, 9162), (224, 9174), (234, 9219), (243, 9264), (249, 9285), (255, 9306), (266, 9339), (271, 9348), (283, 9381), (285, 9384), (290, 9396), (293, 9414), (295, 9423), (299, 9435), (301, 9447), (305, 9459), (313, 9489), (314, 9495), (318, 9510), (319, 9516), (323, 9525), (330, 9546), (346, 9600), (348, 9606), (350, 9612), (360, 9642), (368, 9672), (377, 9705), (380, 9714), (386, 9726), (393, 9759), (394, 9762), (397, 9771), (399, 9777), (400, 9780), (403, 9792), (407, 9804), (412, 9822), (417, 9834), (421, 9846), (423, 9855), (426, 9864), (433, 9885), (437, 9897), (442, 9912), (444, 9918), (446, 9927), (452, 9945), (453, 9951), (462, 9975), (467, 9993), (468, 9996), (469, 9999), (472, 10008), (473, 10011), (475, 10017), (480, 10032), (481, 10038), (487, 10062), (488, 10065), (492, 10074), (494, 10080), (495, 10083), (496, 10086), (498, 10092), (502, 10107), (506, 10119), (509, 10128), (523, 10173), (526, 10182), (528, 10188), (529, 10191), (530, 10194), (535, 10212), (536, 10215), (537,

10221), (538, 10224), (547, 10245), (548, 10248), (554, 10266), (565, 10302), (582, 10356), (587, 10368), (592, 10377), (597, 10386), (620, 10476), (624, 10488), (628, 10512), (632, 10518), (646, 10575), (651, 10596), (652, 10605), (659, 10638), (669, 10665), (679, 10707), (680, 10716), (688, 10728), (691, 10740), (693, 10749), (711, 10803), (713, 10812), (714, 10815), (715, 10818), (719, 10836), (720, 10839), (721, 10848), (725, 10872), (730, 10893), (733, 10902), (737, 10914), (741, 10935), (742, 10938), (744, 10962), (751, 10989), (755, 11001), (762, 11031), (764, 11037), (765, 11046), (767, 11055), (774, 11079), (780, 11097), (784, 11109), (794, 11145), (799, 11163), (801, 11166), (825, 11241), (830, 11250), (832, 11259),

Gene: PitaDog_14 Start: 9708, Stop: 12269, Start Num: 61

Candidate Starts for PitaDog_14:

(55, 9687), (Start: 61 @9708 has 156 MA's), (70, 9756), (88, 9837), (93, 9861), (114, 9933), (126, 9981), (128, 9996), (129, 10002), (168, 10164), (189, 10260), (201, 10293), (236, 10431), (255, 10509), (270, 10554), (274, 10563), (294, 10614), (300, 10632), (309, 10668), (375, 10884), (402, 10974), (408, 10995), (418, 11022), (424, 11040), (426, 11046), (434, 11070), (437, 11079), (452, 11127), (461, 11154), (470, 11184), (486, 11241), (491, 11256), (495, 11268), (497, 11274), (498, 11277), (500, 11286), (509, 11313), (513, 11325), (516, 11334), (519, 11346), (521, 11352), (529, 11376), (535, 11397), (537, 11406), (542, 11421), (552, 11445), (558, 11463), (568, 11496), (569, 11499), (572, 11511), (608, 11616), (643, 11652), (672, 11760), (674, 11772), (692, 11796), (724, 11892), (725, 11895), (734, 11928), (739, 11949), (745, 11988), (750, 12006), (757, 12036), (759, 12045), (765, 12069), (790, 12144), (814, 12210),

Gene: Pixelle_16 Start: 10749, Stop: 13073, Start Num: 61

Candidate Starts for Pixelle_16:

(Start: 61 @10749 has 156 MA's), (97, 10905), (101, 10914), (122, 10995), (137, 11055), (146, 11100), (162, 11172), (181, 11253), (182, 11256), (187, 11286), (206, 11340), (215, 11370), (228, 11427), (234, 11451), (245, 11505), (247, 11511), (249, 11517), (344, 11736), (446, 11904), (462, 11952), (468, 11973), (481, 12006), (494, 12048), (506, 12087), (525, 12147), (530, 12162), (552, 12228), (597, 12351), (640, 12417), (642, 12426), (655, 12483), (656, 12486), (672, 12537), (724, 12669), (725, 12672), (750, 12783), (759, 12822), (765, 12846), (809, 12972),

Gene: Potatoes_18 Start: 12619, Stop: 15180, Start Num: 61

Candidate Starts for Potatoes_18:

(55, 12598), (Start: 61 @12619 has 156 MA's), (70, 12667), (76, 12700), (88, 12748), (93, 12772), (95, 12784), (114, 12844), (126, 12892), (128, 12907), (129, 12913), (156, 13033), (168, 13075), (188, 13168), (189, 13171), (190, 13174), (201, 13204), (218, 13258), (249, 13399), (255, 13420), (262, 13444), (270, 13465), (274, 13474), (294, 13525), (300, 13543), (306, 13567), (356, 13729), (399, 13873), (408, 13906), (418, 13933), (424, 13951), (426, 13957), (434, 13981), (437, 13990), (452, 14038), (461, 14065), (468, 14089), (470, 14095), (472, 14101), (486, 14152), (491, 14167), (495, 14179), (497, 14185), (498, 14188), (500, 14197), (509, 14224), (513, 14236), (516, 14245), (519, 14257), (521, 14263), (528, 14284), (537, 14317), (552, 14356), (568, 14407), (569, 14410), (571, 14419), (572, 14422), (577, 14437), (607, 14521), (608, 14527), (643, 14563), (672, 14671), (674, 14683), (692, 14707), (724, 14803), (725, 14806), (739, 14860), (745, 14899), (757, 14947), (759, 14956), (765, 14980), (772, 14998), (789, 15049), (797, 15073), (802, 15091), (814, 15121),

Gene: Powerpuff_16 Start: 10781, Stop: 13096, Start Num: 61

Candidate Starts for Powerpuff_16:

(Start: 61 @10781 has 156 MA's), (97, 10937), (101, 10946), (122, 11027), (124, 11039), (137, 11087), (138, 11090), (146, 11132), (162, 11204), (181, 11285), (182, 11288), (187, 11318), (206, 11372), (215, 11402), (228, 11459), (234, 11483), (247, 11543), (344, 11768), (421, 11864), (444, 11927), (446, 11936), (462, 11984), (464, 11993), (468, 12005), (481, 12038), (494, 12080), (506, 12119), (525, 12179), (572, 12320), (609, 12395), (623, 12407), (640, 12449), (642, 12458), (648, 12482), (666, 12551), (672, 12569), (721, 12680), (724, 12701), (725, 12704), (734, 12737), (750, 12815),

(759, 12854), (777, 12914), (789, 12944), (809, 12995), (825, 13040), (837, 13085),

Gene: Preamble_14 Start: 9721, Stop: 12279, Start Num: 61

Candidate Starts for Preamble_14:

(55, 9700), (Start: 61 @9721 has 156 MA's), (70, 9769), (88, 9850), (114, 9946), (124, 9991), (128, 10009), (129, 10015), (161, 10156), (168, 10177), (178, 10222), (189, 10273), (190, 10276), (201, 10306), (245, 10489), (270, 10567), (274, 10576), (277, 10582), (281, 10594), (294, 10627), (305, 10669), (317, 10714), (356, 10834), (357, 10837), (399, 10975), (418, 11035), (424, 11053), (426, 11059), (436, 11089), (452, 11140), (453, 11146), (467, 11188), (472, 11203), (475, 11212), (487, 11257), (490, 11266), (497, 11287), (500, 11299), (501, 11302), (508, 11323), (509, 11326), (511, 11332), (513, 11338), (519, 11359), (521, 11365), (528, 11386), (535, 11410), (537, 11419), (543, 11437), (552, 11458), (568, 11509), (569, 11512), (571, 11521), (572, 11524), (608, 11629), (637, 11644), (642, 11662), (657, 11731), (672, 11773), (674, 11785), (689, 11806), (692, 11809), (724, 11905), (725, 11908), (739, 11962), (745, 12001), (750, 12019), (757, 12049), (759, 12058), (772, 12100), (814, 12220),

Gene: Procrass1_14 Start: 8513, Stop: 11278, Start Num: 62

Candidate Starts for Procrass1_14:

(Start: 62 @8513 has 45 MA's), (66, 8540), (68, 8546), (70, 8558), (72, 8567), (79, 8600), (80, 8603), (90, 8648), (92, 8654), (95, 8660), (101, 8675), (102, 8678), (116, 8726), (123, 8756), (128, 8783), (130, 8792), (139, 8825), (143, 8846), (147, 8867), (153, 8897), (156, 8912), (160, 8930), (164, 8939), (166, 8942), (170, 8960), (181, 9014), (182, 9017), (185, 9032), (187, 9047), (188, 9050), (191, 9062), (199, 9086), (209, 9122), (212, 9131), (213, 9134), (222, 9176), (224, 9188), (234, 9233), (238, 9254), (243, 9278), (249, 9299), (255, 9320), (261, 9341), (266, 9353), (271, 9362), (276, 9374), (283, 9395), (285, 9398), (290, 9410), (293, 9428), (295, 9437), (299, 9449), (301, 9461), (305, 9473), (313, 9503), (314, 9509), (318, 9524), (319, 9530), (323, 9539), (330, 9560), (337, 9584), (346, 9614), (348, 9620), (350, 9626), (354, 9638), (360, 9656), (368, 9686), (377, 9719), (380, 9728), (386, 9740), (394, 9776), (397, 9785), (403, 9806), (407, 9818), (420, 9857), (423, 9869), (433, 9899), (437, 9911), (442, 9926), (446, 9941), (461, 9986), (467, 10007), (468, 10010), (469, 10013), (471, 10019), (473, 10025), (481, 10052), (486, 10073), (488, 10079), (491, 10085), (495, 10097), (496, 10100), (499, 10109), (502, 10121), (506, 10133), (509, 10142), (515, 10160), (518, 10172), (521, 10181), (523, 10187), (526, 10196), (528, 10202), (529, 10205), (530, 10208), (535, 10226), (537, 10235), (538, 10238), (548, 10262), (554, 10280), (582, 10370), (587, 10382), (592, 10391), (597, 10400), (620, 10490), (624, 10502), (635, 10544), (646, 10589), (651, 10610), (652, 10619), (659, 10652), (669, 10679), (679, 10721), (680, 10730), (688, 10742), (691, 10754), (693, 10763), (703, 10784), (711, 10817), (713, 10826), (714, 10829), (715, 10832), (719, 10850), (720, 10853), (721, 10862), (725, 10886), (728, 10898), (730, 10907), (733, 10916), (741, 10949), (742, 10952), (744, 10976), (755, 11015), (762, 11045), (764, 11051), (765, 11060), (767, 11069), (780, 11111), (784, 11123), (799, 11177), (801, 11180), (804, 11186), (825, 11255), (830, 11264), (832, 11273),

Gene: Pterodactyl_14 Start: 9710, Stop: 12271, Start Num: 61

Candidate Starts for Pterodactyl_14:

(55, 9689), (Start: 61 @9710 has 156 MA's), (70, 9758), (88, 9839), (93, 9863), (114, 9935), (126, 9983), (128, 9998), (129, 10004), (168, 10166), (189, 10262), (201, 10295), (236, 10433), (255, 10511), (270, 10556), (274, 10565), (294, 10616), (300, 10634), (302, 10646), (309, 10670), (375, 10886), (408, 10997), (418, 11024), (424, 11042), (426, 11048), (434, 11072), (437, 11081), (452, 11129), (461, 11156), (470, 11186), (486, 11243), (491, 11258), (495, 11270), (497, 11276), (498, 11279), (500, 11288), (509, 11315), (513, 11327), (516, 11336), (519, 11348), (521, 11354), (529, 11378), (535, 11399), (537, 11408), (542, 11423), (552, 11447), (568, 11498), (569, 11501), (572, 11513), (600, 11588), (608, 11618), (643, 11654), (672, 11762), (674, 11774), (692, 11798), (724, 11894), (725, 11897), (734, 11930), (739, 11951), (745, 11990), (750, 12008), (757, 12038), (759, 12047), (790, 12146), (814, 12212),

Gene: Pulchra_37 Start: 21003, Stop: 23870, Start Num: 60

Candidate Starts for Pulchra_37:

(Start: 60 @21003 has 54 MA's), (65, 21027), (141, 21336), (188, 21552), (202, 21606), (207, 21627), (215, 21657), (242, 21789), (248, 21810), (272, 21876), (278, 21891), (300, 21954), (313, 22005), (316, 22017), (333, 22068), (339, 22092), (341, 22095), (345, 22110), (353, 22134), (363, 22170), (369, 22191), (397, 22284), (402, 22302), (406, 22314), (421, 22359), (448, 22449), (457, 22476), (502, 22620), (515, 22659), (522, 22683), (526, 22695), (529, 22704), (540, 22743), (543, 22752), (551, 22773), (567, 22824), (575, 22851), (581, 22869), (602, 22923), (604, 22932), (609, 22950), (611, 22956), (614, 22968), (633, 23028), (635, 23037), (645, 23079), (649, 23097), (653, 23115), (654, 23121), (671, 23172), (687, 23253), (696, 23286), (698, 23301), (706, 23364), (707, 23367), (712, 23388), (714, 23397), (722, 23433), (729, 23472), (747, 23547), (753, 23571), (759, 23601), (765, 23625), (811, 23775), (812, 23778),

Gene: Pumancara_14 Start: 9749, Stop: 12307, Start Num: 61

Candidate Starts for Pumancara_14:

(Start: 61 @9749 has 156 MA's), (64, 9758), (88, 9878), (126, 10022), (128, 10037), (168, 10205), (189, 10301), (206, 10346), (219, 10391), (262, 10574), (270, 10595), (274, 10604), (277, 10610), (281, 10622), (294, 10655), (317, 10742), (357, 10865), (380, 10940), (399, 11003), (408, 11036), (416, 11057), (418, 11063), (424, 11081), (426, 11087), (434, 11111), (447, 11153), (452, 11168), (453, 11174), (479, 11252), (487, 11285), (490, 11294), (497, 11315), (500, 11327), (509, 11354), (513, 11366), (516, 11375), (519, 11387), (521, 11393), (522, 11396), (529, 11417), (537, 11447), (543, 11465), (551, 11483), (552, 11486), (555, 11495), (558, 11504), (568, 11537), (569, 11540), (572, 11552), (577, 11567), (607, 11651), (608, 11657), (643, 11693), (656, 11750), (672, 11801), (674, 11813), (710, 11858), (724, 11933), (725, 11936), (733, 11966), (745, 12029), (757, 12077), (759, 12086), (765, 12110), (768, 12122), (814, 12248),

Gene: Pumpkins_16 Start: 10836, Stop: 13160, Start Num: 61

Candidate Starts for Pumpkins_16:

(Start: 61 @10836 has 156 MA's), (97, 10992), (101, 11001), (102, 11004), (104, 11010), (122, 11082), (137, 11142), (162, 11259), (181, 11340), (182, 11343), (187, 11373), (215, 11457), (228, 11514), (234, 11538), (247, 11598), (249, 11604), (344, 11823), (446, 11991), (462, 12039), (481, 12093), (494, 12135), (506, 12174), (556, 12327), (634, 12480), (636, 12492), (655, 12570), (656, 12573), (672, 12624), (724, 12756), (725, 12759), (734, 12792), (750, 12870), (759, 12909),

Gene: QueenBey_14 Start: 8507, Stop: 11272, Start Num: 62

Candidate Starts for QueenBey_14:

(Start: 62 @8507 has 45 MA's), (66, 8534), (68, 8540), (70, 8552), (72, 8561), (80, 8597), (90, 8642), (92, 8648), (95, 8654), (101, 8669), (102, 8672), (116, 8720), (123, 8750), (128, 8777), (130, 8786), (139, 8819), (143, 8840), (147, 8861), (153, 8891), (156, 8906), (160, 8924), (164, 8933), (166, 8936), (170, 8954), (182, 9011), (185, 9026), (187, 9041), (188, 9044), (191, 9056), (199, 9080), (209, 9116), (212, 9125), (213, 9128), (222, 9170), (224, 9182), (234, 9227), (243, 9272), (255, 9314), (271, 9356), (276, 9368), (283, 9389), (285, 9392), (290, 9404), (293, 9422), (295, 9431), (299, 9443), (301, 9455), (305, 9467), (307, 9476), (313, 9497), (314, 9503), (318, 9518), (319, 9524), (323, 9533), (330, 9554), (337, 9578), (346, 9608), (350, 9620), (353, 9629), (354, 9632), (360, 9650), (368, 9680), (377, 9713), (380, 9722), (386, 9734), (394, 9770), (397, 9779), (399, 9785), (403, 9800), (407, 9812), (416, 9839), (417, 9842), (421, 9854), (423, 9863), (433, 9893), (434, 9896), (437, 9905), (442, 9920), (444, 9926), (446, 9935), (453, 9959), (462, 9983), (467, 10001), (473, 10019), (481, 10046), (487, 10070), (491, 10079), (492, 10082), (495, 10091), (496, 10094), (498, 10100), (502, 10115), (505, 10124), (506, 10127), (509, 10136), (515, 10154), (523, 10181), (526, 10190), (528, 10196), (529, 10199), (537, 10229), (538, 10232), (547, 10253), (550, 10262), (551, 10265), (565, 10310), (582, 10364), (587, 10376), (592, 10385), (597, 10394), (620, 10484), (635, 10538), (646, 10583), (650, 10601), (651, 10604), (652, 10613), (659, 10646), (669, 10673), (679, 10715), (680, 10724), (688, 10736), (691, 10748), (693, 10757), (711, 10811), (713, 10820), (714, 10823), (715, 10826), (719, 10844), (720,

10847), (721, 10856), (725, 10880), (727, 10889), (728, 10892), (730, 10901), (733, 10910), (741, 10943), (742, 10946), (744, 10970), (755, 11009), (762, 11039), (764, 11045), (765, 11054), (774, 11087), (780, 11105), (784, 11117), (794, 11153), (799, 11171), (801, 11174), (825, 11249), (830, 11258), (832, 11267),

Gene: Quhwah_39 Start: 21229, Stop: 24096, Start Num: 60

Candidate Starts for Quhwah_39:

(Start: 60 @21229 has 54 MA's), (65, 21253), (141, 21562), (188, 21778), (202, 21832), (207, 21853), (215, 21883), (242, 22015), (248, 22036), (272, 22102), (278, 22117), (300, 22180), (313, 22231), (316, 22243), (333, 22294), (339, 22318), (341, 22321), (345, 22336), (353, 22360), (363, 22396), (369, 22417), (397, 22510), (402, 22528), (406, 22540), (421, 22585), (448, 22675), (457, 22702), (502, 22846), (515, 22885), (522, 22909), (526, 22921), (529, 22930), (540, 22969), (543, 22978), (551, 22999), (567, 23050), (575, 23077), (581, 23095), (602, 23149), (604, 23158), (609, 23176), (611, 23182), (614, 23194), (633, 23254), (635, 23263), (645, 23305), (649, 23323), (653, 23341), (654, 23347), (671, 23398), (687, 23479), (696, 23512), (698, 23527), (706, 23590), (707, 23593), (712, 23614), (714, 23623), (722, 23659), (729, 23698), (747, 23773), (753, 23797), (759, 23827), (765, 23851), (811, 24001), (812, 24004),

Gene: RAP15_18 Start: 12624, Stop: 15185, Start Num: 61

Candidate Starts for RAP15_18:

(55, 12603), (Start: 61 @12624 has 156 MA's), (70, 12672), (76, 12705), (88, 12753), (93, 12777), (95, 12789), (114, 12849), (126, 12897), (128, 12912), (129, 12918), (156, 13038), (168, 13080), (189, 13176), (190, 13179), (201, 13209), (218, 13263), (219, 13266), (249, 13404), (255, 13425), (262, 13449), (270, 13470), (274, 13479), (294, 13530), (300, 13548), (356, 13734), (399, 13878), (408, 13911), (418, 13938), (424, 13956), (426, 13962), (434, 13986), (437, 13995), (452, 14043), (461, 14070), (462, 14073), (468, 14094), (470, 14100), (472, 14106), (486, 14157), (491, 14172), (495, 14184), (497, 14190), (498, 14193), (500, 14202), (509, 14229), (513, 14241), (516, 14250), (519, 14262), (521, 14268), (528, 14289), (537, 14322), (552, 14361), (568, 14412), (569, 14415), (571, 14424), (572, 14427), (577, 14442), (608, 14532), (643, 14568), (672, 14676), (692, 14712), (724, 14808), (725, 14811), (739, 14865), (745, 14904), (757, 14952), (759, 14961), (765, 14985), (772, 15003), (789, 15054), (797, 15078), (802, 15096), (814, 15126),

Gene: Ramiel05_35 Start: 20638, Stop: 23505, Start Num: 60

Candidate Starts for Ramiel05_35:

(Start: 60 @20638 has 54 MA's), (65, 20662), (141, 20971), (188, 21187), (202, 21241), (207, 21262), (215, 21292), (242, 21424), (248, 21445), (272, 21511), (278, 21526), (300, 21589), (313, 21640), (316, 21652), (333, 21703), (339, 21727), (341, 21730), (345, 21745), (353, 21769), (363, 21805), (369, 21826), (397, 21919), (402, 21937), (406, 21949), (421, 21994), (448, 22084), (457, 22111), (502, 22255), (515, 22294), (522, 22318), (526, 22330), (529, 22339), (540, 22378), (543, 22387), (551, 22408), (567, 22459), (575, 22486), (581, 22504), (602, 22558), (604, 22567), (609, 22585), (611, 22591), (614, 22603), (633, 22663), (635, 22672), (645, 22714), (649, 22732), (653, 22750), (654, 22756), (671, 22807), (687, 22888), (696, 22921), (698, 22936), (706, 22999), (707, 23002), (712, 23023), (714, 23032), (722, 23068), (729, 23107), (747, 23182), (753, 23206), (759, 23236), (765, 23260), (780, 23311), (811, 23410), (812, 23413),

Gene: Rasovi_19 Start: 13514, Stop: 15508, Start Num: 67

Candidate Starts for Rasovi_19:

(Start: 67 @13514 has 19 MA's), (76, 13553), (111, 13664), (117, 13679), (120, 13691), (145, 13805), (162, 13883), (170, 13907), (203, 14039), (217, 14090), (230, 14156), (254, 14252), (325, 14363), (390, 14489), (411, 14549), (420, 14573), (425, 14591), (447, 14624), (509, 14771), (522, 14789), (568, 14822), (572, 14837), (607, 14903), (705, 15062), (707, 15068), (709, 15074), (724, 15152), (728, 15167), (740, 15209), (754, 15275), (772, 15344), (822, 15482),

Gene: RcigaStruga_18 Start: 12617, Stop: 15178, Start Num: 61

Candidate Starts for RcigaStruga_18:

(55, 12596), (Start: 61 @12617 has 156 MA's), (79, 12707), (88, 12746), (95, 12782), (114, 12842), (128, 12905), (168, 13073), (178, 13118), (188, 13166), (189, 13169), (190, 13172), (218, 13256), (219, 13259), (249, 13397), (270, 13463), (281, 13490), (296, 13532), (390, 13841), (399, 13874), (418, 13934), (426, 13958), (452, 14039), (453, 14045), (454, 14048), (463, 14072), (472, 14102), (479, 14123), (492, 14171), (497, 14186), (501, 14201), (509, 14225), (513, 14237), (515, 14243), (519, 14258), (521, 14264), (533, 14303), (535, 14309), (537, 14318), (543, 14336), (546, 14342), (551, 14354), (552, 14357), (555, 14366), (561, 14384), (568, 14408), (569, 14411), (572, 14423), (578, 14441), (603, 14507), (607, 14522), (640, 14552), (642, 14561), (656, 14621), (672, 14672), (692, 14708), (724, 14804), (725, 14807), (739, 14861), (745, 14900), (753, 14927), (759, 14957), (765, 14981), (780, 15023), (789, 15050), (814, 15119),

Gene: Reedo_16 Start: 10781, Stop: 13090, Start Num: 61

Candidate Starts for Reedo_16:

(Start: 61 @10781 has 156 MA's), (97, 10937), (101, 10946), (111, 10979), (122, 11027), (137, 11087), (162, 11204), (181, 11285), (182, 11288), (187, 11318), (206, 11372), (215, 11402), (228, 11459), (234, 11483), (240, 11513), (247, 11543), (249, 11549), (256, 11573), (281, 11636), (295, 11669), (337, 11747), (421, 11864), (488, 12062), (494, 12080), (506, 12119), (513, 12140), (525, 12179), (530, 12194), (541, 12233), (557, 12275), (579, 12341), (646, 12473), (657, 12527), (662, 12539), (706, 12614), (710, 12626), (726, 12710), (737, 12746), (748, 12800), (755, 12830), (791, 12944), (821, 13022),

Gene: Rileysaurus_14 Start: 8502, Stop: 11267, Start Num: 62

Candidate Starts for Rileysaurus_14:

(Start: 62 @8502 has 45 MA's), (66, 8529), (68, 8535), (70, 8547), (72, 8556), (76, 8580), (79, 8589), (80, 8592), (90, 8637), (101, 8664), (102, 8667), (116, 8715), (123, 8745), (128, 8772), (130, 8781), (139, 8814), (143, 8835), (147, 8856), (153, 8886), (156, 8901), (160, 8919), (164, 8928), (166, 8931), (170, 8949), (181, 9003), (182, 9006), (185, 9021), (187, 9036), (188, 9039), (191, 9051), (197, 9066), (199, 9075), (209, 9111), (212, 9120), (213, 9123), (222, 9165), (224, 9177), (234, 9222), (238, 9243), (243, 9267), (255, 9309), (266, 9342), (271, 9351), (276, 9363), (283, 9384), (285, 9387), (290, 9399), (293, 9417), (295, 9426), (299, 9438), (301, 9450), (305, 9462), (307, 9471), (313, 9492), (314, 9498), (318, 9513), (319, 9519), (323, 9528), (330, 9549), (337, 9573), (346, 9603), (348, 9609), (350, 9615), (353, 9624), (360, 9645), (368, 9675), (377, 9708), (380, 9717), (386, 9729), (393, 9762), (394, 9765), (397, 9774), (407, 9807), (409, 9816), (417, 9837), (421, 9849), (423, 9858), (426, 9867), (433, 9888), (437, 9900), (442, 9915), (444, 9921), (446, 9930), (453, 9954), (462, 9978), (467, 9996), (468, 9999), (469, 10002), (473, 10014), (475, 10020), (476, 10023), (480, 10035), (481, 10041), (487, 10065), (488, 10068), (491, 10074), (492, 10077), (494, 10083), (495, 10086), (496, 10089), (498, 10095), (502, 10110), (505, 10119), (506, 10122), (515, 10149), (518, 10161), (523, 10176), (526, 10185), (530, 10197), (535, 10215), (536, 10218), (537, 10224), (547, 10248), (548, 10251), (551, 10260), (554, 10269), (565, 10305), (582, 10359), (587, 10371), (592, 10380), (597, 10389), (620, 10479), (624, 10491), (628, 10515), (635, 10533), (643, 10566), (646, 10578), (650, 10596), (651, 10599), (652, 10608), (659, 10641), (669, 10668), (679, 10710), (680, 10719), (688, 10731), (691, 10743), (693, 10752), (703, 10773), (711, 10806), (713, 10815), (714, 10818), (715, 10821), (719, 10839), (720, 10842), (721, 10851), (725, 10875), (730, 10896), (733, 10905), (737, 10917), (741, 10938), (742, 10941), (744, 10965), (755, 11004), (762, 11034), (764, 11040), (765, 11049), (767, 11058), (780, 11100), (784, 11112), (794, 11148), (799, 11166), (801, 11169), (804, 11175), (825, 11244), (830, 11253), (832, 11262),

Gene: Riovina_14 Start: 9738, Stop: 12296, Start Num: 61

Candidate Starts for Riovina_14:

(Start: 61 @9738 has 156 MA's), (64, 9747), (69, 9777), (88, 9867), (114, 9963), (124, 10008), (128, 10026), (168, 10194), (189, 10290), (190, 10293), (193, 10308), (222, 10395), (277, 10599), (278,

10602), (305, 10686), (399, 10992), (418, 11052), (424, 11070), (426, 11076), (437, 11109), (441, 11121), (452, 11157), (461, 11184), (468, 11208), (470, 11214), (486, 11271), (494, 11295), (497, 11304), (501, 11319), (509, 11343), (513, 11355), (519, 11376), (521, 11382), (528, 11403), (535, 11427), (537, 11436), (543, 11454), (552, 11475), (554, 11481), (558, 11493), (568, 11526), (569, 11529), (572, 11541), (577, 11556), (578, 11559), (608, 11646), (655, 11736), (656, 11739), (672, 11790), (710, 11847), (711, 11856), (714, 11868), (724, 11922), (725, 11925), (739, 11979), (745, 12018), (757, 12066), (759, 12075), (765, 12099), (768, 12111), (802, 12207), (814, 12237),

Gene: Riverdale_18 Start: 12554, Stop: 15115, Start Num: 61

Candidate Starts for Riverdale_18:

(55, 12533), (Start: 61 @12554 has 156 MA's), (70, 12602), (76, 12635), (88, 12683), (93, 12707), (95, 12719), (114, 12779), (126, 12827), (128, 12842), (129, 12848), (156, 12968), (168, 13010), (189, 13106), (190, 13109), (201, 13139), (218, 13193), (249, 13334), (255, 13355), (262, 13379), (270, 13400), (274, 13409), (294, 13460), (300, 13478), (399, 13808), (408, 13841), (418, 13868), (424, 13886), (426, 13892), (434, 13916), (437, 13925), (452, 13973), (461, 14000), (470, 14030), (472, 14036), (486, 14087), (491, 14102), (495, 14114), (497, 14120), (498, 14123), (509, 14159), (513, 14171), (516, 14180), (519, 14192), (521, 14198), (528, 14219), (537, 14252), (552, 14291), (558, 14309), (568, 14342), (569, 14345), (571, 14354), (572, 14357), (577, 14372), (608, 14462), (643, 14498), (672, 14606), (692, 14642), (710, 14663), (724, 14738), (725, 14741), (739, 14795), (745, 14834), (757, 14882), (759, 14891), (765, 14915), (772, 14933), (789, 14984), (797, 15008), (802, 15026), (814, 15056),

Gene: Roberts_17 Start: 9567, Stop: 11855, Start Num: 56

Candidate Starts for Roberts_17:

(Start: 56 @9567 has 3 MA's), (Start: 57 @9570 has 8 MA's), (81, 9669), (127, 9828), (178, 10044), (217, 10188), (241, 10299), (250, 10335), (262, 10377), (336, 10515), (346, 10545), (347, 10548), (353, 10566), (383, 10608), (433, 10692), (441, 10716), (460, 10764), (473, 10806), (475, 10812), (486, 10854), (492, 10872), (505, 10914), (509, 10926), (516, 10947), (522, 10968), (525, 10977), (527, 10983), (532, 11001), (533, 11004), (542, 11034), (546, 11043), (569, 11112), (577, 11139), (578, 11142), (603, 11208), (608, 11229), (640, 11253), (646, 11277), (654, 11316), (674, 11385), (677, 11394), (707, 11421), (724, 11505), (725, 11508), (745, 11601), (748, 11607), (759, 11658), (765, 11682), (767, 11691), (784, 11736), (829, 11850),

Gene: RobsFeet_37 Start: 20722, Stop: 23592, Start Num: 60

Candidate Starts for RobsFeet_37:

(Start: 60 @20722 has 54 MA's), (65, 20746), (104, 20902), (141, 21055), (202, 21325), (215, 21376), (234, 21466), (242, 21508), (272, 21595), (278, 21610), (300, 21673), (313, 21724), (316, 21736), (323, 21757), (333, 21787), (339, 21811), (341, 21814), (345, 21829), (354, 21856), (363, 21889), (369, 21910), (397, 22003), (402, 22021), (405, 22030), (406, 22033), (421, 22078), (448, 22168), (457, 22195), (464, 22216), (502, 22339), (515, 22378), (526, 22414), (529, 22423), (537, 22453), (578, 22579), (583, 22594), (611, 22675), (622, 22720), (633, 22747), (635, 22756), (645, 22798), (649, 22816), (654, 22840), (687, 22972), (695, 22999), (696, 23005), (698, 23020), (706, 23083), (714, 23116), (747, 23266), (753, 23290), (759, 23320), (765, 23344), (807, 23485), (838, 23578), (839, 23581),

Gene: RockScotty_16 Start: 10335, Stop: 12755, Start Num: 61

Candidate Starts for RockScotty_16:

(Start: 61 @10335 has 156 MA's), (80, 10422), (113, 10527), (117, 10539), (128, 10599), (152, 10710), (174, 10791), (205, 10917), (210, 10932), (223, 10986), (269, 11160), (299, 11244), (304, 11265), (324, 11307), (383, 11433), (400, 11454), (416, 11487), (436, 11544), (450, 11586), (454, 11601), (471, 11652), (482, 11688), (483, 11694), (515, 11796), (521, 11817), (534, 11859), (556, 11919), (558, 11925), (572, 11973), (622, 12069), (674, 12246), (686, 12258), (713, 12309), (730, 12390), (745, 12459), (755, 12495), (778, 12576), (784, 12591), (810, 12663), (821, 12687),

Gene: Rockwell_35 Start: 20638, Stop: 23505, Start Num: 60

Candidate Starts for Rockwell_35:

(Start: 60 @20638 has 54 MA's), (65, 20662), (141, 20971), (188, 21187), (202, 21241), (207, 21262), (215, 21292), (242, 21424), (248, 21445), (272, 21511), (278, 21526), (300, 21589), (313, 21640), (316, 21652), (333, 21703), (339, 21727), (341, 21730), (345, 21745), (353, 21769), (363, 21805), (369, 21826), (397, 21919), (402, 21937), (406, 21949), (421, 21994), (448, 22084), (457, 22111), (502, 22255), (515, 22294), (522, 22318), (526, 22330), (529, 22339), (540, 22378), (543, 22387), (551, 22408), (567, 22459), (575, 22486), (581, 22504), (602, 22558), (604, 22567), (609, 22585), (611, 22591), (614, 22603), (633, 22663), (635, 22672), (645, 22714), (649, 22732), (653, 22750), (654, 22756), (671, 22807), (687, 22888), (696, 22921), (698, 22936), (706, 22999), (707, 23002), (712, 23023), (714, 23032), (722, 23068), (729, 23107), (747, 23182), (753, 23206), (759, 23236), (765, 23260), (780, 23311), (811, 23410), (812, 23413),

Gene: Rootkit7_19 Start: 13340, Stop: 15328, Start Num: 67

Candidate Starts for Rootkit7_19:

(Start: 67 @13340 has 19 MA's), (76, 13379), (111, 13490), (117, 13505), (120, 13517), (162, 13709), (170, 13733), (217, 13916), (230, 13982), (254, 14078), (268, 14102), (325, 14189), (378, 14291), (390, 14315), (415, 14384), (425, 14417), (504, 14582), (522, 14615), (566, 14642), (571, 14660), (641, 14762), (644, 14774), (645, 14780), (666, 14861), (740, 15035), (754, 15101), (768, 15161), (772, 15170), (822, 15302),

Gene: Rozby_18 Start: 12555, Stop: 15116, Start Num: 61

Candidate Starts for Rozby_18:

(55, 12534), (Start: 61 @12555 has 156 MA's), (70, 12603), (76, 12636), (88, 12684), (93, 12708), (95, 12720), (114, 12780), (126, 12828), (128, 12843), (129, 12849), (156, 12969), (168, 13011), (189, 13107), (190, 13110), (201, 13140), (218, 13194), (249, 13335), (255, 13356), (262, 13380), (270, 13401), (274, 13410), (294, 13461), (300, 13479), (356, 13665), (399, 13809), (408, 13842), (418, 13869), (424, 13887), (426, 13893), (434, 13917), (437, 13926), (452, 13974), (461, 14001), (470, 14031), (472, 14037), (486, 14088), (491, 14103), (495, 14115), (497, 14121), (498, 14124), (509, 14160), (513, 14172), (516, 14181), (519, 14193), (521, 14199), (528, 14220), (537, 14253), (552, 14292), (558, 14310), (568, 14343), (569, 14346), (571, 14355), (572, 14358), (577, 14373), (608, 14463), (643, 14499), (672, 14607), (692, 14643), (710, 14664), (724, 14739), (725, 14742), (739, 14796), (745, 14835), (757, 14883), (759, 14892), (765, 14916), (772, 14934), (789, 14985), (797, 15009), (802, 15027), (814, 15057),

Gene: SBlackberry_19 Start: 13346, Stop: 15334, Start Num: 67

Candidate Starts for SBlackberry_19:

(Start: 67 @13346 has 19 MA's), (76, 13385), (111, 13496), (117, 13511), (120, 13523), (162, 13715), (170, 13739), (217, 13922), (230, 13988), (254, 14084), (268, 14108), (325, 14195), (378, 14297), (390, 14321), (415, 14390), (425, 14423), (504, 14588), (522, 14621), (566, 14648), (571, 14666), (641, 14768), (644, 14780), (645, 14786), (666, 14867), (740, 15041), (754, 15107), (768, 15167), (772, 15176), (822, 15308),

Gene: SKKY_14 Start: 8549, Stop: 11314, Start Num: 62

Candidate Starts for SKKY_14:

(Start: 62 @8549 has 45 MA's), (66, 8576), (68, 8582), (70, 8594), (76, 8627), (79, 8636), (80, 8639), (90, 8684), (92, 8690), (101, 8711), (102, 8714), (116, 8762), (123, 8792), (130, 8828), (139, 8861), (143, 8882), (147, 8903), (153, 8933), (156, 8948), (160, 8966), (164, 8975), (166, 8978), (170, 8996), (181, 9050), (182, 9053), (185, 9068), (187, 9083), (188, 9086), (191, 9098), (197, 9113), (199, 9122), (209, 9158), (212, 9167), (213, 9170), (222, 9212), (224, 9224), (234, 9269), (243, 9314), (246, 9326), (255, 9356), (266, 9389), (271, 9398), (276, 9410), (283, 9431), (285, 9434), (290, 9446), (293, 9464), (295, 9473), (299, 9485), (301, 9497), (307, 9518), (314, 9545), (318, 9560), (323, 9575), (330, 9596),

(334, 9608), (337, 9620), (348, 9656), (360, 9692), (368, 9722), (371, 9734), (377, 9755), (386, 9776), (393, 9809), (394, 9812), (397, 9821), (399, 9827), (403, 9842), (407, 9854), (409, 9863), (412, 9872), (420, 9893), (421, 9896), (423, 9905), (433, 9935), (437, 9947), (442, 9962), (444, 9968), (446, 9977), (452, 9995), (462, 10025), (467, 10043), (468, 10046), (469, 10049), (472, 10058), (473, 10061), (475, 10067), (476, 10070), (481, 10088), (486, 10109), (488, 10115), (491, 10121), (492, 10124), (495, 10133), (496, 10136), (498, 10142), (502, 10157), (506, 10169), (508, 10175), (518, 10208), (519, 10211), (521, 10217), (526, 10232), (528, 10238), (529, 10241), (535, 10262), (537, 10271), (538, 10274), (547, 10295), (550, 10304), (551, 10307), (554, 10316), (565, 10352), (568, 10361), (587, 10418), (592, 10427), (597, 10436), (599, 10445), (616, 10511), (620, 10526), (624, 10538), (635, 10580), (646, 10625), (651, 10646), (652, 10655), (659, 10688), (669, 10715), (679, 10757), (680, 10766), (688, 10778), (691, 10790), (693, 10799), (710, 10844), (711, 10853), (713, 10862), (714, 10865), (715, 10868), (719, 10886), (720, 10889), (721, 10898), (725, 10922), (730, 10943), (733, 10952), (741, 10985), (742, 10988), (744, 11012), (755, 11051), (762, 11081), (764, 11087), (765, 11096), (767, 11105), (774, 11129), (780, 11147), (784, 11159), (799, 11213), (801, 11216), (804, 11222), (825, 11291), (830, 11300), (832, 11309),

Gene: Sabourin_16 Start: 10242, Stop: 12662, Start Num: 61

Candidate Starts for Sabourin_16:

(Start: 61 @10242 has 156 MA's), (80, 10329), (97, 10386), (113, 10434), (117, 10446), (128, 10506), (152, 10617), (174, 10698), (205, 10824), (210, 10839), (223, 10893), (269, 11067), (299, 11151), (304, 11172), (315, 11193), (324, 11214), (383, 11340), (400, 11361), (416, 11394), (436, 11451), (450, 11493), (454, 11508), (471, 11559), (482, 11595), (515, 11703), (521, 11724), (534, 11766), (537, 11778), (558, 11832), (572, 11880), (622, 11976), (669, 12132), (674, 12153), (686, 12165), (713, 12216), (745, 12366), (755, 12402), (778, 12483), (821, 12594),

Gene: Salgado_67 Start: 36346, Stop: 39363, Start Num: 44

Candidate Starts for Salgado_67:

(Start: 44 @36346 has 7 MA's), (52, 36367), (58, 36397), (Start: 61 @36400 has 156 MA's), (83, 36505), (111, 36589), (114, 36598), (127, 36658), (176, 36868), (178, 36874), (179, 36877), (180, 36880), (203, 36967), (217, 37018), (226, 37060), (227, 37063), (244, 37147), (250, 37165), (326, 37315), (338, 37354), (379, 37408), (382, 37417), (418, 37507), (449, 37603), (458, 37633), (464, 37651), (465, 37654), (469, 37666), (476, 37687), (480, 37699), (494, 37750), (523, 37843), (551, 37930), (563, 37966), (566, 37978), (569, 37987), (578, 38017), (583, 38032), (586, 38041), (610, 38110), (645, 38149), (675, 38275), (720, 38350), (736, 38425), (741, 38446), (746, 38479), (749, 38482), (758, 38524), (761, 38536), (765, 38557), (784, 38611), (819, 38713), (838, 38776), (844, 38887), (846, 38920), (848, 38974), (849, 38983), (853, 39076), (854, 39085), (856, 39184), (857, 39190), (859, 39220), (860, 39259), (862, 39346),

Gene: Savage2526_18 Start: 12618, Stop: 15179, Start Num: 61

Candidate Starts for Savage2526_18:

(55, 12597), (Start: 61 @12618 has 156 MA's), (70, 12666), (76, 12699), (88, 12747), (93, 12771), (95, 12783), (114, 12843), (126, 12891), (128, 12906), (129, 12912), (156, 13032), (168, 13074), (189, 13170), (190, 13173), (201, 13203), (218, 13257), (249, 13398), (255, 13419), (262, 13443), (270, 13464), (274, 13473), (294, 13524), (300, 13542), (356, 13728), (399, 13872), (408, 13905), (418, 13932), (424, 13950), (426, 13956), (434, 13980), (437, 13989), (452, 14037), (461, 14064), (470, 14094), (472, 14100), (486, 14151), (491, 14166), (495, 14178), (497, 14184), (498, 14187), (500, 14196), (509, 14223), (513, 14235), (516, 14244), (519, 14256), (521, 14262), (528, 14283), (535, 14307), (537, 14316), (552, 14355), (558, 14373), (568, 14406), (569, 14409), (571, 14418), (572, 14421), (577, 14436), (608, 14526), (643, 14562), (672, 14670), (692, 14706), (724, 14802), (725, 14805), (739, 14859), (745, 14898), (757, 14946), (759, 14955), (765, 14979), (772, 14997), (789, 15048), (797, 15072), (802, 15090), (814, 15120),

Gene: Savannah_35 Start: 20665, Stop: 23532, Start Num: 60

Candidate Starts for Savannah_35:

(Start: 60 @20665 has 54 MA's), (65, 20689), (141, 20998), (188, 21214), (202, 21268), (207, 21289), (215, 21319), (242, 21451), (248, 21472), (272, 21538), (278, 21553), (300, 21616), (313, 21667), (316, 21679), (333, 21730), (339, 21754), (341, 21757), (345, 21772), (353, 21796), (363, 21832), (369, 21853), (397, 21946), (402, 21964), (406, 21976), (421, 22021), (448, 22111), (457, 22138), (502, 22282), (515, 22321), (522, 22345), (526, 22357), (529, 22366), (540, 22405), (543, 22414), (551, 22435), (567, 22486), (575, 22513), (581, 22531), (602, 22585), (604, 22594), (609, 22612), (611, 22618), (614, 22630), (633, 22690), (635, 22699), (645, 22741), (649, 22759), (653, 22777), (654, 22783), (671, 22834), (687, 22915), (696, 22948), (698, 22963), (706, 23026), (707, 23029), (712, 23050), (714, 23059), (722, 23095), (729, 23134), (747, 23209), (753, 23233), (759, 23263), (765, 23287), (780, 23338), (811, 23437), (812, 23440),

Gene: Schaffner_16 Start: 10823, Stop: 13147, Start Num: 61

Candidate Starts for Schaffner_16:

(Start: 61 @10823 has 156 MA's), (104, 10997), (111, 11021), (122, 11069), (137, 11129), (158, 11234), (162, 11246), (181, 11327), (182, 11330), (187, 11360), (206, 11414), (215, 11444), (225, 11486), (228, 11501), (234, 11525), (240, 11555), (247, 11585), (249, 11591), (344, 11810), (433, 11939), (446, 11978), (462, 12026), (468, 12047), (481, 12080), (494, 12122), (506, 12161), (525, 12221), (556, 12314), (634, 12467), (636, 12479), (655, 12557), (656, 12560), (672, 12611), (724, 12743), (725, 12746), (734, 12779), (750, 12857), (759, 12896),

Gene: Scumberland_37 Start: 20854, Stop: 23721, Start Num: 60

Candidate Starts for Scumberland_37:

(Start: 60 @20854 has 54 MA's), (65, 20878), (141, 21187), (188, 21403), (202, 21457), (207, 21478), (215, 21508), (242, 21640), (248, 21661), (272, 21727), (278, 21742), (300, 21805), (313, 21856), (316, 21868), (333, 21919), (339, 21943), (341, 21946), (345, 21961), (353, 21985), (363, 22021), (369, 22042), (397, 22135), (402, 22153), (406, 22165), (421, 22210), (448, 22300), (457, 22327), (502, 22471), (515, 22510), (522, 22534), (526, 22546), (529, 22555), (540, 22594), (543, 22603), (551, 22624), (567, 22675), (575, 22702), (581, 22720), (602, 22774), (604, 22783), (609, 22801), (611, 22807), (614, 22819), (633, 22879), (635, 22888), (645, 22930), (649, 22948), (653, 22966), (654, 22972), (671, 23023), (687, 23104), (696, 23137), (698, 23152), (706, 23215), (707, 23218), (712, 23239), (714, 23248), (722, 23284), (729, 23323), (747, 23398), (753, 23422), (759, 23452), (765, 23476), (811, 23626), (812, 23629),

Gene: Scuttle_18 Start: 12623, Stop: 15184, Start Num: 61

Candidate Starts for Scuttle_18:

(55, 12602), (Start: 61 @12623 has 156 MA's), (70, 12671), (76, 12704), (88, 12752), (93, 12776), (95, 12788), (114, 12848), (126, 12896), (128, 12911), (129, 12917), (156, 13037), (168, 13079), (189, 13175), (190, 13178), (201, 13208), (218, 13262), (249, 13403), (255, 13424), (262, 13448), (270, 13469), (274, 13478), (294, 13529), (300, 13547), (306, 13571), (356, 13733), (399, 13877), (408, 13910), (418, 13937), (424, 13955), (426, 13961), (434, 13985), (437, 13994), (452, 14042), (461, 14069), (468, 14093), (470, 14099), (472, 14105), (486, 14156), (491, 14171), (495, 14183), (497, 14189), (498, 14192), (500, 14201), (509, 14228), (513, 14240), (516, 14249), (519, 14261), (521, 14267), (528, 14288), (537, 14321), (552, 14360), (568, 14411), (569, 14414), (571, 14423), (572, 14426), (577, 14441), (607, 14525), (608, 14531), (643, 14567), (672, 14675), (692, 14711), (724, 14807), (725, 14810), (739, 14864), (745, 14903), (757, 14951), (759, 14960), (765, 14984), (772, 15002), (789, 15053), (797, 15077), (802, 15095), (814, 15125),

Gene: Selwyn23_37 Start: 20831, Stop: 23698, Start Num: 60

Candidate Starts for Selwyn23_37:

(Start: 60 @20831 has 54 MA's), (65, 20855), (141, 21164), (188, 21380), (202, 21434), (207, 21455), (215, 21485), (242, 21617), (248, 21638), (272, 21704), (278, 21719), (300, 21782), (313, 21833), (316, 21845), (333, 21896), (339, 21920), (341, 21923), (345, 21938), (353, 21962), (363, 21998),

(369, 22019), (397, 22112), (402, 22130), (406, 22142), (421, 22187), (448, 22277), (457, 22304), (502, 22448), (515, 22487), (522, 22511), (526, 22523), (529, 22532), (540, 22571), (543, 22580), (551, 22601), (567, 22652), (575, 22679), (581, 22697), (602, 22751), (604, 22760), (609, 22778), (611, 22784), (614, 22796), (633, 22856), (635, 22865), (645, 22907), (649, 22925), (653, 22943), (654, 22949), (671, 23000), (687, 23081), (696, 23114), (698, 23129), (702, 23171), (706, 23192), (707, 23195), (712, 23216), (714, 23225), (722, 23261), (729, 23300), (747, 23375), (753, 23399), (759, 23429), (765, 23453), (811, 23603), (812, 23606),

Gene: Sergei_14 Start: 9744, Stop: 12302, Start Num: 61

Candidate Starts for Sergei_14:

(Start: 61 @9744 has 156 MA's), (64, 9753), (69, 9783), (88, 9873), (95, 9909), (126, 10017), (128, 10032), (168, 10200), (189, 10296), (262, 10569), (270, 10590), (282, 10620), (294, 10650), (317, 10737), (357, 10860), (380, 10935), (399, 10998), (408, 11031), (416, 11052), (418, 11058), (424, 11076), (426, 11082), (434, 11106), (447, 11148), (452, 11163), (453, 11169), (463, 11196), (479, 11247), (487, 11280), (490, 11289), (497, 11310), (500, 11322), (509, 11349), (513, 11361), (516, 11370), (519, 11382), (521, 11388), (522, 11391), (529, 11412), (537, 11442), (543, 11460), (552, 11481), (555, 11490), (558, 11499), (568, 11532), (569, 11535), (572, 11547), (577, 11562), (607, 11646), (608, 11652), (643, 11688), (656, 11745), (657, 11754), (672, 11796), (710, 11853), (724, 11928), (725, 11931), (733, 11961), (739, 11985), (750, 12042), (757, 12072), (759, 12081), (765, 12105), (768, 12117), (814, 12243),

Gene: ShakeltOph_15 Start: 8971, Stop: 11214, Start Num: 61

Candidate Starts for ShakeltOph_15:

(Start: 61 @8971 has 156 MA's), (80, 9058), (112, 9160), (127, 9226), (151, 9331), (178, 9442), (180, 9448), (206, 9544), (217, 9586), (250, 9733), (255, 9751), (332, 9868), (342, 9895), (364, 9928), (409, 9964), (425, 10012), (439, 10051), (451, 10090), (470, 10138), (473, 10147), (476, 10156), (479, 10165), (490, 10207), (501, 10243), (505, 10255), (519, 10300), (521, 10306), (529, 10330), (539, 10366), (546, 10384), (555, 10408), (558, 10417), (562, 10429), (568, 10450), (569, 10453), (578, 10483), (675, 10729), (724, 10846), (745, 10942), (748, 10948), (755, 10978),

Gene: Shotgun_35 Start: 20464, Stop: 23331, Start Num: 60

Candidate Starts for Shotgun_35:

(Start: 60 @20464 has 54 MA's), (65, 20488), (141, 20797), (188, 21013), (202, 21067), (207, 21088), (215, 21118), (242, 21250), (248, 21271), (272, 21337), (278, 21352), (300, 21415), (313, 21466), (316, 21478), (333, 21529), (339, 21553), (341, 21556), (345, 21571), (353, 21595), (363, 21631), (369, 21652), (397, 21745), (402, 21763), (406, 21775), (421, 21820), (448, 21910), (457, 21937), (502, 22081), (515, 22120), (522, 22144), (526, 22156), (529, 22165), (540, 22204), (543, 22213), (551, 22234), (567, 22285), (575, 22312), (581, 22330), (602, 22384), (604, 22393), (609, 22411), (611, 22417), (614, 22429), (633, 22489), (635, 22498), (645, 22540), (649, 22558), (653, 22576), (654, 22582), (671, 22633), (687, 22714), (696, 22747), (698, 22762), (706, 22825), (707, 22828), (712, 22849), (714, 22858), (722, 22894), (729, 22933), (747, 23008), (753, 23032), (759, 23062), (765, 23086), (811, 23236), (812, 23239),

Gene: Shrooms_65 Start: 34492, Stop: 37881, Start Num: 44

Candidate Starts for Shrooms_65:

(42, 34486), (Start: 44 @34492 has 7 MA's), (51, 34510), (52, 34513), (58, 34543), (Start: 61 @34546 has 156 MA's), (76, 34621), (108, 34723), (111, 34735), (127, 34804), (178, 35020), (179, 35023), (180, 35026), (203, 35113), (217, 35164), (227, 35209), (232, 35236), (250, 35311), (255, 35329), (268, 35362), (306, 35431), (333, 35491), (334, 35494), (355, 35560), (358, 35566), (365, 35587), (369, 35602), (382, 35644), (399, 35698), (410, 35722), (412, 35728), (418, 35743), (421, 35752), (447, 35833), (457, 35866), (469, 35902), (480, 35935), (494, 35986), (503, 36016), (522, 36076), (523, 36079), (551, 36166), (555, 36178), (558, 36187), (569, 36223), (572, 36235), (578, 36253), (588, 36280), (606, 36331), (615, 36364), (626, 36409), (629, 36427), (630, 36433), (631, 36445),

(632, 36463), (634, 36472), (645, 36517), (657, 36586), (673, 36631), (677, 36649), (681, 36673), (682, 36676), (684, 36685), (685, 36697), (686, 36709), (697, 36751), (704, 36817), (723, 36907), (731, 36940), (736, 36958), (746, 37012), (749, 37015), (760, 37066), (761, 37069), (765, 37090), (768, 37102), (777, 37126), (781, 37135), (787, 37156), (819, 37246), (826, 37267), (838, 37309), (842, 37327), (843, 37399), (844, 37420), (845, 37444), (846, 37453), (847, 37474), (848, 37507), (853, 37609), (855, 37654), (858, 37720), (860, 37777),

Gene: Shrubaron_36 Start: 20356, Stop: 23226, Start Num: 60

Candidate Starts for Shrubaron_36:

(Start: 60 @20356 has 54 MA's), (65, 20380), (104, 20536), (141, 20689), (202, 20959), (215, 21010), (234, 21100), (242, 21142), (272, 21229), (278, 21244), (300, 21307), (313, 21358), (316, 21370), (323, 21391), (333, 21421), (339, 21445), (341, 21448), (345, 21463), (354, 21490), (363, 21523), (369, 21544), (397, 21637), (402, 21655), (405, 21664), (406, 21667), (421, 21712), (448, 21802), (457, 21829), (464, 21850), (502, 21973), (515, 22012), (526, 22048), (529, 22057), (537, 22087), (578, 22213), (583, 22228), (611, 22309), (622, 22354), (633, 22381), (635, 22390), (645, 22432), (649, 22450), (654, 22474), (687, 22606), (695, 22633), (696, 22639), (698, 22654), (706, 22717), (714, 22750), (747, 22900), (753, 22924), (759, 22954), (765, 22978), (805, 23110), (807, 23119), (838, 23212), (839, 23215),

Gene: Sicarius2_20 Start: 14249, Stop: 16888, Start Num: 19

Candidate Starts for Sicarius2_20:

(Start: 19 @14249 has 2 MA's), (26, 14294), (31, 14327), (73, 14513), (88, 14576), (107, 14645), (114, 14672), (128, 14735), (151, 14837), (153, 14846), (165, 14891), (186, 14981), (188, 14996), (189, 14999), (201, 15032), (231, 15152), (236, 15170), (262, 15272), (264, 15281), (282, 15323), (336, 15500), (339, 15512), (374, 15629), (399, 15704), (400, 15707), (403, 15719), (405, 15725), (409, 15737), (414, 15749), (450, 15851), (454, 15866), (463, 15890), (465, 15899), (469, 15911), (476, 15932), (480, 15944), (481, 15950), (482, 15956), (488, 15977), (499, 16010), (502, 16019), (503, 16022), (514, 16055), (518, 16070), (519, 16073), (523, 16085), (531, 16109), (535, 16124), (543, 16142), (551, 16160), (556, 16175), (558, 16181), (564, 16202), (569, 16217), (573, 16232), (583, 16262), (598, 16292), (607, 16325), (653, 16412), (657, 16433), (661, 16445), (667, 16463), (670, 16472), (708, 16517), (730, 16610), (732, 16616), (741, 16655), (776, 16778),

Gene: Simpson_18 Start: 10730, Stop: 13045, Start Num: 61

Candidate Starts for Simpson_18:

(Start: 61 @10730 has 156 MA's), (97, 10886), (101, 10895), (122, 10976), (124, 10988), (137, 11036), (162, 11153), (181, 11234), (182, 11237), (187, 11267), (206, 11321), (215, 11351), (228, 11408), (234, 11432), (247, 11492), (344, 11717), (421, 11813), (446, 11885), (462, 11933), (481, 11987), (494, 12029), (506, 12068), (525, 12128), (642, 12407), (648, 12431), (655, 12464), (656, 12467), (672, 12518), (721, 12629), (724, 12650), (725, 12653), (734, 12686), (750, 12764), (756, 12785), (759, 12803), (777, 12863), (789, 12893), (809, 12944), (825, 12989), (837, 13034),

Gene: SirFrank_35 Start: 20568, Stop: 23435, Start Num: 60

Candidate Starts for SirFrank_35:

(Start: 60 @20568 has 54 MA's), (65, 20592), (141, 20901), (188, 21117), (202, 21171), (215, 21222), (242, 21354), (248, 21375), (272, 21441), (278, 21456), (284, 21474), (300, 21519), (313, 21570), (316, 21582), (333, 21633), (339, 21657), (341, 21660), (345, 21675), (353, 21699), (363, 21735), (369, 21756), (397, 21849), (405, 21876), (406, 21879), (421, 21924), (448, 22014), (474, 22092), (502, 22185), (515, 22224), (526, 22260), (529, 22269), (531, 22275), (567, 22389), (575, 22416), (581, 22434), (602, 22488), (604, 22497), (611, 22521), (614, 22533), (633, 22593), (635, 22602), (645, 22644), (649, 22662), (653, 22680), (654, 22686), (671, 22737), (687, 22818), (696, 22851), (698, 22866), (706, 22929), (707, 22932), (711, 22950), (712, 22953), (714, 22962), (722, 22998), (747, 23112), (753, 23136), (759, 23166), (765, 23190), (780, 23241),

Gene: Skelbel_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for Skelbel_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325), (228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (433, 11820), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837), (809, 12927),

Gene: Skugga_34 Start: 20454, Stop: 23321, Start Num: 60

Candidate Starts for Skugga_34:

(Start: 60 @20454 has 54 MA's), (65, 20478), (101, 20625), (104, 20634), (141, 20787), (188, 21003), (202, 21057), (207, 21078), (215, 21108), (242, 21240), (248, 21261), (272, 21327), (278, 21342), (300, 21405), (310, 21444), (313, 21456), (323, 21489), (333, 21519), (339, 21543), (341, 21546), (345, 21561), (353, 21585), (354, 21588), (363, 21621), (369, 21642), (397, 21735), (421, 21810), (448, 21900), (457, 21927), (464, 21948), (474, 21978), (502, 22071), (515, 22110), (526, 22146), (529, 22155), (537, 22185), (547, 22212), (560, 22251), (562, 22257), (580, 22317), (611, 22407), (614, 22419), (635, 22488), (649, 22548), (654, 22572), (668, 22617), (669, 22620), (687, 22704), (695, 22731), (698, 22752), (706, 22815), (707, 22818), (712, 22839), (714, 22848), (722, 22884), (723, 22896), (747, 22998), (753, 23022), (759, 23052), (765, 23076), (817, 23238), (831, 23277), (838, 23307), (839, 23310),

Gene: Smarties_44 Start: 22548, Stop: 25418, Start Num: 60

Candidate Starts for Smarties_44:

(Start: 60 @22548 has 54 MA's), (65, 22572), (120, 22785), (128, 22830), (141, 22881), (184, 23070), (202, 23151), (207, 23172), (215, 23202), (242, 23334), (272, 23421), (278, 23436), (300, 23499), (313, 23550), (316, 23562), (339, 23637), (345, 23655), (354, 23682), (363, 23715), (369, 23736), (397, 23829), (405, 23856), (406, 23859), (421, 23904), (448, 23994), (474, 24072), (502, 24165), (515, 24204), (522, 24228), (525, 24237), (529, 24249), (533, 24264), (537, 24279), (551, 24318), (562, 24351), (564, 24360), (567, 24369), (575, 24396), (581, 24414), (604, 24477), (611, 24501), (614, 24513), (633, 24573), (635, 24582), (645, 24624), (649, 24642), (654, 24666), (669, 24714), (687, 24798), (695, 24825), (698, 24846), (706, 24909), (707, 24912), (714, 24942), (723, 24990), (727, 25008), (747, 25092), (753, 25116), (759, 25146), (765, 25170), (785, 25236), (817, 25335), (831, 25374), (838, 25404), (839, 25407),

Gene: Snek_16 Start: 9838, Stop: 12117, Start Num: 61

Candidate Starts for Snek_16:

(Start: 61 @9838 has 156 MA's), (117, 10042), (127, 10093), (150, 10195), (167, 10261), (178, 10309), (180, 10315), (203, 10402), (206, 10411), (217, 10453), (227, 10498), (250, 10600), (255, 10618), (332, 10747), (336, 10762), (364, 10804), (383, 10825), (401, 10840), (444, 10951), (470, 11023), (473, 11032), (476, 11041), (480, 11053), (492, 11098), (494, 11104), (499, 11119), (505, 11140), (519, 11185), (543, 11263), (569, 11338), (574, 11356), (646, 11503), (675, 11614), (713, 11677), (719, 11698), (723, 11725), (726, 11740), (748, 11830), (755, 11860), (772, 11926), (820, 12052), (834, 12091),

Gene: Solid_14 Start: 8502, Stop: 11267, Start Num: 62

Candidate Starts for Solid_14:

(Start: 62 @8502 has 45 MA's), (66, 8529), (68, 8535), (70, 8547), (72, 8556), (80, 8592), (90, 8637), (92, 8643), (95, 8649), (101, 8664), (102, 8667), (116, 8715), (123, 8745), (128, 8772), (130, 8781), (139, 8814), (143, 8835), (147, 8856), (153, 8886), (156, 8901), (160, 8919), (164, 8928), (166, 8931), (170, 8949), (181, 9003), (182, 9006), (185, 9021), (187, 9036), (188, 9039), (191, 9051), (197, 9066), (199, 9075), (209, 9111), (212, 9120), (213, 9123), (222, 9165), (224, 9177), (234, 9222), (243, 9267), (249, 9288), (255, 9309), (261, 9330), (266, 9342), (271, 9351), (283, 9384), (285, 9387), (290, 9399),

(293, 9417), (295, 9426), (299, 9438), (301, 9450), (305, 9462), (313, 9492), (314, 9498), (318, 9513), (319, 9519), (323, 9528), (330, 9549), (337, 9573), (346, 9603), (348, 9609), (350, 9615), (360, 9645), (368, 9675), (377, 9708), (380, 9717), (386, 9729), (394, 9765), (403, 9795), (407, 9807), (409, 9816), (412, 9825), (416, 9834), (421, 9849), (423, 9858), (426, 9867), (433, 9888), (441, 9912), (442, 9915), (444, 9921), (446, 9930), (447, 9933), (453, 9954), (462, 9978), (467, 9996), (468, 9999), (473, 10014), (475, 10020), (476, 10023), (481, 10041), (488, 10068), (491, 10074), (492, 10077), (495, 10086), (496, 10089), (498, 10095), (502, 10110), (506, 10122), (508, 10128), (518, 10161), (523, 10176), (526, 10185), (528, 10191), (529, 10194), (530, 10197), (535, 10215), (537, 10224), (538, 10227), (548, 10251), (554, 10269), (582, 10359), (587, 10371), (592, 10380), (597, 10389), (624, 10491), (628, 10515), (635, 10533), (646, 10578), (651, 10599), (652, 10608), (659, 10641), (669, 10668), (679, 10710), (680, 10719), (688, 10731), (691, 10743), (693, 10752), (703, 10773), (711, 10806), (713, 10815), (714, 10818), (715, 10821), (719, 10839), (720, 10842), (721, 10851), (725, 10875), (728, 10887), (730, 10896), (733, 10905), (741, 10938), (742, 10941), (744, 10965), (751, 10992), (755, 11004), (762, 11034), (764, 11040), (765, 11049), (767, 11058), (780, 11100), (784, 11112), (794, 11148), (799, 11166), (801, 11169), (804, 11175), (825, 11244), (830, 11253), (832, 11262),

Gene: Sooty_16 Start: 10245, Stop: 12665, Start Num: 61

Candidate Starts for Sooty_16:

(Start: 61 @10245 has 156 MA's), (80, 10332), (97, 10389), (113, 10437), (117, 10449), (128, 10509), (152, 10620), (174, 10701), (205, 10827), (210, 10842), (223, 10896), (269, 11070), (299, 11154), (304, 11175), (315, 11196), (324, 11217), (342, 11268), (383, 11343), (400, 11364), (416, 11397), (436, 11454), (450, 11496), (454, 11511), (471, 11562), (482, 11598), (515, 11706), (521, 11727), (534, 11769), (537, 11781), (558, 11835), (572, 11883), (622, 11979), (669, 12135), (674, 12156), (686, 12168), (713, 12219), (745, 12369), (755, 12405), (763, 12438), (821, 12597),

Gene: SpecialK_16 Start: 10242, Stop: 12662, Start Num: 61

Candidate Starts for SpecialK_16:

(Start: 61 @10242 has 156 MA's), (80, 10329), (113, 10434), (117, 10446), (128, 10506), (152, 10617), (174, 10698), (205, 10824), (210, 10839), (223, 10893), (269, 11067), (299, 11151), (304, 11172), (324, 11214), (383, 11340), (400, 11361), (416, 11394), (436, 11451), (450, 11493), (454, 11508), (471, 11559), (482, 11595), (483, 11601), (515, 11703), (521, 11724), (534, 11766), (556, 11826), (558, 11832), (572, 11880), (622, 11976), (674, 12153), (686, 12165), (713, 12216), (730, 12297), (745, 12366), (755, 12402), (778, 12483), (784, 12498), (810, 12570), (821, 12594),

Gene: Stormborn_14 Start: 8516, Stop: 11281, Start Num: 62

Candidate Starts for Stormborn_14:

(Start: 62 @8516 has 45 MA's), (66, 8543), (68, 8549), (70, 8561), (79, 8603), (80, 8606), (90, 8651), (92, 8657), (95, 8663), (101, 8678), (102, 8681), (116, 8729), (123, 8759), (128, 8786), (130, 8795), (139, 8828), (143, 8849), (147, 8870), (153, 8900), (156, 8915), (160, 8933), (164, 8942), (166, 8945), (170, 8963), (182, 9020), (185, 9035), (187, 9050), (188, 9053), (191, 9065), (197, 9080), (198, 9083), (199, 9089), (209, 9125), (212, 9134), (213, 9137), (222, 9179), (224, 9191), (234, 9236), (243, 9281), (249, 9302), (255, 9323), (261, 9344), (266, 9356), (271, 9365), (276, 9377), (283, 9398), (285, 9401), (290, 9413), (293, 9431), (295, 9440), (299, 9452), (301, 9464), (305, 9476), (307, 9485), (313, 9506), (314, 9512), (318, 9527), (319, 9533), (323, 9542), (330, 9563), (337, 9587), (341, 9599), (346, 9617), (350, 9629), (353, 9638), (354, 9641), (360, 9659), (368, 9689), (377, 9722), (380, 9731), (386, 9743), (394, 9779), (403, 9809), (407, 9821), (412, 9839), (416, 9848), (421, 9863), (423, 9872), (426, 9881), (433, 9902), (437, 9914), (442, 9929), (444, 9935), (446, 9944), (453, 9968), (462, 9992), (467, 10010), (473, 10028), (475, 10034), (476, 10037), (479, 10046), (480, 10049), (481, 10055), (486, 10076), (488, 10082), (492, 10091), (495, 10100), (496, 10103), (498, 10109), (505, 10133), (506, 10136), (509, 10145), (521, 10184), (523, 10190), (526, 10199), (528, 10205), (529, 10208), (535, 10229), (536, 10232), (537, 10238), (547, 10262), (548, 10265), (551, 10274), (554, 10283), (565, 10319), (582, 10373), (587, 10385), (592, 10394), (597, 10403), (601, 10418), (620, 10493), (624, 10505), (635, 10547), (646, 10592), (651, 10613), (652, 10622), (659, 10655), (669, 10682), (679, 10724),

(680, 10733), (688, 10745), (691, 10757), (693, 10766), (703, 10787), (711, 10820), (714, 10832), (715, 10835), (719, 10853), (720, 10856), (721, 10865), (725, 10889), (728, 10901), (730, 10910), (733, 10919), (737, 10931), (741, 10952), (742, 10955), (744, 10979), (755, 11018), (762, 11048), (764, 11054), (765, 11063), (767, 11072), (780, 11114), (784, 11126), (794, 11162), (799, 11180), (801, 11183), (825, 11258), (832, 11276),

Gene: Studio_18 Start: 9327, Stop: 11615, Start Num: 56

Candidate Starts for Studio_18:

(Start: 56 @9327 has 3 MA's), (Start: 57 @9330 has 8 MA's), (127, 9588), (178, 9804), (179, 9807), (217, 9948), (250, 10095), (262, 10137), (278, 10158), (346, 10305), (349, 10314), (383, 10368), (400, 10371), (401, 10374), (451, 10509), (473, 10566), (486, 10614), (509, 10686), (516, 10707), (522, 10728), (525, 10737), (527, 10743), (532, 10761), (533, 10764), (536, 10773), (541, 10791), (546, 10803), (554, 10824), (555, 10827), (556, 10830), (569, 10872), (577, 10899), (578, 10902), (642, 11022), (650, 11055), (654, 11076), (655, 11079), (675, 11148), (677, 11154), (724, 11265), (725, 11268), (745, 11361), (748, 11367), (757, 11409), (759, 11418), (765, 11442), (767, 11451), (774, 11469), (829, 11610),

Gene: Stuu_16 Start: 10335, Stop: 12755, Start Num: 61

Candidate Starts for Stuu_16:

(Start: 61 @10335 has 156 MA's), (80, 10422), (113, 10527), (117, 10539), (128, 10599), (152, 10710), (174, 10791), (205, 10917), (210, 10932), (223, 10986), (269, 11160), (299, 11244), (304, 11265), (324, 11307), (383, 11433), (400, 11454), (416, 11487), (436, 11544), (450, 11586), (454, 11601), (471, 11652), (482, 11688), (483, 11694), (515, 11796), (521, 11817), (534, 11859), (556, 11919), (558, 11925), (572, 11973), (622, 12069), (669, 12225), (674, 12246), (686, 12258), (713, 12309), (745, 12459), (755, 12495), (810, 12663), (821, 12687),

Gene: SuMoo_14 Start: 9221, Stop: 12058, Start Num: 16

Candidate Starts for SuMoo_14:

(Start: 16 @9221 has 7 MA's), (71, 9584), (80, 9617), (98, 9689), (102, 9698), (118, 9752), (136, 9836), (144, 9866), (155, 9914), (158, 9935), (208, 10115), (254, 10304), (260, 10325), (331, 10529), (333, 10535), (337, 10550), (344, 10571), (442, 10745), (457, 10796), (498, 10895), (508, 10928), (533, 11009), (541, 11036), (552, 11063), (554, 11069), (579, 11150), (582, 11159), (591, 11180), (633, 11360), (720, 11612), (724, 11642), (728, 11657),

Gene: Subaru_16 Start: 10704, Stop: 13028, Start Num: 61

Candidate Starts for Subaru_16:

(Start: 61 @10704 has 156 MA's), (96, 10857), (97, 10860), (101, 10869), (122, 10950), (137, 11010), (146, 11055), (162, 11127), (181, 11208), (182, 11211), (187, 11241), (206, 11295), (215, 11325), (228, 11382), (234, 11406), (247, 11466), (249, 11472), (256, 11496), (295, 11592), (344, 11691), (421, 11787), (446, 11859), (462, 11907), (481, 11961), (494, 12003), (506, 12042), (512, 12060), (525, 12102), (556, 12195), (638, 12366), (642, 12381), (672, 12492), (724, 12624), (725, 12627), (734, 12660), (750, 12738), (759, 12777), (777, 12837), (809, 12927),

Gene: Sucha_16 Start: 10506, Stop: 12797, Start Num: 67

Candidate Starts for Sucha_16:

(Start: 67 @10506 has 19 MA's), (101, 10623), (111, 10656), (145, 10797), (162, 10875), (203, 11031), (217, 11082), (228, 11133), (232, 11154), (268, 11268), (274, 11271), (286, 11292), (322, 11349), (387, 11478), (390, 11481), (394, 11499), (400, 11517), (411, 11541), (464, 11703), (488, 11784), (494, 11802), (500, 11823), (511, 11856), (512, 11859), (546, 11964), (554, 11988), (578, 12066), (579, 12069), (591, 12099), (606, 12144), (640, 12177), (665, 12276), (675, 12312), (677, 12318), (707, 12345), (716, 12384), (724, 12429), (727, 12441), (730, 12453), (733, 12462), (734, 12465), (759, 12579), (775, 12630), (781, 12645),

Gene: Sue2_16 Start: 10752, Stop: 13142, Start Num: 61

Candidate Starts for Sue2_16:

(Start: 61 @10752 has 156 MA's), (69, 10785), (101, 10905), (112, 10941), (127, 11007), (150, 11109), (178, 11223), (180, 11229), (203, 11316), (206, 11325), (217, 11367), (250, 11514), (349, 11790), (416, 11874), (452, 11985), (477, 12063), (479, 12069), (481, 12078), (488, 12105), (519, 12204), (552, 12303), (556, 12315), (564, 12342), (569, 12357), (571, 12366), (574, 12375), (591, 12420), (642, 12507), (652, 12552), (710, 12675), (722, 12732), (724, 12750), (725, 12753), (738, 12801), (750, 12864), (759, 12903), (821, 13077),

Gene: Sunny_ Start: 22698, Stop: 25562, Start Num: 60

Candidate Starts for Sunny_:

(Start: 60 @22698 has 54 MA's), (65, 22722), (109, 22893), (131, 22992), (141, 23031), (192, 23265), (207, 23322), (242, 23484), (248, 23505), (272, 23571), (278, 23586), (284, 23604), (300, 23649), (310, 23688), (313, 23700), (339, 23787), (341, 23790), (345, 23805), (353, 23829), (363, 23865), (369, 23886), (397, 23979), (404, 24003), (421, 24054), (474, 24222), (484, 24258), (492, 24282), (502, 24315), (515, 24354), (519, 24369), (522, 24378), (526, 24390), (529, 24399), (539, 24435), (550, 24465), (567, 24519), (597, 24600), (611, 24651), (635, 24732), (649, 24792), (652, 24807), (654, 24816), (658, 24834), (661, 24843), (687, 24948), (690, 24960), (695, 24975), (698, 24996), (701, 25029), (703, 25047), (712, 25083), (729, 25167), (747, 25242), (753, 25266), (759, 25296), (765, 25320), (809, 25464), (816, 25485), (818, 25491), (833, 25530), (836, 25551),

Gene: Supakev_14 Start: 9740, Stop: 12298, Start Num: 61

Candidate Starts for Supakev_14:

(Start: 61 @9740 has 156 MA's), (64, 9749), (69, 9779), (88, 9869), (114, 9965), (124, 10010), (128, 10028), (168, 10196), (189, 10292), (190, 10295), (193, 10310), (222, 10397), (277, 10601), (278, 10604), (305, 10688), (399, 10994), (418, 11054), (424, 11072), (426, 11078), (437, 11111), (441, 11123), (452, 11159), (461, 11186), (468, 11210), (470, 11216), (486, 11273), (494, 11297), (497, 11306), (501, 11321), (509, 11345), (513, 11357), (519, 11378), (521, 11384), (528, 11405), (535, 11429), (537, 11438), (543, 11456), (552, 11477), (554, 11483), (558, 11495), (568, 11528), (569, 11531), (572, 11543), (577, 11558), (578, 11561), (608, 11648), (655, 11738), (656, 11741), (672, 11792), (710, 11849), (711, 11858), (724, 11924), (725, 11927), (739, 11981), (745, 12020), (757, 12068), (759, 12077), (765, 12101), (768, 12113), (802, 12209), (814, 12239),

Gene: SuperHands_15 Start: 11062, Stop: 13983, Start Num: 16

Candidate Starts for SuperHands_15:

(Start: 16 @11062 has 7 MA's), (29, 11245), (32, 11269), (49, 11341), (73, 11449), (86, 11509), (134, 11704), (164, 11839), (171, 11863), (172, 11866), (205, 11992), (208, 12001), (220, 12043), (235, 12109), (279, 12256), (298, 12316), (331, 12415), (347, 12466), (381, 12496), (423, 12580), (442, 12631), (452, 12664), (513, 12862), (541, 12955), (552, 12982), (563, 13015), (569, 13036), (579, 13069), (591, 13099), (607, 13147), (619, 13198), (645, 13330), (707, 13477), (738, 13609), (759, 13711), (776, 13768), (779, 13777), (808, 13870), (824, 13912), (835, 13948),

Gene: Supernova_14 Start: 8521, Stop: 11286, Start Num: 62

Candidate Starts for Supernova_14:

(Start: 62 @8521 has 45 MA's), (66, 8548), (68, 8554), (70, 8566), (79, 8608), (80, 8611), (90, 8656), (92, 8662), (101, 8683), (102, 8686), (116, 8734), (123, 8764), (128, 8791), (130, 8800), (139, 8833), (143, 8854), (147, 8875), (153, 8905), (156, 8920), (160, 8938), (164, 8947), (166, 8950), (170, 8968), (181, 9022), (182, 9025), (185, 9040), (187, 9055), (188, 9058), (191, 9070), (197, 9085), (199, 9094), (209, 9130), (212, 9139), (213, 9142), (222, 9184), (224, 9196), (234, 9241), (240, 9271), (243, 9286), (246, 9298), (255, 9328), (266, 9361), (276, 9382), (283, 9403), (285, 9406), (290, 9418), (293, 9436), (295, 9445), (299, 9457), (301, 9469), (305, 9481), (307, 9490), (313, 9511), (314, 9517), (318, 9532), (319, 9538), (323, 9547), (330, 9568), (337, 9592), (346, 9622), (348, 9628), (350, 9634), (354, 9646), (360, 9664), (368, 9694), (371, 9706), (377, 9727), (380, 9736), (386, 9748), (393, 9781), (394, 9784),

(397, 9793), (399, 9799), (403, 9814), (407, 9826), (409, 9835), (413, 9847), (416, 9853), (420, 9865), (421, 9868), (423, 9877), (433, 9907), (437, 9919), (442, 9934), (444, 9940), (446, 9949), (462, 9997), (467, 10015), (468, 10018), (469, 10021), (472, 10030), (473, 10033), (475, 10039), (476, 10042), (481, 10060), (486, 10081), (488, 10087), (491, 10093), (492, 10096), (495, 10105), (496, 10108), (498, 10114), (502, 10129), (506, 10141), (508, 10147), (509, 10150), (518, 10180), (521, 10189), (523, 10195), (526, 10204), (528, 10210), (529, 10213), (535, 10234), (537, 10243), (538, 10246), (547, 10267), (550, 10276), (551, 10279), (554, 10288), (565, 10324), (568, 10333), (585, 10387), (587, 10390), (592, 10399), (597, 10408), (599, 10417), (620, 10498), (624, 10510), (635, 10552), (646, 10597), (651, 10618), (652, 10627), (659, 10660), (669, 10687), (679, 10729), (680, 10738), (688, 10750), (691, 10762), (693, 10771), (710, 10816), (711, 10825), (714, 10837), (715, 10840), (719, 10858), (720, 10861), (721, 10870), (725, 10894), (728, 10906), (730, 10915), (733, 10924), (744, 10984), (755, 11023), (762, 11053), (764, 11059), (765, 11068), (774, 11101), (780, 11119), (784, 11131), (799, 11185), (801, 11188), (804, 11194), (825, 11263), (830, 11272), (832, 11281),

Gene: Suppi_18 Start: 12647, Stop: 15202, Start Num: 61

Candidate Starts for Suppi_18:

(55, 12626), (Start: 61 @12647 has 156 MA's), (70, 12695), (88, 12776), (93, 12800), (114, 12872), (126, 12920), (128, 12935), (129, 12941), (168, 13103), (178, 13148), (189, 13199), (190, 13202), (201, 13232), (236, 13370), (270, 13493), (294, 13553), (300, 13571), (303, 13586), (317, 13637), (390, 13868), (409, 13937), (418, 13961), (424, 13979), (426, 13985), (444, 14039), (447, 14051), (453, 14072), (462, 14096), (487, 14183), (495, 14207), (497, 14213), (498, 14216), (501, 14228), (508, 14249), (509, 14252), (511, 14258), (513, 14264), (516, 14273), (518, 14282), (519, 14285), (521, 14291), (529, 14315), (535, 14336), (537, 14345), (543, 14363), (552, 14384), (555, 14393), (558, 14402), (568, 14435), (569, 14438), (571, 14447), (572, 14450), (591, 14501), (643, 14591), (672, 14699), (674, 14711), (689, 14732), (692, 14735), (724, 14831), (725, 14834), (739, 14888), (745, 14927), (759, 14984), (772, 15026), (789, 15074), (802, 15116), (814, 15146),

Gene: TMaxx_17 Start: 9424, Stop: 11712, Start Num: 57

Candidate Starts for TMaxx_17:

(Start: 57 @9424 has 8 MA's), (150, 9784), (151, 9787), (178, 9898), (179, 9901), (180, 9904), (217, 10042), (250, 10189), (258, 10219), (287, 10270), (334, 10360), (367, 10441), (422, 10516), (435, 10552), (439, 10564), (440, 10567), (450, 10600), (473, 10660), (491, 10723), (493, 10729), (494, 10732), (500, 10753), (502, 10759), (507, 10774), (516, 10801), (519, 10813), (522, 10822), (528, 10840), (532, 10855), (533, 10858), (536, 10867), (537, 10873), (541, 10885), (552, 10912), (558, 10930), (564, 10951), (569, 10966), (669, 11218), (674, 11239), (675, 11242), (724, 11359), (725, 11362), (745, 11455), (759, 11512), (765, 11536), (767, 11545), (774, 11563), (792, 11614), (800, 11629), (809, 11653),

Gene: Tallboi_16 Start: 10731, Stop: 13055, Start Num: 61

Candidate Starts for Tallboi_16:

(Start: 61 @10731 has 156 MA's), (94, 10878), (97, 10887), (122, 10977), (137, 11037), (146, 11082), (162, 11154), (176, 11214), (182, 11238), (187, 11268), (206, 11322), (215, 11352), (228, 11409), (234, 11433), (247, 11493), (249, 11499), (344, 11718), (446, 11886), (462, 11934), (481, 11988), (494, 12030), (506, 12069), (525, 12129), (556, 12222), (640, 12399), (642, 12408), (672, 12519), (724, 12651), (725, 12654), (734, 12687), (750, 12765), (759, 12804), (777, 12864), (789, 12894), (809, 12954),

Gene: TattModd_18 Start: 12617, Stop: 15178, Start Num: 61

Candidate Starts for TattModd_18:

(55, 12596), (Start: 61 @12617 has 156 MA's), (70, 12665), (76, 12698), (88, 12746), (93, 12770), (95, 12782), (114, 12842), (126, 12890), (128, 12905), (129, 12911), (156, 13031), (168, 13073), (189, 13169), (190, 13172), (201, 13202), (218, 13256), (249, 13397), (255, 13418), (262, 13442), (270, 13463), (274, 13472), (294, 13523), (300, 13541), (356, 13727), (399, 13871), (408, 13904), (418,

13931), (424, 13949), (426, 13955), (434, 13979), (437, 13988), (452, 14036), (461, 14063), (470, 14093), (472, 14099), (486, 14150), (491, 14165), (495, 14177), (497, 14183), (498, 14186), (500, 14195), (509, 14222), (513, 14234), (516, 14243), (519, 14255), (521, 14261), (528, 14282), (535, 14306), (537, 14315), (552, 14354), (558, 14372), (568, 14405), (569, 14408), (571, 14417), (572, 14420), (577, 14435), (608, 14525), (643, 14561), (672, 14669), (692, 14705), (724, 14801), (725, 14804), (739, 14858), (745, 14897), (757, 14945), (759, 14954), (765, 14978), (772, 14996), (789, 15047), (797, 15071), (802, 15089), (814, 15119),

Gene: Tbone_16 Start: 10734, Stop: 13049, Start Num: 61

Candidate Starts for Tbone_16:

(Start: 61 @10734 has 156 MA's), (97, 10890), (101, 10899), (122, 10980), (124, 10992), (137, 11040), (138, 11043), (146, 11085), (162, 11157), (181, 11238), (182, 11241), (187, 11271), (206, 11325), (215, 11355), (228, 11412), (234, 11436), (247, 11496), (344, 11721), (421, 11817), (444, 11880), (446, 11889), (462, 11937), (468, 11958), (481, 11991), (494, 12033), (506, 12072), (525, 12132), (572, 12273), (640, 12402), (642, 12411), (648, 12435), (655, 12468), (666, 12504), (672, 12522), (721, 12633), (724, 12654), (725, 12657), (734, 12690), (750, 12768), (759, 12807), (777, 12867), (789, 12897), (809, 12948), (825, 12993), (837, 13038),

Gene: Teamocil_37 Start: 20537, Stop: 23404, Start Num: 60

Candidate Starts for Teamocil_37:

(Start: 60 @20537 has 54 MA's), (65, 20561), (104, 20717), (141, 20870), (202, 21140), (207, 21161), (215, 21191), (242, 21323), (248, 21344), (278, 21425), (300, 21488), (313, 21539), (323, 21572), (333, 21602), (339, 21626), (341, 21629), (345, 21644), (353, 21668), (354, 21671), (363, 21704), (369, 21725), (397, 21818), (421, 21893), (448, 21983), (457, 22010), (464, 22031), (474, 22061), (502, 22154), (515, 22193), (526, 22229), (529, 22238), (537, 22268), (547, 22295), (560, 22334), (562, 22340), (580, 22400), (611, 22490), (614, 22502), (635, 22571), (649, 22631), (654, 22655), (669, 22703), (687, 22787), (695, 22814), (698, 22835), (706, 22898), (707, 22901), (712, 22922), (714, 22931), (722, 22967), (723, 22979), (747, 23081), (753, 23105), (759, 23135), (817, 23321), (831, 23360), (838, 23390), (839, 23393),

Gene: Temper16_14 Start: 9744, Stop: 12302, Start Num: 61

Candidate Starts for Temper16_14:

(Start: 61 @9744 has 156 MA's), (64, 9753), (69, 9783), (88, 9873), (95, 9909), (126, 10017), (128, 10032), (168, 10200), (189, 10296), (262, 10569), (270, 10590), (282, 10620), (294, 10650), (317, 10737), (357, 10860), (380, 10935), (399, 10998), (408, 11031), (416, 11052), (418, 11058), (424, 11076), (426, 11082), (434, 11106), (447, 11148), (452, 11163), (453, 11169), (463, 11196), (479, 11247), (487, 11280), (490, 11289), (497, 11310), (500, 11322), (509, 11349), (513, 11361), (516, 11370), (519, 11382), (521, 11388), (522, 11391), (529, 11412), (537, 11442), (543, 11460), (552, 11481), (555, 11490), (558, 11499), (568, 11532), (569, 11535), (572, 11547), (577, 11562), (607, 11646), (608, 11652), (643, 11688), (656, 11745), (657, 11754), (672, 11796), (710, 11853), (724, 11928), (725, 11931), (733, 11961), (739, 11985), (750, 12042), (757, 12072), (759, 12081), (765, 12105), (768, 12117), (814, 12243),

Gene: Terij_32 Start: 20048, Stop: 22894, Start Num: 60

Candidate Starts for Terij_32:

(Start: 60 @20048 has 54 MA's), (65, 20075), (93, 20198), (120, 20288), (130, 20345), (140, 20384), (147, 20420), (188, 20603), (195, 20633), (207, 20678), (215, 20708), (242, 20840), (278, 20942), (300, 21005), (333, 21119), (339, 21143), (354, 21188), (363, 21221), (369, 21242), (397, 21335), (402, 21353), (405, 21362), (421, 21410), (435, 21458), (448, 21500), (502, 21671), (526, 21746), (529, 21755), (530, 21758), (539, 21791), (560, 21851), (605, 21986), (611, 22007), (633, 22079), (635, 22088), (645, 22130), (654, 22172), (663, 22205), (678, 22256), (680, 22271), (683, 22283), (687, 22304), (695, 22331), (696, 22337), (698, 22352), (706, 22415), (712, 22439), (753, 22622), (756, 22634), (759, 22652), (763, 22664), (765, 22676), (782, 22715), (806, 22796), (811, 22802),

(815, 22817), (836, 22883),

Gene: TforTroy_16 Start: 10854, Stop: 13178, Start Num: 61

Candidate Starts for TforTroy_16:

(Start: 61 @10854 has 156 MA's), (97, 11010), (101, 11019), (102, 11022), (104, 11028), (122, 11100), (137, 11160), (162, 11277), (181, 11358), (182, 11361), (187, 11391), (206, 11445), (215, 11475), (228, 11532), (234, 11556), (247, 11616), (249, 11622), (296, 11745), (344, 11841), (446, 12009), (462, 12057), (481, 12111), (494, 12153), (506, 12192), (525, 12252), (556, 12345), (623, 12480), (637, 12513), (640, 12522), (672, 12642), (724, 12774), (725, 12777), (750, 12888), (759, 12927),

Gene: ThursdayNight_14 Start: 9237, Stop: 11804, Start Num: 61

Candidate Starts for ThursdayNight_14:

(Start: 61 @9237 has 156 MA's), (80, 9324), (106, 9405), (108, 9411), (112, 9426), (127, 9492), (150, 9594), (170, 9669), (178, 9708), (180, 9714), (203, 9801), (217, 9852), (227, 9897), (250, 9999), (255, 10017), (261, 10038), (275, 10074), (352, 10332), (427, 10578), (446, 10638), (468, 10695), (470, 10701), (473, 10710), (492, 10776), (494, 10782), (499, 10797), (501, 10806), (519, 10863), (529, 10893), (546, 10947), (552, 10962), (558, 10980), (562, 10992), (569, 11016), (574, 11034), (599, 11100), (724, 11409), (725, 11412), (741, 11478), (745, 11505), (759, 11562), (767, 11595), (787, 11646), (828, 11760),

Gene: Tian_16 Start: 10746, Stop: 13070, Start Num: 61

Candidate Starts for Tian_16:

(Start: 61 @10746 has 156 MA's), (97, 10902), (101, 10911), (122, 10992), (137, 11052), (146, 11097), (162, 11169), (176, 11229), (181, 11250), (182, 11253), (187, 11283), (206, 11337), (215, 11367), (228, 11424), (234, 11448), (247, 11508), (249, 11514), (295, 11634), (344, 11733), (421, 11829), (446, 11901), (462, 11949), (468, 11970), (481, 12003), (494, 12045), (506, 12084), (525, 12144), (530, 12159), (552, 12225), (597, 12348), (608, 12357), (640, 12414), (642, 12423), (655, 12480), (656, 12483), (672, 12534), (724, 12666), (725, 12669), (750, 12780), (759, 12819), (765, 12843), (809, 12969),

Gene: TripleC_20 Start: 12930, Stop: 15218, Start Num: 57

Candidate Starts for TripleC_20:

(Start: 57 @12930 has 8 MA's), (82, 13035), (150, 13290), (151, 13293), (167, 13356), (178, 13404), (179, 13407), (180, 13410), (217, 13548), (250, 13695), (258, 13725), (287, 13776), (334, 13866), (367, 13947), (418, 14007), (435, 14058), (439, 14070), (440, 14073), (473, 14166), (479, 14184), (480, 14187), (491, 14229), (493, 14235), (494, 14238), (501, 14262), (521, 14325), (522, 14328), (528, 14346), (536, 14373), (543, 14397), (549, 14412), (552, 14418), (556, 14430), (558, 14436), (564, 14457), (565, 14460), (569, 14472), (574, 14490), (640, 14613), (645, 14634), (669, 14724), (674, 14745), (675, 14748), (706, 14778), (721, 14844), (724, 14865), (725, 14868), (734, 14901), (745, 14961), (759, 15018), (765, 15042), (767, 15051), (800, 15135), (809, 15159),

Gene: Tuck_17 Start: 11773, Stop: 14250, Start Num: 61

Candidate Starts for Tuck_17:

(Start: 61 @11773 has 156 MA's), (97, 11929), (101, 11938), (122, 12019), (137, 12079), (146, 12124), (162, 12196), (182, 12280), (187, 12310), (206, 12364), (215, 12394), (228, 12451), (234, 12475), (247, 12535), (249, 12541), (256, 12565), (288, 12643), (294, 12676), (331, 12811), (344, 12853), (384, 12952), (422, 13024), (438, 13063), (446, 13090), (462, 13138), (472, 13171), (494, 13234), (512, 13291), (525, 13333), (530, 13348), (556, 13426), (609, 13549), (638, 13597), (642, 13612), (666, 13705), (672, 13723), (674, 13735), (724, 13855), (725, 13858), (750, 13969), (759, 14008), (789, 14098),

Gene: Turab_16 Start: 10733, Stop: 13057, Start Num: 61

Candidate Starts for Turab_16:

(Start: 61 @10733 has 156 MA's), (97, 10889), (101, 10898), (106, 10913), (122, 10979), (137, 11039), (146, 11084), (162, 11156), (181, 11237), (182, 11240), (187, 11270), (206, 11324), (215, 11354), (228, 11411), (234, 11435), (247, 11495), (249, 11501), (344, 11720), (421, 11816), (433, 11849), (462, 11936), (481, 11990), (494, 12032), (506, 12071), (525, 12131), (572, 12272), (640, 12401), (642, 12410), (672, 12521), (724, 12653), (725, 12656), (734, 12689), (750, 12767), (759, 12806), (777, 12866), (809, 12956),

Gene: TurboVicky_19 Start: 13340, Stop: 15328, Start Num: 67

Candidate Starts for TurboVicky_19:

(Start: 67 @13340 has 19 MA's), (76, 13379), (111, 13490), (117, 13505), (120, 13517), (162, 13709), (170, 13733), (179, 13775), (217, 13916), (230, 13982), (254, 14078), (325, 14189), (378, 14291), (390, 14315), (415, 14384), (425, 14417), (504, 14582), (563, 14630), (566, 14642), (571, 14660), (641, 14762), (644, 14774), (645, 14780), (740, 15035), (754, 15101), (768, 15161), (822, 15302),

Gene: Tutumahutu_16 Start: 10781, Stop: 13096, Start Num: 61

Candidate Starts for Tutumahutu_16:

(Start: 61 @10781 has 156 MA's), (97, 10937), (101, 10946), (122, 11027), (124, 11039), (137, 11087), (138, 11090), (146, 11132), (162, 11204), (181, 11285), (182, 11288), (187, 11318), (206, 11372), (215, 11402), (228, 11459), (234, 11483), (247, 11543), (344, 11768), (421, 11864), (444, 11927), (446, 11936), (462, 11984), (464, 11993), (468, 12005), (481, 12038), (494, 12080), (506, 12119), (525, 12179), (572, 12320), (609, 12395), (623, 12407), (640, 12449), (642, 12458), (648, 12482), (666, 12551), (672, 12569), (674, 12581), (721, 12680), (724, 12701), (725, 12704), (734, 12737), (750, 12815), (759, 12854), (777, 12914), (789, 12944), (809, 12995), (825, 13040), (837, 13085),

Gene: Tweety19_16 Start: 9837, Stop: 12116, Start Num: 61

Candidate Starts for Tweety19_16:

(Start: 61 @9837 has 156 MA's), (117, 10041), (127, 10092), (150, 10194), (167, 10260), (178, 10308), (180, 10314), (203, 10401), (206, 10410), (217, 10452), (227, 10497), (250, 10599), (255, 10617), (332, 10746), (336, 10761), (364, 10803), (383, 10824), (401, 10839), (444, 10950), (470, 11022), (473, 11031), (476, 11040), (480, 11052), (492, 11097), (494, 11103), (499, 11118), (505, 11139), (519, 11184), (543, 11262), (569, 11337), (574, 11355), (646, 11502), (675, 11613), (713, 11676), (719, 11697), (723, 11724), (726, 11739), (748, 11829), (755, 11859), (772, 11925), (820, 12051), (834, 12090),

Gene: Typher_21 Start: 13470, Stop: 15458, Start Num: 67

Candidate Starts for Typher_21:

(Start: 67 @13470 has 19 MA's), (76, 13509), (111, 13620), (117, 13635), (120, 13647), (162, 13839), (170, 13863), (179, 13905), (217, 14046), (230, 14112), (254, 14208), (325, 14319), (378, 14421), (390, 14445), (415, 14514), (425, 14547), (504, 14712), (522, 14745), (563, 14760), (566, 14772), (571, 14790), (644, 14904), (645, 14910), (740, 15165), (754, 15231), (768, 15291), (822, 15432),

Gene: Urla_14 Start: 9754, Stop: 12303, Start Num: 61

Candidate Starts for Urla_14:

(Start: 61 @9754 has 156 MA's), (88, 9883), (95, 9919), (126, 10027), (128, 10042), (161, 10189), (168, 10210), (189, 10306), (219, 10396), (270, 10600), (294, 10660), (296, 10669), (399, 10996), (416, 11050), (418, 11056), (424, 11074), (437, 11113), (452, 11161), (472, 11224), (487, 11278), (495, 11302), (497, 11308), (509, 11347), (513, 11359), (518, 11377), (519, 11380), (521, 11386), (522, 11389), (528, 11407), (537, 11440), (543, 11458), (552, 11479), (555, 11488), (558, 11497), (568, 11530), (569, 11533), (571, 11542), (572, 11545), (577, 11560), (607, 11644), (643, 11686), (672, 11794), (674, 11806), (710, 11851), (711, 11860), (724, 11926), (725, 11929), (739, 11983), (745, 12022), (757, 12070), (759, 12079), (765, 12103), (768, 12115), (789, 12172), (790, 12178), (814, 12244), (827, 12286),

Gene: VResidence_16 Start: 10828, Stop: 13143, Start Num: 61

Candidate Starts for VResidence_16:

(Start: 61 @10828 has 156 MA's), (69, 10861), (80, 10915), (102, 10984), (133, 11116), (140, 11143), (157, 11224), (171, 11275), (174, 11284), (190, 11368), (223, 11479), (234, 11530), (256, 11620), (269, 11644), (280, 11671), (317, 11764), (419, 11956), (428, 11983), (445, 12016), (454, 12049), (475, 12067), (477, 12073), (489, 12115), (491, 12124), (495, 12136), (517, 12190), (524, 12214), (538, 12256), (540, 12262), (559, 12310), (572, 12355), (578, 12373), (582, 12385), (608, 12430), (640, 12496), (642, 12505), (722, 12730), (724, 12748), (725, 12751), (741, 12817), (750, 12862), (755, 12880), (759, 12901), (796, 13012), (821, 13078),

Gene: Vallejo_18 Start: 12556, Stop: 15117, Start Num: 61

Candidate Starts for Vallejo_18:

(55, 12535), (Start: 61 @12556 has 156 MA's), (70, 12604), (76, 12637), (88, 12685), (93, 12709), (95, 12721), (114, 12781), (126, 12829), (128, 12844), (129, 12850), (156, 12970), (168, 13012), (189, 13108), (190, 13111), (201, 13141), (218, 13195), (219, 13198), (249, 13336), (255, 13357), (262, 13381), (270, 13402), (274, 13411), (294, 13462), (300, 13480), (356, 13666), (399, 13810), (408, 13843), (418, 13870), (424, 13888), (426, 13894), (434, 13918), (437, 13927), (452, 13975), (461, 14002), (462, 14005), (468, 14026), (470, 14032), (472, 14038), (486, 14089), (491, 14104), (495, 14116), (497, 14122), (498, 14125), (500, 14134), (509, 14161), (513, 14173), (516, 14182), (519, 14194), (521, 14200), (528, 14221), (537, 14254), (552, 14293), (568, 14344), (569, 14347), (571, 14356), (572, 14359), (577, 14374), (608, 14464), (643, 14500), (672, 14608), (692, 14644), (724, 14740), (725, 14743), (739, 14797), (745, 14836), (757, 14884), (759, 14893), (765, 14917), (772, 14935), (789, 14986), (797, 15010), (802, 15028), (814, 15058),

Gene: Vibaki_19 Start: 15202, Stop: 18351, Start Num: 2

Candidate Starts for Vibaki_19:

(Start: 2 @15202 has 4 MA's), (3, 15223), (4, 15247), (10, 15397), (13, 15451), (15, 15475), (18, 15586), (22, 15643), (24, 15652), (28, 15685), (39, 15757), (74, 15904), (77, 15922), (89, 15970), (102, 16012), (136, 16159), (211, 16465), (227, 16540), (231, 16564), (259, 16675), (272, 16708), (274, 16714), (282, 16735), (300, 16792), (314, 16846), (331, 16897), (350, 16960), (359, 16987), (389, 17089), (397, 17119), (408, 17158), (436, 17245), (448, 17284), (458, 17317), (478, 17380), (488, 17419), (502, 17464), (513, 17497), (518, 17515), (531, 17554), (543, 17587), (554, 17608), (560, 17626), (606, 17761), (607, 17764), (652, 17848), (657, 17872), (677, 17941), (717, 18013), (732, 18082), (735, 18091), (741, 18121), (751, 18175), (775, 18238), (780, 18250), (798, 18298),

Gene: VroomVroom_15 Start: 8983, Stop: 11226, Start Num: 61

Candidate Starts for VroomVroom_15:

(Start: 61 @8983 has 156 MA's), (80, 9070), (106, 9151), (112, 9172), (127, 9238), (151, 9343), (178, 9454), (180, 9460), (206, 9556), (217, 9598), (250, 9745), (332, 9880), (342, 9907), (364, 9940), (425, 10024), (439, 10063), (451, 10102), (463, 10126), (470, 10150), (473, 10159), (479, 10177), (485, 10204), (490, 10219), (501, 10255), (505, 10267), (519, 10312), (521, 10318), (539, 10378), (546, 10396), (555, 10420), (568, 10462), (569, 10465), (578, 10495), (639, 10603), (724, 10858), (727, 10870), (745, 10954), (748, 10960), (755, 10990),

Gene: Vulture_14 Start: 9738, Stop: 12296, Start Num: 61

Candidate Starts for Vulture_14:

(Start: 61 @9738 has 156 MA's), (64, 9747), (69, 9777), (88, 9867), (114, 9963), (128, 10026), (168, 10194), (189, 10290), (190, 10293), (193, 10308), (222, 10395), (236, 10461), (277, 10599), (278, 10602), (305, 10686), (399, 10992), (418, 11052), (424, 11070), (426, 11076), (437, 11109), (441, 11121), (452, 11157), (461, 11184), (468, 11208), (470, 11214), (486, 11271), (494, 11295), (497, 11304), (501, 11319), (509, 11343), (513, 11355), (519, 11376), (521, 11382), (528, 11403), (535, 11427), (537, 11436), (543, 11454), (552, 11475), (554, 11481), (558, 11493), (568, 11526), (569, 11529), (572, 11541), (577, 11556), (578, 11559), (608, 11646), (655, 11736), (656, 11739), (672,

11790), (710, 11847), (711, 11856), (714, 11868), (724, 11922), (725, 11925), (739, 11979), (745, 12018), (757, 12066), (759, 12075), (765, 12099), (768, 12111), (802, 12207), (814, 12237),

Gene: Waltz_64 Start: 34787, Stop: 37879, Start Num: 44

Candidate Starts for Waltz_64:

(42, 34781), (Start: 44 @34787 has 7 MA's), (51, 34805), (52, 34808), (58, 34838), (76, 34916), (108, 35018), (111, 35030), (127, 35099), (178, 35315), (179, 35318), (180, 35321), (203, 35408), (217, 35459), (227, 35504), (232, 35531), (250, 35606), (255, 35624), (268, 35657), (299, 35702), (304, 35720), (333, 35786), (334, 35789), (346, 35828), (358, 35861), (365, 35882), (369, 35897), (382, 35939), (391, 35969), (399, 35993), (410, 36017), (412, 36023), (418, 36038), (421, 36047), (451, 36140), (457, 36161), (469, 36197), (480, 36230), (494, 36281), (503, 36311), (523, 36374), (537, 36422), (544, 36443), (551, 36461), (555, 36473), (558, 36482), (563, 36497), (569, 36518), (583, 36563), (586, 36572), (596, 36590), (610, 36641), (643, 36671), (645, 36680), (657, 36749), (675, 36806), (731, 36938), (736, 36956), (746, 37010), (749, 37013), (760, 37064), (761, 37067), (781, 37133), (785, 37145), (819, 37244), (826, 37265), (838, 37307), (843, 37397), (844, 37418), (845, 37442), (846, 37451), (847, 37472), (848, 37505), (849, 37514), (853, 37607), (855, 37652), (858, 37718), (860, 37775), (861, 37841),

Gene: Warda_16 Start: 10726, Stop: 13041, Start Num: 61

Candidate Starts for Warda_16:

(Start: 61 @10726 has 156 MA's), (97, 10882), (101, 10891), (122, 10972), (124, 10984), (137, 11032), (138, 11035), (146, 11077), (162, 11149), (181, 11230), (182, 11233), (187, 11263), (206, 11317), (215, 11347), (228, 11404), (234, 11428), (247, 11488), (344, 11713), (421, 11809), (444, 11872), (446, 11881), (462, 11929), (468, 11950), (481, 11983), (494, 12025), (506, 12064), (525, 12124), (572, 12265), (640, 12394), (642, 12403), (648, 12427), (655, 12460), (666, 12496), (672, 12514), (721, 12625), (724, 12646), (725, 12649), (734, 12682), (750, 12760), (759, 12799), (777, 12859), (789, 12889), (809, 12940), (825, 12985), (837, 13030),

Gene: Wawa_18 Start: 12593, Stop: 15154, Start Num: 61

Candidate Starts for Wawa_18:

(55, 12572), (Start: 61 @12593 has 156 MA's), (70, 12641), (76, 12674), (88, 12722), (93, 12746), (95, 12758), (114, 12818), (126, 12866), (128, 12881), (129, 12887), (156, 13007), (168, 13049), (189, 13145), (190, 13148), (201, 13178), (218, 13232), (249, 13373), (255, 13394), (262, 13418), (270, 13439), (274, 13448), (294, 13499), (300, 13517), (356, 13703), (399, 13847), (408, 13880), (418, 13907), (424, 13925), (426, 13931), (434, 13955), (437, 13964), (452, 14012), (461, 14039), (462, 14042), (468, 14063), (470, 14069), (472, 14075), (486, 14126), (491, 14141), (495, 14153), (497, 14159), (498, 14162), (500, 14171), (509, 14198), (513, 14210), (516, 14219), (519, 14231), (521, 14237), (528, 14258), (537, 14291), (552, 14330), (568, 14381), (569, 14384), (571, 14393), (572, 14396), (577, 14411), (608, 14501), (643, 14537), (672, 14645), (692, 14681), (724, 14777), (725, 14780), (739, 14834), (745, 14873), (757, 14921), (759, 14930), (765, 14954), (772, 14972), (789, 15023), (797, 15047), (802, 15065), (814, 15095),

Gene: Wayne_18 Start: 12693, Stop: 15248, Start Num: 61

Candidate Starts for Wayne_18:

(55, 12672), (Start: 61 @12693 has 156 MA's), (70, 12741), (88, 12822), (93, 12846), (114, 12918), (126, 12966), (128, 12981), (129, 12987), (168, 13149), (178, 13194), (189, 13245), (190, 13248), (201, 13278), (236, 13416), (270, 13539), (294, 13599), (300, 13617), (303, 13632), (317, 13683), (390, 13914), (409, 13983), (418, 14007), (424, 14025), (426, 14031), (444, 14085), (447, 14097), (453, 14118), (462, 14142), (487, 14229), (495, 14253), (497, 14259), (498, 14262), (501, 14274), (508, 14295), (509, 14298), (511, 14304), (513, 14310), (518, 14328), (519, 14331), (521, 14337), (535, 14382), (537, 14391), (543, 14409), (552, 14430), (555, 14439), (558, 14448), (568, 14481), (569, 14484), (571, 14493), (572, 14496), (591, 14547), (643, 14637), (672, 14745), (674, 14757), (689, 14778), (692, 14781), (724, 14877), (725, 14880), (739, 14934), (745, 14973), (759, 15030),

(772, 15072), (789, 15120), (802, 15162), (814, 15192),

Gene: Wheelbite_63 Start: 36504, Stop: 39521, Start Num: 44

Candidate Starts for Wheelbite_63:

(Start: 44 @36504 has 7 MA's), (52, 36525), (58, 36555), (Start: 61 @36558 has 156 MA's), (83, 36663), (114, 36756), (127, 36816), (176, 37026), (178, 37032), (179, 37035), (180, 37038), (203, 37125), (217, 37176), (226, 37218), (227, 37221), (244, 37305), (250, 37323), (326, 37473), (379, 37566), (418, 37665), (449, 37761), (464, 37809), (465, 37812), (469, 37824), (476, 37845), (480, 37857), (494, 37908), (523, 38001), (528, 38016), (563, 38124), (566, 38136), (569, 38145), (578, 38175), (586, 38199), (595, 38214), (610, 38268), (645, 38307), (675, 38433), (724, 38538), (741, 38604), (749, 38640), (752, 38658), (758, 38682), (761, 38694), (763, 38703), (765, 38715), (784, 38769), (813, 38850), (819, 38871), (826, 38892), (838, 38934), (839, 38937), (844, 39045), (846, 39078), (847, 39099), (849, 39141), (850, 39147), (851, 39204), (853, 39234), (854, 39243), (856, 39342), (857, 39348), (860, 39417), (862, 39504),

Gene: Wildwest_17 Start: 11664, Stop: 13910, Start Num: 61

Candidate Starts for Wildwest_17:

(Start: 61 @11664 has 156 MA's), (97, 11820), (101, 11829), (110, 11856), (122, 11910), (137, 11970), (162, 12087), (181, 12168), (182, 12171), (187, 12201), (206, 12255), (215, 12285), (228, 12342), (234, 12366), (242, 12408), (247, 12426), (344, 12651), (429, 12771), (446, 12819), (462, 12867), (464, 12876), (494, 12963), (506, 13002), (512, 13020), (525, 13062), (559, 13164), (574, 13209), (579, 13224), (598, 13269), (637, 13323), (640, 13332), (646, 13356), (656, 13380), (689, 13419), (721, 13497), (724, 13518), (725, 13521), (738, 13569), (750, 13632), (755, 13650), (759, 13671), (821, 13845),

Gene: Wizzo_14 Start: 8534, Stop: 11299, Start Num: 62

Candidate Starts for Wizzo_14:

(Start: 62 @8534 has 45 MA's), (66, 8561), (68, 8567), (70, 8579), (72, 8588), (79, 8621), (80, 8624), (90, 8669), (92, 8675), (95, 8681), (101, 8696), (102, 8699), (116, 8747), (123, 8777), (139, 8846), (147, 8888), (153, 8918), (156, 8933), (160, 8951), (164, 8960), (166, 8963), (170, 8981), (181, 9035), (182, 9038), (185, 9053), (187, 9068), (188, 9071), (191, 9083), (199, 9107), (209, 9143), (212, 9152), (222, 9197), (224, 9209), (234, 9254), (243, 9299), (249, 9320), (255, 9341), (266, 9374), (271, 9383), (283, 9416), (285, 9419), (290, 9431), (293, 9449), (295, 9458), (299, 9470), (301, 9482), (305, 9494), (307, 9503), (313, 9524), (314, 9530), (318, 9545), (319, 9551), (323, 9560), (330, 9581), (337, 9605), (346, 9635), (348, 9641), (350, 9647), (354, 9659), (360, 9677), (368, 9707), (371, 9719), (377, 9740), (380, 9749), (386, 9761), (394, 9797), (403, 9827), (407, 9839), (409, 9848), (416, 9866), (421, 9881), (423, 9890), (433, 9920), (442, 9947), (444, 9953), (446, 9962), (462, 10010), (464, 10019), (467, 10028), (468, 10031), (469, 10034), (473, 10046), (475, 10052), (480, 10067), (481, 10073), (488, 10100), (491, 10106), (492, 10109), (496, 10121), (498, 10127), (502, 10142), (506, 10154), (518, 10193), (523, 10208), (526, 10217), (528, 10223), (529, 10226), (530, 10229), (535, 10247), (536, 10250), (537, 10256), (538, 10259), (547, 10280), (548, 10283), (551, 10292), (554, 10301), (565, 10337), (582, 10391), (587, 10403), (592, 10412), (597, 10421), (601, 10436), (616, 10496), (620, 10511), (624, 10523), (635, 10565), (646, 10610), (651, 10631), (652, 10640), (659, 10673), (669, 10700), (679, 10742), (680, 10751), (688, 10763), (691, 10775), (693, 10784), (703, 10805), (711, 10838), (713, 10847), (714, 10850), (715, 10853), (719, 10871), (720, 10874), (721, 10883), (725, 10907), (728, 10919), (730, 10928), (733, 10937), (741, 10970), (742, 10973), (744, 10997), (762, 11066), (764, 11072), (765, 11081), (767, 11090), (780, 11132), (784, 11144), (799, 11198), (801, 11201), (804, 11207), (825, 11276), (830, 11285), (832, 11294),

Gene: WonderBoy_14 Start: 9710, Stop: 12271, Start Num: 61

Candidate Starts for WonderBoy_14:

(55, 9689), (Start: 61 @9710 has 156 MA's), (70, 9758), (88, 9839), (93, 9863), (114, 9935), (126, 9983), (128, 9998), (129, 10004), (168, 10166), (189, 10262), (190, 10265), (201, 10295), (236,

10433), (255, 10511), (270, 10556), (274, 10565), (294, 10616), (300, 10634), (302, 10646), (309, 10670), (375, 10886), (402, 10976), (408, 10997), (418, 11024), (424, 11042), (426, 11048), (434, 11072), (437, 11081), (452, 11129), (461, 11156), (470, 11186), (486, 11243), (491, 11258), (495, 11270), (497, 11276), (498, 11279), (500, 11288), (509, 11315), (513, 11327), (516, 11336), (519, 11348), (521, 11354), (529, 11378), (535, 11399), (537, 11408), (542, 11423), (552, 11447), (568, 11498), (569, 11501), (572, 11513), (578, 11531), (608, 11618), (643, 11654), (672, 11762), (674, 11774), (689, 11795), (692, 11798), (710, 11819), (724, 11894), (725, 11897), (734, 11930), (739, 11951), (745, 11990), (750, 12008), (757, 12038), (759, 12047), (790, 12146), (814, 12212),

Gene: Wyborn_20 Start: 14110, Stop: 16749, Start Num: 19

Candidate Starts for Wyborn_20:

(Start: 19 @14110 has 2 MA's), (26, 14155), (31, 14188), (73, 14374), (88, 14437), (107, 14506), (114, 14533), (128, 14596), (151, 14698), (153, 14707), (165, 14752), (186, 14842), (188, 14857), (189, 14860), (201, 14893), (231, 15013), (236, 15031), (262, 15133), (264, 15142), (282, 15184), (336, 15361), (339, 15373), (362, 15448), (374, 15490), (399, 15565), (400, 15568), (403, 15580), (405, 15586), (409, 15598), (414, 15610), (449, 15709), (450, 15712), (454, 15727), (463, 15751), (465, 15760), (469, 15772), (476, 15793), (488, 15838), (499, 15871), (502, 15880), (514, 15916), (518, 15931), (519, 15934), (523, 15946), (531, 15970), (535, 15985), (543, 16003), (551, 16021), (556, 16036), (563, 16057), (569, 16078), (573, 16093), (583, 16123), (592, 16141), (598, 16153), (607, 16186), (653, 16273), (657, 16294), (661, 16306), (667, 16324), (708, 16378), (730, 16471), (732, 16477), (741, 16516), (776, 16639),

Gene: Yang_16 Start: 10824, Stop: 13148, Start Num: 61

Candidate Starts for Yang_16:

(Start: 61 @10824 has 156 MA's), (104, 10998), (111, 11022), (122, 11070), (137, 11130), (162, 11247), (181, 11328), (182, 11331), (187, 11361), (215, 11445), (228, 11502), (234, 11526), (247, 11586), (249, 11592), (343, 11808), (344, 11811), (446, 11979), (462, 12027), (468, 12048), (481, 12081), (494, 12123), (506, 12162), (510, 12174), (525, 12222), (556, 12315), (579, 12384), (636, 12480), (642, 12501), (666, 12594), (672, 12612), (724, 12744), (725, 12747), (750, 12858), (759, 12897),

Gene: YesChef_16 Start: 10781, Stop: 13096, Start Num: 61

Candidate Starts for YesChef_16:

(Start: 61 @10781 has 156 MA's), (97, 10937), (101, 10946), (122, 11027), (124, 11039), (137, 11087), (138, 11090), (146, 11132), (162, 11204), (181, 11285), (182, 11288), (187, 11318), (206, 11372), (215, 11402), (228, 11459), (234, 11483), (247, 11543), (344, 11768), (421, 11864), (444, 11927), (446, 11936), (462, 11984), (464, 11993), (468, 12005), (481, 12038), (494, 12080), (506, 12119), (525, 12179), (572, 12320), (609, 12395), (623, 12407), (640, 12449), (642, 12458), (648, 12482), (666, 12551), (672, 12569), (721, 12680), (724, 12701), (725, 12704), (734, 12737), (750, 12815), (759, 12854), (777, 12914), (789, 12944), (809, 12995), (825, 13040), (837, 13085),

Gene: Yeti_36 Start: 20633, Stop: 23500, Start Num: 60

Candidate Starts for Yeti_36:

(Start: 60 @20633 has 54 MA's), (65, 20657), (141, 20966), (188, 21182), (202, 21236), (207, 21257), (215, 21287), (242, 21419), (248, 21440), (272, 21506), (278, 21521), (300, 21584), (313, 21635), (316, 21647), (333, 21698), (339, 21722), (341, 21725), (345, 21740), (353, 21764), (363, 21800), (369, 21821), (397, 21914), (402, 21932), (406, 21944), (421, 21989), (448, 22079), (457, 22106), (502, 22250), (515, 22289), (522, 22313), (526, 22325), (529, 22334), (540, 22373), (543, 22382), (551, 22403), (567, 22454), (575, 22481), (581, 22499), (602, 22553), (604, 22562), (609, 22580), (611, 22586), (614, 22598), (633, 22658), (635, 22667), (645, 22709), (649, 22727), (653, 22745), (654, 22751), (671, 22802), (687, 22883), (696, 22916), (698, 22931), (706, 22994), (707, 22997), (712, 23018), (714, 23027), (722, 23063), (729, 23102), (747, 23177), (753, 23201), (759, 23231), (765, 23255), (811, 23405), (812, 23408),

Gene: Zanella_19 Start: 13343, Stop: 15331, Start Num: 67

Candidate Starts for Zanella_19:

(Start: 67 @13343 has 19 MA's), (76, 13382), (111, 13493), (117, 13508), (120, 13520), (162, 13712), (170, 13736), (217, 13919), (230, 13985), (254, 14081), (268, 14105), (325, 14192), (378, 14294), (390, 14318), (415, 14387), (425, 14420), (504, 14585), (563, 14633), (566, 14645), (571, 14663), (641, 14765), (644, 14777), (645, 14783), (740, 15038), (754, 15104), (768, 15164), (822, 15305),

Gene: Zapato_35 Start: 20478, Stop: 23345, Start Num: 60

Candidate Starts for Zapato_35:

(Start: 60 @20478 has 54 MA's), (65, 20502), (84, 20589), (141, 20811), (188, 21027), (202, 21081), (207, 21102), (242, 21264), (278, 21366), (284, 21384), (300, 21429), (313, 21480), (339, 21567), (341, 21570), (345, 21585), (353, 21609), (363, 21645), (369, 21666), (397, 21759), (405, 21786), (406, 21789), (421, 21834), (464, 21972), (502, 22095), (515, 22134), (529, 22179), (530, 22182), (537, 22209), (539, 22215), (580, 22341), (593, 22371), (602, 22398), (611, 22431), (614, 22443), (654, 22596), (669, 22644), (687, 22728), (695, 22755), (698, 22776), (706, 22839), (712, 22863), (747, 23022), (753, 23046), (759, 23076), (765, 23100), (785, 23166), (803, 23220), (831, 23301), (838, 23331), (839, 23334),

Gene: Zorro_18 Start: 12572, Stop: 15133, Start Num: 61

Candidate Starts for Zorro_18:

(55, 12551), (Start: 61 @12572 has 156 MA's), (70, 12620), (76, 12653), (88, 12701), (93, 12725), (95, 12737), (114, 12797), (126, 12845), (128, 12860), (129, 12866), (156, 12986), (168, 13028), (189, 13124), (190, 13127), (201, 13157), (218, 13211), (249, 13352), (255, 13373), (262, 13397), (270, 13418), (274, 13427), (294, 13478), (300, 13496), (356, 13682), (399, 13826), (408, 13859), (418, 13886), (424, 13904), (426, 13910), (434, 13934), (437, 13943), (452, 13991), (461, 14018), (462, 14021), (468, 14042), (472, 14054), (486, 14105), (491, 14120), (495, 14132), (498, 14141), (500, 14150), (509, 14177), (513, 14189), (516, 14198), (519, 14210), (521, 14216), (528, 14237), (535, 14261), (537, 14270), (552, 14309), (568, 14360), (569, 14363), (571, 14372), (572, 14375), (577, 14390), (608, 14480), (643, 14516), (672, 14624), (692, 14660), (724, 14756), (725, 14759), (739, 14813), (745, 14852), (757, 14900), (759, 14909), (765, 14933), (772, 14951), (789, 15002), (797, 15026), (802, 15044), (814, 15074),