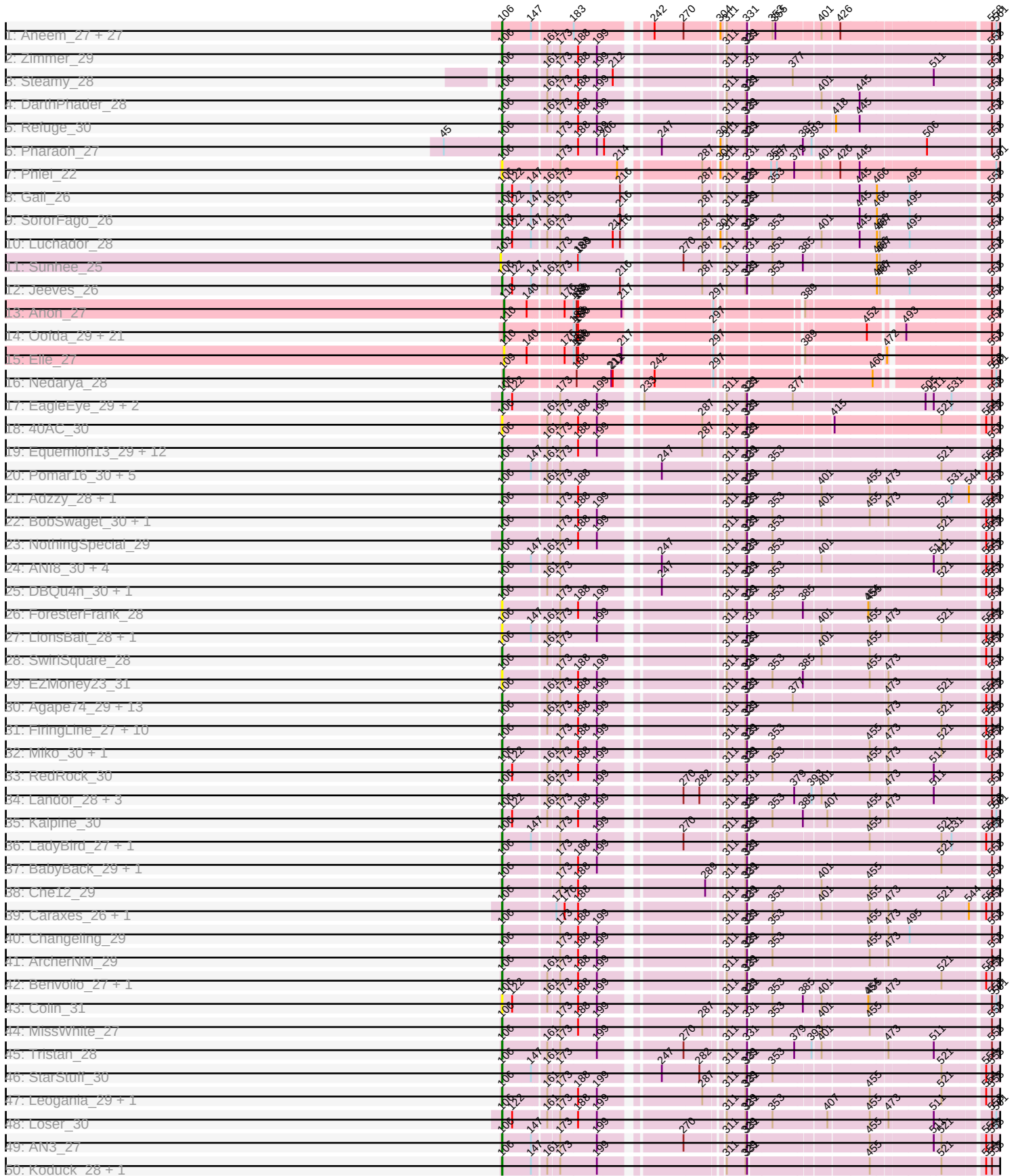
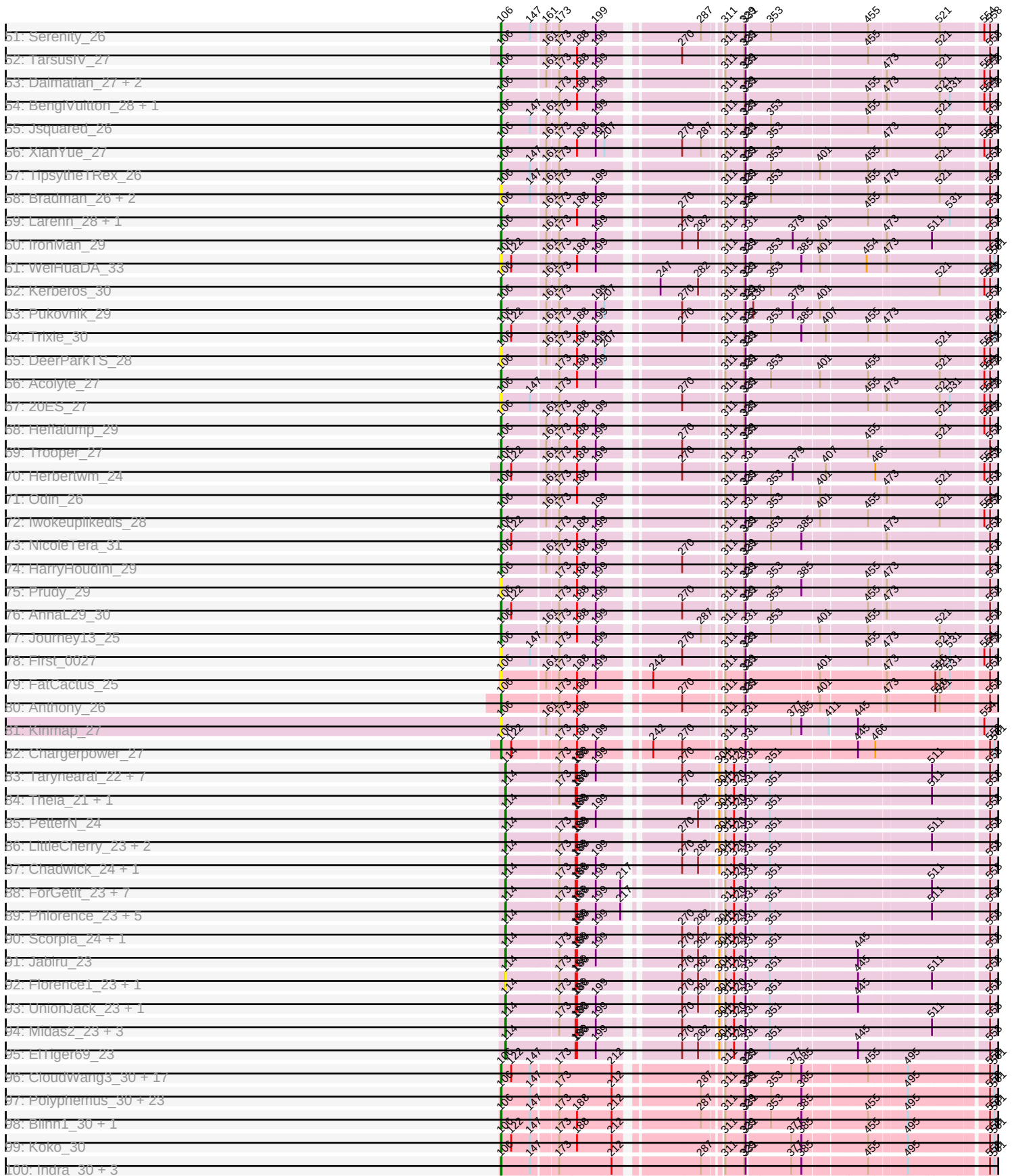


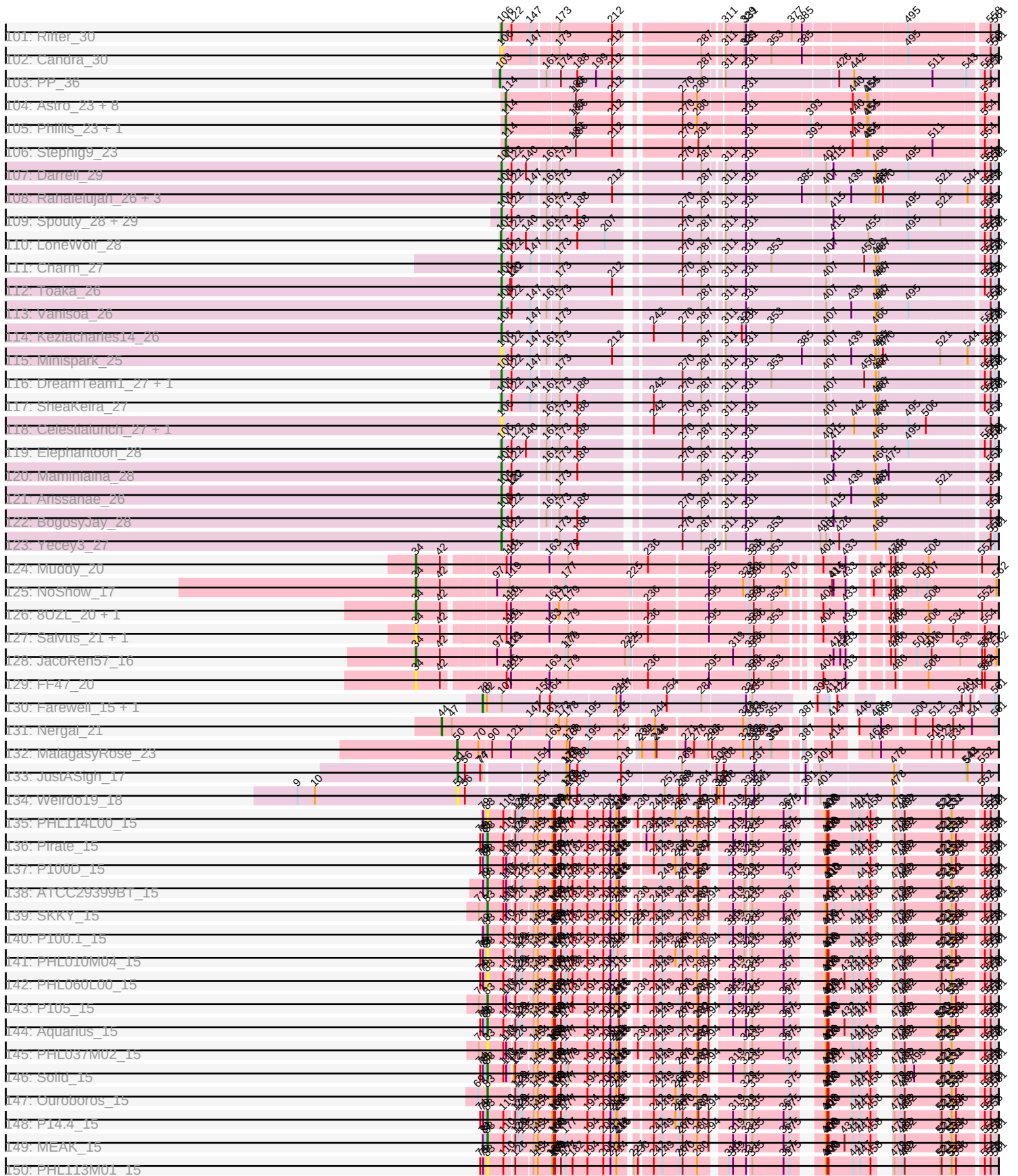
Zoomed Pham 296062



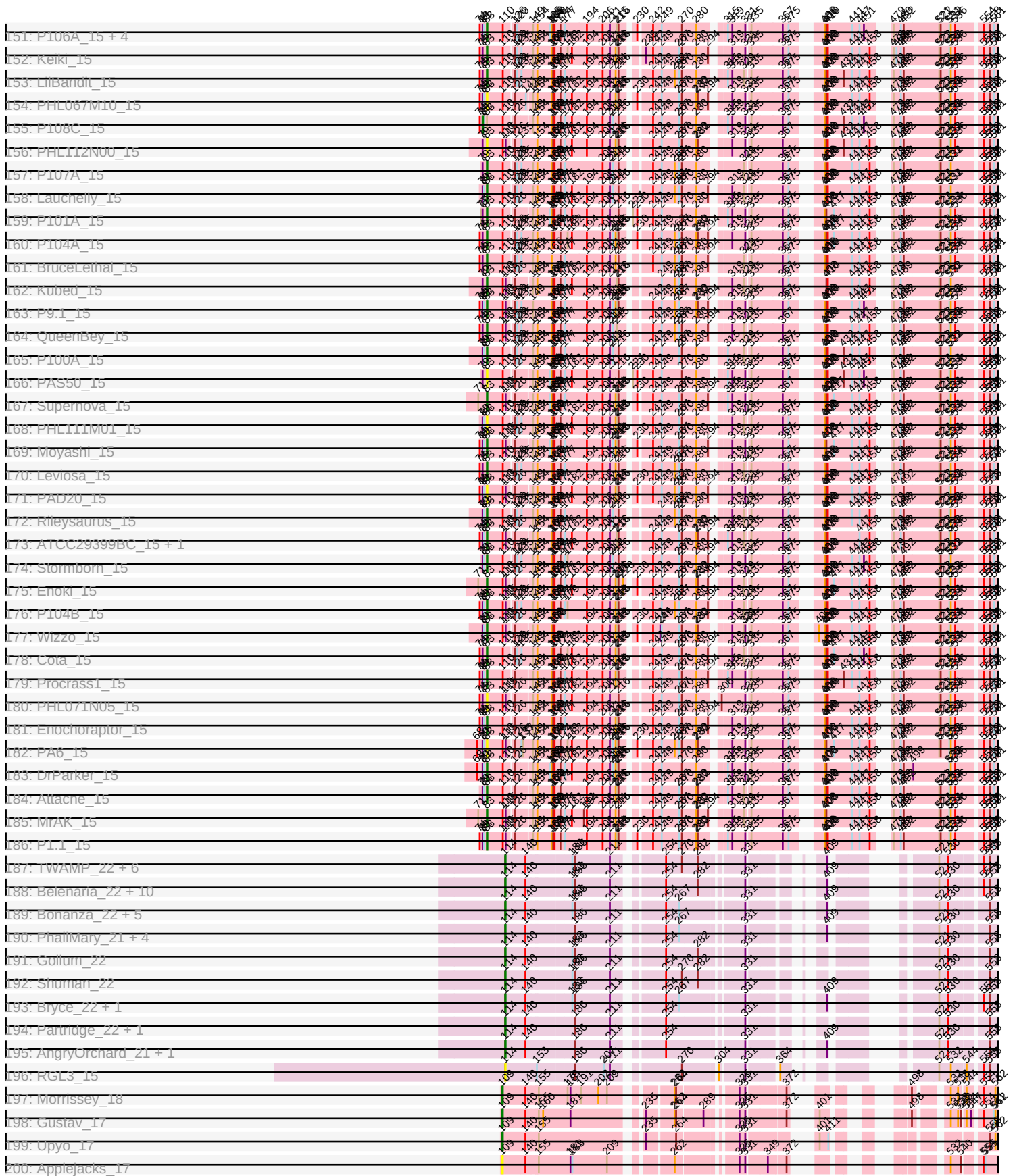
Zoomed Pham 296062



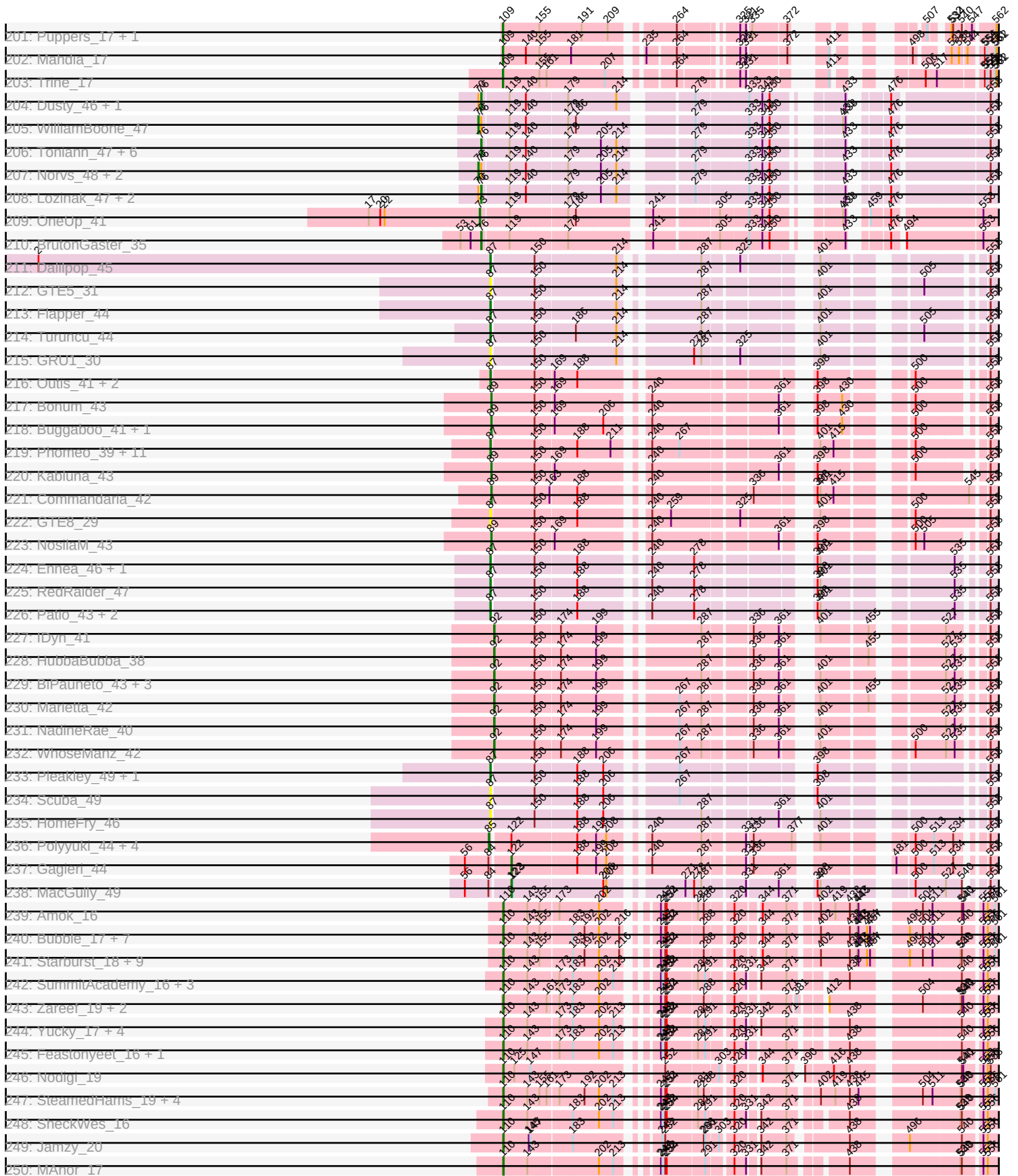
Zoomed Pham 296062



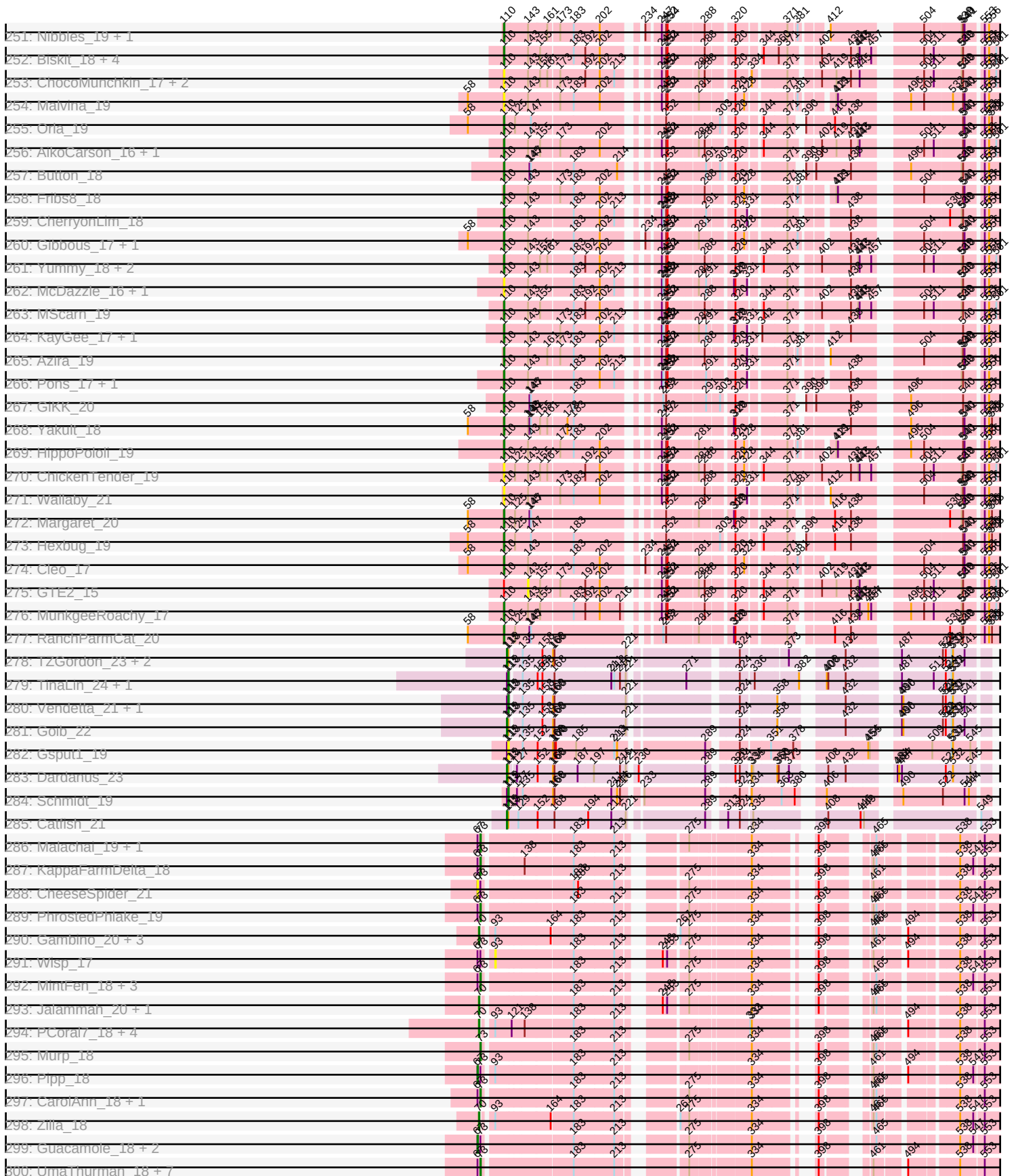
Zoomed Pham 296062



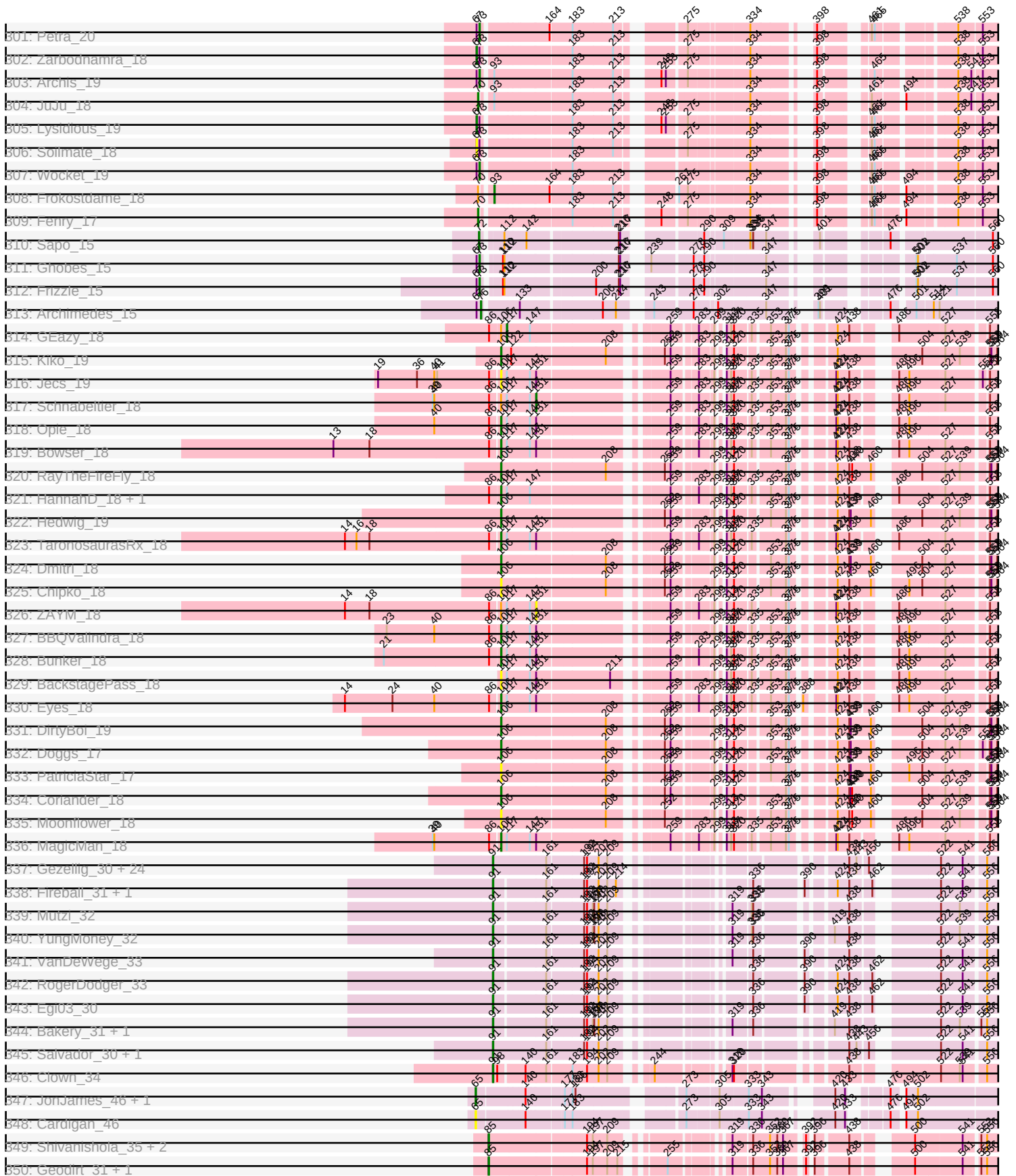
Zoomed Pham 296062



Zoomed Pham 296062



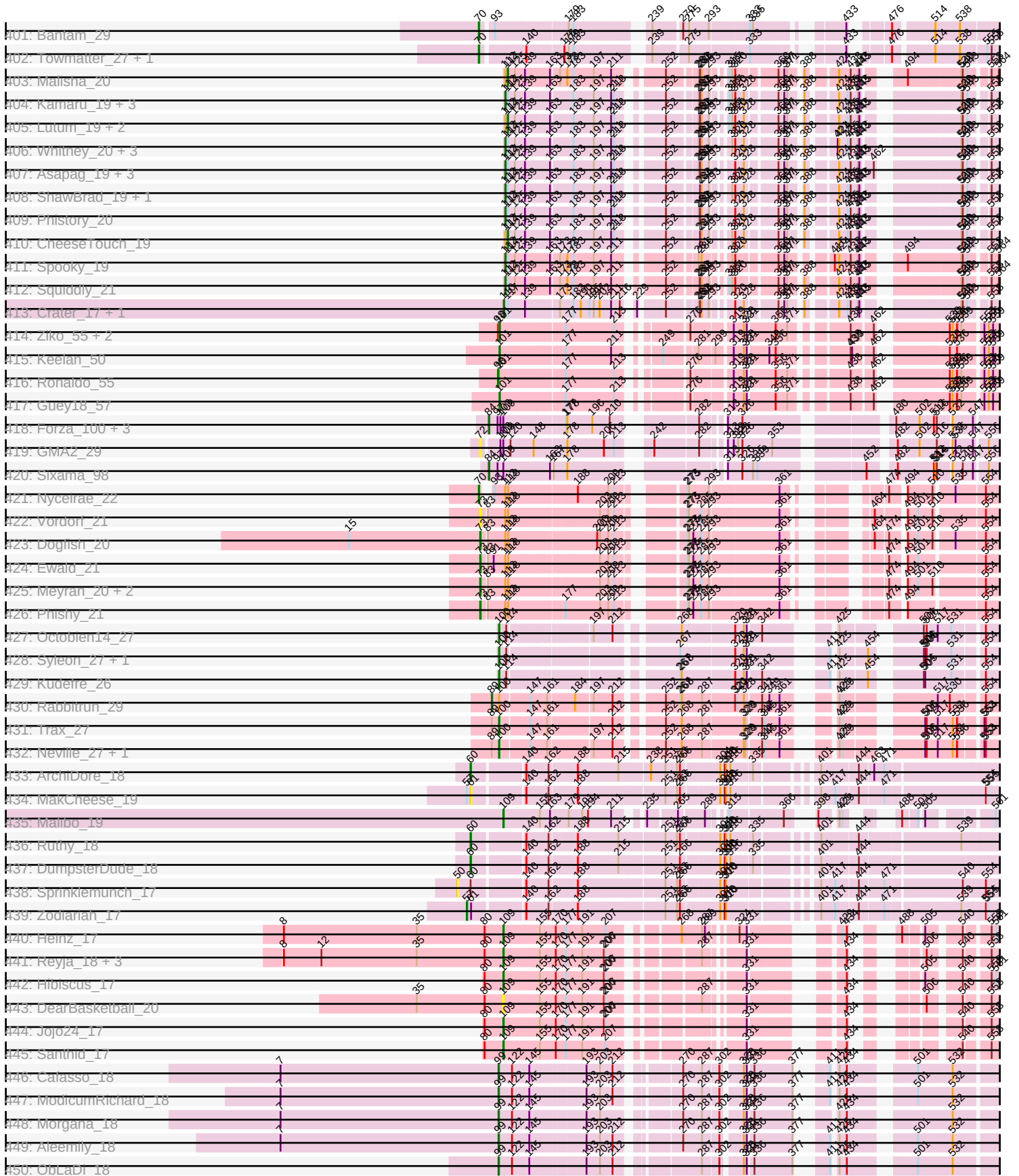
Zoomed Pham 296062



Zoomed Pham 296062

[illegible]

Zoomed Pham 296062



Zoomed Pham 296062

	72	88	128	161	181	216	313	328	399	411	504	531	558
#51: PeteyPab_32 + 3	72	88	128	161	181	216							
#52: Kimchi17/38_30	72	88	128	161	181	216							
#53: StickyNote_32	72	88	128	161	181	216							
#54: Cruella_30 + 1	72	88	128	161	181	216							
#55: Coteen_18 + 2	72	88	128	161	181	216							
#56: Arianna_18	72	88	128	161	181	216							
#57: Taotie_16 + 1	72	88	128	161	181	216							
#58: MileyPS_16	72	88	128	161	181	216							
#59: Biarby_19	72	88	128	161	181	216							
#60: Cheyd_18	72	88	128	161	181	216							
#61: Zapher_19 + 3	72	88	128	161	181	216							
#62: Soul22_18	72	88	128	161	181	216							
#63: Demisculpinboyz_18	72	88	128	161	181	216							
#64: Yoshi_18	72	88	128	161	181	216							
#65: PinkYoshi_17 + 62	72	88	128	161	181	216							
#66: Plagueis_17	72	88	128	161	181	216							
#67: Shreeze_17 + 3	72	88	128	161	181	216							
#68: Paito_17	72	88	128	161	181	216							
#69: Barkley26_17	72	88	128	161	181	216							
#70: Lielle_17	72	88	128	161	181	216							
#71: Grizzly_17	72	88	128	161	181	216							
#72: Peeb_17	72	88	128	161	181	216							
#73: Avocado_17 + 1	72	88	128	161	181	216							
#74: GodSpeed_18	72	88	128	161	181	216							
#75: FlagStair_17	72	88	128	161	181	216							
#76: Pace1224_17	72	88	128	161	181	216							
#77: Pinnie_18	72	88	128	161	181	216							
#78: Cloudyecho_17	72	88	128	161	181	216							
#79: MOOREtheMAYyer_17	72	88	128	161	181	216							
#80: Jolie2_17	72	88	128	161	181	216							
#81: Lemuria_17	72	88	128	161	181	216							
#82: Mercurio_18	72	88	128	161	181	216							
#83: Antsirabe_17	72	88	128	161	181	216							
#84: Stargaze_17	72	88	128	161	181	216							
#85: Yangyin_17	72	88	128	161	181	216							
#86: Dunlee_22 + 64	72	88	128	161	181	216							
#87: MarkPnew_22	72	88	128	161	181	216							
#88: Chavito_22	72	88	128	161	181	216							
#89: Anaya_23	72	88	128	161	181	216							
#90: Illumine_22 + 2	72	88	128	161	181	216							
#91: TimBug_22 + 4	72	88	128	161	181	216							
#92: TeeJan_18 + 10	72	88	128	161	181	216							
#93: LemonD_21 + 1	72	88	128	161	181	216							
#94: Bella96_22 + 1	72	88	128	161	181	216							
#95: Eira2_22 + 2	72	88	128	161	181	216							
#96: MeaningOfLife_22 + 1	72	88	128	161	181	216							
#97: Valdius_22	72	88	128	161	181	216							
#98: LaterM_22 + 1	72	88	128	161	181	216							
#99: Simson_22 + 1	72	88	128	161	181	216							
#00: Darin_22 + 5	72	88	128	161	181	216							

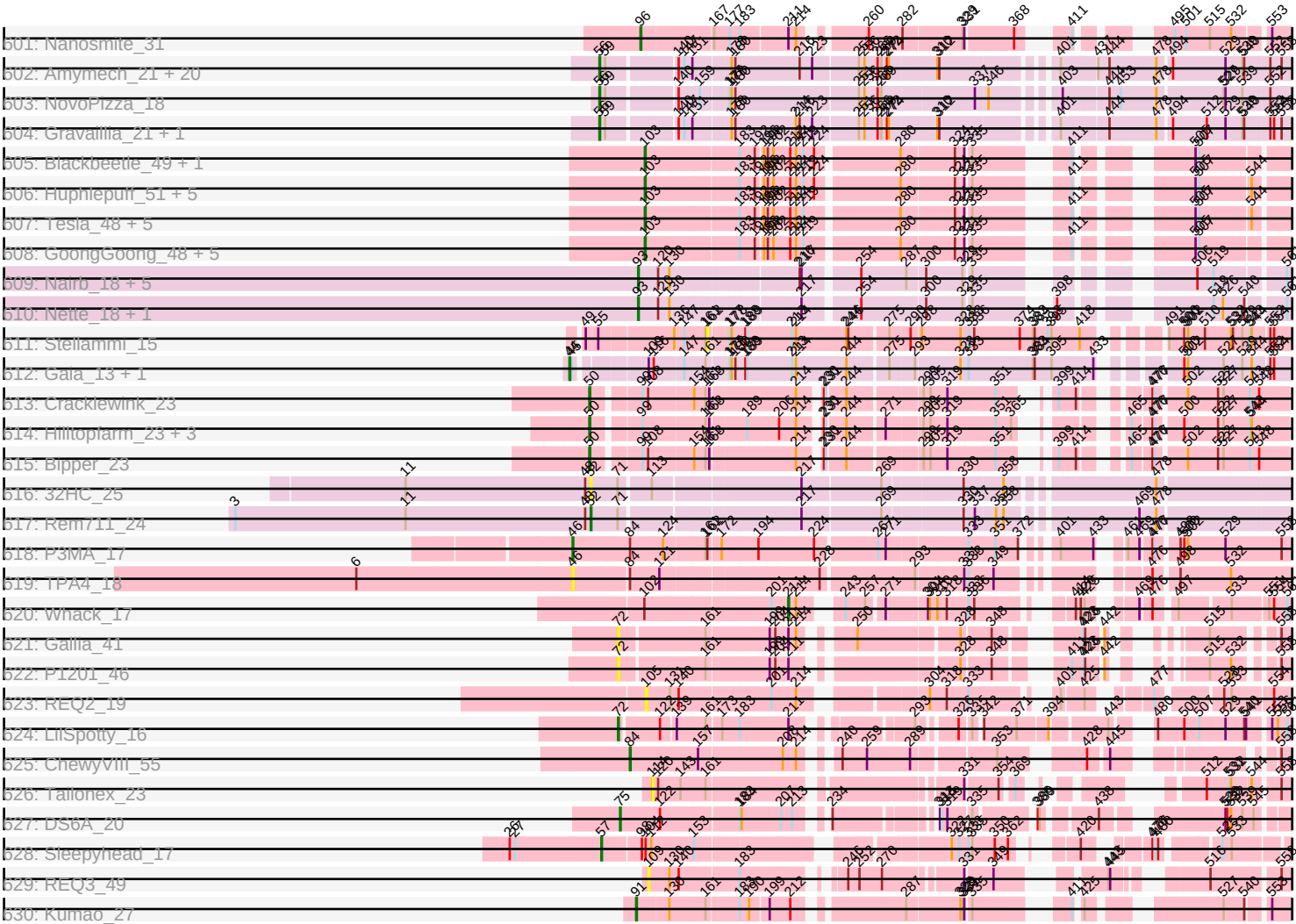
Zoomed Pham 296062

501: LastHope_22	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
502: Apocalypse_22	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
503: Pisa1_21 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
504: Chris_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
505: Nibb_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
506: TingHuaYa_22	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
507: Curiosum_23	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
508: Megsy_22 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
509: KISI_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
510: Scarlett_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
511: Findley_18 + 5	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
512: BoostSeason_18 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
513: IM4_18	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
514: ZheJ_18	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
515: TBond007_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
516: Pixie_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
517: TribleTrouble_20	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
518: MachiCheese_22	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
519: Keshu_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
520: Lea83_21 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
521: Pharo_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
522: Hurricane_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
523: HonnOnari_23 + 7	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
524: DanSyl44_24 + 5	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
525: Chancellor_23 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
526: Juliette_23 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
527: Qnanda_24	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
528: Reptar3000_23	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
529: Pat1_23 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
530: Omnicron_20	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
531: invictusManeo_20 + 6	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
532: SoSepph_20 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
533: Milyou_20 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
534: Leston_20 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
535: Feyre_20 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
536: OkRoe_20	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
537: AileyCat_20 + 4	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
538: Dadosky_20	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
539: Kratio_19	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
540: Rand014_20	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
541: Ekdmam_19	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
542: Amomlodon_21	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
543: Phrank_21 + 3	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
544: Unicorn_21 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
545: Elie_19 + 2	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
546: Tigress9_22 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
547: Ximenita_22	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
548: November_20	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
549: Marshawn_23	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547
550: Sunflower1121_20 + 1	31	67	140	154	178	215	251	293	334	372	390	476	500	539	547

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551: SirPhilip_21	31	67	111	154	178	216	261	293	333	370	390	433	465	477	501	539
552: Lavanound_20 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
553: Yuna_22	31	67	111	140	178	216	261	293	333	370	390	433	465	477	501	539
554: Syra333_21	31	67	111	140	178	216	261	293	333	370	390	433	465	477	501	539
555: Hammy_21 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
556: rCm_21	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
557: Aminay_20	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
558: Bollgate_19	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
559: VanLee_19	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
560: Colossa_19	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
561: LeBron_17 + 3	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
562: AvadaKedavra_17 + 4	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
563: Helena_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
564: Enceladus_17 + 2	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
565: Appletree2_17 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
566: Tyson_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
567: Wyatt2_17 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
568: OPTe_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
569: Wambourgrxpress_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
570: OverPar_17 + 8	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
571: Soap141_17 + 2	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
572: Crossroads_17 + 18	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
573: Tourach_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
574: Rossetti_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
575: Bazzie_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
576: GuuellaD_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
577: Baoshan_16 + 4	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
578: Archie_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
579: Finhry_18 + 3	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
580: MimiMac_18 + 2	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
581: Whirlwind_19	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
582: LilyLake_18 + 4	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
583: KingsSolomon_18 + 10	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
584: Douzhi_17 + 2	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
585: Quby_17 + 2	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
586: ChutneyChips_16	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
587: DyoEdaios_18	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
588: Bromden_18	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
589: Kropertea_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
590: Chaser_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
591: Sheng711_17	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
592: Baudelaire_17 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
593: Bricole_27 + 14	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
594: RoseMarie_27	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
595: KieverKTS_27	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
596: Reindeer_25	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
597: MrViagoo_31 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
598: AZIZ_31 + 1	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
599: Rey_31	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541
600: Estes_32	31	67	121	178	216	261	293	333	370	390	433	465	477	501	539	541

Zoomed Pham 296062



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 296062 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296062 has 1467 members, 220 are drafts.

Phages represented in each track:

- Track 1 : Aneem_27, Bachome_27, Petersenfast_26, Gilberta_27, Kimba_27, Orange_27, Hutc2_27, Bowtie_27, Mabel_27, Lucivia_27, MaCh_27, TinyTimmy_27, Joselito_27, Jabith_27, Saskia_26, Bud_27, Mulciber_27, Munch_27, Salz_27, Ebony_27, Sham4_27, Insomnia_27, Flaverint_27, Wolpertinger_26, Fibonacci_27, Et2Brutus_26, Snape_27, Timothy_27
- Track 2 : Zimmer_29
- Track 3 : Steamy_28
- Track 4 : DARTHPhader_28
- Track 5 : Refuge_30
- Track 6 : Pharaoh_27
- Track 7 : Phlei_22
- Track 8 : Gail_26
- Track 9 : SororFago_26
- Track 10 : Luchador_28
- Track 11 : Sunhee_25
- Track 12 : Jeeves_26
- Track 13 : Anon_27
- Track 14 : Oofda_29, ReMo_29, ShayRa_30, Soups_29, KatherineG_29, Anaysia_29, Boohoo_29, Strosahl_29, MinecraftSteve_30, JSwag_29, Waits_29, Nebulosus_29, Looper_30, Remus_29, Rosalind_29, Warrior24_29, Ravana_30, Epsocamisio_29, DekHockey33_29, Battleship_30, Switzerland_29, LastResort_29
- Track 15 : Elle_27
- Track 16 : Nedarya_28
- Track 17 : EagleEye_29, PainterBoy_28, Lucyedi_28
- Track 18 : 40AC_30
- Track 19 : Equemioh13_29, Terrific_31, Gratitude_28, Piro94_28, Updawg_29, Drake55_29, Centaur_29, WideWale_29, Sknot_27, MiculUcigas_27, NaSiaTalie_27, Flare16_27, Baehexic_28
- Track 20 : Pomar16_30, D32_30, Tomathan_30, Naji_30, Travvers_30, D29_27
- Track 21 : Adzzy_28, Ph8s_28
- Track 22 : BobSwaget_30, Rachaly_30
- Track 23 : NothingSpecial_29
- Track 24 : ANI8_30, VC3_30, AN9_30, C3_25, VA6_27
- Track 25 : DBQu4n_30, Duplo_30
- Track 26 : ForesterFrank_28
- Track 27 : LionsBait_28, HippoHollow_28
- Track 28 : SwirlSquare_28

- Track 29 : EZMoney23_31
- Track 30 : Agape74_29, LilTurb_29, JoshKayV_29, AbbyPaige_29, Buggy_29, Leviathan_29, Whabigail7_29, Dignity_29, Jerm_29, Smeagan_29, ChipMunk_29, KingCyrus_29, Turbido_29, EvilGenius_29
- Track 31 : FiringLine_27, Crucio_27, QueenBeesly_27, Georgie2_28, Fameo_27, QueenB2_27, Anselm_27, Power_27, SemperFi_29, SnapTap_27, SweetiePie_27
- Track 32 : Miko_30, Lokk_30
- Track 33 : RedRock_30
- Track 34 : Landor_28, Phaded_30, Bactobuster_28, Jaan_30
- Track 35 : Kalpine_30
- Track 36 : LadyBird_27, CRB1_27
- Track 37 : BabyBack_29, GaugeLDP_29
- Track 38 : Che12_29
- Track 39 : Caraxes_26, Superchunk_26
- Track 40 : Changeling_29
- Track 41 : ArcherNM_29
- Track 42 : Benvolio_27, Echild_27
- Track 43 : Colin_31
- Track 44 : MissWhite_27
- Track 45 : Tristan_28
- Track 46 : StarStuff_30
- Track 47 : Leogania_29, BiancaTri92_29
- Track 48 : Loser_30
- Track 49 : AN3_27
- Track 50 : Koduck_28, L5_27
- Track 51 : Serenity_26
- Track 52 : TarsusIV_27
- Track 53 : Dalmatian_27, Retro23_27, DudeLittle_27
- Track 54 : BengiVuitton_28, Deloris_28
- Track 55 : Jsquared_26
- Track 56 : XianYue_27
- Track 57 : TipsytheTRex_26
- Track 58 : Bradman_26, MajorMajor_26, Quokka_25
- Track 59 : Larenn_28, Malec_28
- Track 60 : IronMan_29
- Track 61 : WeiHuaDA_33
- Track 62 : Kerberos_30
- Track 63 : Pukovnik_29
- Track 64 : Trixie_30
- Track 65 : DeerParkTS_28
- Track 66 : Acolyte_27
- Track 67 : 20ES_27
- Track 68 : Heffalump_29
- Track 69 : Trooper_27
- Track 70 : Herbertwm_24
- Track 71 : Odin_26
- Track 72 : Iwokeuplikedis_28
- Track 73 : NicoleTera_31
- Track 74 : HarryHoudini_29
- Track 75 : Prudy_29
- Track 76 : AnnaL29_30
- Track 77 : Journey13_25
- Track 78 : First_0027

- Track 79 : FatCactus_25
- Track 80 : Anthony_26
- Track 81 : Kinmap_27
- Track 82 : Chargerpower_27
- Track 83 : Tarynearal_22, George_22, HuhtaEnerson15_23, Swirley_23, Micasa_23, Milcery_23, Cuco_23, Prinashel1_24
- Track 84 : Theia_21, Twigg_23
- Track 85 : PetterN_24
- Track 86 : LittleCherry_23, Bonamassa_23, Tiger_23
- Track 87 : Chadwick_24, Naca_23
- Track 88 : ForGetIt_23, Ghoulboy_23, Zolita_22, Conspiracy_23, SydNat_23, Archetta_23, Bluefalcon_22, Jovo_23
- Track 89 : Phlorence_23, Lev2_23, AgentM_23, PickleBack_23, Discoknowium_23, Aragog_23
- Track 90 : Scorpio_24, Benedict_23
- Track 91 : Jabiru_23
- Track 92 : Florence1_23, Florence4_24
- Track 93 : UnionJack_23, Airmid_23
- Track 94 : Midas2_23, Coog_23, Dublin_22, MarysWell_22
- Track 95 : ElTiger69_23
- Track 96 : CloudWang3_30, ToneTone_28, Artemis2UCLA_30, Blue7_30, Wiks_30, Lilbunny_30, Yokurt_30, Roksolana_30, Jeffabunny_30, Tucker_30, Zaka_30, Gruunaga_30, Zulu_30, WunderPhul_30, Hexamo_30, Gladiator_30, Hammer_30, BlessJoy_30
- Track 97 : Polyphemus_30, GreedyLawyer_30, Kazan_30, VohminGhazi_30, EricB_30, SmellyB_30, Chartreuse_30, Kipper29_30, Dorothea_30, DaVinci_30, DelvinSonDorr_29, Neeharika16_30, McFly_30, Cookiedough_30, Hoot_30, SuperCallie99_30, SuperAwesome_30, Pmask_30, BABullseye_30, JewelBug_30, BennyP_30, Isiphiwo_30, Jordennis_30, Newrala_30
- Track 98 : Blinn1_30, Priamo_30
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- Track 100 : Indra_30, Garak_31, Helmet_30, Temprado_30
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- Track 104 : Astro_23, Dixon_23, Smeadley_23, Caitlin_22, NearlyHeadless_23, Danforth_22, Expelliarmus_22, Saintus_23, Roary_23
- Track 105 : Phillis_23, Groundhog_22
- Track 106 : Stephig9_23
- Track 107 : Darrell_29
- Track 108 : Rahalelujah_26, Bellris_25, CogOmlette_25, WorldCup_25
- Track 109 : Spouty_28, Lilleskat_26, Tubs_28, EdogawaKiddo_26, Pioneer_28, Eidsmoe_28, Fayely_28, Myxus_28, Phaeder_28, Beemo_28, RyeScarlet_29, Aliter_28, Halex_27, Catalina_28, Onglai_27, Qobbit_28, Phonnegut_28, Conquerage_28, Priya_28, Hanray_27, Alma_28, Ugenie5_25, PackMan_28, Ayanochan_29, Sachima_26, Jiawan_27, ExplosioNervosa_28, EmyBug_28, Scherzo_28, HortumSL17_28
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- Track 111 : Charm_27
- Track 112 : Toaka_26
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- Track 116 : DreamTeam1_27, Klodlith_27
- Track 117 : SheaKeira_27
- Track 118 : Celestiallunch_27, MegTheThird_26
- Track 119 : Elephantoon_28
- Track 120 : Maminiaina_28
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- Track 122 : BogosyJay_28
- Track 123 : Yecey3_27
- Track 124 : Muddy_20
- Track 125 : NoShow_17
- Track 126 : 8UZL_20, Maco6_18
- Track 127 : Salvus_21, LongHai_21
- Track 128 : JacoRen57_16
- Track 129 : FF47_20
- Track 130 : Farewell_15, Sparky_15
- Track 131 : Nergal_21
- Track 132 : MalagasyRose_23
- Track 133 : JustASigh_17
- Track 134 : Weirido19_18
- Track 135 : PHL114L00_15
- Track 136 : Pirate_15
- Track 137 : P100D_15
- Track 138 : ATCC29399BT_15
- Track 139 : SKKY_15
- Track 140 : P100.1_15
- Track 141 : PHL010M04_15
- Track 142 : PHL060L00_15
- Track 143 : P105_15
- Track 144 : Aquarius_15
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- Track 146 : Solid_15
- Track 147 : Ouroboros_15
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- Track 150 : PHL113M01_15
- Track 151 : P106A_15, P106L_15, P106I_15, P106C_15, P106M_15
- Track 152 : Keiki_15
- Track 153 : LilBandit_15
- Track 154 : PHL067M10_15
- Track 155 : P108C_15
- Track 156 : PHL112N00_15
- Track 157 : P107A_15
- Track 158 : Lauchelly_15
- Track 159 : P101A_15
- Track 160 : P104A_15
- Track 161 : BruceLethal_15
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- Track 163 : P9.1_15
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- Track 166 : PAS50_15
- Track 167 : Supernova_15
- Track 168 : PHL111M01_15

- Track 169 : Moyashi_15
- Track 170 : Leviosa_15
- Track 171 : PAD20_15
- Track 172 : Rileysaurus_15
- Track 173 : ATCC29399BC_15, P107C_15
- Track 174 : Stormborn_15
- Track 175 : Enoki_15
- Track 176 : P104B_15
- Track 177 : Wizzo_15
- Track 178 : Cota_15
- Track 179 : Procrass1_15
- Track 180 : PHL071N05_15
- Track 181 : Enochoraptor_15
- Track 182 : PA6_15
- Track 183 : DrParker_15
- Track 184 : Attacne_15
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- Track 186 : P1.1_15
- Track 187 : TWAMP_22, Erik_22, Phrankenstein_22, Lillie_22, CosmicSans_22, Bradshaw_22, Rhodalysa_22
- Track 188 : Belenaria_22, RER2_15, StCroix_22, RexFury_22, Espica_22, Naiad_22, Nancinator_22, UhSalsa_22, Swann_22, Alatin_22, Natosaleda_22
- Track 189 : Bonanza_22, Rasputin_22, BobbyDazzler_22, Alpacados_21, Yoncess_22, Yogi_22
- Track 190 : PhailMary_21, AppleCloud_20, Jester_22, Krishelle_22, Hiro_22
- Track 191 : Gollum_22
- Track 192 : Shuman_22
- Track 193 : Bryce_22, Harlequin_22
- Track 194 : Partridge_22, Dinger_22
- Track 195 : AngryOrchard_21, Takoda_22
- Track 196 : RGL3_15
- Track 197 : Morrissey_18
- Track 198 : Gustav_17
- Track 199 : Upyo_17
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- Track 218 : Buggaboo_41, SuperSulley_41
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- Track 228 : HubbaBubba_38
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- Track 241 : Starburst_18, RedBaron_18, Agatha_17, Nina_18, Quasar_17, Socotra_18, Carsonalex_18, Axym_17, Typhonomachy_17, RSchmailzl_18
- Track 242 : SummitAcademy_16, Lauer_16, Balloona_16, PotPie_17
- Track 243 : Zareef_19, Survivors_19, MaVan_19
- Track 244 : Yucky_17, Tarnish_17, Bavidard_17, CocoaPuff_16, Vine_18
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- Track 247 : SteamedHams_19, BillDoor_19, Tolls_19, AndPeggy_16, Yarn_16
- Track 248 : SheckWes_16
- Track 249 : Jamzy_20
- Track 250 : MAnor_17
- Track 251 : Nibbles_19, Wolfwood_21
- Track 252 : Biskit_18, Blondies_18, SweatNTears_19, Buttrmlkdreams_17, SketchMex_16
- Track 253 : ChocoMunchkin_17, CanesSauce_17, CaramelLatte_17
- Track 254 : Malvina_19
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- Track 256 : AikoCarson_16, Emalyn_16
- Track 257 : Button_18
- Track 258 : Fribs8_18
- Track 259 : CherryonLim_18
- Track 260 : Gibbous_17, Dre3_17
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- Track 266 : Pons_17, Mayweather_18
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- Track 270 : ChickenTender_19
- Track 271 : Wallaby_21
- Track 272 : Margaret_20
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- Track 274 : Cleo_17
- Track 275 : GTE2_15
- Track 276 : MunkgeeRoachy_17
- Track 277 : RanchParmCat_20
- Track 278 : TZGordon_23, DinoDaryn_23, Huffy_23
- Track 279 : TinaLin_24, Banquo_25
- Track 280 : Vendetta_21, Splinter_21
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- Track 285 : Catfish_21
- Track 286 : Malachai_19, Begonia_19
- Track 287 : KappaFarmDelta_18
- Track 288 : CheeseSpider_21
- Track 289 : PhrostedPhlake_19
- Track 290 : Gambino_20, Blueberry_20, MissRona_20, Azula_20
- Track 291 : Wisp_17
- Track 292 : MintFen_18, Utz_18, JasperJr_18, BlingBling_18
- Track 293 : Jalammah_20, Samba_18
- Track 294 : PCoral7_18, PrincePatrick_18, William_18, Fairfaxidum_18, Toast_18
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- Track 311 : Ghobes_15
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- Track 323 : TaronosaurusRx_18
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- Track 325 : Chipko_18
- Track 326 : ZAYM_18
- Track 327 : BBQValindra_18
- Track 328 : Bunker_18
- Track 329 : BackstagePass_18
- Track 330 : Eyes_18
- Track 331 : DirtyBoi_19
- Track 332 : Doggs_17
- Track 333 : PatriciaStar_17
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- Track 336 : MagicMan_18
- Track 337 : Gezellig_30, Danyall_32, SmokingBunny_30, Savbucketdawg_30, KimmyK_32, Arri_33, Halo3_31, Jambalaya_30, CoveyB_32, Nubi_30, Togo_30, JohnPork_30, Phlop_30, Fugax_32, Shinji_30, Barb_32, Wizard_30, PinkCoffee_32, CherryCola_33, Valary_33, Portcullis_30, PullumCavea_30, Twister6_32, ClamChowder_32, Sendy_31
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- Track 438 : Sprinklemunch_17
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- Track 533 : Miryou_20, Thyatira_20
- Track 534 : Leston_20, Guillsminger_20, Paola_20
- Track 535 : Feyre_20, Waterfoul_20
- Track 536 : OkiRoe_20
- Track 537 : AlleyCat_20, Neighly_20, Edugator_19, Psycho_20, Larva_20
- Track 538 : Dadosky_20
- Track 539 : Kratio_19
- Track 540 : Rando14_20
- Track 541 : Ekdilam_19
- Track 542 : Amohnition_21
- Track 543 : Phrank_21, Bryler_21, Cain_21, Tierra_21
- Track 544 : Unicorn_21, PhelpsODU_21
- Track 545 : Ellie_19, Applecrisp_20, Fefferhead_21
- Track 546 : Tigress9_22, Krueger_21
- Track 547 : Ximenita_22

- Track 548 : November_20
- Track 549 : Marshawn_23
- Track 550 : Sunflower1121_20, Shadow1_20
- Track 551 : SirPhilip_21
- Track 552 : Lavahound_20, Amgine_20
- Track 553 : Yuna_22
- Track 554 : Syra333_21
- Track 555 : Hammy_21, DarthP_21
- Track 556 : TClif_21
- Track 557 : Aminay_20
- Track 558 : Boilgate_19
- Track 559 : VanLee_19
- Track 560 : Colossa_19
- Track 561 : LeBron_17, Zaria_17, CicholasNage_17, Calm_17
- Track 562 : AvadaKedavra_17, Poochiewood_17, MAckerman_17, Rose5_17, Silverleaf_17
- Track 563 : Halena_17
- Track 564 : Enceladus_17, DirkDirk_17, OhShagHennessy_17
- Track 565 : Appletree2_17, JoeDirt_17
- Track 566 : Tyson_17
- Track 567 : Wyatt2_17, Acquire49_17
- Track 568 : UPIE_17
- Track 569 : Wamburgxpress_17
- Track 570 : OverPar_17, Wigglewiggles_17, Lynnae_17, Loadrie_17, Underpass_17, Kahlid_17, Nicholasp3_17, Gardann_17, Wilder_17
- Track 571 : Soap141_17, Sarshaun_17, Hafay_17
- Track 572 : Crossroads_17, SoJulia_17, Lewan_17, Faith1_17, Netyap_17, LilDestine_17, Miley16_17, MkaliMitinis3_17, Finemlucis_17, Breezona_17, Rumpelstiltskin_17, BobsGarage_17, Vetrix_17, DrSeegs_17, Zakai_17, Gabriela_17, Itos_17, BigCheese_17, Winky_17
- Track 573 : Tourach_17
- Track 574 : Rossetti_17
- Track 575 : Bazzle_17
- Track 576 : GuuelaD_17
- Track 577 : Baoshan_16, DHan_17, ZhongYanYuan_16, DanBing_16, Claus_17
- Track 578 : Archie_17
- Track 579 : Finnry_18, Moostard_18, Bellis_18, Samty_18
- Track 580 : MiniMac_18, MiniLon_18, Lolly9_18
- Track 581 : Whirlwind_19
- Track 582 : LiyuLake_18, KirDoubleO7_16, DuncansLeg_18, Ellson_18, BourbonZero_17
- Track 583 : Kingsolomon_18, TriFive_18, Snenia_18, Jobypre_18, Red305_18, Lumos_18, MsGreen_18, Jubie_18, Krypton555_18, Clautastrophe_18, Nicholas_18
- Track 584 : Douzhi_17, PYPDinur_17, BrainDrainer_18
- Track 585 : Quby_17, Douge_17, FarmResident_17
- Track 586 : ChutneyChips_16
- Track 587 : DyoEdafos_18
- Track 588 : Bromden_18
- Track 589 : Kropertea_17
- Track 590 : Chaser_17
- Track 591 : Sheng711_17
- Track 592 : Baudelaire_17, Aegeus_17

- Track 593 : Bricole_27, PegLeg_27, TyDawg_27, Auspice_27, TpudiCK_28, Glaske16_28, FreakyGoo_28, IPhane7_27, Diminimus_28, Tzel_28, SlimJimmy_26, Skinny_28, LilhomieP_26, Bongo_27, Dulcita_28
- Track 594 : RoseMarie_27
- Track 595 : KleverKiS_27
- Track 596 : Reindeer_25
- Track 597 : MrMagoo_31, GardenSalsa_31
- Track 598 : Aziz_31, GenevaB15_31
- Track 599 : Rey_31
- Track 600 : Estes_32
- Track 601 : Nanosmite_31
- Track 602 : Amymech_21, Forge_21, Luke_21, Giles_21, BloominB_21, DeepSoil15_21, Evanesce_21, HH92_21, Dewey_21, Ubuntu_21, OBUpide_21, Luna22_21, Kinbote_21, Webster2_21, LilHazelNut_21, Hadrien_21, Wishmaker_21, Ein37_21, Daegal_22, Amochick_21, Hail_21
- Track 603 : NovoPizza_18
- Track 604 : Gravaillia_21, Gancho_20
- Track 605 : Blackbeetle_49, Poise_49
- Track 606 : Huphlepuuff_51, Clarkson_50, FeliMaine_51, Corazon_47, Lilbit_48, LittleLaf_49
- Track 607 : Tesla_48, Caprice_46, Raela_49, RedRaider77_49, Gattaca_48, MosMoris_47
- Track 608 : GoongGoong_48, Marvin_47, Pringar_49, VasuNzinga_49, Beelzebub_53, JoieB_50
- Track 609 : Nairb_18, ZenTime222_18, RonRayGun_18, Whitty_18, Bernal13_18, Ibrahim_18
- Track 610 : Nette_18, Mendokysei_17
- Track 611 : Stellammi_15
- Track 612 : Gaia_13, Nebkiss_14
- Track 613 : Cracklewink_23
- Track 614 : Hilltopfarm_23, Faiyaz_23, Typha_23, AuntGwenStacy_23
- Track 615 : Bipper_23
- Track 616 : 32HC_25
- Track 617 : Rem711_24
- Track 618 : P3MA_17
- Track 619 : TPA4_18
- Track 620 : Whack_17
- Track 621 : Gallia_41
- Track 622 : P1201_46
- Track 623 : REQ2_19
- Track 624 : LilSpotty_16
- Track 625 : ChewyVIII_55
- Track 626 : Tailonex_23
- Track 627 : DS6A_20
- Track 628 : Sleepyhead_17
- Track 629 : REQ3_49
- Track 630 : Kumao_27

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

The start number called the most often in the published annotations is 106, it was called in 240 of the 1247 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_27, 40AC_30, AN3_27, AN9_30, ANI8_30, AbbyPaige_29, Acolyte_27, Adzzy_28, Agape74_29, Aliter_28, Alma_28, Aneem_27, AnnaL29_30, Anselm_27, Anthony_26, ArcherNM_29, Arissanae_26, Artemis2UCLA_30, Ayanochan_29, BABullseye_30, BBQValindra_18, BabyBack_29, Bachome_27, BackstagePass_18, Bactobuster_28, Baehexic_28, Beemo_28, Bellris_25, BengiVuitton_28, BennyP_30, Benvolio_27, BiancaTri92_29, BlessJoy_30, Blinn1_30, Blue7_30, BobSwaget_30, BogosyJay_28, Bowser_18, Bowtie_27, Bradman_26, Bud_27, Buggy_29, Bunker_18, C3_25, CRB1_27, Candra_30, Caraxes_26, Catalina_28, Celestiallunch_27, Centaur_29, Changeling_29, Chargerpower_27, Charm_27, Chartreuse_30, Che12_29, ChipMunk_29, Chipko_18, CloudWang3_30, CogOmlette_25, Colin_31, Conquerage_28, Cookiedough_30, Coriander_18, Crucio_27, D29_27, D32_30, DBQu4n_30, DaVinci_30, Dalmatian_27, Darrell_29, DarthPhader_28, DeerParkTS_28, Deloris_28, DelvinSonDorr_29, Dignity_29, DirtyBoi_19, Dmitri_18, Doggs_17, Dorothea_30, Drake55_29, DreamTeam1_27, DudeLittle_27, Duplo_30, EZMoney23_31, EagleEye_29, Ebony_27, Echid_27, EdogawaKiddo_26, Eidsmoe_28, Elephantoon_28, EmyBug_28, Equemioh13_29, EricB_30, Et2Brutus_26, EvilGenius_29, ExplosioNervosa_28, Eyes_18, Fameo_27, FatCactus_25, Fayely_28, Fibonacci_27, FiringLine_27, First_0027, Flare16_27, Flaverint_27, ForesterFrank_28, Gail_26, Garak_31, GaugeLDP_29, Georgie2_28, Gilberta_27, Gladiator_30, Gratitude_28, GreedyLawyer_30, Gruunaga_30, Hammer_30, HannahD_18, Hanray_27, HarryHoudini_29, Hedwig_19, Heffalump_29, Helmet_30, Herbertwm_24, Hexamo_30, HippoHollow_28, Horex_27, Hoot_30, HortumSL17_28, Hutc2_27, Indra_30, Insomnia_27, IronMan_29, Isiphiwo_30, Iwokeuplikedis_28, Jaan_30, Jabith_27, Jecs_19, Jeeves_26, Jeffabunny_30, Jerm_29, JewelBug_30, Jiawan_27, Jordennis_30, Joselito_27, JoshKayV_29, Journey13_25, Jsquared_26, Kalpine_30, Kazan_30, Kerberos_30, Keziacharles14_26, Kiko_19, Kimba_27, KingCyrus_29, Kinmap_27, Kipper29_30, Klodlith_27, Koduck_28, Koko_30, L5_27, LadyBird_27, Landor_28, Larenn_28, Leogania_29, Leviathan_29, LilTurb_29, Lilbunny_30, Lilleskat_26, LionsBait_28, Lokk_30, Loser_30, Luchador_28, Lucivia_27, Lucyedi_28, MaCh_27, Mabel_27, MagicMan_18, MajorMajor_26, Malec_28, Maminiaina_28, McFly_30, MegTheThird_26, MiculUcigas_27, Miko_30, Minispark_25, MissWhite_27, Moonflower_18, Mulciber_27, Munch_27, Myxus_28, NaLuna_18, NaSiATalie_27, Naji_30, Neeharika16_30, Newrala_30, NicoleTera_31, NothingSpecial_29, Odin_26, Onglai_27, Opie_18, Orange_27, PackMan_28, PainterBoy_28, PatriciaStar_17, Petersenfast_26, Ph8s_28, Phaded_30, Phaeder_28, Pharaoh_27, Phlei_22, Phonnegut_28, Pioneer_28, Piro94_28, Pmask_30, Polyphemus_30, Pomar16_30, Power_27, Priamo_30, Priya_28, Prudy_29, Pukovnik_29, Qobbit_28, QueenB2_27, QueenBeesly_27, Quokka_25, Rachaly_30, Rahalelujah_26, RayTheFireFly_18, RedRock_30, Refuge_30, Retro23_27, Rifter_30, Roksolana_30, RyeScarlet_29, Sachima_26, Salz_27, Saskia_26, Scherzo_28, SemperFi_29, Serenity_26, Sham4_27, SheaKeira_27, Sknot_27, Smeagan_29, SmellyB_30, SnapTap_27, Snape_27, SororFago_26, Spouty_28, StarStuff_30, Steamy_28, SuperAwesome_30, SuperCallie99_30, Superchunk_26, SweetiePie_27, SwirlSquare_28, TaronosaurusRx_18, TarsusIV_27, Temprado_30, Terrific_31, Timothy_27, TinyTimmy_27, TipsytheTRex_26, Toaka_26, Tomathan_30, ToneTone_28, Travvers_30, Tristan_28, Trixie_30, Trooper_27, Tubs_28, Tucker_30, Turbido_29, Ugenie5_25, Updawg_29, VA6_27, VC3_30, Vanisoa_26, VohminGhazi_30, WeiHuaDA_33, Whabigail7_29, WideWale_29, Wiks_30,

Wolpertinger_26, WorldCup_25, WunderPhul_30, XianYue_27, Yecey3_27,
Yokurt_30, Zaka_30, Zimmer_29, Zulu_30,

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

- GEazy_18, Schnabeltier_18, ZAYM_18,

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

- 32HC_25, 8UZL_20, APunk_35, ATCC29399BC_15, ATCC29399BT_15, Abblin_34, Abscondus_46, Acquire49_17, ActinUp_22, Adephagia_22, Adonis_22, Aegeus_17, Affeca_32, Agatha_17, Agent47_20, AgentM_23, Ageofdapage_22, AikoCarson_16, Ailee_32, Airmid_23, AizenPogi_17, Alatin_22, Aleemily_18, Ali17_30, AlishaPH_22, AlleyCat_20, Alpacad0s_21, Ameli0_18, Amgine_20, Aminay_20, Amochick_21, Amohnition_21, Amok_16, Amymech_21, Anaya_23, Anaysia_29, AndPeggy_16, Angel_17, Angelica_22, Angelicage_32, AngryOrchard_21, Anma_22, Annihilator_17, Anon_27, Antsirabe_17, Aphelion_47, Apiary_44, Apocalypse_22, AppleCloud_20, Applecrisp_20, Applejacks_17, Appletree2_17, Apricot_18, Aquarius_15, Arag0g_23, Archetta_23, ArchiDore_18, Archie_17, Archimedes_15, Archis_19, Arianna_18, Aroostook_17, Arri_33, Arti_40, Asapag_19, Asayake_22, Ashertheman_34, Astro_23, Atiba_22, Attacne_15, AuntGwenStacy_23, Auspice_27, AvadaKedavra_17, Avani_18, Avocado_17, Avrafan_17, Axym_17, Ayotoya_21, Azira_19, Aziz_31, AzulaCat_17, Azula_20, BEEST_22, BENTherdunthat_19, BGlluviae_22, BPs_17, BQuat_17, BabyMoney_20, Bachita_49, Baddon_33, BaghaKamala_22, Bakery_31, Balloona_16, BananenDer11_20, Banquo_25, Bantam_29, Baoshan_16, Barb_32, Barco_18, Barkley26_17, BarrelRoll_22, Barsten_34, Battleship_30, Baudelaire_17, Baumdotcom_33, Bavilard_17, Bazzle_17, Beelzebub_53, Beezoo_22, Begonia_19, Belenaria_22, Bella96_22, Belladonna_22, Bellis_18, Belphegor_32, Benedict_23, Bern_22, Bernal13_18, BetterKatz_21, BiPauneto_43, Bibwit_33, BigCheese_17, BigChungus_16, BigHunkinEater_36, Binglebops_18, BillDoor_19, Bipper_23, Biskit_18, Bizzy_34, Blackbeetle_49, Blarby_19, BlingBling_18, Blino_18, Blizzard_22, Blondies_18, BloominB_21, BlueNGold_99, Blueberry_20, Bluefalcon_22, BobBob_31, BobbyDazzler_22, Bobquesha_24, BobsGarage_17, Bock_21, Boiili_22, Boilgate_19, Bonamassa_23, Bonanza_22, Bongo_27, Bonum_43, Boohoo_29, Boopy_100, BoostSeason_18, BotCity_19, BourbonZero_17, Bradshaw_22, BrainDrainer_18, Brandonk123_35, Brawn1_30, Braxoaddie_44, Breezona_17, Bricole_27, Bromden_18, BruceB_17, BruceLethal_15, BrutonGaster_35, Bryce_22, Bryler_21, Brylie_21, Bubble_17, Budski_19, Buggaboo_41, Burnsey_17, Button_18, Buttrmlkdreams_17, C3PO_30, CLED96_17, CREW_22, Cafasso_18, Cain_21, Caitlin_22, CallaLilly_22, Calm_17, Cambiare_18, Camri_17, CanesSauce_17, Caprice_46, Capricorn_22, CaptainKirk2_18, CaramellLatte_17, Cardigan_46, CarolAnn_18, Carsonalex_18, CaseJules_22, CassieYates_17, Catfish_21, Cedasite_17, ChadMasterC_34, Chadwick_24, Chance64_17, Chancellor_23, Charming_34, Chaser_17, Chavito_22, Che9d_18, CheeseSpider_21, CheeseTouch_19, CheetoDust_22, Cheetobro_23, CherryCola_33, Cherrybomb426_17, CherryonLim_18, ChewyVIII_55, Chickadee_31, ChickenTender_19, ChocoMunchkin_17, Chop_21, Chris_21, ChutneyChips_16, CicholasNage_17, ClamChowder_32, Clarkson_50, Claus_17, Clautastrophe_18, Cleo_17, Clipper_22, Cloudyecho_17, Clown_34, ClubL_47, CocoaPuff_16, CoffeeBean_44, Coleslaw_17, Collard_20, Colleen_18, Colossa_19, Commandaria_42, Conspiracy_23, Coog_23, Corazon_47, CosmicSans_22, Cota_15, CoveyB_32, Cozz_17, Cracklewink_23, Crater_17, Crespo_17, CrimD_22, Crossroads_17, Cruella_30, Cuco_23, Cucurbita_49, Culver_47, Curiosium_23, DHan_17, DMoney_17, DNAlII_0017, DS6A_20, Dadosky_20, Daegal_22,

Dalilpop_45, Dalmuri_22, DanBing_16, DanSyl44_24, Danforth_22, Danyall_32, Dardanus_23, Daredevil_28, Darionha_17, DartGoblin_22, DarthP_21, Dartin_22, Darwin_33, DatBoi_30, DearBasketball_20, Deby_22, DeepSoil15_21, DekHockey33_29, DelRio_22, Delian_18, Delrey21_33, Demsculpinboyz_18, Derg_29, Devera_22, Dewey_21, Dexdert_32, Diminimus_28, DingDing_17, Dinger_22, DinoDaryn_23, DinoNuggets_18, DirkDirk_17, Discoknowium_23, DismalFunk_18, DismalStressor_18, Dixon_23, DoctorFroggo_33, Dogfish_20, Dole_22, DonkeyMan_17, DoubleChamp_20, Douge_17, Doughnut_18, Douzhi_17, DrHayes_22, DrParker_15, DrSeegs_17, Dre3_17, Dublin_22, Dulcita_28, DumpsterDude_18, DuncansLeg_18, Durfee_22, Dusty_46, DyoEdafos_18, ECartman_17, EMoore_30, EdmundFerry_30, Edugator_19, Efra2_22, Egi03_30, Ein37_21, Ekdilam_19, ElJefes_16, ElTiger69_23, Elinal_18, Elliott_17, Elle_27, Ellie_19, Ellson_18, Emalyn_16, Emerson_22, Emianna_40, Enceladus_17, Engineer_48, Enkosi_18, Ennea_46, Enochoraptor_15, Enoki_15, Eponine_23, Epsocamisio_29, Erik_22, Espica_22, Estes_32, Evamon_30, Evanesce_21, Ewald_21, Expelliarmus_22, FF47_20, Fairfaxidum_18, Faith1_17, Faiyaz_23, Farewell_15, FarmResident_17, Feastonyet_16, Fefferhead_21, FeliMaine_51, Fenry_17, Feyre_20, Findley_18, Finemlucis_17, Finnry_18, Fionnbharth_23, Fireball_31, Fitzgerald_32, FlagStaff_17, Flapper_44, Flatwoods_34, Float294_42, Florence1_23, Florence4_24, ForGetIt_23, Forge_21, Forza_100, Fosterous_32, Foxboro_41, Francois_21, FreakyGoo_28, Fribs8_18, Frickyeh_19, Frizzle_15, Frokostdame_18, Frosty24_17, Fryberger_52, FuegoCuervo_36, Fugax_32, Fury_49, GMA2_29, GRU1_30, GTE2_15, GTE5_31, GTE6_31, GTE8_29, Gabriela_17, Gaea_33, Gagieri_44, Gaia_13, Galadriel_34, Gallia_41, Gambino_20, Gancho_20, Ganymede_23, Gardann_17, GardenSalsa_31, Gattaca_48, Geeche_46, GenevaB15_31, Gengar_20, Geodirt_31, George_22, Geraldini_22, Getalong_20, Gezellig_30, Ghobes_15, Ghoulyboy_23, GiKK_20, Gibbous_17, Gideon_17, Giles_21, Glaske16_28, GodSpeed_18, GodonK_88, Goib_22, GoldHunter_18, GoldenAsh_17, Gollum_22, Gomashi_17, GoongGoong_48, GrandSlam_21, Gravallia_21, Grizzly_17, GrootJr_42, Groundhog_22, Gspu1_19, Guacamole_18, Guanica15_22, Guey18_57, Guillsminger_20, Gustav_17, Gustavo_33, GuuelaD_17, HH92_21, Hadrien_21, Hafay_17, Hail_21, Halena_17, Halo3_31, Halo_17, Hammy_21, Hamood_21, Hans_34, Harlequin_22, HedwigODU_22, Heftyboy_20, Heinz_17, Hexbug_19, Hibiscus_17, Hilltopfarm_23, HippoPololi_19, Hiro_22, Hitter_18, Holliday_19, HomeFry_46, Homura_22, Hope_17, Horseradish_18, Horus_19, Hotshotbaby7_17, HubbaBubba_38, Huffy_23, HuhtaEnerson15_23, Huphlepuuff_51, Hurricane_21, Hyperbowlee_22, IDyn_41, IPhane7_27, Ibrahim_18, Illumine_22, Inky_22, Inspectinfecti_33, InvictusManeo_20, Itos_17, Izel_28, JAWS_22, JF1_23, JKSyngboy_31, JSwag_29, Jabbawokkie_20, Jabberwocky_32, Jabiru_23, JacoRen57_16, Jalammah_20, Jambalaya_30, Jamzy_20, Jane_17, Jarvi_22, JasperJr_18, Jayhawk_22, Jeckyll_22, Jeilious_17, Jester_22, Jifall16_39, Jobypre_18, JoeDirt_17, JohnPork_30, JoieB_50, Jojo24_17, Jolene_17, Jolie2_17, JonJames_46, Jonghyun_17, JorRay_17, Jovo_23, Joy99_22, JuJu_18, Jubie_18, Juliette_23, JustASigh_17, Kabluna_43, Kahlid_17, Kamaru_19, Kamashten_33, KappaFarmDelta_18, Kareem_17, Kasen3_17, KatherineG_29, KayGee_17, Keelan_50, Keiki_15, Keitabear_34, Kenna_18, Keshu_21, Kewpiedoll_33, KiSi_21, KidneyBean_40, Kimchi1738_30, KimmyK_32, Kinbote_21, Kingsolomon_18, KirDoubleO7_16, KleverKiS_27, Kratio_19, Kraw_23, Krishelle_22, Kroos_34, Kropertea_17, Krueger_21, Krypton555_18, Kubed_15, Kudefre_26, Kumao_27, Kurt_40, Kwekel_31, Kwobi_35, Larva_20, LastHope_22, LastResort_29, LaterM_22, Lauchelly_15, Lauer_16, Lavahound_20, LeBron_17, LeMond_21, Lea83_21, Lebo14_23, Lemuria_17, Lennon_34, Leonard_32, Leroy_19, Leston_20, Lev2_23, Leviosa_15, Lewan_17, Liefie_17, LilBandit_15, LilDestine_17, LilDirt_19, LilHam_31,

LilHazelNut_21, LilJank_27, LilPharaoh_18, LilSpotty_16, Lilbeanie_29, Lilbit_48, LilhomieP_26, Lillie_22, LindNT_22, LitninMcQueen_19, LittleCherry_23, LittleLaf_49, LiyuLake_18, Llorens_22, Loadrie_17, Lollipop1437_45, Lolly9_18, LoneWolf_28, LongHai_21, Looper_30, LouisV14_17, Love_37, Lozinak_47, Luke_21, Lumos_18, Luna22_21, Lunahalos_22, Lutum_19, Lynnae_17, Lysidious_19, MAckerman_17, MAnor_17, MEAK_15, MOOREtheMARYer_17, MScarn_19, MZKinsey_17, MaVan_19, MacGully_49, MacKat_22, MacnCheese_22, Maco6_18, Mahdia_17, MakCheese_19, Malachai_19, MalagasyRose_23, Malibo_19, Maliketh_17, Malisha_20, Malthus_24, Malvina_19, Manilisa_22, Marcoliusprime_18, Mareelih_98, Margaret_20, Marietta_42, MarkPhew_22, Marmie_17, Marshawn_23, Marvin_47, MarysWell_22, Maselop_44, Mayweather_18, McCrothy_34, McDazzle_16, McKinley_36, McMater_22, Mdavu_18, MeaningOfLife_22, Megsy_22, MelBins_33, Melba_18, Mellie_17, Mendokysei_17, MerCougar_41, Mercurio_18, Meyran_20, Micasa_23, MicyPS_16, Midas2_23, Milcery_23, Miley16_17, Milly_18, MinecraftSteve_30, MiniLon_18, MiniMac_18, MintFen_18, Miryou_20, Miskis_45, MissDaisy_23, MissRona_20, Mitti_23, MkaliMitinis3_17, ModicumRichard_18, Mollymur_30, MoontowerMania_33, Moostard_18, Morgana_18, Morrissey_18, MosMoris_47, Mowgli_17, Moyashi_15, MrAK_15, MrMagoo_31, MsGreen_18, Muddy_20, Mufasa_18, Mulch_21, MunkgeeRoachy_17, Murp_18, Murucutumbu_22, Mutzi_32, Mynx_22, Naca_23, Nadeem_21, NadineRae_40, Naiad_22, Nairb_18, Nancinator_22, NancyRae_21, Nanosmite_31, NatB6_40, Natkenzie_34, Natosaleda_22, NearlyHeadless_23, Nebkiss_14, Nebulosus_29, Nedarya_28, Neighly_20, Neoh_17, Nergal_21, Nette_18, Netyap_17, Neville_27, Nibb_21, Nibbles_19, Nicholas_18, Nicholasp3_17, Nikao_18, Niklas_22, Nina_18, NoShow_17, Nodigi_19, Nordenberg_28, Norvs_48, NosilaM_43, November_20, NovoPizza_18, NovumRegina_40, Nubi_30, Nutello_18, Nyceirae_22, OBUpride_21, ObLaDi_18, Obliviate_17, OctaviousRex_17, Octobien14_27, OhShagHennessy_17, OkiRoe_20, Olga_17, OmniCritical_23, Omnicron_20, OneUp_41, Oofda_29, Orla_19, Oscar_21, Ouroboros_15, Outis_41, OverPar_17, P1.1_15, P100.1_15, P100A_15, P100D_15, P101A_15, P104A_15, P104B_15, P105_15, P106A_15, P106C_15, P106I_15, P106L_15, P106M_15, P107A_15, P107C_15, P108C_15, P1201_46, P14.4_15, P3MA_17, P9.1_15, PA6_15, PAD20_15, PAS50_15, PCora17_18, PHL010M04_15, PHL037M02_15, PHL060L00_15, PHL067M10_15, PHL071N05_15, PHL111M01_15, PHL112N00_15, PHL113M01_15, PHL114L00_15, PP_36, PSonyx_16, PYPDinur_17, Pace1224_17, Padfoot_22, Padpat_22, Paito_17, Paola_20, Parada_21, Paries_36, Partridge_22, Patio_43, Patt_23, Peanam_22, Peeb_17, Peel_22, PegLeg_27, Pemberton_44, Periodt_17, Periwinkle_21, PeteyPab_32, Petra_20, PetterN_24, Phabuloso_19, PhailMary_21, Pharb_21, Phauci_25, PhelpsODU_21, Phendrix_86, Phillis_23, Phinally_32, PhinkBoden_47, Phish_17, Phishy_21, Phistory_20, Phloodle_17, Phlop_30, Phlorence_23, Phomeo_39, Phrank_21, Phrankensteen_22, Phreak_17, PhrostedPhlake_19, Piatt_22, PickleBack_23, Pimento_22, PinkCoffee_32, PinkYoshi_17, Pinnie_18, Pipp_18, Pirate_15, Pisa1_21, Pisa4_21, Pixie_21, Plagueis_17, Pleakley_49, Poise_49, Pokerus_21, Polyuyki_44, Pons_17, Poochiewood_17, Portcullis_30, PotPie_17, PotatoChip_33, Poushou_18, Prinashel1_24, PrincePatrick_18, Pringar_49, Prithvi_22, Procrass1_15, PsychoKiller_17, Psycho_20, PullumCavea_30, Pumpkiney_35, Puppies_17, Qhanda_24, Quasar_17, Quby_17, QueenBey_15, QuincyRose_21, RADical_18, REQ2_19, REQ3_49, RER2_15, RGL3_15, RSchmailz_18, Rabbitrun_29, Rabbs_17, Raela_49, Ramen_22, RanchParmCat_20, Rando14_20, Rapunzel97_22, Rasputin_22, Rattrick_17, Ravana_30, ReMo_29, Red305_18, RedBaron_18, RedRaider77_49, RedRaider_47, Reindeer_25, Rem711_24, Remus_29, Remy19_17, Renaissance_17, Reptar3000_23, RexFury_22, Rey_31, Reyja_18,

Rhodalysa_22, Ribeye_34, Richarlison_17, Richo_22, Rileysaurus_15,
 RiverRaider_34, RoadKill_29, Roary_23, Rofo_34, RogerDodger_33,
 RonRayGun_18, Ronaldo_55, Rosalind_29, Rose5_17, RoseMarie_27,
 Rosmarinus_22, Rossetti_17, Rumpelstiltskin_17, Ruriko_17, Ruthiejr_22, Ruthy_18,
 SKKY_15, Saintus_23, Salvador_30, Salvus_21, SamScheppers_21, Samba_18,
 Sampson_34, Samty_18, SamuelLPlaqson_22, Sanjuju_32, Santhid_17, Sapo_15,
 Saronaya_33, Sarshaun_17, Savbucketdawg_30, Scarlett_21, Schiebel_17,
 Schmidt_19, SchottB_32, Scioto_34, Scorpia_24, Scuba_49, Sedona_34, Sendy_31,
 Sephiroth_27, SgtBeansprout_18, ShaboiShabazz_17, Shadow1_20, Shaobing_22,
 ShawBrad_19, ShayRa_30, SheckWes_16, ShedlockHolmes_21, Sheng711_17,
 ShiaSurprise_22, Shinji_30, Shivanishola_35, Shuman_22, SilverChicken_18,
 Silverleaf_17, SirPhilip_21, Sitar_34, Sixama_98, Sixsevenium_31, Sizemore_17,
 SketchMex_16, Skinny_28, Skysand_42, Slarp_23, Sleepyhead_17, SlimJimmy_26,
 Slimphazie_22, Smeadley_23, SmokingBunny_30, Smoothie_48, Sneeze_17,
 Snenia_18, SoJulia_17, SoSeph_20, Soap141_17, Socotra_18, Soilmate_18,
 Solid_15, Sopespian_17, Soul22_18, Soups_29, Sparky_15, SpeedDemon_310,
 Splinter_21, Spock_22, Spooky_19, Sprinklemunch_17, Squiddly_21, StCroix_22,
 StarStruck_41, Starburst_18, Stargaze_17, SteamedHams_19, Stellammi_15,
 Stephig9_23, Stichling_31, Stickynote_32, Stinson_22, Stormborn_15,
 StorminNorm_33, Strobilo_18, Strosahl_29, Stultus_32, Sukkupi_42, Sulley_22,
 SummitAcademy_16, Sunflower1121_20, Sunhee_25, SuperSulley_41,
 Supernova_15, Survivors_19, Swann_22, SweatNTears_19, Sweets_17, Swirley_23,
 Switzerland_29, SydNat_23, Syleon_27, Syra333_21, TBond007_21, TClif_21,
 TM4_18, TPA4_18, TWAMP_22, TZGordon_23, Tachez_22, Taheera_17,
 Tailonex_23, TaiwanKao_23, Takoda_22, Tangent_34, Tangerine_33, Taotie_16,
 Taquito_21, Tardus_35, Tarnish_17, Tarynearal_22, Tarzan_17, Teejan_18,
 Terror_17, Tesla_48, Theia_21, Thing3_33, Thyatira_20, Tiamoceli_32, Tierra_21,
 Tiger_23, Tigress9_22, TillyBobJoe_30, TinaBug_17, TinaLin_24, TingHuaYa_22,
 TiniBug_22, Tiri_22, Toast_18, Togo_30, Tolls_19, TomBrady_17, Toniann_47,
 Topper_22, Torres_18, TouchMeNot_18, Tourach_17, Towmatter_27, TpudiCK_28,
 Tracker_40, Trax_27, TreyKay_22, TriFive_18, TribbleTrouble_20, Trice_18, Trine_17,
 Troje_17, TruffulaTree_22, Turuncu_44, Twigg_23, Twister6_32, Twitch_22,
 Twonlo_29, TyDawg_27, Tycho_33, Typha_23, Typhonomachy_17, Tyson_17,
 UPIE_17, Ubuntu_21, UhSalsa_22, UmaThurman_18, Underpass_17, Unicorn_21,
 UnionJack_23, Upyo_17, Urkel_22, Utz_18, Valary_33, Validus_22, VanDeWege_33,
 VanLee_19, VasuNzinga_49, Veliki_22, Vendetta_21, Verity_33, Vetrix_17,
 ViaConlectus_34, Vine_18, Vivi2_36, ViviJ_19, Volt_54, Vordorf_21, Waits_29,
 Wallaby_21, Walrus_19, Wamburgxpress_17, Warrior24_29, Waterfoul_20,
 Webster2_21, Weirdo19_18, Wendigo_17, Whack_17, WheatThin_21, Wheezy_40,
 Whirlwind_19, Whitney_20, Whitty_18, WhoseManz_42, Widow_17,
 Wigglewiggles_17, Wilder_17, WilliamBoone_47, William_18, Winky_17,
 Wintermute_23, Wishmaker_21, Wisp_17, Wizard_30, Wizzo_15, Wocket_19,
 Wolfwood_21, Wyatt2_17, Ximenita_22, Y10_23, Y2_23, Yakult_18, YangYin_17,
 Yarn_16, YasnayaPolyana_23, Yndexa_42, Yogi_22, Yoncess_22, YorkOnyx_34,
 Yoshi_18, YoureAdopted_21, Yucky_17, Yummy_18, Yuna_22, YungMoney_32,
 Yunkel11_22, Yvonnetastic_44, Zabiza_22, Zakai_17, Zapner_19, Zarbodnamra_18,
 Zareef_19, Zaria_17, Zavala_22, ZenTime222_18, ZhongYanYuan_16, ZiggyZoo_17,
 Ziko_55, Zilla_18, Zion_33, Zipp_33, Zitch_35, ZoMa_17, Zodiariah_17, ZoeJ_18,
 Zolita_22, Zombie_17,

Summary by start number:

Start 25:

- Found in 4 of 1467 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 50.0% of time when present
- Phage (with cluster) where this start called: FlagStaff_17 (G2), Pace1224_17 (G2),

Start 29:

- Found in 1 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_19 (K8),

Start 30:

- Found in 1 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_20 (K7),

Start 31:

- Found in 265 of 1467 (18.1%) of genes in pham
- Manual Annotations of this start: 231 of 1247
- Called 98.9% of time when present
- Phage (with cluster) where this start called: ActinUp_22 (K1), Adephagia_22 (K1), Adonis_22 (K1), Ageofdapage_22 (K1), AizenPogi_17 (G1), AlishaPH_22 (K1), Amelie_18 (K1), Amgine_20 (K6), Amohnition_21 (K6), Anaya_23 (K1), Angel_17 (G1), Angelica_22 (K1), Anma_22 (K1), Annihilator_17 (G1), Antsirabe_17 (G5), Apocalypse_22 (K1), Applecrisp_20 (K6), Aroostook_17 (G1), Asayake_22 (K1), Atiba_22 (K1), Avrafan_17 (G1), AzulaCat_17 (G1), BEEST_22 (K1), BGlluviae_22 (K1), BPs_17 (G1), BQuat_17 (G1), BaghaKamala_22 (K1), Barkley26_17 (G1), BarrelRoll_22 (K1), Beezoo_22 (K1), Bella96_22 (K1), Belladonna_22 (K1), Bern_22 (K1), Binglebops_18 (K1), Blizzard_22 (K1), Bobquesha_24 (K4), Boiii_22 (K1), BruceB_17 (G1), Bryler_21 (K6), CLED96_17 (G1), CREW_22 (K1), Cain_21 (K6), CallaLilly_22 (K1), Camri_17 (G1), Capricorn_22 (K1), CaseJules_22 (K1), CassieYates_17 (G1), Cedasite_17 (G1), Chance64_17 (G1), Chancellor_23 (K4), Chavito_22 (K1), CheetoDust_22 (K1), Cheetobro_23 (K4), Cherrybomb426_17 (G1), Chris_21 (K1), Clipper_22 (K1), Cloudyecho_17 (G3), Coleslaw_17 (G1), Crespo_17 (G1), CrimD_22 (K1), Curiosium_23 (K1), DMoney_17 (G1), DNAIII_0017 (G1), Dalmuri_22 (K1), DanSyl44_24 (K4), Darionha_17 (G1), DartGoblin_22 (K1), DarthP_21 (K6), Dartin_22 (K1), Deby_22 (K1), Devera_22 (K1), DingDing_17 (G1), Dole_22 (K1), DrHayes_22 (K1), Durfee_22 (K1), ECartman_17 (G1), Efra2_22 (K1), Ekdilam_19 (K6), Ellie_19 (K6), Emerson_22 (K1), Enkosi_18 (K1), Eponine_23 (K4), Fefferhead_21 (K6), Fionnbharth_23 (K4), Frosty24_17 (G1), Ganymede_23 (K1), Geraldini_22 (K1), Gideon_17 (G1), GodSpeed_18 (G2), GoldenAsh_17 (G1), Gomashi_17 (G1), Grizzly_17 (G1), Guanica15_22 (K1), Halo_17 (G1), Hammy_21 (K6), HedwigODU_22 (K1), Homura_22 (K1), Hope_17 (G1), Hotshotbaby7_17 (G1), Hurricane_21 (K3), Hyperbowlee_22 (K1), Illumine_22 (K1), Inky_22 (K1), JAWS_22 (K1), JF1_23 (K4), Jane_17 (G1), Jarvi_22 (K1), Jayhawk_22 (K1), Jeckyll_22 (K1), Jeilious_17 (G), Jolene_17 (G1), Jolie2_17 (G4), Jonghyun_17 (G1), JorRay_17 (G1), Joy99_22 (K1), Juliette_23 (K4), Kareem_17 (G1), Kasen3_17 (G1), Keshu_21 (K3), KiSi_21 (K1), Kraw_23 (K4), Krueger_21 (K6), LastHope_22 (K1), LaterM_22 (K1), Lavahound_20 (K6), LeMond_21 (K1), Lea83_21 (K3), Lebo14_23 (K4), Lemuria_17 (G4), Liefie_17 (G1), LilPharaoh_18 (K1), LindNT_22 (K1), Llorens_22 (K1), LouisV14_17 (G1), Lunahalos_22 (K1), MOOREtheMARYer_17 (G3), MZKinsey_17 (G1), MacKat_22 (K1), MacnCheese_22 (K3), Maliketh_17 (G1), Malthus_24 (K4),

MarkPhew_22 (K1), Marmie_17 (G1), Marshawn_23 (K6), McMater_22 (K1), Mdavu_18 (K1), MeaningOfLife_22 (K1), Megsy_22 (K1), Mercurio_18 (G4), MissDaisy_23 (K4), Mitti_23 (K4), Mowgli_17 (G1), Murucutumbu_22 (K1), Mynx_22 (K1), Neoh_17 (G), Nibb_21 (K1), Nikao_18 (K1), Niklas_22 (K1), November_20 (K6), Nutello_18 (K1), OctaviousRex_17 (G1), Olga_17 (G1), OmniCritical_23 (K4), Oscar_21 (K1), Padfoot_22 (K1), Padpat_22 (K1), Paito_17 (G1), Patt_23 (K4), Peanam_22 (K1), Peeb_17 (G1), Peel_22 (K1), Periodt_17 (G1), Pharb_21 (K3), PhelpsODU_21 (K6), Phish_17 (G1), Phloodle_17 (G1), Phrank_21 (K6), Phreak_17 (G1), Piatt_22 (K1), PinkYoshi_17 (G1), Pinnie_18 (G3), Pisa1_21 (K1), Pisa4_21 (K1), Pixie_21 (K3), Plagueis_17 (G1), Pokerus_21 (K1), Prithvi_22 (K1), QuincyRose_21 (K1), Rabbs_17 (G1), Ramen_22 (K1), Rapunzel97_22 (K1), Rattrick_17 (G1), Remy19_17 (G1), Renaissance_17 (G1), Reptar3000_23 (K4), Richarlison_17 (G1), Richo_22 (K1), Rosmarinus_22 (K1), Ruriko_17 (G1), Ruthiejr_22 (K4), SamScheppers_21 (K4), SamuelLPlaqson_22 (K1), Scarlett_21 (K1), Schiebel_17 (G1), SgtBeansprout_18 (K1), ShaboiShabazz_17 (G1), Shadow1_20 (K6), Shaobing_22 (K1), ShedlockHolmes_21 (K3), ShiaSurprise_22 (K1), SirPhilip_21 (K6), Sizemore_17 (G1), Slarp_23 (K4), Slimphazie_22 (K1), Sneeze_17 (G1), Spock_22 (K1), Stargaze_17 (G5), Stinson_22 (K1), Sulley_22 (K1), Sunflower1121_20 (K6), Sweets_17 (G1), Syra333_21 (K6), TBond007_21 (K3), TCLif_21 (K6), Tachez_22 (K1), Taheera_17 (G1), TaiwanKao_23 (K1), Taquito_21 (K4), Teejan_18 (K1), Terror_17 (G1), Tierra_21 (K6), Tigress9_22 (K6), TinaBug_17 (G1), TingHuaYa_22 (K1), TiniBug_22 (K1), Tiri_22 (K1), TomBrady_17 (G1), Topper_22 (K1), Torres_18 (K1), TreyKay_22 (K1), TribbleTrouble_20 (K3), Trice_18 (K1), TruffulaTree_22 (K1), Twitch_22 (K1), Unicorn_21 (K6), Urkel_22 (K1), Validus_22 (K1), Veliki_22 (K1), Wendigo_17 (G1), Wintermute_23 (K4), Ximenita_22 (K6), Y10_23 (K4), Y2_23 (K4), YangYin_17 (G5), YasnayaPolyana_23 (K4), YoureAdopted_21 (K1), Yuna_22 (K6), Yunkel11_22 (K1), Zabiza_22 (K1), Zavala_22 (K1), ZoMa_17 (G1), Zombie_17 (G1),

Start 32:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_17 (G2), Cambiare_18 (G2),

Start 33:

- Found in 11 of 1467 (0.7%) of genes in pham
- Manual Annotations of this start: 11 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_18 (K2), DismalFunk_18 (K2), DismalStressor_18 (K2), Doughnut_18 (K2), Findley_18 (K2), Marcoliusprime_18 (K2), Milly_18 (K2), Mufasa_18 (K2), Strobilo_18 (K2), TM4_18 (K2), ZoeJ_18 (K2),

Start 34:

- Found in 8 of 1467 (0.5%) of genes in pham
- Manual Annotations of this start: 4 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 8UZL_20 (AB), FF47_20 (AB), JacoRen57_16 (AB), LongHai_21 (AB), Maco6_18 (AB), Muddy_20 (AB), NoShow_17 (AB), Salvus_21 (AB),

Start 37:

- Found in 28 of 1467 (1.9%) of genes in pham
- Manual Annotations of this start: 23 of 1247
- Called 96.4% of time when present
- Phage (with cluster) where this start called: Agent47_20 (K5), AlleyCat_20 (K5), BananenDer11_20 (K5), Collard_20 (K5), Dadosky_20 (K5), DoubleChamp_20 (K5), Edugator_19 (K5), Feyre_20 (K5), Gengar_20 (K5), Guillsminger_20 (K5), Heftyboy_20 (K5), InvictusManeo_20 (K5), Kratio_19 (K5), Larva_20 (K5), Leston_20 (K5), LilDirt_19 (K5), Miryou_20 (K5), Neighly_20 (K3), OkiRoe_20 (K5), Omnicron_20 (K5), Paola_20 (K5), Psycho_20 (K5), Rando14_20 (K5), SoSeph_20 (K5), Thyatira_20 (K5), ViviJ_19 (K5), Waterfoul_20 (K5),

Start 38:

- Found in 35 of 1467 (2.4%) of genes in pham
- No Manual Annotations of this start.
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Qhanda_24 (K4),

Start 44:

- Found in 3 of 1467 (0.2%) of genes in pham
- Manual Annotations of this start: 3 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_13 (X), Nebkiss_14 (X), Nergal_21 (AG),

Start 46:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: P3MA_17 (singleton), TPA4_18 (singleton),

Start 50:

- Found in 8 of 1467 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_23 (Y), Bipper_23 (Y), Cracklewink_23 (Y), Faiyaz_23 (Y), Hilltopfarm_23 (Y), MalagasyRose_23 (AG), Sprinklemunch_17 (DW), Typha_23 (Y),

Start 51:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JustASigh_17 (AH), Weirido19_18 (AH),

Start 52:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_25 (Z), Rem711_24 (Z),

Start 56:

- Found in 28 of 1467 (1.9%) of genes in pham

- Manual Annotations of this start: 23 of 1247
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Amochick_21 (Q), Amymech_21 (Q), BloominB_21 (Q), Daegal_22 (Q), DeepSoil15_21 (Q), Dewey_21 (Q), Ein37_21 (Q), Evanesce_21 (Q), Forge_21 (Q), Gancho_20 (Q), Giles_21 (Q), Gravaillia_21 (Q), HH92_21 (Q), Hadrien_21 (Q), Hail_21 (Q), Kinbote_21 (Q), LilHazelNut_21 (Q), Luke_21 (Q), Luna22_21 (Q), NovoPizza_18 (Q), OBUpide_21 (Q), Ubuntu_21 (Q), Webster2_21 (Q), Wishmaker_21 (Q),

Start 57:

- Found in 3 of 1467 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Sleepyhead_17 (singleton), Zodiariah_17 (DW),

Start 60:

- Found in 19 of 1467 (1.3%) of genes in pham
- Manual Annotations of this start: 18 of 1247
- Called 94.7% of time when present
- Phage (with cluster) where this start called: ArchiDore_18 (DW), Ayotoya_21 (DI), BetterKatz_21 (DI), Bock_21 (DI), Brylie_21 (DI), Chop_21 (DI), DelRio_22 (DI), DumpsterDude_18 (DW), Francois_21 (DI), GrandSlam_21 (DI), Hamood_21 (DI), Mulch_21 (DI), Nadeem_21 (DI), NancyRae_21 (DI), Parada_21 (DI), Pimento_22 (DI), Ruthy_18 (DW), WheatThin_21 (DI),

Start 61:

- Found in 3 of 1467 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: MakCheese_19 (DW),

Start 64:

- Found in 1 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Lilbeanie_29 (DE5),

Start 65:

- Found in 3 of 1467 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_46 (DD), Yvonnestic_44 (DD),

Start 66:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_88 (DK), Phendrix_86 (DK),

Start 67:

- Found in 304 of 1467 (20.7%) of genes in pham

- Manual Annotations of this start: 6 of 1247
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Barco_18 (CV), CheeseSpider_21 (CV), Guacamole_18 (CV), Lysidious_19 (CV), Melba_18 (CV), Pipp_18 (CV), Soilmate_18 (CV), Zarbodnamra_18 (CV),

Start 70:

- Found in 32 of 1467 (2.2%) of genes in pham
- Manual Annotations of this start: 25 of 1247
- Called 78.1% of time when present
- Phage (with cluster) where this start called: Azula_20 (CV), Bantam_29 (DL), Blueberry_20 (CV), Culver_47 (CQ1), Daredevil_28 (DL), DatBoi_30 (DL), Fairfaxidum_18 (CV), Ferry_17 (CV), Gambino_20 (CV), Jalammah_20 (CV), JuJu_18 (CV), MissRona_20 (CV), Mollymur_30 (DL), Norvs_48 (CQ1), Nyceirae_22 (DT), PCoral7_18 (CV), PrincePatrick_18 (CV), Samba_18 (CV), Smoothie_48 (CQ1), SpeedDemon_310 (DL), Toast_18 (CV), Towmatter_27 (DL), WilliamBoone_47 (CQ1), William_18 (CV), Zilla_18 (CV),

Start 72:

- Found in 44 of 1467 (3.0%) of genes in pham
- Manual Annotations of this start: 35 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_35 (DE4), Abblin_34 (DE4), Ali17_30 (DE2), Belphegor_32 (DE2), BigHunkinEater_36 (DE4), C3PO_30 (EN), Chickadee_31 (DE3), Cruella_30 (EN), Darwin_33 (EN), Delrey21_33 (DE4), Dextert_32 (DE3), DoctorFroggo_33 (DE4), EMOore_30 (DE2), EdmundFerry_30 (DE3), GMA2_29 (DS), GTE6_31 (DE3), Gallia_41 (singleton), Hans_34 (DE2), Inspectinfecti_33 (DE2), Kimchi1738_30 (EN), Kwekel_31 (DE3), Leonard_32 (DE2), LilSpotty_16 (singleton), MelBins_33 (DE2), Natkenzie_34 (DE4), P1201_46 (singleton), PeteyPab_32 (EN), Phauci_25 (DE2), Phinally_32 (DE2), PotatoChip_33 (EN), Pumpkiney_35 (DE4), RoadKill_29 (DE3), Sampson_34 (DE4), Sapo_15 (DA), Scioto_34 (DE4), Stickynote_32 (EN), Tardus_35 (DE4), Tiamoceli_32 (DE3), Twonlo_29 (DE3), Verity_33 (DE4), ViaConlectus_34 (DE4), Zion_33 (EN), Zipp_33 (DE4), Zitch_35 (DE4),

Start 73:

- Found in 42 of 1467 (2.9%) of genes in pham
- Manual Annotations of this start: 29 of 1247
- Called 76.2% of time when present
- Phage (with cluster) where this start called: Archis_19 (CV), BabyMoney_20 (DT), Begonia_19 (CV), BlingBling_18 (CV), Blino_18 (CV), CaptainKirk2_18 (CV), CarolAnn_18 (CV), Delian_18 (CV), Dogfish_20 (DT), Ewald_21 (DT), Frizzle_15 (DA), Ghobes_15 (DA), Hitter_18 (CV), JasperJr_18 (CV), KappaFarmDelta_18 (CV), Malachai_19 (CV), Manilisa_22 (DT), Mellie_17 (CV), Meyran_20 (DT), MintFen_18 (CV), Murp_18 (CV), Obliviate_17 (CV), OneUp_41 (CQ2), Petra_20 (CV), Phishy_21 (DT), PhrostedPhlake_19 (CV), UmaThurman_18 (CV), Utz_18 (CV), Vordorf_21 (DT), Walrus_19 (CV), Wocket_19 (CV), ZiggyZoo_17 (CV),

Start 75:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DS6A_20 (singleton),

Start 76:

- Found in 20 of 1467 (1.4%) of genes in pham
- Manual Annotations of this start: 13 of 1247
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Abscondus_46 (CQ1), Aphelion_47 (CQ1), Archimedes_15 (DA), Bachita_49 (CQ1), BrutonGaster_35 (CQ2), ClubL_47 (CQ1), Cucurbita_49 (CQ1), Dusty_46 (CQ1), Engineer_48 (CQ1), Geeche_46 (CQ1), Lozinak_47 (CQ1), Miskis_45 (CQ1), PhinkBoden_47 (CQ1), Toniann_47 (CQ1),

Start 78:

- Found in 2 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Farewell_15 (AF), Sparky_15 (AF),

Start 79:

- Found in 50 of 1467 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 2.0% of time when present
- Phage (with cluster) where this start called: P108C_15 (BU),

Start 83:

- Found in 64 of 1467 (4.4%) of genes in pham
- Manual Annotations of this start: 44 of 1247
- Called 87.5% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_15 (BU), ATCC29399BT_15 (BU), Aquarius_15 (BU), Attacne_15 (BU), BruceLethal_15 (BU), Cota_15 (BU), DrParker_15 (BU), Enochoraptor_15 (BU), Enoki_15 (BU), Keiki_15 (BU), Kubed_15 (BU), Lauchelly_15 (BU), Leviosa_15 (BU), LilBandit_15 (BU), MEAK_15 (BU), Moyashi_15 (BU), MrAK_15 (BU), Ouroboros_15 (BU), P1.1_15 (BU), P100.1_15 (BU), P100A_15 (BU), P100D_15 (BU), P101A_15 (BU), P104A_15 (BU), P104B_15 (BU), P105_15 (BU), P106A_15 (BU), P106C_15 (BU), P106I_15 (BU), P106L_15 (BU), P106M_15 (BU), P107A_15 (BU), P107C_15 (BU), P14.4_15 (BU), P9.1_15 (BU), PA6_15 (BU), PAD20_15 (BU), PAS50_15 (BU), PHL010M04_15 (BU), PHL037M02_15 (BU), PHL060L00_15 (BU), PHL067M10_15 (BU), PHL071N05_15 (BU), PHL111M01_15 (BU), PHL112N00_15 (BU), PHL113M01_15 (BU), PHL114L00_15 (BU), Pirate_15 (BU), Procrass1_15 (BU), QueenBey_15 (BU), Rileysaurus_15 (BU), SKKY_15 (BU), Solid_15 (BU), Stormborn_15 (BU), Supernova_15 (BU), Wizzo_15 (BU),

Start 84:

- Found in 112 of 1467 (7.6%) of genes in pham
- Manual Annotations of this start: 6 of 1247
- Called 5.4% of time when present
- Phage (with cluster) where this start called: BlueNGold_99 (DS), Boopy_100 (DS), ChewyVIII_55 (singleton), Forza_100 (DS), Mareelih_98 (DS), Sixama_98 (DS),

Start 85:

- Found in 61 of 1467 (4.2%) of genes in pham
- Manual Annotations of this start: 58 of 1247
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Affeca_32 (DE1), Ailee_32 (DE1), Angelicage_32 (DE1), Apiary_44 (CR6), Ashertheman_34 (DE1), Baddon_33 (DE1), Barsten_34 (DE1), Baumdotcom_33 (DE1), Bibwit_33 (DE1), Bizzy_34 (DE1), BobBob_31 (DE1), Brandonk123_35 (DE1), Brawn1_30 (DE1), Braxoaddie_44 (CR6), ChadMasterC_34 (DE1), Charming_34 (DE1), CoffeeBean_44 (CR6), Derg_29 (DE1), Fitzgerald_32 (DE1), Flatwoods_34 (DE1), Fosterous_32 (DE1), FuegoCuervo_36 (DE1), Gaea_33 (DE1), Galadriel_34 (DE1), Geodirt_31 (DE1), Gustavo_33 (DE1), JKSyngboy_31 (DE1), Jabberwocky_32 (DE1), Kamashten_33 (DE1), Keitabear_34 (DE1), Kewpiedoll_33 (DE1), Kroos_34 (DE1), Kwobi_35 (DE1), Lennon_34 (DE1), LilHam_31 (DE1), Love_37 (DE1), Maselop_44 (CR6), McCrothy_34 (DE1), McKinley_36 (DE1), MoontowerMania_33 (DE1), Nordenberg_28 (DE1), Paries_36 (DE1), Polyyuki_44 (CR6), Ribeye_34 (DE1), RiverRaider_34 (DE1), Rofo_34 (DE1), Sanjuju_32 (DE1), Saronaya_33 (DE1), SchottB_32 (DE1), Sedona_34 (DE1), Shivanishola_35 (DE1), Sitar_34 (DE1), Stichling_31 (DE1), StorminNorm_33 (DE1), Stultus_32 (DE1), Tangent_34 (DE1), Tangerine_33 (DE1), Thing3_33 (DE1), Tycho_33 (DE1), Vivi2_36 (DE1), YorkOnyx_34 (DE1),

Start 87:

- Found in 31 of 1467 (2.1%) of genes in pham
- Manual Annotations of this start: 26 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arti_40 (CR2), Dalilpop_45 (CR1), Emianna_40 (CR2), Ennea_46 (CR3), Flapper_44 (CR1), Float294_42 (CR3), Foxboro_41 (CR2), Fury_49 (CR5), GRU1_30 (CR1), GTE5_31 (CR1), GTE8_29 (CR2), GrootJr_42 (CR2), HomeFry_46 (CR5), Jifall16_39 (CR2), KidneyBean_40 (CR2), Kurt_40 (CR2), Lollipop1437_45 (CR3), MerCougar_41 (CR2), NatB6_40 (CR2), NovumRegina_40 (CR2), Outis_41 (CR2), Patio_43 (CR3), Phomeo_39 (CR2), Pleakley_49 (CR5), RedRaider_47 (CR3), Scuba_49 (CR5), Skysand_42 (CR3), StarStruck_41 (CR2), Tracker_40 (CR2), Turuncu_44 (CR1), Wheezy_40 (CR2),

Start 89:

- Found in 30 of 1467 (2.0%) of genes in pham
- Manual Annotations of this start: 16 of 1247
- Called 53.3% of time when present
- Phage (with cluster) where this start called: Acquire49_17 (L1), Appletree2_17 (L1), Bonum_43 (CR2), Buggaboo_41 (CR2), Calm_17 (L1), CicholasNage_17 (L1), Commandaria_42 (CR2), JoeDirt_17 (L1), Kabluna_43 (CR2), LeBron_17 (L1), NosilaM_43 (CR2), Rabbitrun_29 (DU2), SuperSulley_41 (CR2), UPIE_17 (L1), Wyatt2_17 (L1), Zaria_17 (L1),

Start 91:

- Found in 39 of 1467 (2.7%) of genes in pham
- Manual Annotations of this start: 34 of 1247
- Called 97.4% of time when present
- Phage (with cluster) where this start called: Arri_33 (DC1), Bakery_31 (DC1), Barb_32 (DC1), CherryCola_33 (DC1), ClamChowder_32 (DC1), Clown_34 (DC2), CoveyB_32 (DC1), Danyall_32 (DC1), Egi03_30 (DC1), Evamon_30 (DC1), Fireball_31 (DC1), Fugax_32 (DC1), Gezellig_30 (DC1), Halo3_31 (DC1), Jambalaya_30 (DC1), JohnPork_30 (DC), KimmyK_32 (DC1), Kumao_27 (singleton), Mutzi_32 (DC1), Nubi_30 (DC1), Phlop_30 (DC1), PinkCoffee_32 (DC1), Portcullis_30 (DC1), PullumCavea_30 (DC1), RogerDodger_33 (DC1), Salvador_30

(DC1), Savbucketdawg_30 (DC1), Sendy_31 (DC), Shinji_30 (DC1), Sixsevenium_31 (DC), SmokingBunny_30 (DC1), TillyBobJoe_30 (DC1), Togo_30 (DC1), Twister6_32 (DC1), Valary_33 (DC1), VanDeWege_33 (DC1), Wizard_30 (DC1), YungMoney_32 (DC1),

Start 92:

- Found in 13 of 1467 (0.9%) of genes in pham
- Manual Annotations of this start: 11 of 1247
- Called 92.3% of time when present
- Phage (with cluster) where this start called: BiPauneto_43 (CR4), Colleen_18 (EO), HubbaBubba_38 (CR4), IDyn_41 (CR4), Marietta_42 (CR4), NadineRae_40 (CR4), Pemberton_44 (CR4), Poushou_18 (EO), Sukkupi_42 (CR4), TouchMeNot_18 (EO), WhoseManz_42 (CR4), Yndexa_42 (CR4),

Start 93:

- Found in 28 of 1467 (1.9%) of genes in pham
- Manual Annotations of this start: 8 of 1247
- Called 35.7% of time when present
- Phage (with cluster) where this start called: Bernal13_18 (T), Frokostdame_18 (CV), Ibrahim_18 (T), Mendokysei_17 (T), Nairb_18 (T), Nette_18 (T), RonRayGun_18 (T), Whitty_18 (T), Wisp_17 (CV), ZenTime222_18 (T),

Start 94:

- Found in 1 of 1467 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Reindeer_25 (M1),

Start 95:

- Found in 4 of 1467 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Arianna_18 (EO),

Start 96:

- Found in 25 of 1467 (1.7%) of genes in pham
- Manual Annotations of this start: 21 of 1247
- Called 96.0% of time when present
- Phage (with cluster) where this start called: Auspice_27 (M1), Aziz_31 (M2), Bongo_27 (M1), Bricole_27 (M1), Diminimus_28 (M1), Dulcita_28 (M1), Estes_32 (M2), FreakyGoo_28 (M1), GardenSalsa_31 (M2), GenevaB15_31 (M2), Glaske16_28 (M1), IPhane7_27 (M1), Izel_28 (M1), KleverKiS_27 (M1), LilhomieP_26 (M1), MrMagoo_31 (M2), Nanosmite_31 (M3), PegLeg_27 (M1), Rey_31 (M2), RoseMarie_27 (M1), Skinny_28 (M1), SlimJimmy_26 (M1), TpuDiCK_28 (M1), TyDawg_27 (M1),

Start 97:

- Found in 10 of 1467 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 30.0% of time when present
- Phage (with cluster) where this start called: MicyPS_16 (EQ), PSonyx_16 (EQ), Taotie_16 (EQ),

Start 98:

- Found in 6 of 1467 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Ronaldo_55 (DP),

Start 99:

- Found in 28 of 1467 (1.9%) of genes in pham
- Manual Annotations of this start: 6 of 1247
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Aleemily_18 (DZ), Cafasso_18 (DZ), Colossa_19 (KA), ModicumRichard_18 (DZ), Morgana_18 (DZ), ObLaDi_18 (DZ), VanLee_19 (KA),

Start 100:

- Found in 8 of 1467 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 1247
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Kudrefre_26 (DU1), LilJank_27 (DU2), Neville_27 (DU2), Octobien14_27 (DU1), Sephiroth_27 (DU1), Syleon_27 (DU1), Trax_27 (DU2),

Start 101:

- Found in 15 of 1467 (1.0%) of genes in pham
- Manual Annotations of this start: 12 of 1247
- Called 93.3% of time when present
- Phage (with cluster) where this start called: Avani_18 (F2), Blarby_19 (F), Che9d_18 (F2), Demsculpinboyz_18 (F2), Fryberger_52 (DP), Guey18_57 (DP), Jabbawokkie_20 (F2), Keelan_50 (DP), SilverChicken_18 (F2), Soul22_18 (F2), Volt_54 (DP), Yoshi_18 (F2), Zapner_19 (F2), Ziko_55 (DP),

Start 103:

- Found in 129 of 1467 (8.8%) of genes in pham
- Manual Annotations of this start: 86 of 1247
- Called 85.3% of time when present
- Phage (with cluster) where this start called: Aegeus_17 (L5), Archie_17 (L2), AvadaKedavra_17 (L1), Baoshan_16 (L2), Baudelaire_17 (L5), Bazzle_17 (L2), Beelzebub_53 (S), Bellis_18 (L3), BigCheese_17 (L2), Blackbeetle_49 (S), BobsGarage_17 (L2), BourbonZero_17 (L3), BrainDrainer_18 (L4), Breezona_17 (L2), Bromden_18 (L4), Caprice_46 (S), Chaser_17 (L4), Clarkson_50 (S), Claus_17 (L2), Clautastrophe_18 (L3), Corazon_47 (S), Crossroads_17 (L2), DHan_17 (L2), DanBing_16 (L2), DirkDirk_17 (L1), Douge_17 (L4), Douzhi_17 (L4), DrSeegs_17 (L2), DuncansLeg_18 (L3), DyoEdafos_18 (L4), Ellson_18 (L3), Enceladus_17 (L1), Faith1_17 (L2), FarmResident_17 (L4), FeliMaine_51 (S), Finemlucis_17 (L2), Finnry_18 (L3), Gabriela_17 (L2), Gardann_17 (L2), Gattaca_48 (S), GoongGoong_48 (S), GuuelaD_17 (L2), Hafay_17 (L2), Halena_17 (L1), Huphlepuuff_51 (S), Itos_17 (L2), Jobypre_18 (L3), JoieB_50 (S), Jubie_18 (L3), Kahlid_17 (L2), Kingsolomon_18 (L3), KirDoubleO7_16 (L3), Kropertea_17 (L4), Krypton555_18 (L3), Lewan_17 (L2), LilDestine_17 (L2), Lilbit_48 (S), LittleLaf_49 (S), LiyuLake_18 (L3), Loadrie_17 (L2), Lolly9_18 (L3), Lumos_18 (L3), Lynnae_17 (L2), MAckerman_17 (L1), Marvin_47 (S), Miley16_17 (L2), MiniLon_18 (L3), MiniMac_18 (L3), MkaliMitinis3_17 (L2), Moostard_18 (L3), MosMoris_47 (S), MsGreen_18 (L3), Netyap_17 (L2), Nicholas_18 (L3), Nicholasp3_17 (L2),

OhShagHennessy_17 (L1), OverPar_17 (L2), PP_36 (A7), PYPDinur_17 (L4), Poise_49 (S), Poochiewood_17 (L1), Pringar_49 (S), Quby_17 (L4), Raela_49 (S), Red305_18 (L3), RedRaider77_49 (S), Rose5_17 (L1), Rossetti_17 (L2), Rumpelstiltskin_17 (L2), Samty_18 (L3), Sarshaun_17 (L2), Silverleaf_17 (L1), Snenia_18 (L3), SoJulia_17 (L2), Soap141_17 (L2), Sunhee_25 (A14), Tesla_48 (S), Tourach_17 (L2), TriFive_18 (L3), Tyson_17 (L1), Underpass_17 (L2), VasuNzinga_49 (S), Vetrix_17 (L2), Wamburggrxpress_17 (L1), Whirlwind_19 (L3), Wigglewiggle_17 (L2), Wilder_17 (L2), Winky_17 (L2), Zakai_17 (L2), ZhongYanYuan_16 (L2),

Start 105:

- Found in 8 of 1467 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 25.0% of time when present
- Phage (with cluster) where this start called: LoneWolf_28 (A9), REQ2_19 (singleton),

Start 106:

- Found in 295 of 1467 (20.1%) of genes in pham
- Manual Annotations of this start: 240 of 1247
- Called 99.0% of time when present
- Phage (with cluster) where this start called: 20ES_27 (A2), 40AC_30 (A17), AN3_27 (A2), AN9_30 (A2), ANI8_30 (A2), AbbyPaige_29 (A2), Acolyte_27 (A2), Adzzy_28 (A2), Agape74_29 (A2), Aliter_28 (A9), Alma_28 (A9), Aneem_27 (A11), AnnaL29_30 (A2), Anselm_27 (A2), Anthony_26 (A20), ArcherNM_29 (A2), Arissanae_26 (A9), Artemis2UCLA_30 (A6), Ayanochan_29 (A9), BABullseye_30 (A6), BBQValindra_18 (DB), BabyBack_29 (A2), Bachome_27 (A11), BackstagePass_18 (DB), Bactobuster_28 (A2), Baehexic_28 (A2), Beemo_28 (A9), Bellris_25 (A9), BengiVuitton_28 (A2), BennyP_30 (A6), Benvolio_27 (A2), BiancaTri92_29 (A2), BlessJoy_30 (A6), Blinn1_30 (A6), Blue7_30 (A6), BobSwaget_30 (A2), BogosyJay_28 (A9), Bowser_18 (DB), Bowtie_27 (A11), Bradman_26 (A2), Bud_27 (A11), Buggy_29 (A2), Bunker_18 (DB), C3_25 (A2), CRB1_27 (A2), Candra_30 (A6), Caraxes_26 (A2), Catalina_28 (A9), Celestialunch_27 (A9), Centaur_29 (A2), Changeling_29 (A2), Chargerpower_27 (A22), Charm_27 (A9), Chartreuse_30 (A6), Che12_29 (A2), ChipMunk_29 (A2), Chipko_18 (DB), CloudWang3_30 (A6), CogOmlette_25 (A9), Colin_31 (A2), Conquerage_28 (A9), Cookiedough_30 (A6), Coriander_18 (DB), Crucio_27 (A2), D29_27 (A2), D32_30 (A2), DBQu4n_30 (A2), DaVinci_30 (A6), Dalmatian_27 (A2), Darrell_29 (A9), DARTHPhader_28 (A12), DeerParkTS_28 (A2), Deloris_28 (A2), DelvinSonDorr_29 (A6), Dignity_29 (A2), DirtyBoi_19 (DB), Dmitri_18 (DB), Doggs_17 (DB), Dorothea_30 (A6), Drake55_29 (A2), DreamTeam1_27 (A9), DudeLittle_27 (A2), Duplo_30 (A2), EZMoney23_31 (A2), EagleEye_29 (A16), Ebony_27 (A11), Echild_27 (A2), EdogawaKiddo_26 (A9), Eidsmoe_28 (A9), Elephantoon_28 (A9), EmyBug_28 (A9), Equemioh13_29 (A2), EricB_30 (A6), Et2Brutus_26 (A11), EvilGenius_29 (A2), ExplosioNervosa_28 (A9), Eyes_18 (DB), Fameo_27 (A2), FatCactus_25 (A20), Fayely_28 (A9), Fibonacci_27 (A11), FiringLine_27 (A2), First_0027 (A2), Flare16_27 (A2), Flaverint_27 (A11), ForesterFrank_28 (A2), Gail_26 (A14), Garak_31 (A6), GaugeLDP_29 (A2), Georgie2_28 (A2), Gilberta_27 (A11), Gladiator_30 (A6), Gratitude_28 (A2), GreedyLawyer_30 (A6), Gruunaga_30 (A6), Hammer_30 (A6), HannahD_18 (DB), Hanray_27 (A9), HarryHoudini_29 (A2), Hedwig_19 (DB), Heffalump_29 (A2), Helmet_30 (A6), Herbertwm_24 (A2), Hexamo_30 (A6), HippoHollow_28 (A2), Horex_27 (A9), Hoot_30 (A6), HortumSL17_28 (A9), Hutc2_27 (A11), Indra_30 (A6), Insomnia_27 (A11), IronMan_29 (A2), Isiphiwo_30 (A6), Iwokeuplikedis_28 (A2),

Jaan_30 (A2), Jabith_27 (A11), Jecs_19 (DB), Jeeves_26 (A14), Jeffabunny_30 (A6),
 Jerm_29 (A2), JewelBug_30 (A6), Jiawan_27 (A9), Jordennis_30 (A6), Joselito_27
 (A11), JoshKayV_29 (A2), Journey13_25 (A2), Jsquared_26 (A2), Kalpine_30 (A2),
 Kazan_30 (A6), Kerberos_30 (A2), Keziacharles14_26 (A9), Kiko_19 (DB), Kimba_27
 (A11), KingCyrus_29 (A2), Kinmap_27 (A21), Kipper29_30 (A6), Klodlith_27 (A9),
 Koduck_28 (A2), Koko_30 (A6), L5_27 (A2), LadyBird_27 (A2), Landor_28 (A2),
 Larenn_28 (A2), Leogania_29 (A2), Leviathan_29 (A2), LilTurb_29 (A2), Lilbunny_30
 (A6), Lilleskat_26 (A9), LionsBait_28 (A2), Lokk_30 (A2), Loser_30 (A2),
 Luchador_28 (A14), Lucivia_27 (A11), Lucyedi_28 (A16), MaCh_27 (A11), Mabel_27
 (A11), MagicMan_18 (DB), MajorMajor_26 (A2), Malec_28 (A2), Maminaiaina_28 (A9),
 McFly_30 (A6), MegTheThird_26 (A9), MiculUcigas_27 (A2), Miko_30 (A2),
 Minispark_25 (A9), MissWhite_27 (A2), Moonflower_18 (DB), Mulciber_27 (A11),
 Munch_27 (A11), Myxus_28 (A9), NaLuna_18 (DB), NaSiaTalie_27 (A2), Naji_30
 (A2), Neeharika16_30 (A6), Newrala_30 (A6), NicoleTera_31 (A2),
 NothingSpecial_29 (A2), Odin_26 (A2), Onglai_27 (A9), Opie_18 (DB), Orange_27
 (A11), PackMan_28 (A9), PainterBoy_28 (A16), PatriciaStar_17 (DB),
 Petersenfast_26 (A11), Ph8s_28 (A2), Phaded_30 (A2), Phaeder_28 (A9),
 Pharaoh_27 (A12), Phlei_22 (A13), Phonnegut_28 (A9), Pioneer_28 (A9), Piro94_28
 (A2), Pmask_30 (A6), Polyphemus_30 (A6), Pomar16_30 (A2), Power_27 (A2),
 Priamo_30 (A6), Priya_28 (A9), Prudy_29 (A2), Pukovnik_29 (A2), Qobbit_28 (A9),
 QueenB2_27 (A2), QueenBeesly_27 (A2), Quokka_25 (A2), Rachaly_30 (A2),
 Rahalelujah_26 (A9), RayTheFireFly_18 (DB), RedRock_30 (A2), Refuge_30 (A12),
 Retro23_27 (A2), Rifter_30 (A6), Roksolana_30 (A6), RyeScarlet_29 (A9),
 Sachima_26 (A9), Salz_27 (A11), Saskia_26 (A11), Scherzo_28 (A9), SemperFi_29
 (A2), Serenity_26 (A2), Sham4_27 (A11), SheaKeira_27 (A9), Sknot_27 (A2),
 Smeagan_29 (A2), SmellyB_30 (A6), SnapTap_27 (A2), Snape_27 (A11),
 SororFago_26 (A14), Spouty_28 (A9), StarStuff_30 (A2), Steamy_28 (A12),
 SuperAwesome_30 (A6), SuperCallie99_30 (A6), Superchunk_26 (A2),
 SweetiePie_27 (A2), SwirlSquare_28 (A2), TaronosaurusRx_18 (DB), TarsusIV_27
 (A2), Temprado_30 (A6), Terrific_31 (A2), Timothy_27 (A11), TinyTimmy_27 (A11),
 TipsytheTRex_26 (A2), Toaka_26 (A9), Tomathan_30 (A2), ToneTone_28 (A6),
 Travvers_30 (A2), Tristan_28 (A2), Trixie_30 (A2), Trooper_27 (A2), Tubs_28 (A9),
 Tucker_30 (A6), Turbido_29 (A2), Ugenie5_25 (A9), Updawg_29 (A2), VA6_27 (A2),
 VC3_30 (A2), Vanisoa_26 (A9), VohminGhazi_30 (A6), WeiHuaDA_33 (A2),
 Whabigail7_29 (A2), WideWale_29 (A2), Wiks_30 (A6), Wolpertinger_26 (A11),
 WorldCup_25 (A9), WunderPhul_30 (A6), XianYue_27 (A2), Yecey3_27 (A9),
 Yokurt_30 (A6), Zaka_30 (A6), Zimmer_29 (A12), Zulu_30 (A6),

Start 109:

- Found in 37 of 1467 (2.5%) of genes in pham
- Manual Annotations of this start: 16 of 1247
- Called 54.1% of time when present
- Phage (with cluster) where this start called: Applejacks_17 (CD), DearBasketball_20 (DY), DinoNuggs_18 (DY), DonkeyMan_17 (DY), Gustav_17 (CD), Heinz_17 (DY), Hibiscus_17 (DY), Jojo24_17 (DY), Mahdia_17 (CD), Malibo_19 (DW), Morrissey_18 (CD), Nedarya_28 (A15), Puppies_17 (CD), REQ3_49 (singleton), Reyja_18 (DY), Santhid_17 (DY), Tarzan_17 (DY), Trine_17 (CD), Upyo_17 (CD), Widow_17 (CD),

Start 110:

- Found in 167 of 1467 (11.4%) of genes in pham
- Manual Annotations of this start: 84 of 1247
- Called 64.7% of time when present

- Phage (with cluster) where this start called: Agatha_17 (CT), AikoCarson_16 (CT), Amok_16 (CT), Anaysia_29 (A15), AndPeggy_16 (CT), Anon_27 (A15), Apricot_18 (DN3), Axym_17 (CT), Azira_19 (CT), Balloona_16 (CT), Battleship_30 (A15), Bavidard_17 (CT), BigChungus_16 (CT), BillDoor_19 (CT), Biskit_18 (CT), Blondies_18 (CT), Boohoo_29 (A15), Bubble_17 (CT), Burnsey_17 (CT), Button_18 (CT), Buttrmlkdreams_17 (CT), CanesSauce_17 (CT), CaramelLatte_17 (CT), Carsonalex_18 (CT), CherryonLim_18 (CT), ChickenTender_19 (CT), ChocoMunchkin_17 (CT), Cleo_17 (CT), CocoaPuff_16 (CT), Cozz_17 (CT), Crater_17 (DN3), DekHockey33_29 (A15), Dre3_17 (CT), ElJefes_16 (CT), Elinal_18 (CT), Elliott_17 (CT), Elle_27 (A15), Emalyn_16 (CT), Epsocamisio_29 (A15), Feastonyeet_16 (CT), Fribs8_18 (CT), GiKK_20 (CT), Gibbous_17 (CT), GoldHunter_18 (CT), Hexbug_19 (CT), HippoPololi_19 (CT), Horseradish_18 (CT), JSwag_29 (A15), Jamzy_20 (CT), KatherineG_29 (A15), KayGee_17 (CT), LastResort_29 (A15), Lauer_16 (CT), Looper_30 (A15), MAnor_17 (CT), MScarn_19 (CT), MaVan_19 (CT), Malvina_19 (CT), Margaret_20 (CT), Mayweather_18 (CT), McDazzle_16 (CT), MinecraftSteve_30 (A15), MunkgeeRoachy_17 (CT), Nebulosus_29 (A15), Nibbles_19 (CT), Nina_18 (CT), Nodigi_19 (CT), Oofda_29 (A15), Orla_19 (CT), Pons_17 (CT), PotPie_17 (CT), PsychoKiller_17 (CT), Quasar_17 (CT), RADical_18 (CT), RSchmailzl_18 (CT), RanchParmCat_20 (CT), Ravana_30 (A15), ReMo_29 (A15), RedBaron_18 (CT), Remus_29 (A15), Rosalind_29 (A15), ShayRa_30 (A15), SheckWes_16 (CT), SketchMex_16 (CT), Socotra_18 (CT), Sopespian_17 (CT), Soups_29 (A15), Starburst_18 (CT), SteamedHams_19 (CT), Strosahl_29 (A15), SummitAcademy_16 (CT), Survivors_19 (CT), SweatNTears_19 (CT), Switzerland_29 (A15), Tarnish_17 (CT), Tolls_19 (CT), Troje_17 (CT), Typhonmarchy_17 (CT), Vine_18 (CT), Waits_29 (A15), Wallaby_21 (CT), Warrior24_29 (A15), Wolfwood_21 (CT), Yakult_18 (CT), Yarn_16 (CT), Yucky_17 (CT), Yummy_18 (CT), Zareef_19 (CT),

Start 112:

- Found in 34 of 1467 (2.3%) of genes in pham
- Manual Annotations of this start: 15 of 1247
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Asapag_19 (DN1), BENtherdunthat_19 (DN1), BotCity_19 (DN), Budski_19 (DN), Frickyeh_19 (DN1), Getalong_20 (DN1), Horus_19 (DN1), Kamaru_19 (DN1), Kenna_18 (DN1), Leroy_19 (DN1), LitninMcQueen_19 (DN1), Periwinkle_21 (DN1), Phistory_20 (DN1), ShawBrad_19 (DN1), Spooky_19 (DN2), Squiddly_21 (DN2), Whitney_20 (DN1),

Start 114:

- Found in 97 of 1467 (6.6%) of genes in pham
- Manual Annotations of this start: 85 of 1247
- Called 95.9% of time when present
- Phage (with cluster) where this start called: AgentM_23 (A5), Airmid_23 (A5), Alatin_22 (CA), Alpacados_21 (CA), AngryOrchard_21 (CA), AppleCloud_20 (CA), Aragog_23 (A5), Archetta_23 (A5), Astro_23 (A8), Belenaria_22 (CA), Benedict_23 (A5), Bluefalcon_22 (A5), BobbyDazzler_22 (CA), Bonamassa_23 (A5), Bonanza_22 (CA), Bradshaw_22 (CA), Bryce_22 (CA), Caitlin_22 (A8), Chadwick_24 (A5), Conspiracy_23 (A5), Coog_23 (A5), CosmicSans_22 (CA), Cuco_23 (A5), Danforth_22 (A8), Dinger_22 (CA), Discoknowium_23 (A5), Dixon_23 (A8), Dublin_22 (A5), ElTiger69_23 (A5), Erik_22 (CA), Espica_22 (CA), Expelliarmus_22 (A8), Florence1_23 (A5), Florence4_24 (A5), ForGetIt_23 (A5), George_22 (A5), Ghouboy_23 (A5), Gollum_22 (CA), Groundhog_22 (A8), Harlequin_22 (CA), Hiro_22 (CA), HuhtaEnerson15_23 (A5), Jabiru_23 (A5), Jester_22 (CA), Jovo_23

(A5), Krishelle_22 (CA), Lev2_23 (A5), Lillie_22 (CA), LittleCherry_23 (A5), MarysWell_22 (A5), Micasa_23 (A5), Midas2_23 (A5), Milcery_23 (A5), Naca_23 (A5), Naiad_22 (CA), Nancinator_22 (CA), Natosaleta_22 (CA), NearlyHeadless_23 (A8), Partridge_22 (CA), PetterN_24 (A5), PhailMary_21 (CA), Phillis_23 (A8), Phlorence_23 (A5), Phrankenstien_22 (CA), PickleBack_23 (A5), Prinasse11_24 (A5), RER2_15 (CA), RGL3_15 (CA), Rasputin_22 (CA), RexFury_22 (CA), Rhodalysa_22 (CA), Roary_23 (A8), Saintus_23 (A8), Scorpia_24 (A5), Shuman_22 (CA), Smeadley_23 (A8), StCroix_22 (CA), Stephig9_23 (A8), Swann_22 (CA), Swirley_23 (A5), SydNat_23 (A5), TWAMP_22 (CA), Tailonex_23 (singleton), Takoda_22 (CA), Tarynearal_22 (A5), Theia_21 (A5), Tiger_23 (A5), Twigg_23 (A5), UhSalsa_22 (CA), UnionJack_23 (A5), Yogi_22 (CA), Yoncess_22 (CA), Zolita_22 (A5),

Start 115:

- Found in 34 of 1467 (2.3%) of genes in pham
- Manual Annotations of this start: 6 of 1247
- Called 17.6% of time when present
- Phage (with cluster) where this start called: Catfish_21 (CU5), Dardanus_23 (CU3), DinoDaryn_23 (CU1), Goib_22 (CU1), Huffy_23 (CU1), TZGordon_23 (CU1),

Start 117:

- Found in 39 of 1467 (2.7%) of genes in pham
- Manual Annotations of this start: 6 of 1247
- Called 15.4% of time when present
- Phage (with cluster) where this start called: CheeseTouch_19 (DN1), GEazy_18 (DB), Holliday_19 (DN1), Lutum_19 (DN1), Malisha_20 (DN), Phabuloso_19 (DN1),

Start 118:

- Found in 20 of 1467 (1.4%) of genes in pham
- Manual Annotations of this start: 5 of 1247
- Called 30.0% of time when present
- Phage (with cluster) where this start called: Banquo_25 (CU1), Gsput1_19 (CU2), Schmidt_19 (CU4), Splinter_21 (CU1), TinaLin_24 (CU1), Vendetta_21 (CU1),

Start 122:

- Found in 100 of 1467 (6.8%) of genes in pham
- Manual Annotations of this start: 2 of 1247
- Called 2.0% of time when present
- Phage (with cluster) where this start called: Gagieri_44 (CR6), MacGully_49 (CR7),

Start 143:

- Found in 76 of 1467 (5.2%) of genes in pham
- No Manual Annotations of this start.
- Called 1.3% of time when present
- Phage (with cluster) where this start called: GTE2_15 (CT),

Start 145:

- Found in 23 of 1467 (1.6%) of genes in pham
- No Manual Annotations of this start.
- Called 4.3% of time when present
- Phage (with cluster) where this start called: ChutneyChips_16 (L4),

Start 151:

- Found in 34 of 1467 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Schnabeltier_18 (DB), ZAYM_18 (DB),

Start 155:

- Found in 125 of 1467 (8.5%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Sheng711_17 (L4),

Start 162:

- Found in 173 of 1467 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Stellammi_15 (UNK),

Start 211:

- Found in 161 of 1467 (11.0%) of genes in pham
- Manual Annotations of this start: 1 of 1247
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Whack_17 (singleton),

Summary by clusters:

There are 101 clusters represented in this pham: Z, BU, G5, G4, G3, G2, G1, CQ2, CQ1, KA, T, X, DC2, DC1, M1, M3, M2, EO, EN, G, S, EQ, CR2, CR3, CR1, CR6, CR7, CR4, CR5, DE1, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, CU5, CU4, CU3, CU2, CU1, A22, DN1, DN3, DN2, DU1, DU2, F, CA, CD, UNK, CV, CT, A20, A21, F2, DN, DL, DK, DI, DD, DB, DC, DA, DZ, DY, DW, DT, DS, DP, A15, A14, A17, A16, A11, A13, A12, A2, A5, A7, A6, A9, A8, AB, AG, AF, AH, Q, L4, L5, L2, L3, L1, Y,

Info for manual annotations of cluster A11:

- Start number 106 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 106 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 106 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 109 was manually annotated 1 time for cluster A15.
- Start number 110 was manually annotated 22 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 106 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A2:

- Start number 106 was manually annotated 106 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 106 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 106 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A5:

- Start number 114 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 106 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 103 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 114 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 105 was manually annotated 1 time for cluster A9.
- Start number 106 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 34 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AF:

- Start number 78 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 44 was manually annotated 1 time for cluster AG.
- Start number 50 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AH:

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

Info for manual annotations of cluster BU:

- Start number 79 was manually annotated 1 time for cluster BU.
- Start number 83 was manually annotated 44 times for cluster BU.

Info for manual annotations of cluster CA:

- Start number 114 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 109 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 70 was manually annotated 4 times for cluster CQ1.
- Start number 76 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 73 was manually annotated 1 time for cluster CQ2.

- Start number 76 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 87 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 87 was manually annotated 15 times for cluster CR2.
- Start number 89 was manually annotated 6 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 87 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 92 was manually annotated 8 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 87 was manually annotated 2 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 85 was manually annotated 5 times for cluster CR6.
- Start number 122 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 122 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 110 was manually annotated 60 times for cluster CT.

Info for manual annotations of cluster CU1:

- Start number 115 was manually annotated 4 times for cluster CU1.
- Start number 118 was manually annotated 4 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 115 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 118 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 115 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 67 was manually annotated 6 times for cluster CV.
- Start number 70 was manually annotated 14 times for cluster CV.
- Start number 73 was manually annotated 22 times for cluster CV.
- Start number 93 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster DA:

- Start number 72 was manually annotated 1 time for cluster DA.
- Start number 73 was manually annotated 2 times for cluster DA.
- Start number 76 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DB:

- Start number 106 was manually annotated 15 times for cluster DB.
- Start number 117 was manually annotated 1 time for cluster DB.
- Start number 151 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 91 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 91 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DD:

- Start number 65 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE1:

- Start number 85 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 72 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 72 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 72 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 64 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DI:

- Start number 60 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 66 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 70 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 112 was manually annotated 2 times for cluster DN.
- Start number 117 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 112 was manually annotated 11 times for cluster DN1.
- Start number 117 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 112 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 110 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DP:

- Start number 98 was manually annotated 1 time for cluster DP.
- Start number 101 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster DS:

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

Info for manual annotations of cluster DT:

- Start number 70 was manually annotated 1 time for cluster DT.
- Start number 73 was manually annotated 4 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 100 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 89 was manually annotated 1 time for cluster DU2.
- Start number 100 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 57 was manually annotated 1 time for cluster DW.
- Start number 60 was manually annotated 3 times for cluster DW.
- Start number 109 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 109 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 99 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster EN:

- Start number 72 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EO:

- Start number 92 was manually annotated 3 times for cluster EO.
- Start number 95 was manually annotated 1 time for cluster EO.

Info for manual annotations of cluster EQ:

- Start number 97 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster F2:

- Start number 101 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster G1:

- Start number 31 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 25 was manually annotated 1 time for cluster G2.
- Start number 32 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 31 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 31 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 31 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster K1:

- Start number 31 was manually annotated 108 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 33 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 31 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 31 was manually annotated 22 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 37 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 31 was manually annotated 24 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 30 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 29 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster KA:

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

Info for manual annotations of cluster L1:

- Start number 89 was manually annotated 9 times for cluster L1.
- Start number 103 was manually annotated 10 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 103 was manually annotated 31 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 103 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 103 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 103 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 94 was manually annotated 1 time for cluster M1.
- Start number 96 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 96 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 96 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster Q:

- Start number 56 was manually annotated 23 times for cluster Q.

Info for manual annotations of cluster S:

- Start number 103 was manually annotated 19 times for cluster S.

Info for manual annotations of cluster T:

- Start number 93 was manually annotated 7 times for cluster T.

Info for manual annotations of cluster X:

- Start number 44 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:

- Start number 50 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 52 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 20ES_27 Start: 19219, Stop: 20229, Start Num: 106

Candidate Starts for 20ES_27:

(Start: 106 @19219 has 240 MA's), (147, 19273), (173, 19312), (270, 19528), (311, 19594), (329, 19633), (331, 19636), (455, 19864), (473, 19897), (521, 19999), (531, 20020), (554, 20074), (558, 20086), (600, 20176),

Gene: 32HC_25 Start: 17876, Stop: 18982, Start Num: 52

Candidate Starts for 32HC_25:

(11, 17579), (48, 17867), (Start: 52 @17876 has 1 MA's), (71, 17915), (113, 17960), (217, 18167), (269, 18287), (330, 18401), (358, 18461), (478, 18668), (607, 18968),

Gene: 40AC_30 Start: 21412, Stop: 22422, Start Num: 106

Candidate Starts for 40AC_30:

(Start: 106 @21412 has 240 MA's), (161, 21487), (173, 21505), (188, 21541), (199, 21580), (287, 21757), (311, 21787), (329, 21826), (331, 21829), (415, 21985), (521, 22192), (554, 22267), (558, 22279), (600, 22369),

Gene: 8UZL_20 Start: 14891, Stop: 16003, Start Num: 34

Candidate Starts for 8UZL_20:

(Start: 34 @14891 has 4 MA's), (42, 14939), (116, 15047), (121, 15056), (163, 15125), (172, 15137), (179, 15152), (236, 15299), (295, 15407), (333, 15482), (336, 15491), (353, 15527), (404, 15596), (433, 15638), (476, 15683), (480, 15692), (508, 15749), (552, 15854), (599, 15965),

Gene: AN3_27 Start: 19197, Stop: 20207, Start Num: 106

Candidate Starts for AN3_27:

(Start: 106 @19197 has 240 MA's), (147, 19251), (173, 19290), (199, 19365), (270, 19506), (311, 19572), (329, 19611), (331, 19614), (455, 19842), (511, 19962), (521, 19977), (554, 20052), (558, 20064), (568, 20088), (600, 20154),

Gene: AN9_30 Start: 19185, Stop: 20195, Start Num: 106

Candidate Starts for AN9_30:

(Start: 106 @19185 has 240 MA's), (147, 19239), (161, 19260), (173, 19278), (247, 19449), (311, 19560), (329, 19599), (331, 19602), (353, 19647), (401, 19737), (511, 19950), (521, 19965), (554, 20040), (558, 20052), (568, 20076), (600, 20142),

Gene: ANI8_30 Start: 19185, Stop: 20195, Start Num: 106

Candidate Starts for ANI8_30:

(Start: 106 @19185 has 240 MA's), (147, 19239), (161, 19260), (173, 19278), (247, 19449), (311, 19560), (329, 19599), (331, 19602), (353, 19647), (401, 19737), (511, 19950), (521, 19965), (554, 20040), (558, 20052), (568, 20076), (600, 20142),

Gene: APunk_35 Start: 29234, Stop: 30211, Start Num: 72

Candidate Starts for APunk_35:

(Start: 72 @29234 has 35 MA's), (161, 29357), (180, 29393), (216, 29495), (254, 29549), (287, 29621), (328, 29684), (332, 29693), (359, 29750), (379, 29783), (405, 29816), (407, 29819), (485, 29936), (502, 29972), (514, 30005), (520, 30014), (532, 30035), (543, 30062), (554, 30092), (556, 30098), (569, 30131), (570, 30134), (594, 30188), (600, 30200),

Gene: ATCC29399BC_15 Start: 11283, Stop: 12224, Start Num: 83

Candidate Starts for ATCC29399BC_15:

(74, 11268), (Start: 79 @11274 has 1 MA's), (81, 11277), (Start: 83 @11283 has 44 MA's), (Start: 110 @11316 has 84 MA's), (Start: 115 @11322 has 6 MA's), (126, 11334), (149, 11361), (154, 11370), (166, 11400), (168, 11403), (170, 11406), (174, 11418), (177, 11427), (182, 11442), (194, 11472), (206, 11502), (Start: 211 @11517 has 1 MA's), (215, 11532), (216, 11535), (242, 11583), (249, 11601), (267, 11637), (270, 11643), (280, 11670), (282, 11673), (294, 11694), (315, 11712), (319, 11721), (329, 11745), (335, 11754), (367, 11817), (375, 11829), (406, 11871), (408, 11874), (410, 11877), (447, 11943), (458, 11964), (479, 11979), (489, 11994), (492, 12000), (521, 12072), (522, 12075), (531, 12093), (532, 12096), (536, 12105), (554, 12153), (558, 12165), (561, 12174), (565, 12183), (567, 12189), (569, 12195), (574, 12210),

Gene: ATCC29399BT_15 Start: 11281, Stop: 12228, Start Num: 83

Candidate Starts for ATCC29399BT_15:

(Start: 79 @11272 has 1 MA's), (Start: 83 @11281 has 44 MA's), (Start: 110 @11314 has 84 MA's), (Start: 115 @11320 has 6 MA's), (126, 11332), (135, 11341), (154, 11374), (166, 11404), (168, 11407), (170, 11410), (174, 11422), (179, 11437), (182, 11446), (194, 11476), (206, 11506), (Start: 211 @11521 has 1 MA's), (214, 11533), (215, 11536), (216, 11539), (249, 11605), (267, 11641), (270, 11647), (280, 11674), (282, 11677), (319, 11725), (329, 11749), (335, 11758), (375, 11833), (408, 11878), (410, 11881), (413, 11884), (447, 11947), (458, 11968), (479, 11983), (489, 11998), (492, 12004), (521, 12076), (522, 12079), (531, 12097), (532, 12100), (554, 12157), (558, 12169), (561, 12178), (567, 12193), (569, 12199), (574, 12214),

Gene: Abblin_34 Start: 29777, Stop: 30754, Start Num: 72

Candidate Starts for Abblin_34:

(Start: 72 @29777 has 35 MA's), (135, 29852), (144, 29864), (161, 29900), (180, 29936), (216, 30038), (254, 30092), (287, 30164), (328, 30227), (332, 30236), (359, 30293), (379, 30326), (405, 30359), (407, 30362), (445, 30419), (502, 30515), (514, 30548), (520, 30557), (532, 30578), (543, 30605),

(550, 30626), (554, 30635), (556, 30641), (569, 30674), (570, 30677), (594, 30731), (600, 30743),

Gene: AbbyPaige_29 Start: 19684, Stop: 20700, Start Num: 106

Candidate Starts for AbbyPaige_29:

(Start: 106 @19684 has 240 MA's), (161, 19759), (173, 19777), (188, 19813), (199, 19852), (311, 20059), (329, 20098), (331, 20101), (377, 20188), (473, 20368), (521, 20470), (554, 20545), (558, 20557),

Gene: Abscondus_46 Start: 28440, Stop: 29321, Start Num: 76

Candidate Starts for Abscondus_46:

(Start: 70 @28434 has 25 MA's), (Start: 76 @28440 has 13 MA's), (119, 28488), (140, 28515), (179, 28587), (214, 28683), (279, 28791), (333, 28884), (343, 28908), (350, 28923), (433, 29019), (476, 29067), (558, 29247), (571, 29283),

Gene: Acolyte_27 Start: 19734, Stop: 20744, Start Num: 106

Candidate Starts for Acolyte_27:

(Start: 106 @19734 has 240 MA's), (173, 19827), (188, 19863), (199, 19902), (311, 20109), (329, 20148), (331, 20151), (353, 20196), (401, 20286), (455, 20379), (521, 20514), (554, 20589), (558, 20601), (568, 20625), (600, 20691),

Gene: Acquire49_17 Start: 15847, Stop: 16746, Start Num: 89

Candidate Starts for Acquire49_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: ActinUp_22 Start: 16020, Stop: 17156, Start Num: 31

Candidate Starts for ActinUp_22:

(Start: 31 @16020 has 231 MA's), (Start: 67 @16137 has 6 MA's), (140, 16227), (154, 16248), (162, 16269), (178, 16296), (293, 16551), (334, 16632), (372, 16707), (390, 16722), (476, 16833), (500, 16875), (539, 16968), (547, 16992), (584, 17085), (601, 17124), (608, 17142),

Gene: Adephagia_22 Start: 16017, Stop: 17153, Start Num: 31

Candidate Starts for Adephagia_22:

(Start: 31 @16017 has 231 MA's), (Start: 67 @16134 has 6 MA's), (140, 16224), (154, 16245), (162, 16266), (178, 16293), (293, 16548), (334, 16629), (372, 16704), (390, 16719), (476, 16830), (500, 16872), (539, 16965), (547, 16989), (584, 17082), (601, 17121), (608, 17139),

Gene: Adonis_22 Start: 16023, Stop: 17159, Start Num: 31

Candidate Starts for Adonis_22:

(Start: 31 @16023 has 231 MA's), (Start: 67 @16140 has 6 MA's), (140, 16230), (154, 16251), (162, 16272), (178, 16299), (293, 16554), (334, 16635), (372, 16710), (390, 16725), (476, 16836), (500, 16878), (539, 16971), (547, 16995), (584, 17088), (601, 17127), (608, 17145),

Gene: Adzzy_28 Start: 17912, Stop: 18922, Start Num: 106

Candidate Starts for Adzzy_28:

(Start: 106 @17912 has 240 MA's), (161, 17987), (173, 18005), (188, 18041), (311, 18287), (329, 18326), (331, 18329), (401, 18464), (455, 18557), (473, 18590), (531, 18713), (544, 18743), (558, 18779), (568, 18803),

Gene: Aegeus_17 Start: 15428, Stop: 16309, Start Num: 103

Candidate Starts for Aegeus_17:

(Start: 76 @15389 has 13 MA's), (Start: 84 @15404 has 6 MA's), (Start: 103 @15428 has 86 MA's), (125, 15452), (155, 15497), (161, 15512), (174, 15530), (206, 15608), (287, 15761), (292, 15770), (331, 15833), (411, 15944), (425, 15950), (429, 15956), (455, 15992), (486, 16019), (497, 16043), (503, 16061), (505, 16070), (506, 16073), (527, 16112), (538, 16139), (558, 16187), (569, 16208), (614, 16298),

Gene: Affeca_32 Start: 29693, Stop: 30649, Start Num: 85

Candidate Starts for Affeca_32:

(Start: 85 @29693 has 58 MA's), (194, 29879), (197, 29891), (209, 29918), (319, 30089), (336, 30125), (352, 30158), (360, 30173), (367, 30185), (392, 30215), (396, 30221), (438, 30281), (500, 30371), (541, 30461), (552, 30485), (556, 30497), (584, 30563), (591, 30578), (602, 30602), (606, 30614),

Gene: Agape74_29 Start: 19660, Stop: 20676, Start Num: 106

Candidate Starts for Agape74_29:

(Start: 106 @19660 has 240 MA's), (161, 19735), (173, 19753), (188, 19789), (199, 19828), (311, 20035), (329, 20074), (331, 20077), (377, 20164), (473, 20344), (521, 20446), (554, 20521), (558, 20533),

Gene: Agatha_17 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Agatha_17:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (539, 15535), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Agent47_20 Start: 16419, Stop: 17549, Start Num: 37

Candidate Starts for Agent47_20:

(Start: 37 @16419 has 23 MA's), (121, 16593), (161, 16659), (162, 16662), (178, 16689), (214, 16788), (261, 16890), (293, 16944), (311, 16974), (328, 17010), (329, 17013), (333, 17022), (370, 17097), (372, 17100), (404, 17136), (433, 17178), (461, 17196), (465, 17202), (476, 17226), (477, 17229), (500, 17268), (584, 17478), (601, 17517), (608, 17535),

Gene: AgentM_23 Start: 18724, Stop: 19737, Start Num: 114

Candidate Starts for AgentM_23:

(Start: 114 @18724 has 85 MA's), (173, 18820), (186, 18853), (188, 18856), (199, 18895), (217, 18943), (311, 19096), (320, 19114), (331, 19138), (351, 19180), (511, 19492), (558, 19594), (569, 19621), (600, 19684),

Gene: Ageofdapage_22 Start: 15951, Stop: 17087, Start Num: 31

Candidate Starts for Ageofdapage_22:

(Start: 31 @15951 has 231 MA's), (Start: 67 @16068 has 6 MA's), (154, 16179), (162, 16200), (178, 16227), (215, 16329), (293, 16482), (334, 16563), (372, 16638), (390, 16653), (476, 16764), (500, 16806), (539, 16899), (547, 16923), (584, 17016), (601, 17055), (608, 17073),

Gene: AikoCarson_16 Start: 14069, Stop: 15040, Start Num: 110

Candidate Starts for AikoCarson_16:

(Start: 110 @14069 has 84 MA's), (143, 14114), (155, 14135), (173, 14171), (202, 14252), (247, 14330), (252, 14339), (254, 14342), (281, 14396), (288, 14408), (320, 14456), (344, 14498), (371, 14546), (402, 14597), (419, 14627), (438, 14657), (443, 14672), (445, 14675), (504, 14771), (511, 14789), (540, 14843), (541, 14846), (553, 14873), (556, 14882), (561, 14897), (587, 14954), (608, 15002), (616, 15026), (618, 15032),

Gene: Ailee_32 Start: 30183, Stop: 31139, Start Num: 85

Candidate Starts for Ailee_32:

(Start: 85 @30183 has 58 MA's), (194, 30369), (197, 30381), (209, 30408), (215, 30429), (255, 30489), (317, 30576), (319, 30579), (336, 30615), (352, 30648), (360, 30663), (367, 30675), (392, 30705), (396, 30711), (438, 30771), (500, 30861), (541, 30951), (552, 30975), (556, 30987), (584, 31053), (606, 31104),

Gene: Airmid_23 Start: 17965, Stop: 18978, Start Num: 114

Candidate Starts for Airmid_23:

(Start: 114 @17965 has 85 MA's), (173, 18061), (186, 18094), (188, 18097), (199, 18136), (270, 18271), (282, 18301), (304, 18331), (311, 18337), (320, 18355), (331, 18379), (351, 18421), (445, 18592), (558, 18835), (569, 18862), (600, 18925),

Gene: AizenPogi_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for AizenPogi_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Alatin_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Alatin_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Aleemily_18 Start: 15646, Stop: 16554, Start Num: 99

Candidate Starts for Aleemily_18:

(7, 15193), (Start: 99 @15646 has 6 MA's), (Start: 122 @15673 has 2 MA's), (145, 15706), (193, 15808), (203, 15835), (212, 15859), (270, 15961), (287, 15994), (302, 16024), (328, 16060), (331, 16066), (336, 16075), (377, 16153), (411, 16183), (425, 16189), (434, 16204), (501, 16309), (532, 16375), (573, 16474), (598, 16507), (612, 16543),

Gene: Ali17_30 Start: 27429, Stop: 28415, Start Num: 72

Candidate Starts for Ali17_30:

(Start: 72 @27429 has 35 MA's), (161, 27552), (180, 27588), (202, 27648), (254, 27744), (317, 27855), (326, 27876), (379, 27978), (407, 28014), (530, 28230), (532, 28236), (538, 28251), (543, 28266), (556, 28302), (569, 28335), (570, 28338), (600, 28404),

Gene: AlishaPH_22 Start: 16010, Stop: 17146, Start Num: 31

Candidate Starts for AlishaPH_22:

(Start: 31 @16010 has 231 MA's), (Start: 67 @16127 has 6 MA's), (140, 16217), (154, 16238), (162, 16259), (178, 16286), (293, 16541), (334, 16622), (372, 16697), (390, 16712), (476, 16823), (500, 16865), (539, 16958), (547, 16982), (584, 17075), (601, 17114), (608, 17132),

Gene: Aliter_28 Start: 20455, Stop: 21468, Start Num: 106

Candidate Starts for Aliter_28:

(Start: 106 @20455 has 240 MA's), (Start: 122 @20473 has 2 MA's), (161, 20530), (173, 20548), (188, 20584), (270, 20764), (287, 20800), (311, 20830), (331, 20872), (415, 21031), (495, 21175), (521, 21238), (554, 21313), (558, 21325), (568, 21349),

Gene: AlleyCat_20 Start: 16301, Stop: 17431, Start Num: 37

Candidate Starts for AlleyCat_20:

(Start: 37 @16301 has 23 MA's), (121, 16475), (161, 16541), (178, 16571), (214, 16670), (261, 16772), (293, 16826), (311, 16856), (328, 16892), (329, 16895), (333, 16904), (370, 16979), (372, 16982), (404, 17018), (433, 17060), (461, 17078), (465, 17084), (476, 17108), (477, 17111), (500, 17150), (542, 17252), (584, 17360), (601, 17399), (608, 17417),

Gene: Alma_28 Start: 20534, Stop: 21547, Start Num: 106

Candidate Starts for Alma_28:

(Start: 106 @20534 has 240 MA's), (Start: 122 @20552 has 2 MA's), (161, 20609), (173, 20627), (188, 20663), (270, 20843), (287, 20879), (311, 20909), (331, 20951), (415, 21110), (495, 21254), (521, 21317), (554, 21392), (558, 21404), (568, 21428),

Gene: Alpacados_21 Start: 15416, Stop: 16288, Start Num: 114

Candidate Starts for Alpacados_21:

(Start: 114 @15416 has 85 MA's), (140, 15455), (183, 15536), (186, 15542), (Start: 211 @15611 has 1 MA's), (254, 15689), (267, 15716), (331, 15827), (409, 15923), (521, 16052), (530, 16070), (558, 16139), (615, 16277),

Gene: Amelie_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Amelie_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: Amgine_20 Start: 16119, Stop: 17255, Start Num: 31

Candidate Starts for Amgine_20:

(Start: 31 @16119 has 231 MA's), (Start: 67 @16236 has 6 MA's), (111, 16287), (178, 16395), (215, 16497), (216, 16500), (261, 16596), (293, 16650), (328, 16716), (333, 16728), (500, 16974), (501, 16977), (547, 17091), (584, 17184), (601, 17223), (608, 17241),

Gene: Aminay_20 Start: 16296, Stop: 17435, Start Num: 30

Candidate Starts for Aminay_20:

(Start: 30 @16296 has 1 MA's), (38, 16320), (54, 16392), (Start: 67 @16422 has 6 MA's), (134, 16506), (162, 16554), (177, 16578), (214, 16680), (261, 16782), (293, 16836), (331, 16905), (333, 16911), (348, 16947), (370, 16986), (433, 17064), (500, 17154), (512, 17190), (529, 17220), (543, 17259), (584, 17364), (601, 17403), (608, 17421),

Gene: Amochick_21 Start: 16318, Stop: 17412, Start Num: 56

Candidate Starts for Amochick_21:

(Start: 56 @16318 has 23 MA's), (59, 16327), (140, 16423), (147, 16432), (Start: 151 @16441 has 1 MA's), (178, 16492), (180, 16498), (216, 16594), (223, 16612), (251, 16681), (256, 16690), (266, 16711), (269, 16717), (272, 16723), (274, 16726), (310, 16798), (312, 16801), (401, 16957), (437, 17008), (444, 17026), (478, 17098), (494, 17116), (529, 17200), (539, 17227), (540, 17230), (552, 17266), (558, 17284), (575, 17326), (584, 17341), (585, 17344), (599, 17374), (601, 17380),

Gene: Amohnition_21 Start: 16493, Stop: 17629, Start Num: 31

Candidate Starts for Amohnition_21:

(Start: 31 @16493 has 231 MA's), (Start: 67 @16610 has 6 MA's), (Start: 84 @16628 has 6 MA's), (111, 16661), (140, 16700), (178, 16769), (214, 16868), (216, 16874), (261, 16970), (293, 17024), (328, 17090), (333, 17102), (370, 17177), (433, 17258), (465, 17282), (500, 17348), (501, 17351), (539, 17441), (584, 17558), (601, 17597), (608, 17615),

Gene: Amok_16 Start: 14066, Stop: 15037, Start Num: 110

Candidate Starts for Amok_16:

(Start: 110 @14066 has 84 MA's), (143, 14111), (155, 14132), (173, 14168), (202, 14249), (247, 14327), (252, 14336), (254, 14339), (281, 14393), (288, 14405), (320, 14453), (344, 14495), (371, 14543), (402, 14594), (419, 14624), (438, 14654), (443, 14669), (445, 14672), (504, 14768), (511, 14786), (540, 14840), (541, 14843), (553, 14870), (556, 14879), (561, 14894), (566, 14903), (587, 14951), (608, 14999), (616, 15023), (618, 15029),

Gene: Amymech_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Amymech_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Anaya_23 Start: 16036, Stop: 17172, Start Num: 31

Candidate Starts for Anaya_23:

(Start: 31 @16036 has 231 MA's), (Start: 37 @16042 has 23 MA's), (Start: 67 @16153 has 6 MA's), (154, 16264), (162, 16285), (178, 16312), (293, 16567), (334, 16648), (390, 16738), (476, 16849), (500, 16891), (539, 16984), (547, 17008), (584, 17101), (601, 17140), (608, 17158),

Gene: Anaysia_29 Start: 18122, Stop: 19099, Start Num: 110

Candidate Starts for Anaysia_29:

(Start: 110 @18122 has 84 MA's), (183, 18236), (186, 18242), (188, 18245), (297, 18479), (452, 18746), (493, 18800), (558, 18956),

Gene: AndPeggy_16 Start: 14429, Stop: 15400, Start Num: 110

Candidate Starts for AndPeggy_16:

(Start: 110 @14429 has 84 MA's), (143, 14474), (155, 14495), (161, 14510), (173, 14531), (192, 14582), (202, 14612), (213, 14639), (247, 14690), (252, 14699), (254, 14702), (281, 14756), (288, 14768), (320, 14816), (371, 14906), (402, 14957), (419, 14987), (438, 15017), (445, 15035), (504, 15131), (511, 15149), (539, 15200), (540, 15203), (553, 15233), (556, 15242), (561, 15257), (587, 15314), (608, 15362), (616, 15386), (618, 15392),

Gene: Aneem_27 Start: 19736, Stop: 20758, Start Num: 106

Candidate Starts for Aneem_27:

(Start: 106 @19736 has 240 MA's), (147, 19793), (183, 19868), (242, 19997), (270, 20057), (304, 20117), (311, 20123), (331, 20165), (353, 20210), (355, 20216), (401, 20300), (426, 20333), (558, 20615), (561, 20624), (568, 20639), (600, 20705),

Gene: Angel_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Angel_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Angelica_22 Start: 15985, Stop: 17121, Start Num: 31

Candidate Starts for Angelica_22:

(Start: 31 @15985 has 231 MA's), (Start: 67 @16102 has 6 MA's), (140, 16192), (154, 16213), (162, 16234), (178, 16261), (293, 16516), (334, 16597), (372, 16672), (390, 16687), (476, 16798), (500, 16840), (539, 16933), (547, 16957), (584, 17050), (601, 17089), (608, 17107),

Gene: Angelicage_32 Start: 30110, Stop: 31066, Start Num: 85

Candidate Starts for Angelicage_32:

(Start: 85 @30110 has 58 MA's), (194, 30296), (197, 30308), (209, 30335), (215, 30356), (255, 30416), (319, 30506), (336, 30542), (352, 30575), (360, 30590), (367, 30602), (392, 30632), (396, 30638), (438, 30698), (500, 30788), (541, 30878), (552, 30902), (556, 30914), (584, 30980), (606, 31031),

Gene: AngryOrchard_21 Start: 15399, Stop: 16271, Start Num: 114

Candidate Starts for AngryOrchard_21:

(Start: 114 @15399 has 85 MA's), (140, 15438), (186, 15525), (Start: 211 @15594 has 1 MA's), (254, 15672), (331, 15810), (409, 15906), (521, 16035), (530, 16053), (558, 16122), (615, 16260),

Gene: Anma_22 Start: 15965, Stop: 17101, Start Num: 31

Candidate Starts for Anma_22:

(Start: 31 @15965 has 231 MA's), (Start: 67 @16082 has 6 MA's), (140, 16172), (154, 16193), (162, 16214), (178, 16241), (261, 16442), (293, 16496), (298, 16502), (334, 16577), (372, 16652), (390, 16667), (500, 16820), (539, 16913), (547, 16937), (584, 17030), (601, 17069), (608, 17087),

Gene: AnnaL29_30 Start: 21011, Stop: 22024, Start Num: 106

Candidate Starts for AnnaL29_30:

(Start: 106 @21011 has 240 MA's), (Start: 122 @21029 has 2 MA's), (173, 21104), (188, 21140), (199, 21179), (270, 21320), (311, 21386), (329, 21425), (331, 21428), (353, 21473), (455, 21659), (473, 21692), (558, 21881),

Gene: Annihilator_17 Start: 15468, Stop: 16640, Start Num: 31

Candidate Starts for Annihilator_17:

(5, 15135), (Start: 31 @15468 has 231 MA's), (Start: 67 @15588 has 6 MA's), (Start: 84 @15606 has 6 MA's), (121, 15651), (124, 15657), (161, 15720), (180, 15756), (207, 15825), (208, 15828), (214, 15849), (240, 15903), (261, 15948), (278, 15978), (333, 16080), (338, 16092), (342, 16104), (351, 16122), (461, 16287), (476, 16317), (491, 16335), (500, 16359), (548, 16479), (584, 16569), (599, 16602),

Gene: Anon_27 Start: 18753, Stop: 19730, Start Num: 110

Candidate Starts for Anon_27:

(Start: 110 @18753 has 84 MA's), (140, 18795), (176, 18852), (183, 18867), (186, 18873), (188, 18876), (217, 18963), (297, 19110), (389, 19260), (558, 19587), (585, 19647), (600, 19677),

Gene: Anselm_27 Start: 19280, Stop: 20296, Start Num: 106

Candidate Starts for Anselm_27:

(Start: 106 @19280 has 240 MA's), (161, 19355), (173, 19373), (188, 19409), (199, 19448), (311, 19655), (329, 19694), (331, 19697), (473, 19964), (521, 20066), (554, 20141), (558, 20153), (600, 20243),

Gene: Anthony_26 Start: 17668, Stop: 18678, Start Num: 106

Candidate Starts for Anthony_26:

(Start: 106 @17668 has 240 MA's), (173, 17761), (188, 17797), (270, 17977), (311, 18043), (329, 18082), (331, 18085), (401, 18220), (473, 18346), (516, 18439), (521, 18448), (558, 18535), (568, 18559), (584, 18592), (600, 18625),

Gene: Antsirabe_17 Start: 15810, Stop: 16985, Start Num: 31

Candidate Starts for Antsirabe_17:

(4, 15441), (5, 15501), (Start: 31 @15810 has 231 MA's), (Start: 84 @15951 has 6 MA's), (124, 16002), (162, 16068), (163, 16071), (177, 16092), (180, 16101), (207, 16170), (208, 16173), (215, 16197),

(236, 16242), (240, 16248), (261, 16293), (314, 16383), (338, 16437), (368, 16497), (445, 16605), (476, 16662), (500, 16704), (502, 16710), (534, 16782), (540, 16800), (567, 16878), (568, 16881), (575, 16899), (599, 16947), (601, 16953),

Gene: Aphelion_47 Start: 28709, Stop: 29590, Start Num: 76

Candidate Starts for Aphelion_47:

(Start: 76 @28709 has 13 MA's), (119, 28757), (140, 28784), (179, 28856), (205, 28922), (214, 28952), (279, 29060), (333, 29153), (343, 29177), (350, 29192), (433, 29288), (476, 29336), (558, 29516), (571, 29552),

Gene: Apiary_44 Start: 30416, Stop: 31342, Start Num: 85

Candidate Starts for Apiary_44:

(Start: 85 @30416 has 58 MA's), (Start: 122 @30452 has 2 MA's), (188, 30569), (199, 30608), (208, 30626), (240, 30677), (287, 30776), (331, 30851), (336, 30860), (377, 30935), (401, 30956), (500, 31094), (513, 31130), (534, 31169), (558, 31211), (587, 31274), (600, 31307),

Gene: Apocalypse_22 Start: 15988, Stop: 17124, Start Num: 31

Candidate Starts for Apocalypse_22:

(Start: 31 @15988 has 231 MA's), (Start: 67 @16105 has 6 MA's), (140, 16195), (154, 16216), (162, 16237), (178, 16264), (255, 16453), (293, 16519), (334, 16600), (372, 16675), (390, 16690), (476, 16801), (500, 16843), (539, 16936), (547, 16960), (584, 17053), (601, 17092), (608, 17110),

Gene: AppleCloud_20 Start: 15445, Stop: 16317, Start Num: 114

Candidate Starts for AppleCloud_20:

(Start: 114 @15445 has 85 MA's), (140, 15484), (186, 15571), (Start: 211 @15640 has 1 MA's), (254, 15718), (267, 15745), (331, 15856), (409, 15952), (521, 16081), (530, 16099), (558, 16168), (615, 16306),

Gene: Applecrisp_20 Start: 16530, Stop: 17666, Start Num: 31

Candidate Starts for Applecrisp_20:

(Start: 31 @16530 has 231 MA's), (Start: 67 @16647 has 6 MA's), (111, 16698), (178, 16806), (215, 16908), (216, 16911), (261, 17007), (293, 17061), (328, 17127), (333, 17139), (500, 17385), (501, 17388), (584, 17595), (601, 17634), (608, 17652),

Gene: Applejacks_17 Start: 14230, Stop: 15060, Start Num: 109

Candidate Starts for Applejacks_17:

(Start: 109 @14230 has 16 MA's), (140, 14275), (155, 14299), (181, 14362), (183, 14365), (209, 14434), (262, 14530), (325, 14626), (331, 14638), (349, 14677), (372, 14707), (532, 14863), (540, 14884), (554, 14914), (555, 14917), (569, 14953), (586, 14983),

Gene: Appletree2_17 Start: 15800, Stop: 16699, Start Num: 89

Candidate Starts for Appletree2_17:

(62, 15764), (63, 15767), (Start: 89 @15800 has 16 MA's), (Start: 103 @15818 has 86 MA's), (125, 15842), (147, 15872), (155, 15887), (174, 15920), (246, 16064), (282, 16145), (329, 16220), (331, 16223), (335, 16229), (355, 16274), (376, 16301), (411, 16334), (425, 16340), (450, 16373), (455, 16382), (486, 16409), (538, 16529), (558, 16577), (571, 16604), (598, 16643), (601, 16649), (614, 16688),

Gene: Apricot_18 Start: 15047, Stop: 15973, Start Num: 110

Candidate Starts for Apricot_18:

(Start: 110 @15047 has 84 MA's), (Start: 117 @15053 has 6 MA's), (139, 15083), (173, 15143), (183, 15167), (190, 15182), (195, 15197), (197, 15206), (202, 15218), (Start: 211 @15239 has 1 MA's), (216, 15257), (229, 15269), (252, 15314), (281, 15368), (283, 15371), (286, 15374), (293, 15386), (320,

15416), (328, 15434), (360, 15488), (367, 15500), (371, 15506), (388, 15527), (424, 15575), (435, 15593), (438, 15599), (443, 15614), (445, 15617), (539, 15770), (540, 15773), (543, 15779), (558, 15812), (566, 15830), (579, 15863), (603, 15914), (609, 15929), (622, 15965),

Gene: Aquarius_15 Start: 11300, Stop: 12247, Start Num: 83

Candidate Starts for Aquarius_15:

(74, 11285), (Start: 79 @11291 has 1 MA's), (81, 11294), (Start: 83 @11300 has 44 MA's), (Start: 110 @11333 has 84 MA's), (126, 11351), (129, 11354), (135, 11360), (149, 11384), (154, 11393), (166, 11423), (168, 11426), (170, 11429), (174, 11441), (177, 11450), (194, 11495), (206, 11525), (Start: 211 @11540 has 1 MA's), (215, 11555), (216, 11558), (242, 11606), (249, 11624), (267, 11660), (270, 11666), (280, 11693), (282, 11696), (294, 11717), (319, 11744), (331, 11771), (335, 11777), (367, 11840), (375, 11852), (406, 11894), (408, 11897), (410, 11900), (432, 11933), (441, 11951), (447, 11966), (479, 12002), (489, 12017), (492, 12023), (520, 12092), (521, 12095), (522, 12098), (531, 12116), (532, 12119), (536, 12128), (554, 12176), (558, 12188), (561, 12197), (567, 12212), (569, 12218), (574, 12233),

Gene: Aragog_23 Start: 18754, Stop: 19767, Start Num: 114

Candidate Starts for Aragog_23:

(Start: 114 @18754 has 85 MA's), (173, 18850), (186, 18883), (188, 18886), (199, 18925), (217, 18973), (311, 19126), (320, 19144), (331, 19168), (351, 19210), (511, 19522), (558, 19624), (569, 19651), (600, 19714),

Gene: ArcherNM_29 Start: 20956, Stop: 21969, Start Num: 106

Candidate Starts for ArcherNM_29:

(Start: 106 @20956 has 240 MA's), (173, 21049), (188, 21085), (199, 21124), (311, 21331), (329, 21370), (331, 21373), (353, 21418), (455, 21604), (473, 21637), (558, 21826),

Gene: Archetta_23 Start: 18467, Stop: 19480, Start Num: 114

Candidate Starts for Archetta_23:

(Start: 114 @18467 has 85 MA's), (173, 18563), (186, 18596), (188, 18599), (199, 18638), (217, 18686), (311, 18839), (320, 18857), (331, 18881), (351, 18923), (511, 19235), (558, 19337), (569, 19364),

Gene: ArchiDore_18 Start: 15181, Stop: 16242, Start Num: 60

Candidate Starts for ArchiDore_18:

(Start: 60 @15181 has 18 MA's), (140, 15274), (162, 15316), (188, 15364), (215, 15442), (238, 15502), (251, 15532), (263, 15556), (266, 15562), (304, 15634), (308, 15643), (310, 15646), (316, 15655), (335, 15697), (401, 15796), (444, 15865), (463, 15892), (471, 15913), (567, 16138), (600, 16210), (601, 16213),

Gene: Archie_17 Start: 16290, Stop: 17204, Start Num: 103

Candidate Starts for Archie_17:

(Start: 103 @16290 has 86 MA's), (125, 16314), (147, 16344), (188, 16425), (328, 16695), (329, 16698), (331, 16701), (398, 16788), (411, 16812), (425, 16818), (486, 16887), (495, 16905), (501, 16923), (502, 16926), (558, 17055), (571, 17082), (576, 17094), (614, 17184), (619, 17196),

Gene: Archimedes_15 Start: 13707, Stop: 14570, Start Num: 76

Candidate Starts for Archimedes_15:

(Start: 67 @13698 has 6 MA's), (Start: 76 @13707 has 13 MA's), (133, 13767), (206, 13914), (214, 13941), (243, 13983), (278, 14052), (302, 14088), (347, 14178), (399, 14235), (401, 14238), (476, 14325), (501, 14361), (514, 14391), (521, 14400),

Gene: Archis_19 Start: 16004, Stop: 16864, Start Num: 73

Candidate Starts for Archis_19:

(Start: 67 @15998 has 6 MA's), (Start: 73 @16004 has 29 MA's), (Start: 93 @16019 has 8 MA's), (183, 16160), (213, 16241), (248, 16298), (253, 16307), (275, 16340), (334, 16448), (398, 16532), (465, 16604), (538, 16733), (547, 16760), (553, 16775),

Gene: Arianna_18 Start: 16553, Stop: 17428, Start Num: 95

Candidate Starts for Arianna_18:

(Start: 92 @16550 has 11 MA's), (Start: 95 @16553 has 1 MA's), (155, 16637), (212, 16775), (398, 17063),

Gene: Arissanae_26 Start: 18593, Stop: 19615, Start Num: 106

Candidate Starts for Arissanae_26:

(Start: 106 @18593 has 240 MA's), (120, 18608), (Start: 122 @18611 has 2 MA's), (173, 18686), (287, 18938), (311, 18968), (331, 19010), (407, 19160), (439, 19205), (466, 19256), (467, 19262), (521, 19385), (558, 19472),

Gene: Aroostook_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Aroostook_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Arri_33 Start: 25616, Stop: 26560, Start Num: 91

Candidate Starts for Arri_33:

(Start: 91 @25616 has 34 MA's), (161, 25721), (192, 25790), (194, 25796), (202, 25820), (209, 25835), (438, 26195), (443, 26210), (456, 26228), (522, 26330), (541, 26372), (556, 26408), (598, 26504), (617, 26555),

Gene: Artemis2UCLA_30 Start: 18860, Stop: 19876, Start Num: 106

Candidate Starts for Artemis2UCLA_30:

(Start: 106 @18860 has 240 MA's), (Start: 122 @18878 has 2 MA's), (147, 18914), (173, 18953), (212, 19058), (311, 19235), (329, 19274), (331, 19277), (377, 19364), (385, 19385), (455, 19511), (495, 19583), (558, 19733), (561, 19742), (600, 19823),

Gene: Arti_40 Start: 28866, Stop: 29807, Start Num: 87

Candidate Starts for Arti_40:

(Start: 87 @28866 has 26 MA's), (150, 28953), (188, 29028), (Start: 211 @29094 has 1 MA's), (240, 29136), (267, 29193), (401, 29406), (415, 29433), (500, 29544), (558, 29676), (600, 29772),

Gene: Asapag_19 Start: 15508, Stop: 16431, Start Num: 112

Candidate Starts for Asapag_19:

(Start: 112 @15508 has 15 MA's), (Start: 117 @15511 has 6 MA's), (125, 15523), (139, 15541), (163, 15586), (183, 15625), (197, 15664), (Start: 211 @15697 has 1 MA's), (213, 15703), (252, 15772), (281, 15826), (283, 15829), (286, 15832), (293, 15844), (320, 15874), (328, 15892), (360, 15946), (367, 15958), (371, 15964), (388, 15985), (424, 16033), (438, 16057), (443, 16072), (445, 16075), (462, 16096), (539, 16228), (540, 16231), (543, 16237), (558, 16270), (566, 16288), (579, 16321), (603, 16372), (609, 16387), (622, 16423),

Gene: Asayake_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Asayake_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Ashertheman_34 Start: 28975, Stop: 29931, Start Num: 85

Candidate Starts for Ashertheman_34:

(Start: 85 @28975 has 58 MA's), (194, 29161), (197, 29173), (202, 29185), (209, 29200), (213, 29212), (234, 29239), (244, 29254), (255, 29281), (319, 29371), (336, 29407), (367, 29467), (381, 29491), (396, 29503), (438, 29563), (500, 29653), (552, 29767), (556, 29779), (584, 29845), (591, 29860), (602, 29884), (606, 29896),

Gene: Astro_23 Start: 17636, Stop: 18658, Start Num: 114

Candidate Starts for Astro_23:

(Start: 114 @17636 has 85 MA's), (183, 17759), (186, 17765), (212, 17837), (270, 17942), (280, 17969), (331, 18059), (440, 18260), (454, 18290), (455, 18293), (554, 18503), (569, 18542), (592, 18590), (600, 18605),

Gene: Atiba_22 Start: 15980, Stop: 17116, Start Num: 31

Candidate Starts for Atiba_22:

(Start: 31 @15980 has 231 MA's), (Start: 67 @16097 has 6 MA's), (140, 16187), (154, 16208), (162, 16229), (178, 16256), (293, 16511), (334, 16592), (372, 16667), (390, 16682), (476, 16793), (500, 16835), (539, 16928), (547, 16952), (584, 17045), (601, 17084), (608, 17102),

Gene: Attacne_15 Start: 11286, Stop: 12227, Start Num: 83

Candidate Starts for Attacne_15:

(Start: 79 @11277 has 1 MA's), (81, 11280), (Start: 83 @11286 has 44 MA's), (Start: 110 @11319 has 84 MA's), (126, 11337), (149, 11364), (154, 11373), (166, 11403), (168, 11406), (170, 11409), (174, 11421), (194, 11475), (206, 11505), (Start: 211 @11520 has 1 MA's), (214, 11532), (215, 11535), (216, 11538), (242, 11586), (249, 11604), (267, 11640), (270, 11646), (280, 11673), (282, 11676), (315, 11715), (319, 11724), (329, 11748), (335, 11757), (367, 11820), (375, 11832), (406, 11874), (408, 11877), (410, 11880), (441, 11931), (447, 11946), (458, 11967), (479, 11982), (489, 11997), (492, 12003), (521, 12075), (522, 12078), (531, 12096), (532, 12099), (536, 12108), (554, 12156), (558, 12168), (561, 12177), (567, 12192), (569, 12198), (574, 12213),

Gene: AuntGwenStacy_23 Start: 18613, Stop: 19611, Start Num: 50

Candidate Starts for AuntGwenStacy_23:

(Start: 50 @18613 has 6 MA's), (Start: 99 @18679 has 6 MA's), (161, 18769), (163, 18775), (189, 18823), (206, 18871), (214, 18898), (230, 18925), (231, 18928), (244, 18949), (271, 19000), (299, 19051), (305, 19060), (319, 19087), (351, 19162), (365, 19186), (465, 19276), (476, 19300), (477, 19303), (500, 19339), (522, 19393), (527, 19402), (543, 19444), (544, 19447), (575, 19528), (581, 19537), (601, 19582),

Gene: Auspice_27 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for Auspice_27:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: AvadaKedavra_17 Start: 15865, Stop: 16746, Start Num: 103

Candidate Starts for AvadaKedavra_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558,

16624), (598, 16690), (601, 16696), (614, 16735),

Gene: Avani_18 Start: 12813, Stop: 13742, Start Num: 101

Candidate Starts for Avani_18:

(Start: 101 @12813 has 12 MA's), (147, 12873), (173, 12924), (Start: 211 @13023 has 1 MA's), (213, 13029), (218, 13044), (293, 13164), (315, 13182), (349, 13248), (356, 13260), (386, 13305), (419, 13344), (424, 13350), (438, 13374), (439, 13377), (440, 13380), (443, 13389), (445, 13392), (498, 13458), (504, 13479), (505, 13482), (527, 13518), (539, 13545), (540, 13548), (558, 13587), (566, 13605), (568, 13611), (584, 13647), (587, 13653), (598, 13677), (601, 13683), (603, 13689),

Gene: Avocado_17 Start: 15733, Stop: 16914, Start Num: 32

Candidate Starts for Avocado_17:

(Start: 32 @15733 has 2 MA's), (Start: 67 @15862 has 6 MA's), (Start: 84 @15880 has 6 MA's), (124, 15931), (140, 15955), (162, 15997), (163, 16000), (177, 16021), (180, 16030), (194, 16066), (208, 16102), (210, 16108), (215, 16126), (240, 16177), (314, 16312), (338, 16366), (368, 16426), (476, 16591), (500, 16633), (534, 16711), (567, 16807), (568, 16810), (599, 16876),

Gene: Avrafan_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Avrafan_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Axym_17 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Axym_17:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (539, 15535), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Ayanochan_29 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for Ayanochan_29:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: Ayotoya_21 Start: 17079, Stop: 18140, Start Num: 60

Candidate Starts for Ayotoya_21:

(Start: 60 @17079 has 18 MA's), (Start: 99 @17124 has 6 MA's), (124, 17154), (188, 17262), (245, 17412), (266, 17460), (310, 17544), (316, 17553), (335, 17595), (448, 17772), (491, 17841), (554, 18003), (567, 18036), (600, 18108), (601, 18111),

Gene: Azira_19 Start: 15745, Stop: 16710, Start Num: 110

Candidate Starts for Azira_19:

(Start: 110 @15745 has 84 MA's), (143, 15790), (161, 15826), (173, 15847), (183, 15874), (202, 15928), (247, 16009), (252, 16018), (254, 16021), (288, 16090), (320, 16138), (331, 16162), (371, 16228), (381, 16243), (412, 16282), (504, 16438), (539, 16504), (540, 16507), (541, 16510), (553, 16537), (556, 16546), (566, 16570), (579, 16603), (589, 16621), (605, 16666), (616, 16696), (618, 16702),

Gene: Aziz_31 Start: 22046, Stop: 22957, Start Num: 96

Candidate Starts for Aziz_31:

(Start: 96 @22046 has 21 MA's), (Start: 105 @22055 has 1 MA's), (147, 22109), (163, 22145), (167, 22148), (177, 22166), (183, 22181), (188, 22190), (Start: 211 @22250 has 1 MA's), (212, 22253), (329, 22478), (331, 22481), (345, 22511), (425, 22598), (515, 22739), (538, 22787), (553, 22820), (613, 22943),

Gene: Azula_20 Start: 16105, Stop: 16965, Start Num: 70

Candidate Starts for Azula_20:

(Start: 70 @16105 has 25 MA's), (Start: 93 @16120 has 8 MA's), (164, 16222), (183, 16261), (213, 16342), (267, 16426), (275, 16441), (334, 16549), (398, 16633), (461, 16699), (465, 16705), (494, 16744), (538, 16834), (553, 16876),

Gene: AzulaCat_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for AzulaCat_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: BABullseye_30 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for BABullseye_30:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: BBQValindra_18 Start: 15702, Stop: 16631, Start Num: 106

Candidate Starts for BBQValindra_18:

(23, 15468), (40, 15567), (86, 15681), (Start: 106 @15702 has 240 MA's), (Start: 117 @15711 has 6 MA's), (147, 15753), (Start: 151 @15765 has 1 MA's), (259, 15987), (299, 16056), (313, 16062), (317, 16071), (320, 16077), (335, 16107), (353, 16137), (371, 16167), (375, 16173), (424, 16236), (438, 16260), (486, 16317), (496, 16338), (527, 16404), (558, 16473), (604, 16578), (616, 16611),

Gene: BEEST_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for BEEST_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: BENtherdunthat_19 Start: 15508, Stop: 16431, Start Num: 112

Candidate Starts for BENtherdunthat_19:

(Start: 112 @15508 has 15 MA's), (Start: 117 @15511 has 6 MA's), (125, 15523), (139, 15541), (163, 15586), (183, 15625), (197, 15664), (Start: 211 @15697 has 1 MA's), (213, 15703), (252, 15772), (281, 15826), (283, 15829), (286, 15832), (293, 15844), (320, 15874), (328, 15892), (360, 15946), (367, 15958), (371, 15964), (388, 15985), (424, 16033), (438, 16057), (443, 16072), (445, 16075), (462, 16096), (539, 16228), (540, 16231), (543, 16237), (558, 16270), (566, 16288), (579, 16321), (603, 16372), (609, 16387), (622, 16423),

Gene: BGlluviae_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for BGlluviae_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500,

16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: BPs_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for BPs_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: BQuat_17 Start: 15468, Stop: 16640, Start Num: 31

Candidate Starts for BQuat_17:

(5, 15135), (Start: 31 @15468 has 231 MA's), (Start: 67 @15588 has 6 MA's), (Start: 84 @15606 has 6 MA's), (121, 15651), (124, 15657), (161, 15720), (180, 15756), (207, 15825), (208, 15828), (214, 15849), (240, 15903), (261, 15948), (278, 15978), (333, 16080), (338, 16092), (342, 16104), (351, 16122), (461, 16287), (476, 16317), (491, 16335), (500, 16359), (548, 16479), (584, 16569), (599, 16602),

Gene: BabyBack_29 Start: 20784, Stop: 21794, Start Num: 106

Candidate Starts for BabyBack_29:

(Start: 106 @20784 has 240 MA's), (173, 20877), (188, 20913), (199, 20952), (311, 21159), (329, 21198), (331, 21201), (521, 21564), (558, 21651), (568, 21675),

Gene: BabyMoney_20 Start: 17148, Stop: 18008, Start Num: 73

Candidate Starts for BabyMoney_20:

(Start: 73 @17148 has 29 MA's), (Start: 83 @17154 has 44 MA's), (Start: 112 @17190 has 15 MA's), (Start: 118 @17193 has 5 MA's), (203, 17361), (209, 17376), (213, 17388), (273, 17484), (275, 17487), (277, 17496), (285, 17508), (293, 17523), (361, 17652), (474, 17772), (494, 17793), (501, 17814), (510, 17844), (554, 17934),

Gene: Bachita_49 Start: 29142, Stop: 30023, Start Num: 76

Candidate Starts for Bachita_49:

(Start: 76 @29142 has 13 MA's), (119, 29190), (140, 29217), (179, 29289), (205, 29355), (214, 29385), (279, 29493), (333, 29586), (343, 29610), (350, 29625), (433, 29721), (476, 29769), (558, 29949), (571, 29985),

Gene: Bachome_27 Start: 19727, Stop: 20749, Start Num: 106

Candidate Starts for Bachome_27:

(Start: 106 @19727 has 240 MA's), (147, 19784), (183, 19859), (242, 19988), (270, 20048), (304, 20108), (311, 20114), (331, 20156), (353, 20201), (355, 20207), (401, 20291), (426, 20324), (558, 20606), (561, 20615), (568, 20630), (600, 20696),

Gene: BackstagePass_18 Start: 15842, Stop: 16771, Start Num: 106

Candidate Starts for BackstagePass_18:

(Start: 106 @15842 has 240 MA's), (Start: 117 @15851 has 6 MA's), (147, 15893), (Start: 151 @15905 has 1 MA's), (Start: 211 @16043 has 1 MA's), (259, 16127), (299, 16196), (313, 16202), (317, 16211), (320, 16217), (335, 16247), (353, 16277), (371, 16307), (375, 16313), (424, 16376), (438, 16400), (486, 16457), (496, 16478), (527, 16544), (558, 16613), (616, 16751),

Gene: Bactobuster_28 Start: 20771, Stop: 21787, Start Num: 106

Candidate Starts for Bactobuster_28:

(Start: 106 @20771 has 240 MA's), (161, 20846), (173, 20864), (199, 20939), (270, 21080), (282, 21110), (311, 21146), (331, 21188), (379, 21278), (393, 21314), (401, 21329), (473, 21455), (511,

21542), (558, 21644), (568, 21668),

Gene: Baddon_33 Start: 29772, Stop: 30728, Start Num: 85

Candidate Starts for Baddon_33:

(Start: 85 @29772 has 58 MA's), (183, 29928), (194, 29958), (197, 29970), (198, 29973), (202, 29982), (209, 29997), (213, 30009), (319, 30168), (336, 30204), (367, 30264), (396, 30300), (438, 30360), (500, 30450), (541, 30540), (552, 30564), (556, 30576), (584, 30642), (591, 30657), (602, 30681), (606, 30693),

Gene: Baehexic_28 Start: 19662, Stop: 20678, Start Num: 106

Candidate Starts for Baehexic_28:

(Start: 106 @19662 has 240 MA's), (161, 19737), (173, 19755), (188, 19791), (199, 19830), (287, 20007), (311, 20037), (329, 20076), (331, 20079), (558, 20535), (568, 20559),

Gene: BaghaKamala_22 Start: 15980, Stop: 17116, Start Num: 31

Candidate Starts for BaghaKamala_22:

(Start: 31 @15980 has 231 MA's), (Start: 67 @16097 has 6 MA's), (140, 16187), (154, 16208), (162, 16229), (178, 16256), (293, 16511), (334, 16592), (372, 16667), (390, 16682), (476, 16793), (500, 16835), (539, 16928), (547, 16952), (584, 17045), (601, 17084), (608, 17102),

Gene: Bakery_31 Start: 24839, Stop: 25771, Start Num: 91

Candidate Starts for Bakery_31:

(Start: 91 @24839 has 34 MA's), (161, 24935), (192, 25004), (194, 25010), (197, 25022), (198, 25025), (202, 25034), (209, 25049), (319, 25223), (336, 25259), (419, 25376), (438, 25406), (522, 25541), (539, 25577), (552, 25607), (556, 25619), (589, 25694), (598, 25715),

Gene: Balloona_16 Start: 14468, Stop: 15424, Start Num: 110

Candidate Starts for Balloona_16:

(Start: 110 @14468 has 84 MA's), (143, 14513), (173, 14570), (183, 14597), (202, 14651), (213, 14678), (247, 14729), (249, 14732), (252, 14738), (254, 14741), (281, 14795), (291, 14810), (320, 14855), (331, 14879), (342, 14894), (371, 14945), (438, 15041), (540, 15227), (553, 15257), (556, 15266), (579, 15323), (603, 15374), (616, 15410), (618, 15416),

Gene: BananenDer11_20 Start: 16380, Stop: 17510, Start Num: 37

Candidate Starts for BananenDer11_20:

(Start: 37 @16380 has 23 MA's), (121, 16554), (161, 16620), (162, 16623), (178, 16650), (214, 16749), (261, 16851), (293, 16905), (311, 16935), (328, 16971), (329, 16974), (333, 16983), (370, 17058), (372, 17061), (404, 17097), (433, 17139), (461, 17157), (465, 17163), (476, 17187), (477, 17190), (500, 17229), (584, 17439), (601, 17478), (608, 17496),

Gene: Banquo_25 Start: 16992, Stop: 17822, Start Num: 118

Candidate Starts for Banquo_25:

(Start: 115 @16989 has 6 MA's), (Start: 118 @16992 has 5 MA's), (135, 17007), (152, 17037), (158, 17046), (168, 17070), (Start: 211 @17184 has 1 MA's), (213, 17190), (216, 17202), (221, 17214), (271, 17313), (324, 17400), (336, 17424), (382, 17508), (406, 17532), (408, 17535), (432, 17571), (487, 17652), (511, 17718), (524, 17742), (531, 17754), (532, 17757),

Gene: Bantam_29 Start: 26180, Stop: 27064, Start Num: 70

Candidate Starts for Bantam_29:

(Start: 70 @26180 has 25 MA's), (Start: 93 @26201 has 8 MA's), (179, 26327), (183, 26336), (239, 26456), (270, 26507), (275, 26516), (293, 26552), (333, 26624), (335, 26630), (433, 26759), (476, 26807), (514, 26882), (538, 26930),

Gene: Baoshan_16 Start: 15899, Stop: 16813, Start Num: 103

Candidate Starts for Baoshan_16:

(Start: 103 @15899 has 86 MA's), (125, 15923), (147, 15953), (188, 16034), (206, 16079), (328, 16304), (329, 16307), (331, 16310), (345, 16340), (398, 16397), (425, 16427), (486, 16496), (495, 16514), (527, 16589), (532, 16601), (558, 16664), (571, 16691), (601, 16754), (614, 16793), (619, 16805),

Gene: Barb_32 Start: 25634, Stop: 26578, Start Num: 91

Candidate Starts for Barb_32:

(Start: 91 @25634 has 34 MA's), (161, 25739), (192, 25808), (194, 25814), (202, 25838), (209, 25853), (438, 26213), (443, 26228), (456, 26246), (522, 26348), (541, 26390), (556, 26426), (598, 26522), (617, 26573),

Gene: Barco_18 Start: 15787, Stop: 16653, Start Num: 67

Candidate Starts for Barco_18:

(Start: 67 @15787 has 6 MA's), (Start: 73 @15793 has 29 MA's), (183, 15949), (213, 16030), (275, 16129), (334, 16237), (398, 16321), (465, 16393), (538, 16522), (547, 16549), (553, 16564),

Gene: Barkley26_17 Start: 15480, Stop: 16652, Start Num: 31

Candidate Starts for Barkley26_17:

(5, 15147), (Start: 31 @15480 has 231 MA's), (Start: 67 @15600 has 6 MA's), (Start: 84 @15618 has 6 MA's), (121, 15663), (124, 15669), (161, 15732), (180, 15768), (207, 15837), (208, 15840), (214, 15861), (240, 15915), (261, 15960), (278, 15990), (333, 16092), (338, 16104), (342, 16116), (351, 16134), (461, 16299), (476, 16329), (491, 16347), (500, 16371), (542, 16473), (548, 16491), (584, 16581), (599, 16614),

Gene: BarrelRoll_22 Start: 16003, Stop: 17139, Start Num: 31

Candidate Starts for BarrelRoll_22:

(Start: 31 @16003 has 231 MA's), (Start: 67 @16120 has 6 MA's), (140, 16210), (154, 16231), (162, 16252), (178, 16279), (293, 16534), (334, 16615), (372, 16690), (390, 16705), (476, 16816), (500, 16858), (539, 16951), (547, 16975), (584, 17068), (601, 17107), (608, 17125),

Gene: Barsten_34 Start: 29324, Stop: 30280, Start Num: 85

Candidate Starts for Barsten_34:

(Start: 85 @29324 has 58 MA's), (194, 29510), (197, 29522), (209, 29549), (215, 29570), (255, 29630), (317, 29717), (319, 29720), (336, 29756), (352, 29789), (360, 29804), (367, 29816), (392, 29846), (396, 29852), (438, 29912), (500, 30002), (541, 30092), (552, 30116), (556, 30128), (584, 30194), (606, 30245),

Gene: Battleship_30 Start: 18234, Stop: 19211, Start Num: 110

Candidate Starts for Battleship_30:

(Start: 110 @18234 has 84 MA's), (183, 18348), (186, 18354), (188, 18357), (297, 18591), (452, 18858), (493, 18912), (558, 19068),

Gene: Baudelaire_17 Start: 15428, Stop: 16309, Start Num: 103

Candidate Starts for Baudelaire_17:

(Start: 76 @15389 has 13 MA's), (Start: 84 @15404 has 6 MA's), (Start: 103 @15428 has 86 MA's), (125, 15452), (155, 15497), (161, 15512), (174, 15530), (206, 15608), (287, 15761), (292, 15770), (331, 15833), (411, 15944), (425, 15950), (429, 15956), (455, 15992), (486, 16019), (497, 16043), (503, 16061), (505, 16070), (506, 16073), (527, 16112), (538, 16139), (558, 16187), (569, 16208), (614, 16298),

Gene: Baumdotcom_33 Start: 28596, Stop: 29552, Start Num: 85

Candidate Starts for Baumdotcom_33:

(Start: 85 @28596 has 58 MA's), (194, 28782), (197, 28794), (202, 28806), (209, 28821), (213, 28833), (234, 28860), (244, 28875), (255, 28902), (319, 28992), (336, 29028), (367, 29088), (381, 29112), (396, 29124), (438, 29184), (500, 29274), (552, 29388), (556, 29400), (584, 29466), (591, 29481), (602, 29505), (606, 29517),

Gene: Bavilard_17 Start: 15254, Stop: 16210, Start Num: 110

Candidate Starts for Bavilard_17:

(Start: 110 @15254 has 84 MA's), (143, 15299), (173, 15356), (183, 15383), (202, 15437), (213, 15464), (247, 15515), (249, 15518), (252, 15524), (254, 15527), (281, 15581), (291, 15596), (320, 15641), (331, 15665), (342, 15680), (371, 15731), (438, 15827), (540, 16013), (553, 16043), (556, 16052), (566, 16076), (579, 16109), (616, 16196), (618, 16202),

Gene: Bazzle_17 Start: 16039, Stop: 16953, Start Num: 103

Candidate Starts for Bazzle_17:

(Start: 103 @16039 has 86 MA's), (125, 16063), (147, 16093), (206, 16219), (328, 16444), (329, 16447), (331, 16450), (398, 16537), (411, 16561), (425, 16567), (486, 16636), (495, 16654), (501, 16672), (502, 16675), (558, 16804), (571, 16831), (576, 16843), (614, 16933), (619, 16945),

Gene: Beelzebub_53 Start: 26710, Stop: 27672, Start Num: 103

Candidate Starts for Beelzebub_53:

(Start: 103 @26710 has 86 MA's), (183, 26842), (192, 26866), (196, 26875), (198, 26881), (202, 26890), (212, 26914), (214, 26923), (219, 26935), (280, 27061), (324, 27142), (331, 27157), (335, 27163), (411, 27271), (505, 27397), (507, 27403), (577, 27553), (581, 27559), (588, 27571), (590, 27574), (621, 27661), (623, 27664), (624, 27667),

Gene: Beemo_28 Start: 20561, Stop: 21574, Start Num: 106

Candidate Starts for Beemo_28:

(Start: 106 @20561 has 240 MA's), (Start: 122 @20579 has 2 MA's), (161, 20636), (173, 20654), (188, 20690), (270, 20870), (287, 20906), (311, 20936), (331, 20978), (415, 21137), (495, 21281), (521, 21344), (554, 21419), (558, 21431), (568, 21455),

Gene: Beezoo_22 Start: 16027, Stop: 17163, Start Num: 31

Candidate Starts for Beezoo_22:

(Start: 31 @16027 has 231 MA's), (Start: 67 @16144 has 6 MA's), (140, 16234), (154, 16255), (162, 16276), (178, 16303), (293, 16558), (334, 16639), (372, 16714), (390, 16729), (476, 16840), (500, 16882), (539, 16975), (547, 16999), (584, 17092), (601, 17131), (608, 17149),

Gene: Begonia_19 Start: 16271, Stop: 17131, Start Num: 73

Candidate Starts for Begonia_19:

(Start: 67 @16265 has 6 MA's), (Start: 73 @16271 has 29 MA's), (183, 16427), (213, 16508), (275, 16607), (334, 16715), (398, 16799), (465, 16871), (538, 17000), (553, 17042),

Gene: Belenaria_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Belenaria_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Bella96_22 Start: 15947, Stop: 17083, Start Num: 31

Candidate Starts for Bella96_22:

(Start: 31 @15947 has 231 MA's), (Start: 67 @16064 has 6 MA's), (140, 16154), (154, 16175), (162, 16196), (178, 16223), (261, 16424), (293, 16478), (334, 16559), (372, 16634), (390, 16649), (500,

16802), (539, 16895), (547, 16919), (584, 17012), (601, 17051), (608, 17069),

Gene: Belladonna_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Belladonna_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Bellis_18 Start: 16492, Stop: 17382, Start Num: 103

Candidate Starts for Bellis_18:

(Start: 103 @16492 has 86 MA's), (125, 16516), (155, 16561), (161, 16576), (174, 16597), (212, 16693), (287, 16828), (292, 16837), (329, 16897), (331, 16900), (335, 16906), (376, 16978), (411, 17011), (486, 17086), (506, 17140), (517, 17161), (540, 17212), (558, 17254), (614, 17365), (615, 17368),

Gene: Bellris_25 Start: 18587, Stop: 19609, Start Num: 106

Candidate Starts for Bellris_25:

(Start: 106 @18587 has 240 MA's), (Start: 122 @18605 has 2 MA's), (147, 18641), (161, 18662), (173, 18680), (212, 18785), (287, 18932), (311, 18962), (331, 19004), (385, 19109), (407, 19154), (439, 19199), (466, 19250), (467, 19256), (470, 19265), (521, 19379), (544, 19430), (554, 19454), (558, 19466), (600, 19556),

Gene: Belphegor_32 Start: 29032, Stop: 30018, Start Num: 72

Candidate Starts for Belphegor_32:

(Start: 72 @29032 has 35 MA's), (180, 29191), (202, 29251), (254, 29347), (255, 29350), (317, 29458), (326, 29479), (379, 29581), (407, 29617), (518, 29809), (530, 29833), (532, 29839), (538, 29854), (556, 29905), (569, 29938), (570, 29941), (600, 30007),

Gene: Benedict_23 Start: 17968, Stop: 18981, Start Num: 114

Candidate Starts for Benedict_23:

(Start: 114 @17968 has 85 MA's), (186, 18097), (188, 18100), (199, 18139), (270, 18274), (282, 18304), (304, 18334), (311, 18340), (320, 18358), (331, 18382), (351, 18424), (558, 18838), (600, 18928),

Gene: BengiVuitton_28 Start: 19613, Stop: 20623, Start Num: 106

Candidate Starts for BengiVuitton_28:

(Start: 106 @19613 has 240 MA's), (173, 19706), (188, 19742), (199, 19781), (311, 19988), (329, 20027), (331, 20030), (455, 20258), (473, 20291), (521, 20393), (531, 20414), (554, 20468), (558, 20480), (600, 20570),

Gene: BennyP_30 Start: 18966, Stop: 19979, Start Num: 106

Candidate Starts for BennyP_30:

(Start: 106 @18966 has 240 MA's), (147, 19020), (173, 19059), (212, 19164), (287, 19311), (311, 19341), (329, 19380), (331, 19383), (353, 19428), (385, 19488), (495, 19686), (558, 19836), (561, 19845),

Gene: Benvolio_27 Start: 19279, Stop: 20295, Start Num: 106

Candidate Starts for Benvolio_27:

(Start: 106 @19279 has 240 MA's), (161, 19354), (173, 19372), (188, 19408), (199, 19447), (311, 19654), (329, 19693), (331, 19696), (521, 20065), (554, 20140), (558, 20152),

Gene: Bern_22 Start: 15975, Stop: 17111, Start Num: 31

Candidate Starts for Bern_22:

(Start: 31 @15975 has 231 MA's), (Start: 67 @16092 has 6 MA's), (154, 16203), (162, 16224), (178, 16251), (261, 16452), (293, 16506), (334, 16587), (372, 16662), (390, 16677), (476, 16788), (500, 16830), (539, 16923), (547, 16947), (584, 17040), (601, 17079), (608, 17097),

Gene: Bernal13_18 Start: 16018, Stop: 16983, Start Num: 93

Candidate Starts for Bernal13_18:

(Start: 93 @16018 has 8 MA's), (120, 16045), (130, 16063), (216, 16240), (217, 16243), (254, 16318), (287, 16384), (300, 16411), (329, 16468), (335, 16477), (506, 16714), (519, 16738), (561, 16837), (569, 16858), (578, 16879), (597, 16918), (601, 16927),

Gene: BetterKatz_21 Start: 16552, Stop: 17613, Start Num: 60

Candidate Starts for BetterKatz_21:

(Start: 60 @16552 has 18 MA's), (Start: 99 @16597 has 6 MA's), (124, 16627), (188, 16735), (245, 16885), (266, 16933), (310, 17017), (316, 17026), (335, 17068), (448, 17245), (468, 17278), (491, 17314), (567, 17509), (600, 17581), (601, 17584),

Gene: BiPauneto_43 Start: 28641, Stop: 29561, Start Num: 92

Candidate Starts for BiPauneto_43:

(Start: 92 @28641 has 11 MA's), (150, 28722), (174, 28767), (199, 28836), (287, 29004), (336, 29088), (361, 29139), (401, 29172), (527, 29370), (535, 29388), (558, 29430), (598, 29520), (600, 29526), (608, 29547),

Gene: BiancaTri92_29 Start: 20966, Stop: 21976, Start Num: 106

Candidate Starts for BiancaTri92_29:

(Start: 106 @20966 has 240 MA's), (161, 21041), (173, 21059), (188, 21095), (199, 21134), (287, 21311), (311, 21341), (329, 21380), (331, 21383), (455, 21611), (521, 21746), (554, 21821), (558, 21833), (600, 21923),

Gene: Bibwit_33 Start: 29511, Stop: 30467, Start Num: 85

Candidate Starts for Bibwit_33:

(Start: 85 @29511 has 58 MA's), (194, 29697), (197, 29709), (209, 29736), (319, 29907), (336, 29943), (352, 29976), (360, 29991), (367, 30003), (392, 30033), (396, 30039), (438, 30099), (500, 30189), (541, 30279), (552, 30303), (556, 30315), (584, 30381), (606, 30432),

Gene: BigCheese_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for BigCheese_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: BigChungus_16 Start: 14508, Stop: 15464, Start Num: 110

Candidate Starts for BigChungus_16:

(Start: 110 @14508 has 84 MA's), (143, 14553), (173, 14610), (183, 14637), (202, 14691), (213, 14718), (247, 14769), (249, 14772), (252, 14778), (254, 14781), (281, 14835), (291, 14850), (320, 14895), (331, 14919), (371, 14985), (438, 15081), (540, 15267), (553, 15297), (556, 15306), (566, 15330), (579, 15363), (616, 15450), (618, 15456),

Gene: BigHunkinEater_36 Start: 29015, Stop: 29992, Start Num: 72

Candidate Starts for BigHunkinEater_36:

(Start: 72 @29015 has 35 MA's), (135, 29090), (144, 29102), (161, 29138), (180, 29174), (216, 29276), (254, 29330), (287, 29402), (328, 29465), (332, 29474), (359, 29531), (379, 29564), (405, 29597), (407, 29600), (445, 29657), (502, 29753), (514, 29786), (520, 29795), (532, 29816), (543, 29843), (550, 29864), (554, 29873), (556, 29879), (569, 29912), (570, 29915), (594, 29969), (600, 29981),

Gene: Binglebops_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Binglebops_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: BillDoor_19 Start: 14397, Stop: 15368, Start Num: 110

Candidate Starts for BillDoor_19:

(Start: 110 @14397 has 84 MA's), (143, 14442), (155, 14463), (161, 14478), (173, 14499), (192, 14550), (202, 14580), (213, 14607), (247, 14658), (252, 14667), (254, 14670), (281, 14724), (288, 14736), (320, 14784), (371, 14874), (402, 14925), (419, 14955), (438, 14985), (445, 15003), (504, 15099), (511, 15117), (539, 15168), (540, 15171), (553, 15201), (556, 15210), (561, 15225), (587, 15282), (608, 15330), (616, 15354), (618, 15360),

Gene: Bipper_23 Start: 18745, Stop: 19743, Start Num: 50

Candidate Starts for Bipper_23:

(Start: 50 @18745 has 6 MA's), (Start: 99 @18811 has 6 MA's), (108, 18820), (154, 18883), (161, 18901), (163, 18907), (214, 19030), (230, 19057), (231, 19060), (244, 19081), (299, 19183), (305, 19192), (319, 19219), (351, 19294), (399, 19336), (414, 19363), (465, 19408), (476, 19432), (477, 19435), (502, 19477), (522, 19525), (527, 19534), (543, 19576), (548, 19588), (569, 19645), (601, 19714),

Gene: Biskit_18 Start: 14412, Stop: 15383, Start Num: 110

Candidate Starts for Biskit_18:

(Start: 110 @14412 has 84 MA's), (143, 14457), (155, 14478), (183, 14541), (192, 14565), (202, 14595), (247, 14673), (252, 14682), (254, 14685), (288, 14751), (320, 14799), (344, 14841), (360, 14871), (371, 14889), (402, 14940), (438, 15000), (443, 15015), (445, 15018), (457, 15042), (504, 15114), (511, 15132), (539, 15183), (540, 15186), (553, 15216), (556, 15225), (561, 15240), (587, 15297), (608, 15345), (616, 15369), (618, 15375),

Gene: Bizzy_34 Start: 28919, Stop: 29875, Start Num: 85

Candidate Starts for Bizzy_34:

(Start: 85 @28919 has 58 MA's), (183, 29075), (194, 29105), (197, 29117), (202, 29129), (209, 29144), (213, 29156), (319, 29315), (336, 29351), (367, 29411), (396, 29447), (438, 29507), (500, 29597), (541, 29687), (552, 29711), (556, 29723), (584, 29789), (591, 29804), (602, 29828), (606, 29840),

Gene: Blackbeetle_49 Start: 25756, Stop: 26718, Start Num: 103

Candidate Starts for Blackbeetle_49:

(Start: 103 @25756 has 86 MA's), (183, 25888), (192, 25912), (196, 25921), (198, 25927), (202, 25936), (212, 25960), (214, 25969), (219, 25981), (224, 25993), (280, 26107), (324, 26188), (331, 26203), (335, 26209), (411, 26317), (505, 26443), (507, 26449), (577, 26599), (581, 26605), (588, 26617), (590, 26620), (621, 26707), (623, 26710), (624, 26713),

Gene: Blarby_19 Start: 13331, Stop: 14263, Start Num: 101

Candidate Starts for Blarby_19:

(Start: 101 @13331 has 12 MA's), (173, 13442), (Start: 211 @13541 has 1 MA's), (213, 13547), (218, 13562), (249, 13604), (293, 13682), (315, 13700), (349, 13766), (386, 13823), (419, 13862), (438, 13892), (443, 13907), (445, 13910), (462, 13931), (498, 13976), (504, 13997), (505, 14000), (527, 14036), (539, 14063), (540, 14066), (558, 14105), (566, 14123), (584, 14165), (598, 14195), (599, 14198), (601, 14204), (603, 14210),

Gene: BlessJoy_30 Start: 18958, Stop: 19974, Start Num: 106

Candidate Starts for BlessJoy_30:

(Start: 106 @18958 has 240 MA's), (Start: 122 @18976 has 2 MA's), (147, 19012), (173, 19051), (212, 19156), (311, 19333), (329, 19372), (331, 19375), (377, 19462), (385, 19483), (455, 19609), (495, 19681), (558, 19831), (561, 19840), (600, 19921),

Gene: BlingBling_18 Start: 15793, Stop: 16653, Start Num: 73

Candidate Starts for BlingBling_18:

(Start: 67 @15787 has 6 MA's), (Start: 73 @15793 has 29 MA's), (183, 15949), (213, 16030), (275, 16129), (334, 16237), (398, 16321), (465, 16393), (538, 16522), (547, 16549), (553, 16564),

Gene: Blinn1_30 Start: 19032, Stop: 20045, Start Num: 106

Candidate Starts for Blinn1_30:

(Start: 106 @19032 has 240 MA's), (147, 19086), (173, 19125), (188, 19161), (212, 19230), (287, 19377), (311, 19407), (329, 19446), (331, 19449), (353, 19494), (385, 19554), (455, 19680), (495, 19752), (558, 19902), (561, 19911),

Gene: Blino_18 Start: 15761, Stop: 16621, Start Num: 73

Candidate Starts for Blino_18:

(Start: 67 @15755 has 6 MA's), (Start: 73 @15761 has 29 MA's), (183, 15917), (213, 15998), (275, 16097), (334, 16205), (398, 16289), (461, 16355), (465, 16361), (538, 16490), (553, 16532),

Gene: Blizzard_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Blizzard_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Blondies_18 Start: 14395, Stop: 15366, Start Num: 110

Candidate Starts for Blondies_18:

(Start: 110 @14395 has 84 MA's), (143, 14440), (155, 14461), (183, 14524), (192, 14548), (202, 14578), (247, 14656), (252, 14665), (254, 14668), (288, 14734), (320, 14782), (344, 14824), (360, 14854), (371, 14872), (402, 14923), (438, 14983), (443, 14998), (445, 15001), (457, 15025), (504, 15097), (511, 15115), (539, 15166), (540, 15169), (553, 15199), (556, 15208), (561, 15223), (587, 15280), (608, 15328), (616, 15352), (618, 15358),

Gene: BloominB_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for BloominB_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Blue7_30 Start: 18950, Stop: 19966, Start Num: 106

Candidate Starts for Blue7_30:

(Start: 106 @18950 has 240 MA's), (Start: 122 @18968 has 2 MA's), (147, 19004), (173, 19043), (212, 19148), (311, 19325), (329, 19364), (331, 19367), (377, 19454), (385, 19475), (455, 19601), (495, 19673), (558, 19823), (561, 19832), (600, 19913),

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

Candidate Starts for BlueNGold_99:

(Start: 84 @59080 has 6 MA's), (Start: 97 @59095 has 2 MA's), (Start: 103 @59101 has 86 MA's), (Start: 109 @59107 has 16 MA's), (177, 59224), (178, 59227), (196, 59278), (210, 59314), (282,

59449), (313, 59485), (326, 59515), (480, 59767), (502, 59812), (512, 59842), (516, 59848), (532, 59875), (547, 59914), (573, 59983),

Gene: Blueberry_20 Start: 16105, Stop: 16965, Start Num: 70

Candidate Starts for Blueberry_20:

(Start: 70 @16105 has 25 MA's), (Start: 93 @16120 has 8 MA's), (164, 16222), (183, 16261), (213, 16342), (267, 16426), (275, 16441), (334, 16549), (398, 16633), (461, 16699), (465, 16705), (494, 16744), (538, 16834), (553, 16876),

Gene: Bluefalcon_22 Start: 18724, Stop: 19737, Start Num: 114

Candidate Starts for Bluefalcon_22:

(Start: 114 @18724 has 85 MA's), (173, 18820), (186, 18853), (188, 18856), (199, 18895), (217, 18943), (311, 19096), (320, 19114), (331, 19138), (351, 19180), (511, 19492), (558, 19594), (569, 19621),

Gene: BobBob_31 Start: 28792, Stop: 29748, Start Num: 85

Candidate Starts for BobBob_31:

(Start: 85 @28792 has 58 MA's), (194, 28978), (197, 28990), (209, 29017), (215, 29038), (255, 29098), (319, 29188), (336, 29224), (352, 29257), (360, 29272), (367, 29284), (392, 29314), (396, 29320), (438, 29380), (500, 29470), (541, 29560), (552, 29584), (556, 29596), (584, 29662), (591, 29677), (602, 29701), (606, 29713), (617, 29743),

Gene: BobSwaget_30 Start: 20811, Stop: 21821, Start Num: 106

Candidate Starts for BobSwaget_30:

(Start: 106 @20811 has 240 MA's), (173, 20904), (188, 20940), (199, 20979), (311, 21186), (329, 21225), (331, 21228), (353, 21273), (401, 21363), (455, 21456), (473, 21489), (521, 21591), (554, 21666), (558, 21678), (600, 21768),

Gene: BobbyDazzler_22 Start: 15525, Stop: 16397, Start Num: 114

Candidate Starts for BobbyDazzler_22:

(Start: 114 @15525 has 85 MA's), (140, 15564), (183, 15645), (186, 15651), (Start: 211 @15720 has 1 MA's), (254, 15798), (267, 15825), (331, 15936), (409, 16032), (521, 16161), (530, 16179), (558, 16248), (615, 16386),

Gene: Bobquesha_24 Start: 17234, Stop: 18367, Start Num: 31

Candidate Starts for Bobquesha_24:

(Start: 31 @17234 has 231 MA's), (38, 17252), (54, 17324), (Start: 67 @17354 has 6 MA's), (140, 17444), (147, 17453), (162, 17486), (177, 17510), (215, 17615), (293, 17768), (331, 17837), (333, 17843), (433, 17996), (461, 18014), (476, 18044), (500, 18086), (501, 18089), (575, 18281), (584, 18296), (601, 18335), (608, 18353),

Gene: BobsGarage_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for BobsGarage_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Bock_21 Start: 16302, Stop: 17363, Start Num: 60

Candidate Starts for Bock_21:

(Start: 60 @16302 has 18 MA's), (Start: 99 @16347 has 6 MA's), (124, 16377), (180, 16470), (188, 16485), (245, 16635), (266, 16683), (310, 16767), (316, 16776), (335, 16818), (448, 16995), (468, 17028), (491, 17064), (567, 17259), (600, 17331), (601, 17334),

Gene: BogosyJay_28 Start: 20290, Stop: 21312, Start Num: 106

Candidate Starts for BogosyJay_28:

(Start: 106 @20290 has 240 MA's), (Start: 122 @20308 has 2 MA's), (161, 20365), (173, 20383), (188, 20419), (270, 20599), (287, 20635), (311, 20665), (331, 20707), (415, 20866), (466, 20953), (558, 21169), (568, 21193),

Gene: Boiiii_22 Start: 16053, Stop: 17189, Start Num: 31

Candidate Starts for Boiiii_22:

(Start: 31 @16053 has 231 MA's), (Start: 67 @16170 has 6 MA's), (140, 16260), (154, 16281), (162, 16302), (178, 16329), (293, 16584), (334, 16665), (372, 16740), (390, 16755), (476, 16866), (500, 16908), (539, 17001), (547, 17025), (584, 17118), (601, 17157), (608, 17175),

Gene: Boilgate_19 Start: 16429, Stop: 17568, Start Num: 29

Candidate Starts for Boilgate_19:

(Start: 29 @16429 has 1 MA's), (38, 16453), (54, 16525), (Start: 67 @16555 has 6 MA's), (Start: 73 @16561 has 29 MA's), (121, 16618), (161, 16684), (162, 16687), (177, 16711), (184, 16729), (197, 16768), (213, 16807), (214, 16813), (226, 16846), (261, 16915), (293, 16969), (320, 17017), (329, 17035), (331, 17038), (333, 17044), (465, 17221), (476, 17245), (500, 17287), (501, 17290), (510, 17320), (522, 17341), (539, 17380), (543, 17392), (544, 17395), (575, 17482), (584, 17497), (601, 17536), (608, 17554),

Gene: Bonamassa_23 Start: 18648, Stop: 19661, Start Num: 114

Candidate Starts for Bonamassa_23:

(Start: 114 @18648 has 85 MA's), (173, 18744), (186, 18777), (188, 18780), (270, 18954), (304, 19014), (311, 19020), (320, 19038), (331, 19062), (351, 19104), (511, 19416), (558, 19518), (600, 19608),

Gene: Bonanza_22 Start: 15454, Stop: 16326, Start Num: 114

Candidate Starts for Bonanza_22:

(Start: 114 @15454 has 85 MA's), (140, 15493), (183, 15574), (186, 15580), (Start: 211 @15649 has 1 MA's), (254, 15727), (267, 15754), (331, 15865), (409, 15961), (521, 16090), (530, 16108), (558, 16177), (615, 16315),

Gene: Bongo_27 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for Bongo_27:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: Bonum_43 Start: 29225, Stop: 30142, Start Num: 89

Candidate Starts for Bonum_43:

(Start: 89 @29225 has 16 MA's), (150, 29306), (169, 29342), (240, 29489), (361, 29723), (398, 29750), (430, 29801), (500, 29894), (558, 30011), (600, 30107), (602, 30113), (608, 30128),

Gene: Boohoo_29 Start: 18122, Stop: 19099, Start Num: 110

Candidate Starts for Boohoo_29:

(Start: 110 @18122 has 84 MA's), (183, 18236), (186, 18242), (188, 18245), (297, 18479), (452, 18746), (493, 18800), (558, 18956),

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

Candidate Starts for Boopy_100:

(Start: 84 @59092 has 6 MA's), (Start: 97 @59107 has 2 MA's), (Start: 103 @59113 has 86 MA's), (Start: 109 @59119 has 16 MA's), (177, 59236), (178, 59239), (196, 59290), (210, 59326), (282,

59461), (313, 59497), (326, 59527), (480, 59779), (502, 59824), (512, 59854), (516, 59860), (532, 59887), (547, 59926), (573, 59995),

Gene: BoostSeason_18 Start: 13915, Stop: 15042, Start Num: 33

Candidate Starts for BoostSeason_18:

(Start: 33 @13915 has 11 MA's), (38, 13924), (Start: 67 @14026 has 6 MA's), (140, 14116), (162, 14158), (178, 14185), (213, 14278), (214, 14284), (244, 14347), (261, 14386), (293, 14440), (333, 14518), (355, 14569), (370, 14593), (433, 14671), (461, 14689), (476, 14719), (500, 14761), (501, 14764), (547, 14878), (575, 14956), (584, 14971), (601, 15010), (608, 15028),

Gene: BotCity_19 Start: 15506, Stop: 16429, Start Num: 112

Candidate Starts for BotCity_19:

(Start: 112 @15506 has 15 MA's), (Start: 117 @15509 has 6 MA's), (125, 15521), (139, 15539), (163, 15584), (183, 15623), (197, 15662), (Start: 211 @15695 has 1 MA's), (213, 15701), (252, 15770), (281, 15824), (283, 15827), (286, 15830), (293, 15842), (320, 15872), (328, 15890), (360, 15944), (367, 15956), (371, 15962), (388, 15983), (424, 16031), (438, 16055), (443, 16070), (445, 16073), (462, 16094), (539, 16226), (540, 16229), (543, 16235), (558, 16268), (566, 16286), (579, 16319), (603, 16370), (609, 16385), (622, 16421),

Gene: BourbonZero_17 Start: 16488, Stop: 17378, Start Num: 103

Candidate Starts for BourbonZero_17:

(Start: 103 @16488 has 86 MA's), (125, 16512), (155, 16557), (161, 16572), (174, 16593), (212, 16689), (214, 16698), (287, 16824), (292, 16833), (329, 16893), (331, 16896), (335, 16902), (376, 16974), (411, 17007), (429, 17019), (486, 17082), (517, 17157), (540, 17208), (558, 17250), (614, 17361), (615, 17364),

Gene: Bowser_18 Start: 15695, Stop: 16621, Start Num: 106

Candidate Starts for Bowser_18:

(13, 15356), (18, 15431), (86, 15677), (Start: 106 @15695 has 240 MA's), (Start: 117 @15704 has 6 MA's), (147, 15746), (Start: 151 @15758 has 1 MA's), (259, 15980), (283, 16025), (299, 16049), (313, 16055), (317, 16064), (320, 16070), (335, 16100), (353, 16130), (371, 16160), (375, 16166), (421, 16226), (424, 16229), (438, 16253), (486, 16310), (496, 16331), (527, 16397), (558, 16466), (581, 16520), (616, 16604),

Gene: Bowtie_27 Start: 19736, Stop: 20758, Start Num: 106

Candidate Starts for Bowtie_27:

(Start: 106 @19736 has 240 MA's), (147, 19793), (183, 19868), (242, 19997), (270, 20057), (304, 20117), (311, 20123), (331, 20165), (353, 20210), (355, 20216), (401, 20300), (426, 20333), (558, 20615), (561, 20624), (568, 20639), (600, 20705),

Gene: Bradman_26 Start: 18067, Stop: 19077, Start Num: 106

Candidate Starts for Bradman_26:

(Start: 106 @18067 has 240 MA's), (147, 18121), (161, 18142), (173, 18160), (199, 18235), (311, 18442), (329, 18481), (331, 18484), (353, 18529), (455, 18712), (473, 18745), (521, 18847), (558, 18934), (600, 19024),

Gene: Bradshaw_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Bradshaw_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: BrainDrainer_18 Start: 15831, Stop: 16718, Start Num: 103

Candidate Starts for BrainDrainer_18:

(Start: 103 @15831 has 86 MA's), (125, 15855), (145, 15882), (147, 15885), (155, 15900), (174, 15933), (212, 16029), (287, 16164), (292, 16173), (329, 16233), (331, 16236), (376, 16314), (401, 16329), (425, 16353), (450, 16386), (486, 16422), (497, 16446), (503, 16464), (505, 16473), (527, 16515), (538, 16542), (558, 16590), (571, 16617), (614, 16701),

Gene: Brandonk123_35 Start: 29858, Stop: 30814, Start Num: 85

Candidate Starts for Brandonk123_35:

(Start: 85 @29858 has 58 MA's), (194, 30044), (197, 30056), (209, 30083), (215, 30104), (255, 30164), (319, 30254), (336, 30290), (352, 30323), (360, 30338), (367, 30350), (392, 30380), (396, 30386), (438, 30446), (500, 30536), (541, 30626), (552, 30650), (556, 30662), (584, 30728), (602, 30767), (606, 30779),

Gene: Brawn1_30 Start: 28666, Stop: 29622, Start Num: 85

Candidate Starts for Brawn1_30:

(Start: 85 @28666 has 58 MA's), (194, 28852), (197, 28864), (209, 28891), (215, 28912), (255, 28972), (319, 29062), (336, 29098), (352, 29131), (360, 29146), (367, 29158), (392, 29188), (396, 29194), (438, 29254), (500, 29344), (541, 29434), (552, 29458), (556, 29470), (584, 29536), (606, 29587),

Gene: Braxoaddie_44 Start: 30405, Stop: 31331, Start Num: 85

Candidate Starts for Braxoaddie_44:

(Start: 85 @30405 has 58 MA's), (Start: 122 @30441 has 2 MA's), (188, 30558), (199, 30597), (208, 30615), (240, 30666), (287, 30765), (331, 30840), (336, 30849), (377, 30924), (401, 30945), (500, 31083), (513, 31119), (534, 31158), (558, 31200), (587, 31263), (600, 31296),

Gene: Breezona_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Breezona_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Bricole_27 Start: 21443, Stop: 22354, Start Num: 96

Candidate Starts for Bricole_27:

(Start: 96 @21443 has 21 MA's), (167, 21545), (177, 21563), (183, 21578), (212, 21650), (214, 21659), (260, 21737), (328, 21872), (329, 21875), (331, 21878), (368, 21947), (411, 21989), (425, 21995), (515, 22136), (527, 22157), (532, 22169), (596, 22292), (601, 22304),

Gene: Bromden_18 Start: 16160, Stop: 17047, Start Num: 103

Candidate Starts for Bromden_18:

(Start: 103 @16160 has 86 MA's), (125, 16184), (145, 16211), (147, 16214), (155, 16229), (174, 16262), (212, 16358), (287, 16493), (292, 16502), (331, 16565), (376, 16643), (401, 16658), (425, 16682), (486, 16751), (497, 16775), (503, 16793), (506, 16805), (538, 16871), (558, 16919), (571, 16946), (614, 17030),

Gene: BruceB_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for BruceB_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: BruceLethal_15 Start: 11290, Stop: 12237, Start Num: 83

Candidate Starts for BruceLethal_15:

(74, 11275), (Start: 79 @11281 has 1 MA's), (Start: 83 @11290 has 44 MA's), (Start: 110 @11323 has 84 MA's), (126, 11341), (129, 11344), (135, 11350), (149, 11374), (154, 11383), (166, 11413), (174, 11431), (177, 11440), (194, 11485), (206, 11515), (Start: 211 @11530 has 1 MA's), (214, 11542), (216, 11548), (242, 11596), (249, 11614), (262, 11641), (267, 11650), (270, 11656), (280, 11683), (294, 11707), (329, 11758), (335, 11767), (367, 11830), (375, 11842), (406, 11884), (408, 11887), (410, 11890), (441, 11941), (447, 11956), (458, 11977), (479, 11992), (489, 12007), (492, 12013), (521, 12085), (522, 12088), (531, 12106), (532, 12109), (536, 12118), (554, 12166), (558, 12178), (561, 12187), (567, 12202), (569, 12208), (574, 12223),

Gene: BrutonGaster_35 Start: 25054, Stop: 25935, Start Num: 76

Candidate Starts for BrutonGaster_35:

(53, 25015), (61, 25036), (Start: 76 @25054 has 13 MA's), (119, 25102), (179, 25201), (241, 25333), (305, 25444), (333, 25498), (343, 25522), (350, 25537), (433, 25633), (476, 25681), (494, 25699), (553, 25846), (570, 25894), (571, 25897),

Gene: Bryce_22 Start: 15454, Stop: 16326, Start Num: 114

Candidate Starts for Bryce_22:

(Start: 114 @15454 has 85 MA's), (140, 15493), (183, 15574), (186, 15580), (Start: 211 @15649 has 1 MA's), (254, 15727), (267, 15754), (331, 15865), (409, 15961), (521, 16090), (530, 16108), (554, 16165), (558, 16177), (615, 16315),

Gene: Bryler_21 Start: 15211, Stop: 16350, Start Num: 31

Candidate Starts for Bryler_21:

(Start: 31 @15211 has 231 MA's), (Start: 67 @15331 has 6 MA's), (140, 15421), (178, 15490), (261, 15691), (390, 15916), (431, 15976), (461, 15997), (500, 16069), (501, 16072), (502, 16075), (539, 16162), (547, 16186), (575, 16264), (584, 16279), (601, 16318), (608, 16336),

Gene: Brylie_21 Start: 16293, Stop: 17354, Start Num: 60

Candidate Starts for Brylie_21:

(Start: 60 @16293 has 18 MA's), (Start: 99 @16338 has 6 MA's), (124, 16368), (188, 16476), (245, 16626), (266, 16674), (310, 16758), (316, 16767), (335, 16809), (448, 16986), (468, 17019), (491, 17055), (567, 17250), (600, 17322), (601, 17325),

Gene: Bubble_17 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Bubble_17:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Bud_27 Start: 19742, Stop: 20764, Start Num: 106

Candidate Starts for Bud_27:

(Start: 106 @19742 has 240 MA's), (147, 19799), (183, 19874), (242, 20003), (270, 20063), (304, 20123), (311, 20129), (331, 20171), (353, 20216), (355, 20222), (401, 20306), (426, 20339), (558, 20621), (561, 20630), (568, 20645), (600, 20711),

Gene: Budski_19 Start: 15501, Stop: 16424, Start Num: 112

Candidate Starts for Budski_19:

(Start: 112 @15501 has 15 MA's), (Start: 117 @15504 has 6 MA's), (125, 15516), (139, 15534), (163, 15579), (183, 15618), (197, 15657), (Start: 211 @15690 has 1 MA's), (213, 15696), (252, 15765), (281, 15819), (283, 15822), (286, 15825), (293, 15837), (315, 15855), (317, 15861), (320, 15867), (328,

15885), (360, 15939), (367, 15951), (371, 15957), (388, 15978), (424, 16026), (435, 16044), (438, 16050), (443, 16065), (445, 16068), (539, 16221), (540, 16224), (543, 16230), (558, 16263), (566, 16281), (579, 16314), (603, 16365), (609, 16380), (622, 16416),

Gene: Buggaboo_41 Start: 29704, Stop: 30621, Start Num: 89

Candidate Starts for Buggaboo_41:

(Start: 89 @29704 has 16 MA's), (150, 29785), (169, 29821), (206, 29911), (240, 29968), (361, 30202), (398, 30229), (430, 30280), (500, 30373), (558, 30490), (600, 30586), (602, 30592), (608, 30607),

Gene: Bugsy_29 Start: 19683, Stop: 20699, Start Num: 106

Candidate Starts for Bugsy_29:

(Start: 106 @19683 has 240 MA's), (161, 19758), (173, 19776), (188, 19812), (199, 19851), (311, 20058), (329, 20097), (331, 20100), (377, 20187), (473, 20367), (521, 20469), (554, 20544), (558, 20556),

Gene: Bunker_18 Start: 15822, Stop: 16751, Start Num: 106

Candidate Starts for Bunker_18:

(21, 15585), (86, 15801), (Start: 106 @15822 has 240 MA's), (Start: 117 @15831 has 6 MA's), (147, 15873), (Start: 151 @15885 has 1 MA's), (259, 16107), (283, 16152), (299, 16176), (313, 16182), (317, 16191), (320, 16197), (335, 16227), (353, 16257), (371, 16287), (375, 16293), (424, 16356), (438, 16380), (486, 16437), (496, 16458), (527, 16524), (558, 16593), (616, 16731),

Gene: Burnsey_17 Start: 14765, Stop: 15736, Start Num: 110

Candidate Starts for Burnsey_17:

(Start: 110 @14765 has 84 MA's), (143, 14810), (155, 14831), (183, 14894), (192, 14918), (202, 14948), (216, 14987), (247, 15026), (252, 15035), (254, 15038), (288, 15104), (320, 15152), (344, 15194), (371, 15242), (402, 15293), (438, 15353), (443, 15368), (445, 15371), (454, 15389), (457, 15395), (496, 15440), (504, 15467), (511, 15485), (540, 15539), (553, 15569), (556, 15578), (561, 15593), (587, 15650), (608, 15698), (616, 15722), (618, 15728),

Gene: Button_18 Start: 13831, Stop: 14790, Start Num: 110

Candidate Starts for Button_18:

(Start: 110 @13831 has 84 MA's), (145, 13879), (147, 13882), (183, 13960), (214, 14047), (252, 14101), (291, 14173), (303, 14197), (320, 14218), (371, 14308), (390, 14323), (396, 14338), (438, 14410), (496, 14497), (539, 14590), (540, 14593), (553, 14623), (556, 14632), (566, 14656), (579, 14689), (584, 14698), (587, 14704), (609, 14755), (616, 14776), (618, 14782),

Gene: Buttrmlkdreams_17 Start: 14394, Stop: 15365, Start Num: 110

Candidate Starts for Buttrmlkdreams_17:

(Start: 110 @14394 has 84 MA's), (143, 14439), (155, 14460), (183, 14523), (192, 14547), (202, 14577), (247, 14655), (252, 14664), (254, 14667), (288, 14733), (320, 14781), (344, 14823), (360, 14853), (371, 14871), (402, 14922), (438, 14982), (443, 14997), (445, 15000), (457, 15024), (504, 15096), (511, 15114), (539, 15165), (540, 15168), (553, 15198), (556, 15207), (561, 15222), (587, 15279), (608, 15327), (616, 15351), (618, 15357),

Gene: C3_25 Start: 19185, Stop: 20195, Start Num: 106

Candidate Starts for C3_25:

(Start: 106 @19185 has 240 MA's), (147, 19239), (161, 19260), (173, 19278), (247, 19449), (311, 19560), (329, 19599), (331, 19602), (353, 19647), (401, 19737), (511, 19950), (521, 19965), (554, 20040), (558, 20052), (568, 20076), (600, 20142),

Gene: C3PO_30 Start: 27616, Stop: 28482, Start Num: 72

Candidate Starts for C3PO_30:

(Start: 72 @27616 has 35 MA's), (88, 27640), (128, 27685), (161, 27745), (181, 27784), (216, 27880), (313, 28042), (328, 28075), (398, 28150), (411, 28174), (505, 28249), (537, 28315), (558, 28351), (569, 28378), (596, 28435),

Gene: CLED96_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for CLED96_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: CRB1_27 Start: 19176, Stop: 20186, Start Num: 106

Candidate Starts for CRB1_27:

(Start: 106 @19176 has 240 MA's), (147, 19230), (173, 19269), (199, 19344), (270, 19485), (311, 19551), (329, 19590), (331, 19593), (455, 19821), (521, 19956), (531, 19977), (554, 20031), (558, 20043), (600, 20133),

Gene: CREW_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for CREW_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Cafasso_18 Start: 15643, Stop: 16551, Start Num: 99

Candidate Starts for Cafasso_18:

(7, 15190), (Start: 99 @15643 has 6 MA's), (Start: 122 @15670 has 2 MA's), (145, 15703), (193, 15805), (203, 15832), (212, 15856), (270, 15958), (287, 15991), (302, 16021), (328, 16057), (331, 16063), (336, 16072), (377, 16150), (411, 16180), (425, 16186), (434, 16201), (501, 16306), (532, 16372), (573, 16471), (598, 16504), (612, 16540),

Gene: Cain_21 Start: 15199, Stop: 16338, Start Num: 31

Candidate Starts for Cain_21:

(Start: 31 @15199 has 231 MA's), (Start: 67 @15319 has 6 MA's), (140, 15409), (178, 15478), (261, 15679), (390, 15904), (431, 15964), (461, 15985), (500, 16057), (501, 16060), (502, 16063), (539, 16150), (547, 16174), (575, 16252), (584, 16267), (601, 16306), (608, 16324),

Gene: Caitlin_22 Start: 17633, Stop: 18655, Start Num: 114

Candidate Starts for Caitlin_22:

(Start: 114 @17633 has 85 MA's), (183, 17756), (186, 17762), (212, 17834), (270, 17939), (280, 17966), (331, 18056), (440, 18257), (454, 18287), (455, 18290), (554, 18500), (569, 18539), (592, 18587), (600, 18602),

Gene: CallaLilly_22 Start: 15974, Stop: 17110, Start Num: 31

Candidate Starts for CallaLilly_22:

(Start: 31 @15974 has 231 MA's), (Start: 67 @16091 has 6 MA's), (140, 16181), (154, 16202), (162, 16223), (178, 16250), (293, 16505), (334, 16586), (372, 16661), (390, 16676), (476, 16787), (500, 16829), (539, 16922), (547, 16946), (584, 17039), (601, 17078), (608, 17096),

Gene: Calm_17 Start: 15861, Stop: 16760, Start Num: 89

Candidate Starts for Calm_17:

(Start: 89 @15861 has 16 MA's), (Start: 103 @15879 has 86 MA's), (125, 15903), (147, 15933), (155, 15948), (174, 15981), (246, 16125), (282, 16206), (329, 16281), (331, 16284), (335, 16290), (355,

16335), (376, 16362), (411, 16395), (425, 16401), (450, 16434), (455, 16443), (486, 16470), (538, 16590), (558, 16638), (598, 16704), (601, 16710), (614, 16749),

Gene: Cambiare_18 Start: 16198, Stop: 17379, Start Num: 32

Candidate Starts for Cambiare_18:

(Start: 32 @16198 has 2 MA's), (Start: 67 @16327 has 6 MA's), (Start: 84 @16345 has 6 MA's), (124, 16396), (140, 16420), (162, 16462), (163, 16465), (177, 16486), (180, 16495), (194, 16531), (208, 16567), (210, 16573), (215, 16591), (240, 16642), (314, 16777), (338, 16831), (368, 16891), (476, 17056), (500, 17098), (534, 17176), (567, 17272), (568, 17275), (599, 17341),

Gene: Camri_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Camri_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Candra_30 Start: 19002, Stop: 20015, Start Num: 106

Candidate Starts for Candra_30:

(Start: 106 @19002 has 240 MA's), (147, 19056), (173, 19095), (212, 19200), (287, 19347), (311, 19377), (329, 19416), (331, 19419), (353, 19464), (385, 19524), (495, 19722), (558, 19872), (561, 19881), (600, 19962),

Gene: CanesSauce_17 Start: 14430, Stop: 15401, Start Num: 110

Candidate Starts for CanesSauce_17:

(Start: 110 @14430 has 84 MA's), (143, 14475), (155, 14496), (161, 14511), (173, 14532), (192, 14583), (202, 14613), (213, 14640), (247, 14691), (252, 14700), (254, 14703), (281, 14757), (288, 14769), (320, 14817), (334, 14844), (371, 14907), (402, 14958), (419, 14988), (438, 15018), (445, 15036), (504, 15132), (511, 15150), (539, 15201), (540, 15204), (553, 15234), (556, 15243), (561, 15258), (587, 15315), (608, 15363), (616, 15387), (618, 15393),

Gene: Caprice_46 Start: 25826, Stop: 26788, Start Num: 103

Candidate Starts for Caprice_46:

(Start: 103 @25826 has 86 MA's), (183, 25958), (192, 25982), (196, 25991), (198, 25997), (202, 26006), (212, 26030), (214, 26039), (219, 26051), (280, 26177), (324, 26258), (331, 26273), (335, 26279), (411, 26387), (505, 26513), (507, 26519), (544, 26594), (577, 26669), (581, 26675), (588, 26687), (590, 26690), (621, 26777), (623, 26780), (624, 26783),

Gene: Capricorn_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Capricorn_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: CaptainKirk2_18 Start: 15817, Stop: 16677, Start Num: 73

Candidate Starts for CaptainKirk2_18:

(Start: 67 @15811 has 6 MA's), (Start: 73 @15817 has 29 MA's), (183, 15973), (213, 16054), (275, 16153), (334, 16261), (398, 16345), (461, 16411), (494, 16456), (538, 16546), (553, 16588),

Gene: CaramellLatte_17 Start: 14430, Stop: 15401, Start Num: 110

Candidate Starts for CaramellLatte_17:

(Start: 110 @14430 has 84 MA's), (143, 14475), (155, 14496), (161, 14511), (173, 14532), (192, 14583), (202, 14613), (213, 14640), (247, 14691), (252, 14700), (254, 14703), (281, 14757), (288, 14769), (320, 14817), (334, 14844), (371, 14907), (402, 14958), (419, 14988), (438, 15018), (445, 15036), (504, 15132), (511, 15150), (539, 15201), (540, 15204), (553, 15234), (556, 15243), (561, 15258), (587, 15315), (608, 15363), (616, 15387), (618, 15393),

Gene: Caraxes_26 Start: 17822, Stop: 18838, Start Num: 106

Candidate Starts for Caraxes_26:

(Start: 106 @17822 has 240 MA's), (171, 17915), (176, 17930), (188, 17957), (311, 18203), (329, 18242), (331, 18245), (353, 18290), (401, 18380), (455, 18473), (473, 18506), (521, 18608), (544, 18659), (554, 18683), (558, 18695), (568, 18719), (600, 18785),

Gene: Cardigan_46 Start: 29891, Stop: 30787, Start Num: 65

Candidate Starts for Cardigan_46:

(Start: 65 @29891 has 2 MA's), (140, 29978), (177, 30044), (183, 30059), (273, 30236), (305, 30293), (333, 30347), (343, 30371), (420, 30470), (433, 30488), (476, 30536), (494, 30554), (502, 30578), (570, 30746),

Gene: CarolAnn_18 Start: 15760, Stop: 16620, Start Num: 73

Candidate Starts for CarolAnn_18:

(Start: 67 @15754 has 6 MA's), (Start: 73 @15760 has 29 MA's), (183, 15916), (213, 15997), (275, 16096), (334, 16204), (398, 16288), (461, 16354), (465, 16360), (538, 16489), (553, 16531),

Gene: Carsonalex_18 Start: 14822, Stop: 15793, Start Num: 110

Candidate Starts for Carsonalex_18:

(Start: 110 @14822 has 84 MA's), (143, 14867), (155, 14888), (183, 14951), (192, 14975), (202, 15005), (216, 15044), (247, 15083), (252, 15092), (254, 15095), (288, 15161), (320, 15209), (344, 15251), (371, 15299), (402, 15350), (438, 15410), (443, 15425), (445, 15428), (454, 15446), (457, 15452), (496, 15497), (504, 15524), (511, 15542), (539, 15593), (540, 15596), (553, 15626), (556, 15635), (561, 15650), (587, 15707), (608, 15755), (616, 15779), (618, 15785),

Gene: CaseJules_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for CaseJules_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: CassieYates_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for CassieYates_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Catalina_28 Start: 20528, Stop: 21541, Start Num: 106

Candidate Starts for Catalina_28:

(Start: 106 @20528 has 240 MA's), (Start: 122 @20546 has 2 MA's), (161, 20603), (173, 20621), (188, 20657), (270, 20837), (287, 20873), (311, 20903), (331, 20945), (415, 21104), (495, 21248), (521, 21311), (554, 21386), (558, 21398), (568, 21422),

Gene: Catfish_21 Start: 17616, Stop: 18467, Start Num: 115

Candidate Starts for Catfish_21:

(Start: 115 @17616 has 6 MA's), (Start: 118 @17619 has 5 MA's), (129, 17640), (152, 17676), (168, 17709), (194, 17778), (Start: 211 @17823 has 1 MA's), (221, 17853), (289, 17988), (313, 18015), (324, 18039), (335, 18060), (408, 18180), (446, 18246), (449, 18252), (549, 18447),

Gene: Cedasite_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Cedasite_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Celestialunch_27 Start: 18672, Stop: 19694, Start Num: 106

Candidate Starts for Celestialunch_27:

(Start: 106 @18672 has 240 MA's), (161, 18747), (173, 18765), (188, 18801), (242, 18921), (270, 18981), (287, 19017), (311, 19047), (331, 19089), (407, 19239), (442, 19290), (466, 19335), (467, 19341), (495, 19401), (506, 19437), (558, 19551),

Gene: Centaur_29 Start: 19640, Stop: 20656, Start Num: 106

Candidate Starts for Centaur_29:

(Start: 106 @19640 has 240 MA's), (161, 19715), (173, 19733), (188, 19769), (199, 19808), (287, 19985), (311, 20015), (329, 20054), (331, 20057), (558, 20513), (568, 20537),

Gene: ChadMasterC_34 Start: 30723, Stop: 31679, Start Num: 85

Candidate Starts for ChadMasterC_34:

(Start: 85 @30723 has 58 MA's), (194, 30909), (197, 30921), (209, 30948), (215, 30969), (255, 31029), (317, 31116), (319, 31119), (336, 31155), (352, 31188), (360, 31203), (367, 31215), (392, 31245), (396, 31251), (438, 31311), (500, 31401), (541, 31491), (552, 31515), (556, 31527), (584, 31593), (602, 31632), (606, 31644),

Gene: Chadwick_24 Start: 17936, Stop: 18949, Start Num: 114

Candidate Starts for Chadwick_24:

(Start: 114 @17936 has 85 MA's), (173, 18032), (186, 18065), (188, 18068), (199, 18107), (270, 18242), (282, 18272), (304, 18302), (311, 18308), (320, 18326), (331, 18350), (351, 18392), (558, 18806), (600, 18896),

Gene: Chance64_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Chance64_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Chancellor_23 Start: 17500, Stop: 18633, Start Num: 31

Candidate Starts for Chancellor_23:

(Start: 31 @17500 has 231 MA's), (38, 17518), (54, 17590), (Start: 67 @17620 has 6 MA's), (140, 17710), (162, 17752), (177, 17776), (215, 17881), (293, 18034), (331, 18103), (333, 18109), (433, 18262), (461, 18280), (476, 18310), (500, 18352), (501, 18355), (584, 18562), (601, 18601), (608, 18619),

Gene: Changeling_29 Start: 21010, Stop: 22023, Start Num: 106

Candidate Starts for Changeling_29:

(Start: 106 @21010 has 240 MA's), (173, 21103), (188, 21139), (199, 21178), (311, 21385), (329, 21424), (331, 21427), (353, 21472), (455, 21658), (473, 21691), (495, 21730), (558, 21880),

Gene: Chargerpower_27 Start: 18273, Stop: 19295, Start Num: 106

Candidate Starts for Chargerpower_27:

(Start: 106 @18273 has 240 MA's), (Start: 122 @18291 has 2 MA's), (173, 18366), (188, 18402), (199, 18441), (242, 18522), (270, 18582), (311, 18648), (331, 18690), (445, 18900), (466, 18936), (558, 19152), (561, 19161), (600, 19242),

Gene: Charm_27 Start: 18681, Stop: 19703, Start Num: 106

Candidate Starts for Charm_27:

(Start: 106 @18681 has 240 MA's), (Start: 122 @18699 has 2 MA's), (147, 18735), (173, 18774), (270, 18990), (287, 19026), (311, 19056), (331, 19098), (353, 19143), (407, 19248), (450, 19320), (466, 19344), (467, 19350), (554, 19548), (558, 19560), (561, 19569), (568, 19584), (600, 19650),

Gene: Charming_34 Start: 29358, Stop: 30314, Start Num: 85

Candidate Starts for Charming_34:

(Start: 85 @29358 has 58 MA's), (194, 29544), (197, 29556), (209, 29583), (215, 29604), (255, 29664), (319, 29754), (336, 29790), (352, 29823), (360, 29838), (367, 29850), (392, 29880), (396, 29886), (438, 29946), (500, 30036), (541, 30126), (552, 30150), (556, 30162), (584, 30228), (591, 30243), (602, 30267), (606, 30279), (617, 30309),

Gene: Chartreuse_30 Start: 18913, Stop: 19926, Start Num: 106

Candidate Starts for Chartreuse_30:

(Start: 106 @18913 has 240 MA's), (147, 18967), (173, 19006), (212, 19111), (287, 19258), (311, 19288), (329, 19327), (331, 19330), (353, 19375), (385, 19435), (495, 19633), (558, 19783), (561, 19792),

Gene: Chaser_17 Start: 15760, Stop: 16647, Start Num: 103

Candidate Starts for Chaser_17:

(Start: 103 @15760 has 86 MA's), (125, 15784), (145, 15811), (147, 15814), (155, 15829), (174, 15862), (212, 15958), (287, 16093), (292, 16102), (329, 16162), (331, 16165), (376, 16243), (401, 16258), (425, 16282), (455, 16324), (486, 16351), (497, 16375), (503, 16393), (527, 16444), (538, 16471), (558, 16519), (571, 16546), (614, 16630),

Gene: Chavito_22 Start: 15385, Stop: 16524, Start Num: 31

Candidate Starts for Chavito_22:

(Start: 31 @15385 has 231 MA's), (Start: 67 @15505 has 6 MA's), (140, 15595), (178, 15664), (214, 15763), (215, 15766), (261, 15865), (293, 15919), (334, 16000), (372, 16075), (390, 16090), (476, 16201), (500, 16243), (522, 16297), (539, 16336), (547, 16360), (568, 16420), (575, 16438), (584, 16453), (601, 16492), (608, 16510),

Gene: Che12_29 Start: 18081, Stop: 19091, Start Num: 106

Candidate Starts for Che12_29:

(Start: 106 @18081 has 240 MA's), (173, 18174), (188, 18210), (289, 18432), (311, 18456), (329, 18495), (331, 18498), (401, 18633), (455, 18726), (558, 18948), (568, 18972), (600, 19038),

Gene: Che9d_18 Start: 12821, Stop: 13750, Start Num: 101

Candidate Starts for Che9d_18:

(Start: 101 @12821 has 12 MA's), (147, 12881), (173, 12932), (Start: 211 @13031 has 1 MA's), (213, 13037), (218, 13052), (293, 13172), (349, 13256), (356, 13268), (386, 13313), (419, 13352), (424, 13358), (438, 13382), (439, 13385), (440, 13388), (498, 13466), (504, 13487), (505, 13490), (527, 13526), (539, 13553), (540, 13556), (558, 13595), (566, 13613), (568, 13619), (584, 13655), (587,

13661), (598, 13685), (601, 13691), (603, 13697),

Gene: CheeseSpider_21 Start: 16153, Stop: 17019, Start Num: 67

Candidate Starts for CheeseSpider_21:

(Start: 67 @16153 has 6 MA's), (Start: 73 @16159 has 29 MA's), (183, 16315), (188, 16324), (213, 16396), (275, 16495), (334, 16603), (398, 16687), (461, 16753), (538, 16888), (553, 16930),

Gene: CheeseTouch_19 Start: 15504, Stop: 16424, Start Num: 117

Candidate Starts for CheeseTouch_19:

(Start: 112 @15501 has 15 MA's), (Start: 117 @15504 has 6 MA's), (125, 15516), (139, 15534), (163, 15579), (183, 15618), (197, 15657), (Start: 211 @15690 has 1 MA's), (213, 15696), (252, 15765), (283, 15822), (286, 15825), (293, 15837), (317, 15861), (320, 15867), (328, 15885), (360, 15939), (367, 15951), (371, 15957), (388, 15978), (424, 16026), (435, 16044), (438, 16050), (443, 16065), (445, 16068), (539, 16221), (540, 16224), (543, 16230), (558, 16263), (579, 16314), (603, 16365), (609, 16380), (622, 16416),

Gene: CheetoDust_22 Start: 16028, Stop: 17164, Start Num: 31

Candidate Starts for CheetoDust_22:

(Start: 31 @16028 has 231 MA's), (Start: 67 @16145 has 6 MA's), (140, 16235), (154, 16256), (162, 16277), (178, 16304), (293, 16559), (334, 16640), (372, 16715), (390, 16730), (476, 16841), (500, 16883), (539, 16976), (547, 17000), (584, 17093), (601, 17132), (608, 17150),

Gene: Cheetobro_23 Start: 17497, Stop: 18630, Start Num: 31

Candidate Starts for Cheetobro_23:

(Start: 31 @17497 has 231 MA's), (38, 17515), (54, 17587), (Start: 67 @17617 has 6 MA's), (140, 17707), (162, 17749), (177, 17773), (215, 17878), (293, 18031), (331, 18100), (333, 18106), (433, 18259), (461, 18277), (476, 18307), (500, 18349), (501, 18352), (584, 18559), (601, 18598), (608, 18616),

Gene: CherryCola_33 Start: 25854, Stop: 26798, Start Num: 91

Candidate Starts for CherryCola_33:

(Start: 91 @25854 has 34 MA's), (161, 25959), (192, 26028), (194, 26034), (202, 26058), (209, 26073), (438, 26433), (443, 26448), (456, 26466), (522, 26568), (541, 26610), (556, 26646), (598, 26742), (617, 26793),

Gene: Cherrybomb426_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Cherrybomb426_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: CherryonLim_18 Start: 15217, Stop: 16173, Start Num: 110

Candidate Starts for CherryonLim_18:

(Start: 110 @15217 has 84 MA's), (143, 15262), (183, 15346), (202, 15400), (213, 15427), (247, 15478), (249, 15481), (252, 15487), (254, 15490), (291, 15559), (320, 15604), (331, 15628), (371, 15694), (438, 15790), (530, 15952), (539, 15973), (540, 15976), (553, 16006), (556, 16015), (579, 16072), (616, 16159), (618, 16165),

Gene: ChewyVIII_55 Start: 37234, Stop: 38175, Start Num: 84

Candidate Starts for ChewyVIII_55:

(Start: 84 @37234 has 6 MA's), (157, 37336), (208, 37456), (214, 37477), (240, 37507), (259, 37546), (289, 37612), (353, 37726), (428, 37828), (445, 37855), (558, 38038), (577, 38086), (595, 38125), (597, 38131),

Gene: Chickadee_31 Start: 26548, Stop: 27525, Start Num: 72

Candidate Starts for Chickadee_31:

(Start: 72 @26548 has 35 MA's), (86, 26560), (Start: 109 @26587 has 16 MA's), (144, 26635), (146, 26638), (173, 26689), (202, 26767), (254, 26863), (287, 26935), (359, 27064), (379, 27097), (407, 27133), (514, 27319), (532, 27349), (543, 27376), (556, 27412), (569, 27445), (600, 27514),

Gene: ChickenTender_19 Start: 14814, Stop: 15800, Start Num: 110

Candidate Starts for ChickenTender_19:

(Start: 110 @14814 has 84 MA's), (125, 14835), (143, 14859), (155, 14880), (161, 14895), (192, 14967), (202, 14997), (247, 15075), (252, 15084), (254, 15087), (281, 15141), (288, 15153), (320, 15201), (328, 15219), (344, 15243), (371, 15291), (402, 15357), (438, 15417), (443, 15432), (445, 15435), (457, 15459), (504, 15531), (511, 15549), (539, 15600), (540, 15603), (553, 15633), (556, 15642), (561, 15657), (587, 15714), (608, 15762), (616, 15786), (618, 15792),

Gene: ChipMunk_29 Start: 19587, Stop: 20603, Start Num: 106

Candidate Starts for ChipMunk_29:

(Start: 106 @19587 has 240 MA's), (161, 19662), (173, 19680), (188, 19716), (199, 19755), (311, 19962), (329, 20001), (331, 20004), (377, 20091), (473, 20271), (521, 20373), (554, 20448), (558, 20460),

Gene: Chipko_18 Start: 16574, Stop: 17521, Start Num: 106

Candidate Starts for Chipko_18:

(Start: 106 @16574 has 240 MA's), (208, 16769), (252, 16850), (259, 16862), (299, 16934), (313, 16940), (320, 16955), (353, 17015), (371, 17045), (375, 17051), (424, 17114), (438, 17138), (460, 17180), (496, 17222), (504, 17249), (527, 17291), (558, 17360), (559, 17363), (564, 17375), (587, 17426), (600, 17450), (618, 17501), (620, 17504),

Gene: ChocoMunchkin_17 Start: 14430, Stop: 15401, Start Num: 110

Candidate Starts for ChocoMunchkin_17:

(Start: 110 @14430 has 84 MA's), (143, 14475), (155, 14496), (161, 14511), (173, 14532), (192, 14583), (202, 14613), (213, 14640), (247, 14691), (252, 14700), (254, 14703), (281, 14757), (288, 14769), (320, 14817), (334, 14844), (371, 14907), (402, 14958), (419, 14988), (438, 15018), (445, 15036), (504, 15132), (511, 15150), (539, 15201), (540, 15204), (553, 15234), (556, 15243), (561, 15258), (587, 15315), (608, 15363), (616, 15387), (618, 15393),

Gene: Chop_21 Start: 16827, Stop: 17888, Start Num: 60

Candidate Starts for Chop_21:

(Start: 60 @16827 has 18 MA's), (Start: 99 @16872 has 6 MA's), (124, 16902), (188, 17010), (245, 17160), (266, 17208), (310, 17292), (316, 17301), (335, 17343), (448, 17520), (491, 17589), (554, 17751), (567, 17784), (600, 17856), (601, 17859),

Gene: Chris_21 Start: 15243, Stop: 16379, Start Num: 31

Candidate Starts for Chris_21:

(Start: 31 @15243 has 231 MA's), (Start: 67 @15360 has 6 MA's), (Start: 84 @15378 has 6 MA's), (154, 15471), (178, 15519), (261, 15720), (319, 15819), (328, 15840), (370, 15927), (390, 15945), (433, 16008), (465, 16032), (476, 16056), (500, 16098), (501, 16101), (522, 16152), (539, 16191), (584, 16308), (597, 16335), (601, 16347), (608, 16365),

Gene: ChutneyChips_16 Start: 15804, Stop: 16640, Start Num: 145

Candidate Starts for ChutneyChips_16:

(Start: 103 @15753 has 86 MA's), (125, 15777), (145, 15804), (147, 15807), (155, 15822), (174, 15855), (212, 15951), (287, 16086), (292, 16095), (329, 16155), (331, 16158), (376, 16236), (401, 16251), (425, 16275), (450, 16308), (486, 16344), (497, 16368), (503, 16386), (527, 16437), (538, 16464), (558, 16512), (571, 16539), (614, 16623),

Gene: CicholasNage_17 Start: 15849, Stop: 16748, Start Num: 89

Candidate Starts for CicholasNage_17:

(Start: 89 @15849 has 16 MA's), (Start: 103 @15867 has 86 MA's), (125, 15891), (147, 15921), (155, 15936), (174, 15969), (246, 16113), (282, 16194), (329, 16269), (331, 16272), (335, 16278), (355, 16323), (376, 16350), (411, 16383), (425, 16389), (450, 16422), (455, 16431), (486, 16458), (538, 16578), (558, 16626), (598, 16692), (601, 16698), (614, 16737),

Gene: ClamChowder_32 Start: 25634, Stop: 26578, Start Num: 91

Candidate Starts for ClamChowder_32:

(Start: 91 @25634 has 34 MA's), (161, 25739), (192, 25808), (194, 25814), (202, 25838), (209, 25853), (438, 26213), (443, 26228), (456, 26246), (522, 26348), (541, 26390), (556, 26426), (598, 26522), (617, 26573),

Gene: Clarkson_50 Start: 26438, Stop: 27400, Start Num: 103

Candidate Starts for Clarkson_50:

(Start: 103 @26438 has 86 MA's), (183, 26570), (192, 26594), (196, 26603), (198, 26609), (202, 26618), (212, 26642), (214, 26651), (219, 26663), (224, 26675), (280, 26789), (324, 26870), (331, 26885), (335, 26891), (411, 26999), (505, 27125), (507, 27131), (544, 27206), (577, 27281), (581, 27287), (588, 27299), (590, 27302), (621, 27389), (623, 27392), (624, 27395),

Gene: Claus_17 Start: 16055, Stop: 16969, Start Num: 103

Candidate Starts for Claus_17:

(Start: 103 @16055 has 86 MA's), (125, 16079), (147, 16109), (188, 16190), (206, 16235), (328, 16460), (329, 16463), (331, 16466), (345, 16496), (398, 16553), (425, 16583), (486, 16652), (495, 16670), (527, 16745), (532, 16757), (558, 16820), (571, 16847), (601, 16910), (614, 16949), (619, 16961),

Gene: Clautastrophe_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for Clautastrophe_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: Cleo_17 Start: 15020, Stop: 15991, Start Num: 110

Candidate Starts for Cleo_17:

(58, 14945), (Start: 110 @15020 has 84 MA's), (143, 15065), (183, 15149), (202, 15203), (234, 15260), (247, 15284), (252, 15293), (254, 15296), (281, 15353), (320, 15413), (328, 15431), (371, 15503), (381, 15524), (504, 15719), (540, 15788), (541, 15791), (553, 15818), (556, 15827), (566, 15851), (579, 15884), (589, 15902), (605, 15947), (616, 15977),

Gene: Clipper_22 Start: 16028, Stop: 17164, Start Num: 31

Candidate Starts for Clipper_22:

(Start: 31 @16028 has 231 MA's), (Start: 67 @16145 has 6 MA's), (140, 16235), (154, 16256), (162, 16277), (178, 16304), (293, 16559), (334, 16640), (372, 16715), (390, 16730), (476, 16841), (500, 16883), (539, 16976), (547, 17000), (584, 17093), (601, 17132), (608, 17150),

Gene: CloudWang3_30 Start: 18960, Stop: 19976, Start Num: 106

Candidate Starts for CloudWang3_30:

(Start: 106 @18960 has 240 MA's), (Start: 122 @18978 has 2 MA's), (147, 19014), (173, 19053), (212, 19158), (311, 19335), (329, 19374), (331, 19377), (377, 19464), (385, 19485), (455, 19611), (495, 19683), (558, 19833), (561, 19842), (600, 19923),

Gene: Cloudyecho_17 Start: 15656, Stop: 16834, Start Num: 31

Candidate Starts for Cloudyecho_17:

(4, 15257), (5, 15317), (Start: 31 @15656 has 231 MA's), (Start: 84 @15800 has 6 MA's), (124, 15851), (162, 15917), (163, 15920), (180, 15950), (208, 16022), (236, 16091), (240, 16097), (314, 16232), (338, 16286), (368, 16346), (445, 16454), (476, 16511), (500, 16553), (567, 16727), (568, 16730), (584, 16763), (599, 16796),

Gene: Clown_34 Start: 27669, Stop: 28601, Start Num: 91

Candidate Starts for Clown_34:

(Start: 91 @27669 has 34 MA's), (Start: 98 @27678 has 1 MA's), (140, 27726), (161, 27765), (183, 27810), (194, 27840), (202, 27864), (209, 27879), (244, 27936), (319, 28053), (320, 28056), (438, 28236), (522, 28371), (539, 28407), (541, 28413), (556, 28449), (581, 28509), (584, 28515), (589, 28524), (598, 28545),

Gene: ClubL_47 Start: 28631, Stop: 29512, Start Num: 76

Candidate Starts for ClubL_47:

(Start: 76 @28631 has 13 MA's), (119, 28679), (140, 28706), (179, 28778), (205, 28844), (214, 28874), (279, 28982), (333, 29075), (343, 29099), (350, 29114), (433, 29210), (476, 29258), (558, 29438), (571, 29474),

Gene: CocoaPuff_16 Start: 14462, Stop: 15418, Start Num: 110

Candidate Starts for CocoaPuff_16:

(Start: 110 @14462 has 84 MA's), (143, 14507), (173, 14564), (183, 14591), (202, 14645), (213, 14672), (247, 14723), (249, 14726), (252, 14732), (254, 14735), (281, 14789), (291, 14804), (320, 14849), (331, 14873), (342, 14888), (371, 14939), (438, 15035), (540, 15221), (553, 15251), (556, 15260), (566, 15284), (579, 15317), (616, 15404), (618, 15410),

Gene: CoffeeBean_44 Start: 30363, Stop: 31289, Start Num: 85

Candidate Starts for CoffeeBean_44:

(Start: 85 @30363 has 58 MA's), (Start: 122 @30399 has 2 MA's), (188, 30516), (199, 30555), (208, 30573), (240, 30624), (287, 30723), (331, 30798), (336, 30807), (377, 30882), (401, 30903), (500, 31041), (513, 31077), (534, 31116), (558, 31158), (587, 31221), (600, 31254),

Gene: CogOmlette_25 Start: 18587, Stop: 19609, Start Num: 106

Candidate Starts for CogOmlette_25:

(Start: 106 @18587 has 240 MA's), (Start: 122 @18605 has 2 MA's), (147, 18641), (161, 18662), (173, 18680), (212, 18785), (287, 18932), (311, 18962), (331, 19004), (385, 19109), (407, 19154), (439, 19199), (466, 19250), (467, 19256), (470, 19265), (521, 19379), (544, 19430), (554, 19454), (558, 19466), (600, 19556),

Gene: Coleslaw_17 Start: 15468, Stop: 16640, Start Num: 31

Candidate Starts for Coleslaw_17:

(5, 15135), (Start: 31 @15468 has 231 MA's), (Start: 67 @15588 has 6 MA's), (Start: 84 @15606 has 6 MA's), (121, 15651), (124, 15657), (161, 15720), (180, 15756), (207, 15825), (208, 15828), (214, 15849), (240, 15903), (261, 15948), (278, 15978), (333, 16080), (338, 16092), (342, 16104), (351, 16122), (461, 16287), (476, 16317), (491, 16335), (500, 16359), (548, 16479), (584, 16569), (599, 16602),

Gene: Colin_31 Start: 20885, Stop: 21898, Start Num: 106

Candidate Starts for Colin_31:

(Start: 106 @20885 has 240 MA's), (Start: 122 @20903 has 2 MA's), (161, 20960), (173, 20978), (188, 21014), (199, 21053), (311, 21260), (329, 21299), (331, 21302), (353, 21347), (385, 21407), (401, 21440), (454, 21530), (455, 21533), (473, 21566), (558, 21755), (561, 21764),

Gene: Collard_20 Start: 16380, Stop: 17510, Start Num: 37

Candidate Starts for Collard_20:

(Start: 37 @16380 has 23 MA's), (121, 16554), (161, 16620), (162, 16623), (178, 16650), (214, 16749), (261, 16851), (293, 16905), (311, 16935), (328, 16971), (329, 16974), (333, 16983), (370, 17058), (372, 17061), (404, 17097), (433, 17139), (461, 17157), (465, 17163), (476, 17187), (477, 17190), (500, 17229), (584, 17439), (601, 17478), (608, 17496),

Gene: Colleen_18 Start: 16550, Stop: 17428, Start Num: 92

Candidate Starts for Colleen_18:

(Start: 92 @16550 has 11 MA's), (Start: 95 @16553 has 1 MA's), (155, 16637), (212, 16775), (398, 17063),

Gene: Colossa_19 Start: 15551, Stop: 16441, Start Num: 99

Candidate Starts for Colossa_19:

(Start: 99 @15551 has 6 MA's), (Start: 117 @15569 has 6 MA's), (147, 15611), (155, 15626), (175, 15668), (212, 15761), (278, 15881), (287, 15896), (302, 15926), (328, 15962), (336, 15977), (411, 16085), (425, 16091), (439, 16115), (532, 16265), (573, 16361), (609, 16421),

Gene: Commandaria_42 Start: 30197, Stop: 31138, Start Num: 89

Candidate Starts for Commandaria_42:

(Start: 89 @30197 has 16 MA's), (150, 30284), (163, 30314), (188, 30359), (240, 30467), (336, 30650), (398, 30731), (401, 30737), (415, 30764), (545, 30980), (558, 31007), (600, 31103),

Gene: Conquerage_28 Start: 20557, Stop: 21570, Start Num: 106

Candidate Starts for Conquerage_28:

(Start: 106 @20557 has 240 MA's), (Start: 122 @20575 has 2 MA's), (161, 20632), (173, 20650), (188, 20686), (270, 20866), (287, 20902), (311, 20932), (331, 20974), (415, 21133), (495, 21277), (521, 21340), (554, 21415), (558, 21427), (568, 21451),

Gene: Conspiracy_23 Start: 18474, Stop: 19487, Start Num: 114

Candidate Starts for Conspiracy_23:

(Start: 114 @18474 has 85 MA's), (173, 18570), (186, 18603), (188, 18606), (199, 18645), (217, 18693), (311, 18846), (320, 18864), (331, 18888), (351, 18930), (511, 19242), (558, 19344), (569, 19371),

Gene: Coog_23 Start: 18617, Stop: 19630, Start Num: 114

Candidate Starts for Coog_23:

(Start: 114 @18617 has 85 MA's), (173, 18713), (186, 18746), (188, 18749), (199, 18788), (270, 18923), (304, 18983), (311, 18989), (320, 19007), (331, 19031), (351, 19073), (511, 19385), (558, 19487), (569, 19514), (600, 19577),

Gene: Cookiedough_30 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for Cookiedough_30:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: Corazon_47 Start: 26391, Stop: 27353, Start Num: 103

Candidate Starts for Corazon_47:

(Start: 103 @26391 has 86 MA's), (183, 26523), (192, 26547), (196, 26556), (198, 26562), (202, 26571), (212, 26595), (214, 26604), (219, 26616), (224, 26628), (280, 26742), (324, 26823), (331, 26838), (335, 26844), (411, 26952), (505, 27078), (507, 27084), (544, 27159), (577, 27234), (581, 27240), (588, 27252), (590, 27255), (621, 27342), (623, 27345), (624, 27348),

Gene: Coriander_18 Start: 16561, Stop: 17508, Start Num: 106

Candidate Starts for Coriander_18:

(Start: 106 @16561 has 240 MA's), (208, 16756), (252, 16837), (259, 16849), (299, 16921), (313, 16927), (320, 16942), (371, 17032), (375, 17038), (424, 17101), (438, 17125), (439, 17128), (440, 17131), (460, 17167), (504, 17236), (527, 17278), (539, 17305), (558, 17347), (559, 17350), (564, 17362), (600, 17437), (620, 17491),

Gene: CosmicSans_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for CosmicSans_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Cota_15 Start: 11295, Stop: 12242, Start Num: 83

Candidate Starts for Cota_15:

(74, 11280), (Start: 79 @11286 has 1 MA's), (Start: 83 @11295 has 44 MA's), (Start: 110 @11328 has 84 MA's), (126, 11346), (129, 11349), (135, 11355), (149, 11379), (154, 11388), (166, 11418), (168, 11421), (170, 11424), (174, 11436), (179, 11451), (182, 11460), (194, 11490), (206, 11520), (Start: 211 @11535 has 1 MA's), (214, 11547), (215, 11550), (216, 11553), (242, 11601), (249, 11619), (267, 11655), (270, 11661), (280, 11688), (294, 11712), (319, 11739), (329, 11763), (335, 11772), (367, 11835), (406, 11889), (408, 11892), (410, 11895), (417, 11907), (441, 11946), (447, 11961), (451, 11970), (458, 11982), (479, 11997), (489, 12012), (492, 12018), (521, 12090), (522, 12093), (531, 12111), (532, 12114), (536, 12123), (554, 12171), (558, 12183), (561, 12192), (567, 12207), (569, 12213), (574, 12228),

Gene: CoveyB_32 Start: 25434, Stop: 26378, Start Num: 91

Candidate Starts for CoveyB_32:

(Start: 91 @25434 has 34 MA's), (161, 25539), (192, 25608), (194, 25614), (202, 25638), (209, 25653), (438, 26013), (443, 26028), (456, 26046), (522, 26148), (541, 26190), (556, 26226), (598, 26322), (617, 26373),

Gene: Cozz_17 Start: 14765, Stop: 15736, Start Num: 110

Candidate Starts for Cozz_17:

(Start: 110 @14765 has 84 MA's), (143, 14810), (155, 14831), (183, 14894), (192, 14918), (202, 14948), (216, 14987), (247, 15026), (252, 15035), (254, 15038), (288, 15104), (320, 15152), (344, 15194), (371, 15242), (402, 15293), (438, 15353), (443, 15368), (445, 15371), (454, 15389), (457, 15395), (496, 15440), (504, 15467), (511, 15485), (540, 15539), (553, 15569), (556, 15578), (561, 15593), (587, 15650), (608, 15698), (616, 15722), (618, 15728),

Gene: Cracklewink_23 Start: 18745, Stop: 19743, Start Num: 50

Candidate Starts for Cracklewink_23:

(Start: 50 @18745 has 6 MA's), (Start: 99 @18811 has 6 MA's), (108, 18820), (154, 18883), (161, 18901), (163, 18907), (214, 19030), (230, 19057), (231, 19060), (244, 19081), (299, 19183), (305, 19192), (319, 19219), (351, 19294), (399, 19336), (414, 19363), (476, 19432), (477, 19435), (502, 19477), (522, 19525), (527, 19534), (543, 19576), (548, 19588), (569, 19645), (601, 19714),

Gene: Crater_17 Start: 15047, Stop: 15973, Start Num: 110

Candidate Starts for Crater_17:

(Start: 110 @15047 has 84 MA's), (Start: 117 @15053 has 6 MA's), (139, 15083), (173, 15143), (183, 15167), (190, 15182), (195, 15197), (197, 15206), (202, 15218), (Start: 211 @15239 has 1 MA's), (216, 15257), (229, 15269), (252, 15314), (281, 15368), (283, 15371), (286, 15374), (293, 15386), (320, 15416), (328, 15434), (360, 15488), (367, 15500), (371, 15506), (388, 15527), (424, 15575), (435, 15593), (438, 15599), (443, 15614), (445, 15617), (539, 15770), (540, 15773), (543, 15779), (558, 15812), (566, 15830), (579, 15863), (603, 15914), (609, 15929), (622, 15965),

Gene: Crespo_17 Start: 15478, Stop: 16650, Start Num: 31

Candidate Starts for Crespo_17:

(5, 15145), (Start: 31 @15478 has 231 MA's), (Start: 67 @15598 has 6 MA's), (Start: 84 @15616 has 6 MA's), (121, 15661), (124, 15667), (161, 15730), (180, 15766), (207, 15835), (208, 15838), (214, 15859), (240, 15913), (261, 15958), (278, 15988), (333, 16090), (338, 16102), (342, 16114), (351, 16132), (461, 16297), (476, 16327), (491, 16345), (500, 16369), (548, 16489), (584, 16579), (599, 16612),

Gene: CrimD_22 Start: 15989, Stop: 17125, Start Num: 31

Candidate Starts for CrimD_22:

(Start: 31 @15989 has 231 MA's), (Start: 67 @16106 has 6 MA's), (140, 16196), (154, 16217), (162, 16238), (178, 16265), (293, 16520), (334, 16601), (372, 16676), (390, 16691), (476, 16802), (500, 16844), (539, 16937), (547, 16961), (584, 17054), (601, 17093), (608, 17111),

Gene: Crossroads_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Crossroads_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Crucio_27 Start: 19105, Stop: 20121, Start Num: 106

Candidate Starts for Crucio_27:

(Start: 106 @19105 has 240 MA's), (161, 19180), (173, 19198), (188, 19234), (199, 19273), (311, 19480), (329, 19519), (331, 19522), (473, 19789), (521, 19891), (554, 19966), (558, 19978), (600, 20068),

Gene: Cruella_30 Start: 27616, Stop: 28482, Start Num: 72

Candidate Starts for Cruella_30:

(Start: 72 @27616 has 35 MA's), (88, 27640), (128, 27685), (161, 27745), (181, 27784), (216, 27880), (313, 28042), (328, 28075), (398, 28150), (411, 28174), (505, 28249), (537, 28315), (558, 28351), (569, 28378), (596, 28435),

Gene: Cuco_23 Start: 18647, Stop: 19660, Start Num: 114

Candidate Starts for Cuco_23:

(Start: 114 @18647 has 85 MA's), (173, 18743), (186, 18776), (188, 18779), (199, 18818), (270, 18953), (304, 19013), (311, 19019), (320, 19037), (331, 19061), (351, 19103), (511, 19415), (558, 19517), (600, 19607),

Gene: Cucurbita_49 Start: 30001, Stop: 30882, Start Num: 76

Candidate Starts for Cucurbita_49:

(Start: 76 @30001 has 13 MA's), (119, 30049), (140, 30076), (179, 30148), (205, 30214), (214, 30244), (279, 30352), (333, 30445), (343, 30469), (350, 30484), (433, 30580), (476, 30628), (558, 30808), (571, 30844),

Gene: Culver_47 Start: 28434, Stop: 29321, Start Num: 70

Candidate Starts for Culver_47:

(Start: 70 @28434 has 25 MA's), (Start: 76 @28440 has 13 MA's), (119, 28488), (140, 28515), (179, 28587), (205, 28653), (214, 28683), (279, 28791), (333, 28884), (343, 28908), (350, 28923), (433, 29019), (476, 29067), (558, 29247), (571, 29283),

Gene: Curiosium_23 Start: 15737, Stop: 16873, Start Num: 31

Candidate Starts for Curiosium_23:

(Start: 31 @15737 has 231 MA's), (Start: 67 @15854 has 6 MA's), (154, 15965), (178, 16013), (293, 16268), (298, 16274), (334, 16349), (390, 16439), (476, 16550), (500, 16592), (539, 16685), (547, 16709), (584, 16802), (601, 16841), (608, 16859),

Gene: D29_27 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for D29_27:

(Start: 106 @19042 has 240 MA's), (147, 19096), (161, 19117), (173, 19135), (247, 19306), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: D32_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for D32_30:

(Start: 106 @19042 has 240 MA's), (147, 19096), (161, 19117), (173, 19135), (247, 19306), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: DBQu4n_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for DBQu4n_30:

(Start: 106 @19042 has 240 MA's), (161, 19117), (173, 19135), (247, 19306), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: DHan_17 Start: 15991, Stop: 16905, Start Num: 103

Candidate Starts for DHan_17:

(Start: 103 @15991 has 86 MA's), (125, 16015), (147, 16045), (188, 16126), (206, 16171), (328, 16396), (329, 16399), (331, 16402), (345, 16432), (398, 16489), (425, 16519), (486, 16588), (495, 16606), (527, 16681), (532, 16693), (558, 16756), (571, 16783), (601, 16846), (614, 16885), (619, 16897),

Gene: DMoney_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for DMoney_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: DNAIII_0017 Start: 15486, Stop: 16658, Start Num: 31

Candidate Starts for DNAIII_0017:

(5, 15153), (Start: 31 @15486 has 231 MA's), (Start: 67 @15606 has 6 MA's), (Start: 84 @15624 has 6 MA's), (121, 15669), (124, 15675), (161, 15738), (180, 15774), (207, 15843), (208, 15846), (214, 15867), (240, 15921), (261, 15966), (278, 15996), (333, 16098), (338, 16110), (342, 16122), (351, 16140), (461, 16305), (476, 16335), (491, 16353), (500, 16377), (548, 16497), (584, 16587), (599, 16620),

Gene: DS6A_20 Start: 16001, Stop: 16972, Start Num: 75

Candidate Starts for DS6A_20:

(Start: 75 @16001 has 1 MA's), (Start: 122 @16064 has 2 MA's), (183, 16178), (184, 16181), (207, 16241), (213, 16259), (234, 16286), (313, 16415), (315, 16418), (319, 16427), (335, 16460), (386, 16538), (389, 16541), (438, 16613), (529, 16760), (530, 16763), (532, 16769), (539, 16784), (545, 16799), (581, 16880), (600, 16919), (604, 16931),

Gene: DaVinci_30 Start: 18967, Stop: 19980, Start Num: 106

Candidate Starts for DaVinci_30:

(Start: 106 @18967 has 240 MA's), (147, 19021), (173, 19060), (212, 19165), (287, 19312), (311, 19342), (329, 19381), (331, 19384), (353, 19429), (385, 19489), (495, 19687), (558, 19837), (561, 19846),

Gene: Dadosky_20 Start: 16302, Stop: 17432, Start Num: 37

Candidate Starts for Dadosky_20:

(Start: 37 @16302 has 23 MA's), (121, 16476), (161, 16542), (178, 16572), (214, 16671), (261, 16773), (293, 16827), (311, 16857), (328, 16893), (329, 16896), (333, 16905), (370, 16980), (372, 16983), (397, 17004), (404, 17019), (433, 17061), (461, 17079), (465, 17085), (476, 17109), (477, 17112), (500, 17151), (542, 17253), (584, 17361), (601, 17400), (608, 17418),

Gene: Daegal_22 Start: 16606, Stop: 17700, Start Num: 56

Candidate Starts for Daegal_22:

(Start: 56 @16606 has 23 MA's), (59, 16615), (140, 16711), (147, 16720), (Start: 151 @16729 has 1 MA's), (178, 16780), (180, 16786), (216, 16882), (223, 16900), (251, 16969), (256, 16978), (266, 16999), (269, 17005), (272, 17011), (274, 17014), (310, 17086), (312, 17089), (401, 17245), (437, 17296), (444, 17314), (478, 17386), (494, 17404), (529, 17488), (539, 17515), (540, 17518), (552, 17554), (558, 17572), (575, 17614), (584, 17629), (585, 17632), (599, 17662), (601, 17668),

Gene: Dalilpop_45 Start: 31200, Stop: 32117, Start Num: 87

Candidate Starts for Dalilpop_45:

(2, 30261), (Start: 87 @31200 has 26 MA's), (150, 31278), (214, 31431), (287, 31560), (325, 31623), (401, 31731), (558, 31986), (592, 32061), (600, 32082),

Gene: Dalmatian_27 Start: 19252, Stop: 20268, Start Num: 106

Candidate Starts for Dalmatian_27:

(Start: 106 @19252 has 240 MA's), (161, 19327), (173, 19345), (188, 19381), (199, 19420), (311, 19627), (329, 19666), (331, 19669), (473, 19936), (521, 20038), (554, 20113), (558, 20125), (600, 20215), (601, 20218),

Gene: Dalmuri_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Dalmuri_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: DanBing_16 Start: 15895, Stop: 16809, Start Num: 103

Candidate Starts for DanBing_16:

(Start: 103 @15895 has 86 MA's), (125, 15919), (147, 15949), (188, 16030), (206, 16075), (328, 16300), (329, 16303), (331, 16306), (345, 16336), (398, 16393), (425, 16423), (486, 16492), (495, 16510), (527, 16585), (532, 16597), (558, 16660), (571, 16687), (601, 16750), (614, 16789), (619, 16801),

Gene: DanSyl44_24 Start: 17503, Stop: 18636, Start Num: 31

Candidate Starts for DanSyl44_24:

(Start: 31 @17503 has 231 MA's), (38, 17521), (54, 17593), (Start: 67 @17623 has 6 MA's), (140, 17713), (162, 17755), (177, 17779), (215, 17884), (293, 18037), (331, 18106), (333, 18112), (433, 18265), (461, 18283), (476, 18313), (500, 18355), (501, 18358), (575, 18550), (584, 18565), (601, 18604), (608, 18622),

Gene: Danforth_22 Start: 17615, Stop: 18637, Start Num: 114

Candidate Starts for Danforth_22:

(Start: 114 @17615 has 85 MA's), (183, 17738), (186, 17744), (212, 17816), (270, 17921), (280, 17948), (331, 18038), (440, 18239), (454, 18269), (455, 18272), (554, 18482), (569, 18521), (592, 18569), (600, 18584),

Gene: Danyall_32 Start: 25434, Stop: 26378, Start Num: 91

Candidate Starts for Danyall_32:

(Start: 91 @25434 has 34 MA's), (161, 25539), (192, 25608), (194, 25614), (202, 25638), (209, 25653), (438, 26013), (443, 26028), (456, 26046), (522, 26148), (541, 26190), (556, 26226), (598, 26322), (617, 26373),

Gene: Dardanus_23 Start: 15835, Stop: 16677, Start Num: 115

Candidate Starts for Dardanus_23:

(Start: 115 @15835 has 6 MA's), (Start: 118 @15838 has 5 MA's), (127, 15850), (152, 15886), (166, 15916), (168, 15919), (187, 15967), (197, 16000), (216, 16051), (221, 16063), (230, 16075), (289, 16198), (320, 16240), (324, 16249), (334, 16267), (335, 16270), (358, 16318), (360, 16321), (373, 16342), (408, 16390), (432, 16426), (481, 16498), (484, 16501), (487, 16507), (524, 16597), (532, 16612), (545, 16648),

Gene: Daredevil_28 Start: 24544, Stop: 25425, Start Num: 70

Candidate Starts for Daredevil_28:

(Start: 70 @24544 has 25 MA's), (140, 24619), (176, 24682), (179, 24691), (183, 24700), (239, 24820), (275, 24880), (333, 24988), (433, 25123), (476, 25171), (514, 25246), (538, 25294), (555, 25342), (558, 25351),

Gene: Darionha_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Darionha_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Darrell_29 Start: 20724, Stop: 21746, Start Num: 106

Candidate Starts for Darrell_29:

(Start: 106 @20724 has 240 MA's), (Start: 122 @20742 has 2 MA's), (140, 20769), (161, 20799), (173, 20817), (270, 21033), (287, 21069), (311, 21099), (331, 21141), (407, 21291), (415, 21300), (466, 21387), (495, 21453), (554, 21591), (558, 21603), (561, 21612), (568, 21627),

Gene: DartGoblin_22 Start: 15944, Stop: 17080, Start Num: 31

Candidate Starts for DartGoblin_22:

(Start: 31 @15944 has 231 MA's), (Start: 67 @16061 has 6 MA's), (140, 16151), (154, 16172), (162, 16193), (178, 16220), (261, 16421), (293, 16475), (334, 16556), (372, 16631), (390, 16646), (500, 16799), (539, 16892), (547, 16916), (584, 17009), (601, 17048), (608, 17066),

Gene: DarthP_21 Start: 16442, Stop: 17578, Start Num: 31

Candidate Starts for DarthP_21:

(Start: 31 @16442 has 231 MA's), (Start: 67 @16559 has 6 MA's), (Start: 84 @16577 has 6 MA's), (111, 16610), (140, 16649), (178, 16718), (214, 16817), (216, 16823), (261, 16919), (293, 16973), (328, 17039), (333, 17051), (433, 17207), (465, 17231), (500, 17297), (501, 17300), (502, 17303), (539, 17390), (584, 17507), (601, 17546), (608, 17564),

Gene: DarthPhader_28 Start: 20722, Stop: 21738, Start Num: 106

Candidate Starts for DarthPhader_28:

(Start: 106 @20722 has 240 MA's), (161, 20797), (173, 20815), (188, 20851), (199, 20890), (311, 21097), (329, 21136), (331, 21139), (401, 21280), (445, 21352), (558, 21595),

Gene: Dartin_22 Start: 15375, Stop: 16514, Start Num: 31

Candidate Starts for Dartin_22:

(Start: 31 @15375 has 231 MA's), (Start: 67 @15495 has 6 MA's), (140, 15585), (178, 15654), (214, 15753), (215, 15756), (261, 15855), (293, 15909), (334, 15990), (372, 16065), (390, 16080), (465, 16167), (476, 16191), (500, 16233), (501, 16236), (522, 16287), (539, 16326), (568, 16410), (575, 16428), (584, 16443), (601, 16482), (608, 16500),

Gene: Darwin_33 Start: 27301, Stop: 28167, Start Num: 72

Candidate Starts for Darwin_33:

(Start: 72 @27301 has 35 MA's), (88, 27325), (128, 27370), (161, 27430), (181, 27469), (216, 27565), (313, 27727), (328, 27760), (398, 27835), (411, 27859), (537, 28000), (558, 28036), (569, 28063), (596, 28120),

Gene: DatBoi_30 Start: 26971, Stop: 27855, Start Num: 70

Candidate Starts for DatBoi_30:

(Start: 70 @26971 has 25 MA's), (Start: 93 @26992 has 8 MA's), (140, 27046), (239, 27247), (270, 27298), (275, 27307), (293, 27343), (333, 27415), (335, 27421), (433, 27550), (476, 27598), (514, 27673), (538, 27721),

Gene: DearBasketball_20 Start: 14347, Stop: 15189, Start Num: 109

Candidate Starts for DearBasketball_20:

(35, 14167), (80, 14308), (Start: 109 @14347 has 16 MA's), (155, 14416), (170, 14446), (177, 14467), (191, 14500), (206, 14542), (207, 14545), (287, 14686), (331, 14752), (434, 14884), (506, 14959), (540, 15013), (558, 15055), (590, 15121), (605, 15160),

Gene: Deby_22 Start: 15985, Stop: 17121, Start Num: 31

Candidate Starts for Deby_22:

(Start: 31 @15985 has 231 MA's), (Start: 67 @16102 has 6 MA's), (140, 16192), (154, 16213), (162, 16234), (178, 16261), (293, 16516), (334, 16597), (372, 16672), (390, 16687), (476, 16798), (500, 16840), (539, 16933), (547, 16957), (584, 17050), (601, 17089), (608, 17107),

Gene: DeepSoil15_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for DeepSoil15_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: DeerParkTS_28 Start: 19239, Stop: 20249, Start Num: 106

Candidate Starts for DeerParkTS_28:

(Start: 106 @19239 has 240 MA's), (161, 19314), (173, 19332), (188, 19368), (199, 19407), (207, 19422), (311, 19614), (329, 19653), (331, 19656), (521, 20019), (554, 20094), (558, 20106), (600, 20196),

Gene: DekHockey33_29 Start: 18241, Stop: 19218, Start Num: 110

Candidate Starts for DekHockey33_29:

(Start: 110 @18241 has 84 MA's), (183, 18355), (186, 18361), (188, 18364), (297, 18598), (452, 18865), (493, 18919), (558, 19075),

Gene: DelRio_22 Start: 17301, Stop: 18362, Start Num: 60

Candidate Starts for DelRio_22:

(Start: 60 @17301 has 18 MA's), (Start: 99 @17346 has 6 MA's), (124, 17376), (188, 17484), (245, 17634), (266, 17682), (310, 17766), (316, 17775), (335, 17817), (448, 17994), (491, 18063), (567, 18258), (600, 18330), (601, 18333),

Gene: Delian_18 Start: 15817, Stop: 16677, Start Num: 73

Candidate Starts for Delian_18:

(Start: 67 @15811 has 6 MA's), (Start: 73 @15817 has 29 MA's), (183, 15973), (213, 16054), (275, 16153), (334, 16261), (398, 16345), (461, 16411), (494, 16456), (538, 16546), (553, 16588),

Gene: Deloris_28 Start: 19613, Stop: 20623, Start Num: 106

Candidate Starts for Deloris_28:

(Start: 106 @19613 has 240 MA's), (173, 19706), (188, 19742), (199, 19781), (311, 19988), (329, 20027), (331, 20030), (455, 20258), (473, 20291), (521, 20393), (531, 20414), (554, 20468), (558, 20480), (600, 20570),

Gene: Delrey21_33 Start: 29967, Stop: 30944, Start Num: 72

Candidate Starts for Delrey21_33:

(Start: 72 @29967 has 35 MA's), (144, 30054), (161, 30090), (180, 30126), (254, 30282), (255, 30285), (287, 30354), (328, 30417), (332, 30426), (379, 30516), (405, 30549), (407, 30552), (502, 30705), (520, 30747), (532, 30768), (543, 30795), (550, 30816), (554, 30825), (556, 30831), (569, 30864), (570, 30867), (591, 30912), (594, 30921), (600, 30933),

Gene: DelvinSonDorr_29 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for DelvinSonDorr_29:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: Demsculpinboyz_18 Start: 12806, Stop: 13735, Start Num: 101

Candidate Starts for Demsculpinboyz_18:

(Start: 101 @12806 has 12 MA's), (147, 12866), (173, 12917), (Start: 211 @13016 has 1 MA's), (213, 13022), (218, 13037), (293, 13157), (315, 13175), (349, 13241), (356, 13253), (386, 13298), (419, 13337), (424, 13343), (438, 13367), (439, 13370), (440, 13373), (498, 13451), (504, 13472), (505, 13475), (527, 13511), (539, 13538), (540, 13541), (558, 13580), (566, 13598), (568, 13604), (584, 13640), (587, 13646), (598, 13670), (601, 13676), (603, 13682),

Gene: Derg_29 Start: 28515, Stop: 29471, Start Num: 85

Candidate Starts for Derg_29:

(Start: 85 @28515 has 58 MA's), (183, 28671), (194, 28701), (197, 28713), (198, 28716), (202, 28725), (209, 28740), (213, 28752), (319, 28911), (336, 28947), (367, 29007), (396, 29043), (438, 29103), (500, 29193), (541, 29283), (552, 29307), (556, 29319), (584, 29385), (591, 29400), (602, 29424), (606, 29436),

Gene: Devera_22 Start: 16032, Stop: 17168, Start Num: 31

Candidate Starts for Devera_22:

(Start: 31 @16032 has 231 MA's), (Start: 67 @16149 has 6 MA's), (154, 16260), (162, 16281), (178, 16308), (215, 16410), (293, 16563), (334, 16644), (359, 16698), (372, 16719), (390, 16734), (476, 16845), (500, 16887), (539, 16980), (547, 17004), (584, 17097), (601, 17136), (608, 17154),

Gene: Dewey_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Dewey_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Dexdert_32 Start: 26991, Stop: 27968, Start Num: 72

Candidate Starts for Dexdert_32:

(Start: 72 @26991 has 35 MA's), (86, 27003), (Start: 109 @27030 has 16 MA's), (144, 27078), (146, 27081), (173, 27132), (202, 27210), (254, 27306), (270, 27339), (287, 27378), (359, 27507), (379, 27540), (407, 27576), (514, 27762), (532, 27792), (543, 27819), (556, 27855), (569, 27888), (600, 27957),

Gene: Dignity_29 Start: 19628, Stop: 20644, Start Num: 106

Candidate Starts for Dignity_29:

(Start: 106 @19628 has 240 MA's), (161, 19703), (173, 19721), (188, 19757), (199, 19796), (311, 20003), (329, 20042), (331, 20045), (377, 20132), (473, 20312), (521, 20414), (554, 20489), (558, 20501),

Gene: Diminimus_28 Start: 21456, Stop: 22367, Start Num: 96

Candidate Starts for Diminimus_28:

(Start: 96 @21456 has 21 MA's), (167, 21558), (177, 21576), (183, 21591), (212, 21663), (214, 21672), (260, 21750), (328, 21885), (329, 21888), (331, 21891), (368, 21960), (411, 22002), (425, 22008), (515, 22149), (527, 22170), (532, 22182), (596, 22305), (601, 22317),

Gene: DingDing_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for DingDing_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Dinger_22 Start: 15450, Stop: 16322, Start Num: 114

Candidate Starts for Dinger_22:

(Start: 114 @15450 has 85 MA's), (140, 15489), (186, 15576), (Start: 211 @15645 has 1 MA's), (254, 15723), (331, 15861), (521, 16086), (530, 16104), (558, 16173), (615, 16311),

Gene: DinoDaryn_23 Start: 15864, Stop: 16697, Start Num: 115

Candidate Starts for DinoDaryn_23:

(Start: 115 @15864 has 6 MA's), (Start: 118 @15867 has 5 MA's), (135, 15882), (158, 15921), (166, 15942), (168, 15945), (221, 16089), (324, 16275), (373, 16362), (432, 16446), (487, 16527), (522, 16611), (524, 16617), (531, 16629), (532, 16632), (541, 16656),

Gene: DinoNuggs_18 Start: 14313, Stop: 15155, Start Num: 109

Candidate Starts for DinoNuggs_18:

(8, 13857), (12, 13935), (35, 14133), (80, 14274), (Start: 109 @14313 has 16 MA's), (155, 14382), (170, 14412), (177, 14433), (191, 14466), (206, 14508), (207, 14511), (287, 14652), (331, 14718), (434, 14850), (506, 14925), (540, 14979), (558, 15021), (590, 15087), (605, 15126),

Gene: DirkDirk_17 Start: 15858, Stop: 16739, Start Num: 103

Candidate Starts for DirkDirk_17:

(62, 15804), (63, 15807), (Start: 89 @15840 has 16 MA's), (Start: 103 @15858 has 86 MA's), (125, 15882), (147, 15912), (155, 15927), (174, 15960), (246, 16104), (282, 16185), (329, 16260), (331, 16263), (335, 16269), (355, 16314), (376, 16341), (411, 16374), (425, 16380), (450, 16413), (455, 16422), (486, 16449), (538, 16569), (558, 16617), (571, 16644), (598, 16683), (601, 16689), (614, 16728),

Gene: DirtyBoi_19 Start: 16014, Stop: 16961, Start Num: 106

Candidate Starts for DirtyBoi_19:

(Start: 106 @16014 has 240 MA's), (208, 16209), (252, 16290), (259, 16302), (299, 16374), (313, 16380), (320, 16395), (353, 16455), (371, 16485), (375, 16491), (424, 16554), (438, 16578), (439, 16581), (460, 16620), (504, 16689), (527, 16731), (539, 16758), (558, 16800), (559, 16803), (564, 16815), (587, 16866), (600, 16890),

Gene: Discoknowium_23 Start: 18763, Stop: 19776, Start Num: 114

Candidate Starts for Discoknowium_23:

(Start: 114 @18763 has 85 MA's), (173, 18859), (186, 18892), (188, 18895), (199, 18934), (217, 18982), (311, 19135), (320, 19153), (331, 19177), (351, 19219), (511, 19531), (558, 19633), (569, 19660), (600, 19723),

Gene: DismalFunk_18 Start: 13889, Stop: 15016, Start Num: 33

Candidate Starts for DismalFunk_18:

(Start: 33 @13889 has 11 MA's), (38, 13898), (Start: 67 @14000 has 6 MA's), (140, 14090), (162, 14132), (163, 14135), (178, 14159), (214, 14258), (244, 14321), (261, 14360), (293, 14414), (328, 14480), (333, 14492), (355, 14543), (370, 14567), (433, 14645), (461, 14663), (476, 14693), (480, 14702), (500, 14735), (501, 14738), (547, 14852), (575, 14930), (584, 14945), (601, 14984), (608, 15002),

Gene: DismalStressor_18 Start: 13889, Stop: 15016, Start Num: 33

Candidate Starts for DismalStressor_18:

(Start: 33 @13889 has 11 MA's), (38, 13898), (Start: 67 @14000 has 6 MA's), (140, 14090), (162, 14132), (163, 14135), (178, 14159), (214, 14258), (244, 14321), (261, 14360), (293, 14414), (328, 14480), (333, 14492), (355, 14543), (370, 14567), (433, 14645), (461, 14663), (476, 14693), (480, 14702), (500, 14735), (501, 14738), (547, 14852), (575, 14930), (584, 14945), (601, 14984), (608, 15002),

Gene: Dixon_23 Start: 17634, Stop: 18656, Start Num: 114

Candidate Starts for Dixon_23:

(Start: 114 @17634 has 85 MA's), (183, 17757), (186, 17763), (212, 17835), (270, 17940), (280, 17967), (331, 18057), (440, 18258), (454, 18288), (455, 18291), (554, 18501), (569, 18540), (592, 18588), (600, 18603),

Gene: Dmitri_18 Start: 16558, Stop: 17505, Start Num: 106

Candidate Starts for Dmitri_18:

(Start: 106 @16558 has 240 MA's), (208, 16753), (252, 16834), (259, 16846), (299, 16918), (313, 16924), (320, 16939), (353, 16999), (371, 17029), (375, 17035), (424, 17098), (438, 17122), (439,

17125), (460, 17164), (504, 17233), (527, 17275), (558, 17344), (559, 17347), (564, 17359), (587, 17410), (600, 17434), (618, 17485), (620, 17488),

Gene: DoctorFroggo_33 Start: 29967, Stop: 30944, Start Num: 72

Candidate Starts for DoctorFroggo_33:

(Start: 72 @29967 has 35 MA's), (144, 30054), (161, 30090), (180, 30126), (254, 30282), (255, 30285), (287, 30354), (328, 30417), (332, 30426), (379, 30516), (405, 30549), (407, 30552), (502, 30705), (520, 30747), (532, 30768), (543, 30795), (550, 30816), (554, 30825), (556, 30831), (569, 30864), (570, 30867), (591, 30912), (594, 30921), (600, 30933),

Gene: Dogfish_20 Start: 17321, Stop: 18181, Start Num: 73

Candidate Starts for Dogfish_20:

(15, 17051), (Start: 73 @17321 has 29 MA's), (Start: 83 @17327 has 44 MA's), (Start: 112 @17363 has 15 MA's), (Start: 118 @17366 has 5 MA's), (200, 17528), (203, 17534), (209, 17549), (213, 17561), (273, 17657), (275, 17660), (277, 17669), (285, 17681), (293, 17696), (361, 17825), (464, 17921), (474, 17945), (494, 17966), (501, 17987), (510, 18017), (535, 18053), (554, 18107),

Gene: Doggs_17 Start: 16261, Stop: 17208, Start Num: 106

Candidate Starts for Doggs_17:

(Start: 106 @16261 has 240 MA's), (208, 16456), (252, 16537), (259, 16549), (299, 16621), (313, 16627), (320, 16642), (353, 16702), (371, 16732), (375, 16738), (424, 16801), (438, 16825), (439, 16828), (460, 16867), (504, 16936), (527, 16978), (539, 17005), (553, 17038), (558, 17047), (559, 17050), (564, 17062), (587, 17113), (600, 17137), (618, 17188), (620, 17191),

Gene: Dole_22 Start: 16034, Stop: 17170, Start Num: 31

Candidate Starts for Dole_22:

(Start: 31 @16034 has 231 MA's), (Start: 67 @16151 has 6 MA's), (154, 16262), (162, 16283), (178, 16310), (215, 16412), (293, 16565), (334, 16646), (359, 16700), (372, 16721), (390, 16736), (476, 16847), (500, 16889), (539, 16982), (547, 17006), (584, 17099), (601, 17138), (608, 17156),

Gene: DonkeyMan_17 Start: 14102, Stop: 14944, Start Num: 109

Candidate Starts for DonkeyMan_17:

(8, 13646), (12, 13724), (35, 13922), (80, 14063), (Start: 109 @14102 has 16 MA's), (155, 14171), (170, 14201), (177, 14222), (191, 14255), (206, 14297), (207, 14300), (287, 14441), (331, 14507), (434, 14639), (506, 14714), (540, 14768), (558, 14810), (590, 14876), (605, 14915),

Gene: Dorothea_30 Start: 18967, Stop: 19980, Start Num: 106

Candidate Starts for Dorothea_30:

(Start: 106 @18967 has 240 MA's), (147, 19021), (173, 19060), (212, 19165), (287, 19312), (311, 19342), (329, 19381), (331, 19384), (353, 19429), (385, 19489), (495, 19687), (558, 19837), (561, 19846),

Gene: DoubleChamp_20 Start: 16380, Stop: 17510, Start Num: 37

Candidate Starts for DoubleChamp_20:

(Start: 37 @16380 has 23 MA's), (121, 16554), (161, 16620), (162, 16623), (178, 16650), (214, 16749), (261, 16851), (293, 16905), (311, 16935), (328, 16971), (329, 16974), (333, 16983), (370, 17058), (372, 17061), (404, 17097), (433, 17139), (461, 17157), (465, 17163), (476, 17187), (477, 17190), (500, 17229), (584, 17439), (601, 17478), (608, 17496),

Gene: Douge_17 Start: 15701, Stop: 16588, Start Num: 103

Candidate Starts for Douge_17:

(Start: 103 @15701 has 86 MA's), (125, 15725), (145, 15752), (147, 15755), (155, 15770), (174, 15803), (212, 15899), (287, 16034), (292, 16043), (329, 16103), (331, 16106), (376, 16184), (401,

16199), (425, 16223), (486, 16292), (497, 16316), (503, 16334), (527, 16385), (538, 16412), (558, 16460), (571, 16487), (614, 16571),

Gene: Doughnut_18 Start: 13909, Stop: 15036, Start Num: 33

Candidate Starts for Doughnut_18:

(Start: 33 @13909 has 11 MA's), (38, 13918), (Start: 67 @14020 has 6 MA's), (140, 14110), (162, 14152), (178, 14179), (213, 14272), (214, 14278), (244, 14341), (261, 14380), (293, 14434), (333, 14512), (355, 14563), (370, 14587), (433, 14665), (461, 14683), (476, 14713), (500, 14755), (501, 14758), (547, 14872), (575, 14950), (584, 14965), (601, 15004), (608, 15022),

Gene: Douzhi_17 Start: 15692, Stop: 16579, Start Num: 103

Candidate Starts for Douzhi_17:

(Start: 103 @15692 has 86 MA's), (125, 15716), (145, 15743), (147, 15746), (155, 15761), (174, 15794), (212, 15890), (287, 16025), (292, 16034), (329, 16094), (331, 16097), (376, 16175), (401, 16190), (425, 16214), (450, 16247), (486, 16283), (497, 16307), (503, 16325), (505, 16334), (527, 16376), (538, 16403), (558, 16451), (571, 16478), (614, 16562),

Gene: DrHayes_22 Start: 15965, Stop: 17101, Start Num: 31

Candidate Starts for DrHayes_22:

(Start: 31 @15965 has 231 MA's), (Start: 67 @16082 has 6 MA's), (140, 16172), (154, 16193), (162, 16214), (178, 16241), (261, 16442), (293, 16496), (298, 16502), (334, 16577), (372, 16652), (390, 16667), (500, 16820), (539, 16913), (547, 16937), (584, 17030), (601, 17069), (608, 17087),

Gene: DrParker_15 Start: 11327, Stop: 12268, Start Num: 83

Candidate Starts for DrParker_15:

(68, 11306), (Start: 79 @11318 has 1 MA's), (81, 11321), (Start: 83 @11327 has 44 MA's), (Start: 110 @11360 has 84 MA's), (126, 11378), (149, 11405), (154, 11414), (165, 11441), (166, 11444), (168, 11447), (170, 11450), (174, 11462), (177, 11471), (182, 11486), (194, 11516), (206, 11546), (Start: 211 @11561 has 1 MA's), (213, 11567), (214, 11573), (215, 11576), (216, 11579), (242, 11627), (249, 11645), (270, 11687), (280, 11714), (315, 11756), (319, 11765), (331, 11792), (335, 11798), (367, 11861), (375, 11873), (406, 11915), (408, 11918), (441, 11972), (447, 11987), (458, 12008), (479, 12023), (489, 12038), (492, 12044), (499, 12062), (531, 12137), (532, 12140), (536, 12149), (554, 12197), (558, 12209), (561, 12218), (567, 12233), (569, 12239), (574, 12254),

Gene: DrSeegs_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for DrSeegs_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Drake55_29 Start: 19657, Stop: 20673, Start Num: 106

Candidate Starts for Drake55_29:

(Start: 106 @19657 has 240 MA's), (161, 19732), (173, 19750), (188, 19786), (199, 19825), (287, 20002), (311, 20032), (329, 20071), (331, 20074), (558, 20530), (568, 20554),

Gene: Dre3_17 Start: 14967, Stop: 15938, Start Num: 110

Candidate Starts for Dre3_17:

(58, 14892), (Start: 110 @14967 has 84 MA's), (143, 15012), (183, 15096), (202, 15150), (234, 15207), (247, 15231), (252, 15240), (254, 15243), (281, 15300), (320, 15360), (328, 15378), (371, 15450), (381, 15471), (438, 15552), (504, 15666), (540, 15735), (541, 15738), (553, 15765), (556, 15774), (566, 15798), (579, 15831), (589, 15849), (605, 15894), (616, 15924),

Gene: DreamTeam1_27 Start: 18680, Stop: 19702, Start Num: 106

Candidate Starts for DreamTeam1_27:

(Start: 106 @18680 has 240 MA's), (Start: 122 @18698 has 2 MA's), (147, 18734), (173, 18773), (270, 18989), (287, 19025), (311, 19055), (331, 19097), (353, 19142), (407, 19247), (450, 19319), (466, 19343), (467, 19349), (554, 19547), (558, 19559), (561, 19568), (568, 19583), (600, 19649),

Gene: Dublin_22 Start: 18616, Stop: 19629, Start Num: 114

Candidate Starts for Dublin_22:

(Start: 114 @18616 has 85 MA's), (173, 18712), (186, 18745), (188, 18748), (199, 18787), (270, 18922), (304, 18982), (311, 18988), (320, 19006), (331, 19030), (351, 19072), (511, 19384), (558, 19486), (569, 19513), (600, 19576),

Gene: DudeLittle_27 Start: 19254, Stop: 20270, Start Num: 106

Candidate Starts for DudeLittle_27:

(Start: 106 @19254 has 240 MA's), (161, 19329), (173, 19347), (188, 19383), (199, 19422), (311, 19629), (329, 19668), (331, 19671), (473, 19938), (521, 20040), (554, 20115), (558, 20127), (600, 20217), (601, 20220),

Gene: Dulcita_28 Start: 21456, Stop: 22367, Start Num: 96

Candidate Starts for Dulcita_28:

(Start: 96 @21456 has 21 MA's), (167, 21558), (177, 21576), (183, 21591), (212, 21663), (214, 21672), (260, 21750), (328, 21885), (329, 21888), (331, 21891), (368, 21960), (411, 22002), (425, 22008), (515, 22149), (527, 22170), (532, 22182), (596, 22305), (601, 22317),

Gene: DumpsterDude_18 Start: 15153, Stop: 16214, Start Num: 60

Candidate Starts for DumpsterDude_18:

(Start: 60 @15153 has 18 MA's), (140, 15246), (162, 15288), (188, 15336), (215, 15414), (251, 15504), (266, 15534), (304, 15606), (308, 15615), (310, 15618), (316, 15627), (335, 15669), (401, 15768), (444, 15837), (567, 16110), (600, 16182), (601, 16185),

Gene: DuncansLeg_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for DuncansLeg_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (214, 16700), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: Duplo_30 Start: 19080, Stop: 20090, Start Num: 106

Candidate Starts for Duplo_30:

(Start: 106 @19080 has 240 MA's), (161, 19155), (173, 19173), (247, 19344), (311, 19455), (329, 19494), (331, 19497), (353, 19542), (521, 19860), (554, 19935), (558, 19947), (568, 19971), (600, 20037),

Gene: Durfee_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Durfee_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Dusty_46 Start: 28440, Stop: 29321, Start Num: 76

Candidate Starts for Dusty_46:

(Start: 70 @28434 has 25 MA's), (Start: 76 @28440 has 13 MA's), (119, 28488), (140, 28515), (179, 28587), (214, 28683), (279, 28791), (333, 28884), (343, 28908), (350, 28923), (433, 29019), (476, 29067), (558, 29247), (571, 29283),

Gene: DyoEdafos_18 Start: 15909, Stop: 16796, Start Num: 103

Candidate Starts for DyoEdafos_18:

(Start: 103 @15909 has 86 MA's), (125, 15933), (145, 15960), (147, 15963), (155, 15978), (174, 16011), (212, 16107), (287, 16242), (292, 16251), (329, 16311), (331, 16314), (376, 16392), (401, 16407), (425, 16431), (486, 16500), (497, 16524), (538, 16620), (558, 16668), (571, 16695), (598, 16734), (614, 16779),

Gene: ECartman_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for ECartman_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: EMoore_30 Start: 28525, Stop: 29511, Start Num: 72

Candidate Starts for EMoore_30:

(Start: 72 @28525 has 35 MA's), (180, 28684), (202, 28744), (213, 28774), (249, 28831), (254, 28840), (287, 28912), (317, 28951), (326, 28972), (335, 28990), (379, 29074), (399, 29095), (407, 29110), (477, 29215), (478, 29218), (510, 29290), (518, 29302), (530, 29326), (532, 29332), (538, 29347), (544, 29365), (556, 29398), (569, 29431), (570, 29434), (600, 29500),

Gene: EZMoney23_31 Start: 21135, Stop: 22148, Start Num: 106

Candidate Starts for EZMoney23_31:

(Start: 106 @21135 has 240 MA's), (173, 21228), (188, 21264), (199, 21303), (311, 21510), (329, 21549), (331, 21552), (353, 21597), (385, 21657), (455, 21783), (473, 21816), (558, 22005), (568, 22029),

Gene: EagleEye_29 Start: 19925, Stop: 20941, Start Num: 106

Candidate Starts for EagleEye_29:

(Start: 106 @19925 has 240 MA's), (Start: 122 @19943 has 2 MA's), (173, 20018), (199, 20093), (233, 20156), (311, 20300), (329, 20339), (331, 20342), (377, 20429), (505, 20681), (511, 20696), (531, 20732), (558, 20798), (566, 20816), (568, 20822),

Gene: Ebony_27 Start: 19779, Stop: 20801, Start Num: 106

Candidate Starts for Ebony_27:

(Start: 106 @19779 has 240 MA's), (147, 19836), (183, 19911), (242, 20040), (270, 20100), (304, 20160), (311, 20166), (331, 20208), (353, 20253), (355, 20259), (401, 20343), (426, 20376), (558, 20658), (561, 20667), (568, 20682), (600, 20748),

Gene: Echild_27 Start: 19279, Stop: 20295, Start Num: 106

Candidate Starts for Echild_27:

(Start: 106 @19279 has 240 MA's), (161, 19354), (173, 19372), (188, 19408), (199, 19447), (311, 19654), (329, 19693), (331, 19696), (521, 20065), (554, 20140), (558, 20152),

Gene: EdmundFerry_30 Start: 26577, Stop: 27554, Start Num: 72

Candidate Starts for EdmundFerry_30:

(Start: 72 @26577 has 35 MA's), (86, 26589), (Start: 109 @26616 has 16 MA's), (144, 26664), (146, 26667), (173, 26718), (202, 26796), (254, 26892), (287, 26964), (359, 27093), (379, 27126), (407, 27162), (514, 27348), (532, 27378), (543, 27405), (556, 27441), (569, 27474), (600, 27543),

Gene: EdogawaKiddo_26 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for EdogawaKiddo_26:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: Edugator_19 Start: 16302, Stop: 17432, Start Num: 37

Candidate Starts for Edugator_19:

(Start: 37 @16302 has 23 MA's), (121, 16476), (161, 16542), (178, 16572), (214, 16671), (261, 16773), (293, 16827), (311, 16857), (328, 16893), (329, 16896), (333, 16905), (370, 16980), (372, 16983), (404, 17019), (433, 17061), (461, 17079), (465, 17085), (476, 17109), (477, 17112), (500, 17151), (542, 17253), (584, 17361), (601, 17400), (608, 17418),

Gene: Efra2_22 Start: 15227, Stop: 16363, Start Num: 31

Candidate Starts for Efra2_22:

(Start: 31 @15227 has 231 MA's), (Start: 67 @15344 has 6 MA's), (140, 15434), (154, 15455), (178, 15503), (293, 15758), (334, 15839), (372, 15914), (390, 15929), (476, 16040), (500, 16082), (534, 16160), (539, 16175), (547, 16199), (584, 16292), (601, 16331), (608, 16349),

Gene: Egi03_30 Start: 25124, Stop: 26056, Start Num: 91

Candidate Starts for Egi03_30:

(Start: 91 @25124 has 34 MA's), (161, 25220), (192, 25289), (194, 25295), (202, 25319), (209, 25334), (336, 25544), (390, 25622), (424, 25667), (438, 25691), (462, 25730), (522, 25826), (541, 25868), (556, 25904), (568, 25934), (589, 25979), (598, 26000), (617, 26051),

Gene: Eidsmoe_28 Start: 20557, Stop: 21570, Start Num: 106

Candidate Starts for Eidsmoe_28:

(Start: 106 @20557 has 240 MA's), (Start: 122 @20575 has 2 MA's), (161, 20632), (173, 20650), (188, 20686), (270, 20866), (287, 20902), (311, 20932), (331, 20974), (415, 21133), (495, 21277), (521, 21340), (554, 21415), (558, 21427), (568, 21451),

Gene: Ein37_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Ein37_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Ekdilam_19 Start: 16204, Stop: 17340, Start Num: 31

Candidate Starts for Ekdilam_19:

(Start: 31 @16204 has 231 MA's), (Start: 67 @16321 has 6 MA's), (Start: 84 @16339 has 6 MA's), (111, 16372), (140, 16411), (178, 16480), (214, 16579), (216, 16585), (293, 16735), (328, 16801), (333, 16813), (433, 16969), (465, 16993), (477, 17020), (500, 17059), (501, 17062), (539, 17152), (584, 17269), (601, 17308), (608, 17326),

Gene: ElJefes_16 Start: 14940, Stop: 15896, Start Num: 110

Candidate Starts for ElJefes_16:

(Start: 110 @14940 has 84 MA's), (143, 14985), (183, 15069), (202, 15123), (213, 15150), (247, 15201), (249, 15204), (252, 15210), (254, 15213), (281, 15267), (291, 15282), (319, 15324), (320, 15327), (331, 15351), (371, 15417), (438, 15513), (539, 15696), (540, 15699), (553, 15729), (556, 15738), (579, 15795), (603, 15846), (616, 15882), (618, 15888),

Gene: ElTiger69_23 Start: 17966, Stop: 18979, Start Num: 114

Candidate Starts for ElTiger69_23:

(Start: 114 @17966 has 85 MA's), (186, 18095), (188, 18098), (199, 18137), (270, 18272), (282, 18302), (304, 18332), (311, 18338), (320, 18356), (331, 18380), (351, 18422), (445, 18593), (558, 18836), (600, 18926),

Gene: Elephantoon_28 Start: 20168, Stop: 21190, Start Num: 106

Candidate Starts for Elephantoon_28:

(Start: 106 @20168 has 240 MA's), (Start: 122 @20186 has 2 MA's), (140, 20213), (161, 20243), (173, 20261), (188, 20297), (270, 20477), (287, 20513), (311, 20543), (331, 20585), (407, 20735), (415, 20744), (466, 20831), (495, 20897), (554, 21035), (558, 21047), (561, 21056), (568, 21071),

Gene: Elinal_18 Start: 14465, Stop: 15421, Start Num: 110

Candidate Starts for Elinal_18:

(Start: 110 @14465 has 84 MA's), (143, 14510), (173, 14567), (183, 14594), (202, 14648), (213, 14675), (247, 14726), (249, 14729), (252, 14735), (254, 14738), (281, 14792), (291, 14807), (319, 14849), (320, 14852), (331, 14876), (342, 14891), (371, 14942), (438, 15038), (540, 15224), (553, 15254), (556, 15263), (566, 15287), (579, 15320), (616, 15407), (618, 15413),

Gene: Elliott_17 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Elliott_17:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Elle_27 Start: 18087, Stop: 19064, Start Num: 110

Candidate Starts for Elle_27:

(Start: 110 @18087 has 84 MA's), (140, 18129), (176, 18186), (183, 18201), (186, 18207), (188, 18210), (217, 18297), (297, 18444), (389, 18594), (472, 18741), (558, 18921), (585, 18981), (593, 18996), (600, 19011),

Gene: Ellie_19 Start: 16200, Stop: 17336, Start Num: 31

Candidate Starts for Ellie_19:

(Start: 31 @16200 has 231 MA's), (Start: 67 @16317 has 6 MA's), (111, 16368), (178, 16476), (215, 16578), (216, 16581), (261, 16677), (293, 16731), (328, 16797), (333, 16809), (500, 17055), (501, 17058), (584, 17265), (601, 17304), (608, 17322),

Gene: Ellson_18 Start: 16498, Stop: 17388, Start Num: 103

Candidate Starts for Ellson_18:

(Start: 103 @16498 has 86 MA's), (125, 16522), (155, 16567), (161, 16582), (174, 16603), (212, 16699), (214, 16708), (287, 16834), (292, 16843), (329, 16903), (331, 16906), (335, 16912), (376, 16984), (411, 17017), (429, 17029), (486, 17092), (517, 17167), (540, 17218), (558, 17260), (614, 17371), (615, 17374),

Gene: Emalyn_16 Start: 14065, Stop: 15036, Start Num: 110

Candidate Starts for Emalyn_16:

(Start: 110 @14065 has 84 MA's), (143, 14110), (155, 14131), (173, 14167), (202, 14248), (247, 14326), (252, 14335), (254, 14338), (281, 14392), (288, 14404), (320, 14452), (344, 14494), (371, 14542), (402, 14593), (419, 14623), (438, 14653), (443, 14668), (445, 14671), (504, 14767), (511, 14785), (540, 14839), (541, 14842), (553, 14869), (556, 14878), (561, 14893), (587, 14950), (608, 14998), (616, 15022), (618, 15028),

Gene: Emerson_22 Start: 16011, Stop: 17147, Start Num: 31

Candidate Starts for Emerson_22:

(Start: 31 @16011 has 231 MA's), (Start: 67 @16128 has 6 MA's), (140, 16218), (154, 16239), (162, 16260), (178, 16287), (293, 16542), (334, 16623), (372, 16698), (390, 16713), (476, 16824), (500, 16866), (539, 16959), (547, 16983), (584, 17076), (601, 17115), (608, 17133),

Gene: Emianna_40 Start: 29879, Stop: 30820, Start Num: 87

Candidate Starts for Emianna_40:

(Start: 87 @29879 has 26 MA's), (150, 29966), (188, 30041), (Start: 211 @30107 has 1 MA's), (240, 30149), (267, 30206), (401, 30419), (415, 30446), (500, 30557), (558, 30689), (600, 30785),

Gene: EmyBug_28 Start: 20557, Stop: 21570, Start Num: 106

Candidate Starts for EmyBug_28:

(Start: 106 @20557 has 240 MA's), (Start: 122 @20575 has 2 MA's), (161, 20632), (173, 20650), (188, 20686), (270, 20866), (287, 20902), (311, 20932), (331, 20974), (415, 21133), (495, 21277), (521, 21340), (554, 21415), (558, 21427), (568, 21451),

Gene: Enceladus_17 Start: 15859, Stop: 16740, Start Num: 103

Candidate Starts for Enceladus_17:

(62, 15805), (63, 15808), (Start: 89 @15841 has 16 MA's), (Start: 103 @15859 has 86 MA's), (125, 15883), (147, 15913), (155, 15928), (174, 15961), (246, 16105), (282, 16186), (329, 16261), (331, 16264), (335, 16270), (355, 16315), (376, 16342), (411, 16375), (425, 16381), (450, 16414), (455, 16423), (486, 16450), (538, 16570), (558, 16618), (571, 16645), (598, 16684), (601, 16690), (614, 16729),

Gene: Engineer_48 Start: 28657, Stop: 29538, Start Num: 76

Candidate Starts for Engineer_48:

(Start: 70 @28651 has 25 MA's), (Start: 76 @28657 has 13 MA's), (119, 28705), (140, 28732), (179, 28804), (205, 28870), (214, 28900), (279, 29008), (333, 29101), (343, 29125), (350, 29140), (433, 29236), (476, 29284), (558, 29464), (571, 29500),

Gene: Enkosi_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Enkosi_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: Ennea_46 Start: 30548, Stop: 31465, Start Num: 87

Candidate Starts for Ennea_46:

(Start: 87 @30548 has 26 MA's), (150, 30626), (188, 30701), (240, 30809), (278, 30893), (398, 31073), (401, 31079), (535, 31295), (558, 31334), (592, 31409), (600, 31430), (608, 31451),

Gene: Enochoraptor_15 Start: 11298, Stop: 12239, Start Num: 83

Candidate Starts for Enochoraptor_15:

(74, 11283), (Start: 79 @11289 has 1 MA's), (81, 11292), (Start: 83 @11298 has 44 MA's), (Start: 110 @11331 has 84 MA's), (126, 11349), (149, 11376), (154, 11385), (166, 11415), (168, 11418), (170, 11421), (174, 11433), (177, 11442), (194, 11487), (206, 11517), (Start: 211 @11532 has 1 MA's), (214, 11544), (215, 11547), (216, 11550), (242, 11598), (249, 11616), (267, 11652), (270, 11658), (280, 11685), (294, 11709), (319, 11736), (331, 11763), (335, 11769), (367, 11832), (375, 11844), (406, 11886), (408, 11889), (410, 11892), (441, 11943), (447, 11958), (458, 11979), (479, 11994), (489, 12009), (492, 12015), (521, 12087), (522, 12090), (531, 12108), (532, 12111), (536, 12120), (554, 12168), (558, 12180), (561, 12189), (567, 12204), (569, 12210), (574, 12225),

Gene: Enoki_15 Start: 11280, Stop: 12221, Start Num: 83

Candidate Starts for Enoki_15:

(71, 11262), (Start: 83 @11280 has 44 MA's), (Start: 110 @11313 has 84 MA's), (Start: 115 @11319 has 6 MA's), (126, 11331), (149, 11358), (154, 11367), (166, 11397), (168, 11400), (170, 11403), (174, 11415), (177, 11424), (182, 11439), (194, 11469), (206, 11499), (Start: 211 @11514 has 1 MA's), (214, 11526), (215, 11529), (216, 11532), (220, 11541), (230, 11556), (242, 11580), (249, 11598), (267, 11634), (270, 11640), (280, 11667), (282, 11670), (294, 11691), (319, 11718), (329, 11742), (335, 11751), (367, 11814), (375, 11826), (406, 11868), (408, 11871), (410, 11874), (417, 11886), (441, 11925), (447, 11940), (458, 11961), (479, 11976), (489, 11991), (492, 11997), (521, 12069), (522, 12072), (531, 12090), (532, 12093), (536, 12102), (554, 12150), (558, 12162), (561, 12171), (567, 12186), (569, 12192), (574, 12207),

Gene: Eponine_23 Start: 17390, Stop: 18523, Start Num: 31

Candidate Starts for Eponine_23:

(Start: 31 @17390 has 231 MA's), (54, 17480), (Start: 67 @17510 has 6 MA's), (140, 17600), (162, 17642), (163, 17645), (172, 17657), (331, 17993), (333, 17999), (370, 18074), (433, 18152), (459, 18167), (476, 18200), (500, 18242), (501, 18245), (540, 18338), (584, 18452), (601, 18491), (608, 18509),

Gene: Epsocamisio_29 Start: 18119, Stop: 19096, Start Num: 110

Candidate Starts for Epsocamisio_29:

(Start: 110 @18119 has 84 MA's), (183, 18233), (186, 18239), (188, 18242), (297, 18476), (452, 18743), (493, 18797), (558, 18953),

Gene: Equemioh13_29 Start: 19643, Stop: 20659, Start Num: 106

Candidate Starts for Equemioh13_29:

(Start: 106 @19643 has 240 MA's), (161, 19718), (173, 19736), (188, 19772), (199, 19811), (287, 19988), (311, 20018), (329, 20057), (331, 20060), (558, 20516), (568, 20540),

Gene: EricB_30 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for EricB_30:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: Erik_22 Start: 15479, Stop: 16351, Start Num: 114

Candidate Starts for Erik_22:

(Start: 114 @15479 has 85 MA's), (140, 15518), (183, 15599), (186, 15605), (Start: 211 @15674 has 1 MA's), (254, 15752), (270, 15785), (282, 15812), (331, 15890), (409, 15986), (521, 16115), (530, 16133), (554, 16190), (558, 16202), (574, 16244), (615, 16340),

Gene: Espica_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Espica_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Estes_32 Start: 22177, Stop: 23088, Start Num: 96

Candidate Starts for Estes_32:

(Start: 96 @22177 has 21 MA's), (Start: 105 @22186 has 1 MA's), (147, 22240), (163, 22276), (167, 22279), (177, 22297), (183, 22312), (Start: 211 @22381 has 1 MA's), (212, 22384), (329, 22609), (331, 22612), (345, 22642), (411, 22723), (425, 22729), (532, 22903), (538, 22918), (553, 22951), (613, 23074),

Gene: Et2Brutus_26 Start: 19739, Stop: 20761, Start Num: 106

Candidate Starts for Et2Brutus_26:

(Start: 106 @19739 has 240 MA's), (147, 19796), (183, 19871), (242, 20000), (270, 20060), (304, 20120), (311, 20126), (331, 20168), (353, 20213), (355, 20219), (401, 20303), (426, 20336), (558, 20618), (561, 20627), (568, 20642), (600, 20708),

Gene: Evamon_30 Start: 24920, Stop: 25864, Start Num: 91

Candidate Starts for Evamon_30:

(Start: 91 @24920 has 34 MA's), (161, 25025), (192, 25094), (194, 25100), (202, 25124), (209, 25139), (438, 25499), (443, 25514), (456, 25532), (522, 25634), (541, 25676), (556, 25712), (589, 25787), (598, 25808), (617, 25859),

Gene: Evanesce_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Evanesce_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: EvilGenius_29 Start: 19596, Stop: 20612, Start Num: 106

Candidate Starts for EvilGenius_29:

(Start: 106 @19596 has 240 MA's), (161, 19671), (173, 19689), (188, 19725), (199, 19764), (311, 19971), (329, 20010), (331, 20013), (377, 20100), (473, 20280), (521, 20382), (554, 20457), (558, 20469),

Gene: Ewald_21 Start: 17595, Stop: 18455, Start Num: 73

Candidate Starts for Ewald_21:

(Start: 73 @17595 has 29 MA's), (Start: 83 @17601 has 44 MA's), (Start: 91 @17613 has 34 MA's), (Start: 112 @17637 has 15 MA's), (Start: 118 @17640 has 5 MA's), (203, 17808), (209, 17823), (213, 17835), (273, 17931), (275, 17934), (277, 17943), (285, 17955), (293, 17970), (361, 18099), (474, 18219), (494, 18240), (501, 18261), (554, 18381),

Gene: Expelliarmus_22 Start: 17601, Stop: 18623, Start Num: 114

Candidate Starts for Expelliarmus_22:

(Start: 114 @17601 has 85 MA's), (183, 17724), (186, 17730), (212, 17802), (270, 17907), (280, 17934), (331, 18024), (440, 18225), (454, 18255), (455, 18258), (554, 18468), (569, 18507), (592, 18555), (600, 18570),

Gene: ExplosioNervosa_28 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for ExplosioNervosa_28:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: Eyes_18 Start: 15709, Stop: 16635, Start Num: 106

Candidate Starts for Eyes_18:

(14, 15391), (24, 15490), (40, 15577), (86, 15691), (Start: 106 @15709 has 240 MA's), (Start: 117 @15718 has 6 MA's), (147, 15760), (Start: 151 @15772 has 1 MA's), (259, 15994), (283, 16039), (299, 16063), (313, 16069), (317, 16078), (320, 16084), (335, 16114), (353, 16144), (371, 16174), (375, 16180), (388, 16195), (421, 16240), (424, 16243), (438, 16267), (486, 16324), (496, 16345), (527, 16411), (558, 16480), (581, 16534), (616, 16618),

Gene: FF47_20 Start: 14818, Stop: 15930, Start Num: 34

Candidate Starts for FF47_20:

(Start: 34 @14818 has 4 MA's), (42, 14866), (116, 14974), (121, 14983), (163, 15052), (179, 15079), (236, 15226), (295, 15334), (333, 15409), (336, 15418), (353, 15454), (404, 15523), (433, 15565), (480, 15619), (508, 15676), (552, 15781), (554, 15787), (599, 15892),

Gene: Fairfaxidum_18 Start: 15961, Stop: 16821, Start Num: 70

Candidate Starts for Fairfaxidum_18:

(Start: 70 @15961 has 25 MA's), (Start: 93 @15976 has 8 MA's), (121, 16006), (138, 16027), (183, 16117), (213, 16198), (333, 16402), (334, 16405), (494, 16600), (538, 16690), (553, 16732), (570, 16780), (572, 16786),

Gene: Faith1_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Faith1_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Faiyaz_23 Start: 18613, Stop: 19611, Start Num: 50

Candidate Starts for Faiyaz_23:

(Start: 50 @18613 has 6 MA's), (Start: 99 @18679 has 6 MA's), (161, 18769), (163, 18775), (189, 18823), (206, 18871), (214, 18898), (230, 18925), (231, 18928), (244, 18949), (271, 19000), (299, 19051), (305, 19060), (319, 19087), (351, 19162), (365, 19186), (465, 19276), (476, 19300), (477, 19303), (500, 19339), (522, 19393), (527, 19402), (543, 19444), (544, 19447), (575, 19528), (581, 19537), (601, 19582),

Gene: Fameo_27 Start: 19223, Stop: 20239, Start Num: 106

Candidate Starts for Fameo_27:

(Start: 106 @19223 has 240 MA's), (161, 19298), (173, 19316), (188, 19352), (199, 19391), (311, 19598), (329, 19637), (331, 19640), (473, 19907), (521, 20009), (554, 20084), (558, 20096), (600, 20186),

Gene: Farewell_15 Start: 15126, Stop: 16142, Start Num: 78

Candidate Starts for Farewell_15:

(Start: 78 @15126 has 2 MA's), (82, 15135), (107, 15165), (156, 15234), (164, 15255), (214, 15375), (217, 15384), (254, 15471), (287, 15537), (331, 15624), (335, 15630), (398, 15714), (411, 15738), (422, 15741), (540, 15939), (546, 15951), (561, 15990), (578, 16017), (586, 16032), (619, 16122),

Gene: FarmResident_17 Start: 15745, Stop: 16632, Start Num: 103

Candidate Starts for FarmResident_17:

(Start: 103 @15745 has 86 MA's), (125, 15769), (145, 15796), (147, 15799), (155, 15814), (174, 15847), (212, 15943), (287, 16078), (292, 16087), (329, 16147), (331, 16150), (376, 16228), (401, 16243), (425, 16267), (486, 16336), (497, 16360), (503, 16378), (527, 16429), (538, 16456), (558, 16504), (571, 16531), (614, 16615),

Gene: FatCactus_25 Start: 17601, Stop: 18611, Start Num: 106

Candidate Starts for FatCactus_25:

(Start: 106 @17601 has 240 MA's), (161, 17676), (173, 17694), (188, 17730), (199, 17769), (242, 17850), (311, 17976), (329, 18015), (331, 18018), (401, 18153), (473, 18279), (516, 18372), (521, 18381), (531, 18402), (558, 18468), (568, 18492), (584, 18525), (600, 18558),

Gene: Fayely_28 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for Fayely_28:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: Feastonyeet_16 Start: 14508, Stop: 15464, Start Num: 110

Candidate Starts for Feastonyeet_16:

(Start: 110 @14508 has 84 MA's), (143, 14553), (173, 14610), (183, 14637), (202, 14691), (213, 14718), (247, 14769), (249, 14772), (252, 14778), (254, 14781), (281, 14835), (291, 14850), (320, 14895), (331, 14919), (371, 14985), (438, 15081), (540, 15267), (553, 15297), (556, 15306), (566, 15330), (579, 15363), (616, 15450), (618, 15456),

Gene: Fefferhead_21 Start: 16367, Stop: 17503, Start Num: 31

Candidate Starts for Fefferhead_21:

(Start: 31 @16367 has 231 MA's), (Start: 67 @16484 has 6 MA's), (111, 16535), (178, 16643), (215, 16745), (216, 16748), (261, 16844), (293, 16898), (328, 16964), (333, 16976), (500, 17222), (501, 17225), (584, 17432), (601, 17471), (608, 17489),

Gene: FeliMaine_51 Start: 26439, Stop: 27401, Start Num: 103

Candidate Starts for FeliMaine_51:

(Start: 103 @26439 has 86 MA's), (183, 26571), (192, 26595), (196, 26604), (198, 26610), (202, 26619), (212, 26643), (214, 26652), (219, 26664), (224, 26676), (280, 26790), (324, 26871), (331, 26886), (335, 26892), (411, 27000), (505, 27126), (507, 27132), (544, 27207), (577, 27282), (581, 27288), (588, 27300), (590, 27303), (621, 27390), (623, 27393), (624, 27396),

Gene: Fenry_17 Start: 15512, Stop: 16372, Start Num: 70

Candidate Starts for Fenry_17:

(Start: 70 @15512 has 25 MA's), (183, 15668), (213, 15749), (248, 15806), (275, 15848), (334, 15956), (398, 16040), (461, 16106), (465, 16112), (494, 16151), (538, 16241), (553, 16283),

Gene: Feyre_20 Start: 16241, Stop: 17371, Start Num: 37

Candidate Starts for Feyre_20:

(Start: 37 @16241 has 23 MA's), (162, 16484), (178, 16511), (214, 16610), (261, 16712), (293, 16766), (311, 16796), (328, 16832), (329, 16835), (333, 16844), (370, 16919), (372, 16922), (404, 16958), (433, 17000), (461, 17018), (465, 17024), (476, 17048), (477, 17051), (480, 17057), (500, 17090), (584, 17300), (601, 17339), (608, 17357),

Gene: Fibonacci_27 Start: 19733, Stop: 20755, Start Num: 106

Candidate Starts for Fibonacci_27:

(Start: 106 @19733 has 240 MA's), (147, 19790), (183, 19865), (242, 19994), (270, 20054), (304, 20114), (311, 20120), (331, 20162), (353, 20207), (355, 20213), (401, 20297), (426, 20330), (558, 20612), (561, 20621), (568, 20636), (600, 20702),

Gene: Findley_18 Start: 13892, Stop: 15019, Start Num: 33

Candidate Starts for Findley_18:

(Start: 33 @13892 has 11 MA's), (38, 13901), (Start: 67 @14003 has 6 MA's), (140, 14093), (162, 14135), (163, 14138), (178, 14162), (214, 14261), (244, 14324), (261, 14363), (293, 14417), (328, 14483), (333, 14495), (355, 14546), (370, 14570), (433, 14648), (461, 14666), (476, 14696), (480, 14705), (500, 14738), (501, 14741), (547, 14855), (575, 14933), (584, 14948), (601, 14987), (608, 15005),

Gene: Finemlucis_17 Start: 16080, Stop: 16994, Start Num: 103

Candidate Starts for Finemlucis_17:

(Start: 103 @16080 has 86 MA's), (125, 16104), (147, 16134), (206, 16260), (246, 16332), (328, 16485), (329, 16488), (331, 16491), (345, 16521), (398, 16578), (411, 16602), (425, 16608), (486, 16677), (495, 16695), (502, 16716), (532, 16782), (558, 16845), (614, 16974), (619, 16986),

Gene: Finnry_18 Start: 16494, Stop: 17384, Start Num: 103

Candidate Starts for Finnry_18:

(Start: 103 @16494 has 86 MA's), (125, 16518), (155, 16563), (161, 16578), (174, 16599), (212, 16695), (287, 16830), (292, 16839), (329, 16899), (331, 16902), (335, 16908), (376, 16980), (411, 17013), (486, 17088), (506, 17142), (517, 17163), (540, 17214), (558, 17256), (614, 17367), (615, 17370),

Gene: Fionnbharth_23 Start: 17490, Stop: 18623, Start Num: 31

Candidate Starts for Fionnbharth_23:

(Start: 31 @17490 has 231 MA's), (38, 17508), (54, 17580), (Start: 67 @17610 has 6 MA's), (140, 17700), (162, 17742), (177, 17766), (215, 17871), (331, 18093), (333, 18099), (431, 18249), (433, 18252), (461, 18270), (476, 18300), (500, 18342), (501, 18345), (522, 18396), (575, 18537), (584, 18552), (601, 18591), (608, 18609),

Gene: Fireball_31 Start: 25055, Stop: 25987, Start Num: 91

Candidate Starts for Fireball_31:

(Start: 91 @25055 has 34 MA's), (161, 25151), (192, 25220), (194, 25226), (202, 25250), (209, 25265), (214, 25283), (336, 25475), (390, 25553), (424, 25598), (438, 25622), (462, 25661), (522, 25757), (541, 25799), (556, 25835), (568, 25865), (589, 25910), (598, 25931), (617, 25982),

Gene: FiringLine_27 Start: 19105, Stop: 20121, Start Num: 106

Candidate Starts for FiringLine_27:

(Start: 106 @19105 has 240 MA's), (161, 19180), (173, 19198), (188, 19234), (199, 19273), (311, 19480), (329, 19519), (331, 19522), (473, 19789), (521, 19891), (554, 19966), (558, 19978), (600, 20068),

Gene: First_0027 Start: 19219, Stop: 20229, Start Num: 106

Candidate Starts for First_0027:

(Start: 106 @19219 has 240 MA's), (147, 19273), (173, 19312), (199, 19387), (270, 19528), (311, 19594), (329, 19633), (331, 19636), (455, 19864), (473, 19897), (521, 19999), (531, 20020), (554, 20074), (558, 20086), (600, 20176),

Gene: Fitzgerald_32 Start: 29941, Stop: 30897, Start Num: 85

Candidate Starts for Fitzgerald_32:

(Start: 85 @29941 has 58 MA's), (194, 30127), (197, 30139), (209, 30166), (215, 30187), (255, 30247), (319, 30337), (336, 30373), (352, 30406), (360, 30421), (367, 30433), (392, 30463), (396, 30469), (438, 30529), (500, 30619), (541, 30709), (552, 30733), (556, 30745), (584, 30811), (591, 30826), (602, 30850), (606, 30862), (617, 30892),

Gene: FlagStaff_17 Start: 15628, Stop: 16848, Start Num: 25

Candidate Starts for FlagStaff_17:

(5, 15304), (Start: 25 @15628 has 1 MA's), (Start: 31 @15664 has 231 MA's), (Start: 67 @15790 has 6 MA's), (124, 15850), (140, 15874), (162, 15916), (163, 15919), (208, 16021), (215, 16045), (221, 16060), (222, 16066), (236, 16105), (240, 16111), (319, 16255), (326, 16273), (335, 16294), (338, 16300), (348, 16324), (368, 16360), (476, 16525), (500, 16567), (502, 16573), (568, 16744), (599, 16810),

Gene: Flapper_44 Start: 30267, Stop: 31184, Start Num: 87

Candidate Starts for Flapper_44:

(Start: 87 @30267 has 26 MA's), (150, 30345), (214, 30498), (287, 30627), (401, 30798), (558, 31053), (592, 31128), (600, 31149),

Gene: Flare16_27 Start: 19201, Stop: 20217, Start Num: 106

Candidate Starts for Flare16_27:

(Start: 106 @19201 has 240 MA's), (161, 19276), (173, 19294), (188, 19330), (199, 19369), (287, 19546), (311, 19576), (329, 19615), (331, 19618), (558, 20074), (568, 20098),

Gene: Flatwoods_34 Start: 28876, Stop: 29832, Start Num: 85

Candidate Starts for Flatwoods_34:

(Start: 85 @28876 has 58 MA's), (183, 29032), (194, 29062), (197, 29074), (202, 29086), (209, 29101), (213, 29113), (319, 29272), (336, 29308), (367, 29368), (381, 29392), (396, 29404), (438, 29464), (500, 29554), (541, 29644), (552, 29668), (556, 29680), (584, 29746), (591, 29761), (602, 29785), (606, 29797),

Gene: Flaverint_27 Start: 19730, Stop: 20752, Start Num: 106

Candidate Starts for Flaverint_27:

(Start: 106 @19730 has 240 MA's), (147, 19787), (183, 19862), (242, 19991), (270, 20051), (304, 20111), (311, 20117), (331, 20159), (353, 20204), (355, 20210), (401, 20294), (426, 20327), (558, 20609), (561, 20618), (568, 20633), (600, 20699),

Gene: Float294_42 Start: 29990, Stop: 30907, Start Num: 87

Candidate Starts for Float294_42:

(Start: 87 @29990 has 26 MA's), (150, 30068), (188, 30143), (240, 30251), (278, 30335), (398, 30515), (401, 30521), (535, 30737), (558, 30776), (592, 30851), (597, 30863), (600, 30872), (608, 30893),

Gene: Florence1_23 Start: 18436, Stop: 19449, Start Num: 114

Candidate Starts for Florence1_23:

(Start: 114 @18436 has 85 MA's), (173, 18532), (186, 18565), (188, 18568), (270, 18742), (282, 18772), (304, 18802), (311, 18808), (320, 18826), (331, 18850), (351, 18892), (445, 19063), (511, 19204), (558, 19306), (569, 19333), (600, 19396),

Gene: Florence4_24 Start: 18436, Stop: 19449, Start Num: 114

Candidate Starts for Florence4_24:

(Start: 114 @18436 has 85 MA's), (173, 18532), (186, 18565), (188, 18568), (270, 18742), (282, 18772), (304, 18802), (311, 18808), (320, 18826), (331, 18850), (351, 18892), (445, 19063), (511, 19204), (558, 19306), (569, 19333), (600, 19396),

Gene: ForGetIt_23 Start: 18499, Stop: 19512, Start Num: 114

Candidate Starts for ForGetIt_23:

(Start: 114 @18499 has 85 MA's), (173, 18595), (186, 18628), (188, 18631), (199, 18670), (217, 18718), (311, 18871), (320, 18889), (331, 18913), (351, 18955), (511, 19267), (558, 19369), (569, 19396),

Gene: ForesterFrank_28 Start: 20675, Stop: 21688, Start Num: 106

Candidate Starts for ForesterFrank_28:

(Start: 106 @20675 has 240 MA's), (173, 20768), (188, 20804), (199, 20843), (311, 21050), (329, 21089), (331, 21092), (353, 21137), (385, 21197), (454, 21320), (455, 21323), (558, 21545),

Gene: Forge_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Forge_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266,

16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Forza_100 Start: 59008, Stop: 59943, Start Num: 84

Candidate Starts for Forza_100:

(Start: 84 @59008 has 6 MA's), (Start: 97 @59023 has 2 MA's), (Start: 103 @59029 has 86 MA's), (Start: 109 @59035 has 16 MA's), (177, 59152), (178, 59155), (196, 59206), (210, 59242), (282, 59377), (313, 59413), (326, 59443), (480, 59695), (502, 59740), (512, 59770), (516, 59776), (532, 59803), (547, 59842), (573, 59911),

Gene: Fosterous_32 Start: 29783, Stop: 30739, Start Num: 85

Candidate Starts for Fosterous_32:

(Start: 85 @29783 has 58 MA's), (194, 29969), (197, 29981), (209, 30008), (215, 30029), (255, 30089), (317, 30176), (319, 30179), (336, 30215), (352, 30248), (360, 30263), (367, 30275), (392, 30305), (396, 30311), (438, 30371), (500, 30461), (541, 30551), (552, 30575), (556, 30587), (584, 30653), (591, 30668), (602, 30692), (606, 30704), (617, 30734),

Gene: Foxboro_41 Start: 30385, Stop: 31326, Start Num: 87

Candidate Starts for Foxboro_41:

(Start: 87 @30385 has 26 MA's), (150, 30472), (188, 30547), (Start: 211 @30613 has 1 MA's), (240, 30655), (267, 30712), (401, 30925), (415, 30952), (500, 31063), (558, 31195), (600, 31291),

Gene: Francois_21 Start: 16316, Stop: 17377, Start Num: 60

Candidate Starts for Francois_21:

(Start: 60 @16316 has 18 MA's), (Start: 99 @16361 has 6 MA's), (124, 16391), (188, 16499), (245, 16649), (266, 16697), (310, 16781), (316, 16790), (335, 16832), (468, 17042), (491, 17078), (567, 17273), (600, 17345), (601, 17348),

Gene: FreakyGoo_28 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for FreakyGoo_28:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: Fribs8_18 Start: 15556, Stop: 16521, Start Num: 110

Candidate Starts for Fribs8_18:

(Start: 110 @15556 has 84 MA's), (143, 15601), (173, 15658), (183, 15685), (202, 15739), (247, 15820), (252, 15829), (254, 15832), (288, 15901), (320, 15949), (328, 15967), (371, 16039), (381, 16054), (419, 16105), (421, 16108), (504, 16249), (540, 16318), (541, 16321), (553, 16348), (556, 16357), (566, 16381), (579, 16414), (584, 16423), (589, 16432), (605, 16477), (616, 16507), (618, 16513),

Gene: Frickyeah_19 Start: 15508, Stop: 16431, Start Num: 112

Candidate Starts for Frickyeah_19:

(Start: 112 @15508 has 15 MA's), (Start: 117 @15511 has 6 MA's), (125, 15523), (139, 15541), (163, 15586), (183, 15625), (197, 15664), (Start: 211 @15697 has 1 MA's), (213, 15703), (252, 15772), (281, 15826), (283, 15829), (286, 15832), (293, 15844), (320, 15874), (328, 15892), (360, 15946), (367, 15958), (371, 15964), (388, 15985), (424, 16033), (438, 16057), (443, 16072), (445, 16075), (462, 16096), (539, 16228), (540, 16231), (543, 16237), (558, 16270), (566, 16288), (579, 16321), (603, 16372), (609, 16387), (622, 16423),

Gene: Frizzle_15 Start: 13493, Stop: 14353, Start Num: 73

Candidate Starts for Frizzle_15:

(Start: 67 @13487 has 6 MA's), (Start: 73 @13493 has 29 MA's), (Start: 110 @13520 has 84 MA's), (Start: 112 @13523 has 15 MA's), (200, 13682), (216, 13727), (217, 13730), (278, 13832), (290, 13850), (347, 13958), (501, 14144), (502, 14147), (537, 14219), (560, 14285), (573, 14321),

Gene: Frokostdame_18 Start: 15774, Stop: 16619, Start Num: 93

Candidate Starts for Frokostdame_18:

(Start: 70 @15759 has 25 MA's), (Start: 93 @15774 has 8 MA's), (164, 15876), (183, 15915), (213, 15996), (267, 16080), (275, 16095), (334, 16203), (398, 16287), (461, 16353), (465, 16359), (494, 16398), (538, 16488), (553, 16530),

Gene: Frosty24_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Frosty24_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Fryberger_52 Start: 26990, Stop: 27934, Start Num: 101

Candidate Starts for Fryberger_52:

(Start: 98 @26987 has 1 MA's), (Start: 101 @26990 has 12 MA's), (177, 27110), (213, 27206), (276, 27308), (319, 27374), (328, 27395), (331, 27401), (356, 27452), (371, 27476), (438, 27569), (462, 27608), (530, 27719), (532, 27725), (536, 27734), (539, 27740), (553, 27773), (556, 27782), (559, 27791), (566, 27806), (600, 27881), (604, 27893), (609, 27905), (616, 27926),

Gene: FuegoCuervo_36 Start: 28328, Stop: 29284, Start Num: 85

Candidate Starts for FuegoCuervo_36:

(Start: 85 @28328 has 58 MA's), (194, 28514), (197, 28526), (209, 28553), (215, 28574), (255, 28634), (317, 28721), (319, 28724), (336, 28760), (352, 28793), (360, 28808), (367, 28820), (392, 28850), (396, 28856), (438, 28916), (500, 29006), (541, 29096), (552, 29120), (556, 29132), (584, 29198), (591, 29213), (602, 29237), (606, 29249), (617, 29279),

Gene: Fugax_32 Start: 25634, Stop: 26578, Start Num: 91

Candidate Starts for Fugax_32:

(Start: 91 @25634 has 34 MA's), (161, 25739), (192, 25808), (194, 25814), (202, 25838), (209, 25853), (438, 26213), (443, 26228), (456, 26246), (522, 26348), (541, 26390), (556, 26426), (598, 26522), (617, 26573),

Gene: Fury_49 Start: 29757, Stop: 30677, Start Num: 87

Candidate Starts for Fury_49:

(Start: 87 @29757 has 26 MA's), (150, 29838), (188, 29913), (206, 29964), (267, 30078), (398, 30285), (558, 30546), (587, 30609), (600, 30642),

Gene: GEazy_18 Start: 15730, Stop: 16650, Start Num: 117

Candidate Starts for GEazy_18:

(86, 15700), (Start: 106 @15721 has 240 MA's), (Start: 117 @15730 has 6 MA's), (147, 15772), (259, 16006), (283, 16051), (299, 16075), (313, 16081), (317, 16090), (320, 16096), (335, 16126), (353, 16156), (371, 16186), (375, 16192), (424, 16255), (438, 16279), (486, 16336), (527, 16423), (558, 16492), (604, 16597), (616, 16630),

Gene: GMA2_29 Start: 30651, Stop: 31595, Start Num: 72

Candidate Starts for GMA2_29:

(Start: 72 @30651 has 35 MA's), (Start: 103 @30681 has 86 MA's), (Start: 109 @30687 has 16 MA's),
(120, 30702), (148, 30750), (178, 30807), (206, 30882), (213, 30903), (242, 30942), (282, 31029),
(313, 31065), (319, 31077), (323, 31086), (326, 31095), (353, 31152), (482, 31350), (502, 31392),
(516, 31428), (532, 31455), (535, 31461), (547, 31494), (556, 31518), (573, 31563),

Gene: GRU1_30 Start: 22167, Stop: 23084, Start Num: 87

Candidate Starts for GRU1_30:

(Start: 87 @22167 has 26 MA's), (150, 22245), (214, 22398), (278, 22512), (287, 22527), (325, 22590),
(401, 22698), (558, 22953), (592, 23028), (600, 23049),

Gene: GTE2_15 Start: 14148, Stop: 15074, Start Num: 143

Candidate Starts for GTE2_15:

(Start: 110 @14103 has 84 MA's), (143, 14148), (155, 14169), (173, 14205), (192, 14256), (202,
14286), (247, 14364), (252, 14373), (254, 14376), (281, 14430), (288, 14442), (320, 14490), (344,
14532), (371, 14580), (402, 14631), (419, 14661), (438, 14691), (443, 14706), (445, 14709), (504,
14805), (511, 14823), (539, 14874), (540, 14877), (553, 14907), (556, 14916), (561, 14931), (587,
14988), (608, 15036), (616, 15060), (618, 15066),

Gene: GTE5_31 Start: 23122, Stop: 24039, Start Num: 87

Candidate Starts for GTE5_31:

(Start: 87 @23122 has 26 MA's), (150, 23200), (214, 23353), (287, 23482), (401, 23653), (505, 23809),
(558, 23908), (592, 23983), (600, 24004),

Gene: GTE6_31 Start: 27069, Stop: 28046, Start Num: 72

Candidate Starts for GTE6_31:

(Start: 72 @27069 has 35 MA's), (86, 27081), (Start: 109 @27108 has 16 MA's), (144, 27156), (173,
27210), (202, 27288), (254, 27384), (270, 27417), (287, 27456), (359, 27585), (379, 27618), (407,
27654), (514, 27840), (532, 27870), (556, 27933), (569, 27966), (600, 28035),

Gene: GTE8_29 Start: 23138, Stop: 24079, Start Num: 87

Candidate Starts for GTE8_29:

(Start: 87 @23138 has 26 MA's), (150, 23225), (188, 23300), (240, 23408), (259, 23447), (325, 23570),
(401, 23678), (500, 23816), (558, 23948), (600, 24044),

Gene: Gabriela_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Gabriela_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328,
16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486,
16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Gaea_33 Start: 28524, Stop: 29480, Start Num: 85

Candidate Starts for Gaea_33:

(Start: 85 @28524 has 58 MA's), (183, 28680), (194, 28710), (197, 28722), (202, 28734), (209, 28749),
(213, 28761), (319, 28920), (336, 28956), (367, 29016), (381, 29040), (396, 29052), (438, 29112),
(500, 29202), (523, 29253), (541, 29292), (552, 29316), (556, 29328), (584, 29394), (591, 29409),
(600, 29427), (602, 29433), (606, 29445),

Gene: Gagieri_44 Start: 30280, Stop: 31170, Start Num: 122

Candidate Starts for Gagieri_44:

(Start: 56 @30193 has 23 MA's), (Start: 84 @30241 has 6 MA's), (Start: 122 @30280 has 2 MA's),
(188, 30397), (199, 30436), (208, 30454), (240, 30505), (287, 30604), (331, 30679), (336, 30688),
(481, 30892), (500, 30922), (513, 30958), (534, 30997), (558, 31039), (587, 31102), (592, 31114),
(600, 31135),

Gene: Gaia_13 Start: 13325, Stop: 14437, Start Num: 44

Candidate Starts for Gaia_13:

(Start: 44 @13325 has 3 MA's), (45, 13328), (Start: 109 @13421 has 16 MA's), (116, 13427), (147, 13472), (161, 13502), (177, 13529), (178, 13532), (180, 13538), (188, 13553), (189, 13556), (213, 13625), (214, 13631), (244, 13709), (275, 13766), (293, 13802), (328, 13868), (333, 13880), (383, 13982), (384, 13985), (395, 14012), (433, 14075), (500, 14156), (502, 14162), (527, 14219), (539, 14249), (544, 14264), (552, 14288), (554, 14294), (575, 14351), (608, 14423),

Gene: Gail_26 Start: 18165, Stop: 19187, Start Num: 106

Candidate Starts for Gail_26:

(Start: 106 @18165 has 240 MA's), (Start: 122 @18183 has 2 MA's), (147, 18219), (161, 18240), (173, 18258), (216, 18378), (287, 18510), (311, 18540), (329, 18579), (331, 18582), (353, 18627), (445, 18792), (466, 18828), (495, 18894), (558, 19044), (568, 19068),

Gene: Galadriel_34 Start: 30272, Stop: 31228, Start Num: 85

Candidate Starts for Galadriel_34:

(Start: 85 @30272 has 58 MA's), (194, 30458), (197, 30470), (209, 30497), (215, 30518), (255, 30578), (317, 30665), (319, 30668), (336, 30704), (352, 30737), (360, 30752), (367, 30764), (392, 30794), (396, 30800), (438, 30860), (500, 30950), (541, 31040), (552, 31064), (556, 31076), (584, 31142), (602, 31181), (606, 31193), (617, 31223),

Gene: Gallia_41 Start: 33872, Stop: 34774, Start Num: 72

Candidate Starts for Gallia_41:

(Start: 72 @33872 has 35 MA's), (161, 34001), (199, 34091), (204, 34100), (Start: 211 @34118 has 1 MA's), (214, 34130), (250, 34184), (328, 34331), (348, 34373), (423, 34466), (426, 34469), (442, 34490), (515, 34562), (558, 34643),

Gene: Gambino_20 Start: 16105, Stop: 16965, Start Num: 70

Candidate Starts for Gambino_20:

(Start: 70 @16105 has 25 MA's), (Start: 93 @16120 has 8 MA's), (164, 16222), (183, 16261), (213, 16342), (267, 16426), (275, 16441), (334, 16549), (398, 16633), (461, 16699), (465, 16705), (494, 16744), (538, 16834), (553, 16876),

Gene: Gancho_20 Start: 16036, Stop: 17130, Start Num: 56

Candidate Starts for Gancho_20:

(Start: 56 @16036 has 23 MA's), (59, 16045), (140, 16141), (147, 16150), (Start: 151 @16159 has 1 MA's), (178, 16210), (180, 16216), (214, 16306), (216, 16312), (223, 16330), (251, 16399), (256, 16408), (266, 16429), (269, 16435), (272, 16441), (274, 16444), (310, 16516), (312, 16519), (401, 16675), (444, 16744), (478, 16816), (494, 16834), (512, 16888), (529, 16918), (539, 16945), (540, 16948), (552, 16984), (554, 16990), (558, 17002), (575, 17044), (584, 17059), (585, 17062), (599, 17092),

Gene: Ganymede_23 Start: 16031, Stop: 17167, Start Num: 31

Candidate Starts for Ganymede_23:

(Start: 31 @16031 has 231 MA's), (Start: 67 @16148 has 6 MA's), (140, 16238), (154, 16259), (162, 16280), (178, 16307), (293, 16562), (334, 16643), (372, 16718), (390, 16733), (476, 16844), (500, 16886), (539, 16979), (547, 17003), (584, 17096), (601, 17135), (608, 17153),

Gene: Garak_31 Start: 18964, Stop: 19980, Start Num: 106

Candidate Starts for Garak_31:

(Start: 106 @18964 has 240 MA's), (147, 19018), (173, 19057), (212, 19162), (287, 19309), (311, 19339), (329, 19378), (331, 19381), (377, 19468), (385, 19489), (455, 19615), (495, 19687), (558,

19837), (561, 19846), (600, 19927),

Gene: Gardann_17 Start: 16079, Stop: 16993, Start Num: 103

Candidate Starts for Gardann_17:

(Start: 103 @16079 has 86 MA's), (125, 16103), (147, 16133), (206, 16259), (246, 16331), (328, 16484), (329, 16487), (331, 16490), (345, 16520), (398, 16577), (411, 16601), (425, 16607), (486, 16676), (495, 16694), (502, 16715), (527, 16769), (532, 16781), (558, 16844), (614, 16973), (619, 16985),

Gene: GardenSalsa_31 Start: 22001, Stop: 22912, Start Num: 96

Candidate Starts for GardenSalsa_31:

(Start: 96 @22001 has 21 MA's), (Start: 105 @22010 has 1 MA's), (147, 22064), (163, 22100), (167, 22103), (177, 22121), (183, 22136), (Start: 211 @22205 has 1 MA's), (212, 22208), (329, 22433), (331, 22436), (345, 22466), (425, 22553), (505, 22673), (532, 22727), (538, 22742), (553, 22775), (613, 22898),

Gene: Gattaca_48 Start: 25618, Stop: 26580, Start Num: 103

Candidate Starts for Gattaca_48:

(Start: 103 @25618 has 86 MA's), (183, 25750), (192, 25774), (196, 25783), (198, 25789), (202, 25798), (212, 25822), (214, 25831), (219, 25843), (280, 25969), (324, 26050), (331, 26065), (335, 26071), (411, 26179), (505, 26305), (507, 26311), (544, 26386), (577, 26461), (581, 26467), (588, 26479), (590, 26482), (621, 26569), (623, 26572), (624, 26575),

Gene: GaugeLDP_29 Start: 20459, Stop: 21469, Start Num: 106

Candidate Starts for GaugeLDP_29:

(Start: 106 @20459 has 240 MA's), (173, 20552), (188, 20588), (199, 20627), (311, 20834), (329, 20873), (331, 20876), (521, 21239), (558, 21326), (568, 21350),

Gene: Geeche_46 Start: 28531, Stop: 29412, Start Num: 76

Candidate Starts for Geeche_46:

(Start: 76 @28531 has 13 MA's), (119, 28579), (140, 28606), (179, 28678), (205, 28744), (214, 28774), (279, 28882), (333, 28975), (343, 28999), (350, 29014), (433, 29110), (476, 29158), (558, 29338), (571, 29374),

Gene: GenevaB15_31 Start: 22046, Stop: 22957, Start Num: 96

Candidate Starts for GenevaB15_31:

(Start: 96 @22046 has 21 MA's), (Start: 105 @22055 has 1 MA's), (147, 22109), (163, 22145), (167, 22148), (177, 22166), (183, 22181), (188, 22190), (Start: 211 @22250 has 1 MA's), (212, 22253), (329, 22478), (331, 22481), (345, 22511), (425, 22598), (515, 22739), (538, 22787), (553, 22820), (613, 22943),

Gene: Gengar_20 Start: 16348, Stop: 17478, Start Num: 37

Candidate Starts for Gengar_20:

(Start: 37 @16348 has 23 MA's), (121, 16522), (161, 16588), (162, 16591), (178, 16618), (214, 16717), (261, 16819), (293, 16873), (311, 16903), (328, 16939), (329, 16942), (333, 16951), (370, 17026), (372, 17029), (404, 17065), (433, 17107), (461, 17125), (465, 17131), (476, 17155), (477, 17158), (480, 17164), (500, 17197), (584, 17407), (601, 17446), (608, 17464),

Gene: Geodirt_31 Start: 29258, Stop: 30214, Start Num: 85

Candidate Starts for Geodirt_31:

(Start: 85 @29258 has 58 MA's), (194, 29444), (197, 29456), (209, 29483), (215, 29504), (255, 29564), (319, 29654), (336, 29690), (352, 29723), (360, 29738), (367, 29750), (392, 29780), (396, 29786), (438, 29846), (500, 29936), (541, 30026), (552, 30050), (556, 30062), (584, 30128), (591, 30143),

(602, 30167), (606, 30179),

Gene: George_22 Start: 18648, Stop: 19661, Start Num: 114

Candidate Starts for George_22:

(Start: 114 @18648 has 85 MA's), (173, 18744), (186, 18777), (188, 18780), (199, 18819), (270, 18954), (304, 19014), (311, 19020), (320, 19038), (331, 19062), (351, 19104), (511, 19416), (558, 19518), (600, 19608),

Gene: Georgie2_28 Start: 19096, Stop: 20112, Start Num: 106

Candidate Starts for Georgie2_28:

(Start: 106 @19096 has 240 MA's), (161, 19171), (173, 19189), (188, 19225), (199, 19264), (311, 19471), (329, 19510), (331, 19513), (473, 19780), (521, 19882), (554, 19957), (558, 19969), (600, 20059),

Gene: Geraldini_22 Start: 16027, Stop: 17163, Start Num: 31

Candidate Starts for Geraldini_22:

(Start: 31 @16027 has 231 MA's), (Start: 67 @16144 has 6 MA's), (140, 16234), (154, 16255), (162, 16276), (178, 16303), (293, 16558), (334, 16639), (372, 16714), (390, 16729), (476, 16840), (480, 16849), (500, 16882), (539, 16975), (547, 16999), (584, 17092), (601, 17131), (608, 17149),

Gene: Getalong_20 Start: 16305, Stop: 17228, Start Num: 112

Candidate Starts for Getalong_20:

(Start: 112 @16305 has 15 MA's), (Start: 117 @16308 has 6 MA's), (125, 16320), (139, 16338), (163, 16383), (183, 16422), (197, 16461), (Start: 211 @16494 has 1 MA's), (213, 16500), (252, 16569), (281, 16623), (283, 16626), (286, 16629), (293, 16641), (317, 16665), (320, 16671), (328, 16689), (360, 16743), (367, 16755), (371, 16761), (388, 16782), (421, 16827), (424, 16830), (435, 16848), (438, 16854), (443, 16869), (445, 16872), (539, 17025), (540, 17028), (543, 17034), (558, 17067), (566, 17085), (579, 17118), (603, 17169), (609, 17184), (622, 17220),

Gene: Gezellig_30 Start: 25052, Stop: 25996, Start Num: 91

Candidate Starts for Gezellig_30:

(Start: 91 @25052 has 34 MA's), (161, 25157), (192, 25226), (194, 25232), (202, 25256), (209, 25271), (438, 25631), (443, 25646), (456, 25664), (522, 25766), (541, 25808), (556, 25844), (598, 25940), (617, 25991),

Gene: Ghobes_15 Start: 13491, Stop: 14351, Start Num: 73

Candidate Starts for Ghobes_15:

(Start: 67 @13485 has 6 MA's), (Start: 73 @13491 has 29 MA's), (Start: 110 @13518 has 84 MA's), (Start: 112 @13521 has 15 MA's), (216, 13725), (217, 13728), (239, 13755), (278, 13830), (290, 13848), (347, 13956), (501, 14142), (502, 14145), (537, 14217), (560, 14283), (573, 14319), (587, 14343),

Gene: Ghoulboy_23 Start: 18814, Stop: 19827, Start Num: 114

Candidate Starts for Ghoulboy_23:

(Start: 114 @18814 has 85 MA's), (173, 18910), (186, 18943), (188, 18946), (199, 18985), (217, 19033), (311, 19186), (320, 19204), (331, 19228), (351, 19270), (511, 19582), (558, 19684), (569, 19711),

Gene: GiKK_20 Start: 14134, Stop: 15093, Start Num: 110

Candidate Starts for GiKK_20:

(Start: 110 @14134 has 84 MA's), (145, 14182), (147, 14185), (183, 14263), (249, 14398), (252, 14404), (291, 14476), (303, 14500), (320, 14521), (371, 14611), (390, 14626), (396, 14641), (438, 14713), (496, 14800), (540, 14896), (553, 14926), (556, 14935), (566, 14959), (579, 14992), (584,

15001), (587, 15007), (609, 15058), (616, 15079), (618, 15085),

Gene: Gibbous_17 Start: 14967, Stop: 15938, Start Num: 110

Candidate Starts for Gibbous_17:

(58, 14892), (Start: 110 @14967 has 84 MA's), (143, 15012), (183, 15096), (202, 15150), (234, 15207), (247, 15231), (252, 15240), (254, 15243), (281, 15300), (320, 15360), (328, 15378), (371, 15450), (381, 15471), (438, 15552), (504, 15666), (540, 15735), (541, 15738), (553, 15765), (556, 15774), (566, 15798), (579, 15831), (589, 15849), (605, 15894), (616, 15924),

Gene: Gideon_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Gideon_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Gilberta_27 Start: 19727, Stop: 20749, Start Num: 106

Candidate Starts for Gilberta_27:

(Start: 106 @19727 has 240 MA's), (147, 19784), (183, 19859), (242, 19988), (270, 20048), (304, 20108), (311, 20114), (331, 20156), (353, 20201), (355, 20207), (401, 20291), (426, 20324), (558, 20606), (561, 20615), (568, 20630), (600, 20696),

Gene: Giles_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Giles_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Gladiator_30 Start: 18950, Stop: 19966, Start Num: 106

Candidate Starts for Gladiator_30:

(Start: 106 @18950 has 240 MA's), (Start: 122 @18968 has 2 MA's), (147, 19004), (173, 19043), (212, 19148), (311, 19325), (329, 19364), (331, 19367), (377, 19454), (385, 19475), (455, 19601), (495, 19673), (558, 19823), (561, 19832), (600, 19913),

Gene: Glaske16_28 Start: 21456, Stop: 22367, Start Num: 96

Candidate Starts for Glaske16_28:

(Start: 96 @21456 has 21 MA's), (167, 21558), (177, 21576), (183, 21591), (212, 21663), (214, 21672), (260, 21750), (328, 21885), (329, 21888), (331, 21891), (368, 21960), (411, 22002), (425, 22008), (515, 22149), (527, 22170), (532, 22182), (596, 22305), (601, 22317),

Gene: GodSpeed_18 Start: 15640, Stop: 16833, Start Num: 31

Candidate Starts for GodSpeed_18:

(5, 15277), (Start: 25 @15604 has 1 MA's), (Start: 31 @15640 has 231 MA's), (Start: 67 @15766 has 6 MA's), (Start: 84 @15784 has 6 MA's), (124, 15835), (140, 15859), (162, 15901), (163, 15904), (180, 15934), (208, 16006), (215, 16030), (221, 16045), (236, 16090), (240, 16096), (319, 16240), (338, 16285), (348, 16309), (368, 16345), (476, 16510), (500, 16552), (568, 16729), (599, 16795),

Gene: GodonK_88 Start: 51377, Stop: 52333, Start Num: 66

Candidate Starts for GodonK_88:

(Start: 66 @51377 has 2 MA's), (Start: 103 @51416 has 86 MA's), (167, 51521), (178, 51542), (196, 51593), (198, 51599), (Start: 211 @51632 has 1 MA's), (313, 51800), (326, 51830), (436, 52010), (466, 52064), (482, 52085), (494, 52103), (502, 52127), (510, 52154), (512, 52157), (516, 52163), (532, 52190), (540, 52208), (571, 52292), (573, 52298), (574, 52301),

Gene: Goib_22 Start: 15642, Stop: 16475, Start Num: 115

Candidate Starts for Goib_22:

(Start: 115 @15642 has 6 MA's), (Start: 118 @15645 has 5 MA's), (135, 15660), (158, 15699), (166, 15720), (168, 15723), (221, 15867), (324, 16053), (358, 16122), (432, 16224), (487, 16305), (490, 16308), (522, 16389), (524, 16395), (531, 16407), (532, 16410), (541, 16434),

Gene: GoldHunter_18 Start: 14765, Stop: 15736, Start Num: 110

Candidate Starts for GoldHunter_18:

(Start: 110 @14765 has 84 MA's), (143, 14810), (155, 14831), (183, 14894), (192, 14918), (202, 14948), (216, 14987), (247, 15026), (252, 15035), (254, 15038), (288, 15104), (320, 15152), (344, 15194), (371, 15242), (402, 15293), (438, 15353), (443, 15368), (445, 15371), (454, 15389), (457, 15395), (496, 15440), (504, 15467), (511, 15485), (540, 15539), (553, 15569), (556, 15578), (561, 15593), (587, 15650), (608, 15698), (616, 15722), (618, 15728),

Gene: GoldenAsh_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for GoldenAsh_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Gollum_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Gollum_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (521, 16116), (530, 16134), (558, 16203), (615, 16341),

Gene: Gomashi_17 Start: 15478, Stop: 16650, Start Num: 31

Candidate Starts for Gomashi_17:

(5, 15145), (Start: 31 @15478 has 231 MA's), (Start: 67 @15598 has 6 MA's), (Start: 84 @15616 has 6 MA's), (121, 15661), (124, 15667), (161, 15730), (180, 15766), (207, 15835), (208, 15838), (214, 15859), (240, 15913), (261, 15958), (278, 15988), (333, 16090), (338, 16102), (342, 16114), (351, 16132), (461, 16297), (476, 16327), (491, 16345), (500, 16369), (548, 16489), (584, 16579), (599, 16612),

Gene: GoongGoong_48 Start: 25658, Stop: 26620, Start Num: 103

Candidate Starts for GoongGoong_48:

(Start: 103 @25658 has 86 MA's), (183, 25790), (192, 25814), (196, 25823), (198, 25829), (202, 25838), (212, 25862), (214, 25871), (219, 25883), (280, 26009), (324, 26090), (331, 26105), (335, 26111), (411, 26219), (505, 26345), (507, 26351), (577, 26501), (581, 26507), (588, 26519), (590, 26522), (621, 26609), (623, 26612), (624, 26615),

Gene: GrandSlam_21 Start: 16827, Stop: 17888, Start Num: 60

Candidate Starts for GrandSlam_21:

(Start: 60 @16827 has 18 MA's), (Start: 99 @16872 has 6 MA's), (124, 16902), (188, 17010), (245, 17160), (266, 17208), (310, 17292), (316, 17301), (335, 17343), (448, 17520), (491, 17589), (554, 17751), (567, 17784), (600, 17856), (601, 17859),

Gene: Gratitude_28 Start: 19643, Stop: 20659, Start Num: 106

Candidate Starts for Gratitude_28:

(Start: 106 @19643 has 240 MA's), (161, 19718), (173, 19736), (188, 19772), (199, 19811), (287, 19988), (311, 20018), (329, 20057), (331, 20060), (558, 20516), (568, 20540),

Gene: Gravaillia_21 Start: 16042, Stop: 17136, Start Num: 56

Candidate Starts for Gravaillia_21:

(Start: 56 @16042 has 23 MA's), (59, 16051), (140, 16147), (147, 16156), (Start: 151 @16165 has 1 MA's), (178, 16216), (180, 16222), (214, 16312), (216, 16318), (223, 16336), (251, 16405), (256, 16414), (266, 16435), (269, 16441), (272, 16447), (274, 16450), (310, 16522), (312, 16525), (401, 16681), (444, 16750), (478, 16822), (494, 16840), (512, 16894), (529, 16924), (539, 16951), (540, 16954), (552, 16990), (554, 16996), (558, 17008), (575, 17050), (584, 17065), (585, 17068), (599, 17098),

Gene: GreedyLawyer_30 Start: 18966, Stop: 19979, Start Num: 106

Candidate Starts for GreedyLawyer_30:

(Start: 106 @18966 has 240 MA's), (147, 19020), (173, 19059), (212, 19164), (287, 19311), (311, 19341), (329, 19380), (331, 19383), (353, 19428), (385, 19488), (495, 19686), (558, 19836), (561, 19845),

Gene: Grizzly_17 Start: 15480, Stop: 16652, Start Num: 31

Candidate Starts for Grizzly_17:

(5, 15147), (Start: 31 @15480 has 231 MA's), (Start: 67 @15600 has 6 MA's), (Start: 84 @15618 has 6 MA's), (121, 15663), (124, 15669), (161, 15732), (180, 15768), (207, 15837), (208, 15840), (214, 15861), (240, 15915), (261, 15960), (278, 15990), (333, 16092), (338, 16104), (342, 16116), (461, 16299), (476, 16329), (491, 16347), (500, 16371), (542, 16473), (548, 16491), (584, 16581), (599, 16614),

Gene: GrootJr_42 Start: 29261, Stop: 30202, Start Num: 87

Candidate Starts for GrootJr_42:

(Start: 87 @29261 has 26 MA's), (150, 29348), (188, 29423), (Start: 211 @29489 has 1 MA's), (240, 29531), (267, 29588), (401, 29801), (415, 29828), (500, 29939), (558, 30071), (600, 30167),

Gene: Groundhog_22 Start: 17602, Stop: 18624, Start Num: 114

Candidate Starts for Groundhog_22:

(Start: 114 @17602 has 85 MA's), (183, 17725), (186, 17731), (212, 17803), (270, 17908), (280, 17935), (331, 18025), (393, 18145), (440, 18226), (454, 18256), (455, 18259), (554, 18469), (569, 18508), (592, 18556), (600, 18571),

Gene: Gruunaga_30 Start: 18950, Stop: 19966, Start Num: 106

Candidate Starts for Gruunaga_30:

(Start: 106 @18950 has 240 MA's), (Start: 122 @18968 has 2 MA's), (147, 19004), (173, 19043), (212, 19148), (311, 19325), (329, 19364), (331, 19367), (377, 19454), (385, 19475), (455, 19601), (495, 19673), (558, 19823), (561, 19832), (600, 19913),

Gene: Gsput1_19 Start: 14904, Stop: 15749, Start Num: 118

Candidate Starts for Gsput1_19:

(Start: 115 @14901 has 6 MA's), (Start: 118 @14904 has 5 MA's), (135, 14928), (152, 14958), (166, 14988), (168, 14991), (170, 14994), (185, 15036), (213, 15111), (214, 15117), (289, 15270), (324, 15321), (351, 15378), (378, 15423), (454, 15543), (455, 15546), (509, 15642), (531, 15681), (532, 15684), (545, 15720),

Gene: Guacamole_18 Start: 15791, Stop: 16657, Start Num: 67

Candidate Starts for Guacamole_18:

(Start: 67 @15791 has 6 MA's), (Start: 73 @15797 has 29 MA's), (183, 15953), (213, 16034), (275, 16133), (334, 16241), (398, 16325), (465, 16397), (538, 16526), (547, 16553), (553, 16568),

Gene: Guanica15_22 Start: 15243, Stop: 16379, Start Num: 31

Candidate Starts for Guanica15_22:

(Start: 31 @15243 has 231 MA's), (Start: 67 @15360 has 6 MA's), (140, 15450), (154, 15471), (178, 15519), (293, 15774), (334, 15855), (372, 15930), (390, 15945), (476, 16056), (500, 16098), (534, 16176), (539, 16191), (547, 16215), (584, 16308), (601, 16347), (608, 16365),

Gene: Guey18_57 Start: 28183, Stop: 29127, Start Num: 101

Candidate Starts for Guey18_57:

(Start: 101 @28183 has 12 MA's), (177, 28303), (213, 28399), (276, 28501), (319, 28567), (328, 28588), (331, 28594), (356, 28645), (371, 28669), (438, 28762), (462, 28801), (530, 28912), (532, 28918), (536, 28927), (539, 28933), (553, 28966), (556, 28975), (559, 28984), (566, 28999), (600, 29074), (604, 29086), (609, 29098), (616, 29119),

Gene: Guillsminger_20 Start: 16323, Stop: 17453, Start Num: 37

Candidate Starts for Guillsminger_20:

(Start: 37 @16323 has 23 MA's), (161, 16563), (162, 16566), (178, 16593), (214, 16692), (261, 16794), (293, 16848), (311, 16878), (328, 16914), (329, 16917), (333, 16926), (370, 17001), (372, 17004), (433, 17082), (461, 17100), (465, 17106), (476, 17130), (477, 17133), (480, 17139), (500, 17172), (584, 17382), (601, 17421), (608, 17439),

Gene: Gustav_17 Start: 14305, Stop: 15132, Start Num: 109

Candidate Starts for Gustav_17:

(Start: 109 @14305 has 16 MA's), (140, 14350), (155, 14374), (160, 14383), (181, 14437), (235, 14554), (262, 14605), (264, 14608), (289, 14653), (325, 14701), (331, 14713), (372, 14782), (401, 14797), (498, 14890), (532, 14938), (538, 14953), (540, 14959), (544, 14965), (547, 14974), (554, 14989), (561, 15010), (562, 15013), (582, 15046), (586, 15055),

Gene: Gustavo_33 Start: 28679, Stop: 29635, Start Num: 85

Candidate Starts for Gustavo_33:

(Start: 85 @28679 has 58 MA's), (177, 28820), (194, 28865), (197, 28877), (202, 28889), (209, 28904), (213, 28916), (234, 28943), (244, 28958), (255, 28985), (319, 29075), (336, 29111), (367, 29171), (396, 29207), (438, 29267), (500, 29357), (541, 29447), (552, 29471), (556, 29483), (584, 29549), (591, 29564), (602, 29588), (606, 29600),

Gene: GuuelaD_17 Start: 16108, Stop: 17022, Start Num: 103

Candidate Starts for GuuelaD_17:

(Start: 103 @16108 has 86 MA's), (125, 16132), (147, 16162), (328, 16513), (329, 16516), (331, 16519), (345, 16549), (398, 16606), (411, 16630), (425, 16636), (486, 16705), (495, 16723), (502, 16744), (532, 16810), (557, 16870), (558, 16873), (614, 17002), (619, 17014),

Gene: HH92_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for HH92_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Hadrien_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Hadrien_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Hafay_17 Start: 16107, Stop: 17021, Start Num: 103

Candidate Starts for Hafay_17:

(Start: 103 @16107 has 86 MA's), (147, 16161), (206, 16287), (246, 16359), (328, 16512), (329, 16515), (331, 16518), (345, 16548), (398, 16605), (411, 16629), (425, 16635), (486, 16704), (495, 16722), (502, 16743), (527, 16797), (532, 16809), (558, 16872), (614, 17001), (619, 17013),

Gene: Hail_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Hail_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Halena_17 Start: 15866, Stop: 16747, Start Num: 103

Candidate Starts for Halena_17:

(62, 15812), (Start: 89 @15848 has 16 MA's), (Start: 103 @15866 has 86 MA's), (125, 15890), (147, 15920), (155, 15935), (174, 15968), (246, 16112), (329, 16268), (331, 16271), (335, 16277), (355, 16322), (376, 16349), (425, 16388), (450, 16421), (455, 16430), (486, 16457), (538, 16577), (558, 16625), (571, 16652), (598, 16691), (601, 16697), (614, 16736),

Gene: Halo_17 Start: 15472, Stop: 16644, Start Num: 31

Candidate Starts for Halo_17:

(5, 15139), (Start: 31 @15472 has 231 MA's), (Start: 67 @15592 has 6 MA's), (Start: 84 @15610 has 6 MA's), (121, 15655), (124, 15661), (161, 15724), (180, 15760), (207, 15829), (208, 15832), (214, 15853), (240, 15907), (261, 15952), (278, 15982), (333, 16084), (338, 16096), (342, 16108), (351, 16126), (461, 16291), (476, 16321), (491, 16339), (500, 16363), (548, 16483), (584, 16573), (599, 16606),

Gene: Halo3_31 Start: 25345, Stop: 26289, Start Num: 91

Candidate Starts for Halo3_31:

(Start: 91 @25345 has 34 MA's), (161, 25450), (192, 25519), (194, 25525), (202, 25549), (209, 25564), (438, 25924), (443, 25939), (456, 25957), (522, 26059), (541, 26101), (556, 26137), (598, 26233), (617, 26284),

Gene: Hammer_30 Start: 18965, Stop: 19981, Start Num: 106

Candidate Starts for Hammer_30:

(Start: 106 @18965 has 240 MA's), (Start: 122 @18983 has 2 MA's), (147, 19019), (173, 19058), (212, 19163), (311, 19340), (329, 19379), (331, 19382), (377, 19469), (385, 19490), (455, 19616), (495, 19688), (558, 19838), (561, 19847), (600, 19928),

Gene: Hammy_21 Start: 16436, Stop: 17572, Start Num: 31

Candidate Starts for Hammy_21:

(Start: 31 @16436 has 231 MA's), (Start: 67 @16553 has 6 MA's), (Start: 84 @16571 has 6 MA's), (111, 16604), (140, 16643), (178, 16712), (214, 16811), (216, 16817), (261, 16913), (293, 16967),

(328, 17033), (333, 17045), (433, 17201), (465, 17225), (500, 17291), (501, 17294), (502, 17297), (539, 17384), (584, 17501), (601, 17540), (608, 17558),

Gene: Hamood_21 Start: 16827, Stop: 17888, Start Num: 60

Candidate Starts for Hamood_21:

(Start: 60 @16827 has 18 MA's), (Start: 99 @16872 has 6 MA's), (124, 16902), (188, 17010), (245, 17160), (266, 17208), (310, 17292), (316, 17301), (335, 17343), (448, 17520), (491, 17589), (554, 17751), (567, 17784), (600, 17856), (601, 17859),

Gene: HannahD_18 Start: 15721, Stop: 16650, Start Num: 106

Candidate Starts for HannahD_18:

(86, 15700), (Start: 106 @15721 has 240 MA's), (Start: 117 @15730 has 6 MA's), (147, 15772), (259, 16006), (283, 16051), (299, 16075), (313, 16081), (317, 16090), (320, 16096), (335, 16126), (353, 16156), (371, 16186), (375, 16192), (424, 16255), (438, 16279), (486, 16336), (527, 16423), (558, 16492), (604, 16597), (616, 16630),

Gene: Hanray_27 Start: 20531, Stop: 21544, Start Num: 106

Candidate Starts for Hanray_27:

(Start: 106 @20531 has 240 MA's), (Start: 122 @20549 has 2 MA's), (161, 20606), (173, 20624), (188, 20660), (270, 20840), (287, 20876), (311, 20906), (331, 20948), (415, 21107), (495, 21251), (521, 21314), (554, 21389), (558, 21401), (568, 21425),

Gene: Hans_34 Start: 28153, Stop: 29139, Start Num: 72

Candidate Starts for Hans_34:

(Start: 72 @28153 has 35 MA's), (161, 28276), (180, 28312), (202, 28372), (254, 28468), (317, 28579), (326, 28600), (379, 28702), (407, 28738), (530, 28954), (532, 28960), (538, 28975), (543, 28990), (556, 29026), (569, 29059), (570, 29062), (600, 29128),

Gene: Harlequin_22 Start: 15430, Stop: 16302, Start Num: 114

Candidate Starts for Harlequin_22:

(Start: 114 @15430 has 85 MA's), (140, 15469), (183, 15550), (186, 15556), (Start: 211 @15625 has 1 MA's), (254, 15703), (267, 15730), (331, 15841), (409, 15937), (521, 16066), (530, 16084), (554, 16141), (558, 16153), (615, 16291),

Gene: HarryHoudini_29 Start: 19660, Stop: 20676, Start Num: 106

Candidate Starts for HarryHoudini_29:

(Start: 106 @19660 has 240 MA's), (161, 19735), (173, 19753), (188, 19789), (199, 19828), (270, 19969), (311, 20035), (329, 20074), (331, 20077), (558, 20533), (568, 20557),

Gene: Hedwig_19 Start: 16010, Stop: 16957, Start Num: 106

Candidate Starts for Hedwig_19:

(Start: 106 @16010 has 240 MA's), (252, 16286), (259, 16298), (299, 16370), (313, 16376), (320, 16391), (353, 16451), (371, 16481), (375, 16487), (424, 16550), (438, 16574), (439, 16577), (460, 16616), (504, 16685), (527, 16727), (539, 16754), (558, 16796), (559, 16799), (564, 16811), (587, 16862), (600, 16886), (620, 16940),

Gene: HedwigODU_22 Start: 16020, Stop: 17156, Start Num: 31

Candidate Starts for HedwigODU_22:

(Start: 31 @16020 has 231 MA's), (Start: 67 @16137 has 6 MA's), (140, 16227), (154, 16248), (162, 16269), (178, 16296), (293, 16551), (334, 16632), (372, 16707), (390, 16722), (476, 16833), (500, 16875), (539, 16968), (547, 16992), (584, 17085), (601, 17124), (608, 17142),

Gene: Heffalump_29 Start: 21031, Stop: 22041, Start Num: 106

Candidate Starts for Heffalump_29:

(Start: 106 @21031 has 240 MA's), (161, 21106), (173, 21124), (188, 21160), (199, 21199), (311, 21406), (329, 21445), (331, 21448), (521, 21811), (554, 21886), (558, 21898), (600, 21988),

Gene: Heftyboy_20 Start: 16471, Stop: 17601, Start Num: 37

Candidate Starts for Heftyboy_20:

(Start: 37 @16471 has 23 MA's), (121, 16645), (161, 16711), (162, 16714), (178, 16741), (214, 16840), (261, 16942), (293, 16996), (311, 17026), (328, 17062), (329, 17065), (333, 17074), (370, 17149), (372, 17152), (404, 17188), (433, 17230), (461, 17248), (465, 17254), (476, 17278), (477, 17281), (480, 17287), (500, 17320), (584, 17530), (601, 17569), (608, 17587),

Gene: Heinz_17 Start: 14187, Stop: 15035, Start Num: 109

Candidate Starts for Heinz_17:

(8, 13731), (35, 14007), (80, 14148), (Start: 109 @14187 has 16 MA's), (155, 14256), (170, 14286), (177, 14307), (191, 14340), (207, 14385), (268, 14499), (287, 14532), (289, 14538), (324, 14583), (331, 14598), (429, 14721), (434, 14730), (488, 14769), (505, 14802), (540, 14859), (558, 14901), (561, 14910), (586, 14961), (590, 14967), (605, 15006),

Gene: Helmet_30 Start: 18964, Stop: 19980, Start Num: 106

Candidate Starts for Helmet_30:

(Start: 106 @18964 has 240 MA's), (147, 19018), (173, 19057), (212, 19162), (287, 19309), (311, 19339), (329, 19378), (331, 19381), (377, 19468), (385, 19489), (455, 19615), (495, 19687), (558, 19837), (561, 19846), (600, 19927),

Gene: Herbertwm_24 Start: 17773, Stop: 18798, Start Num: 106

Candidate Starts for Herbertwm_24:

(Start: 106 @17773 has 240 MA's), (Start: 122 @17791 has 2 MA's), (161, 17848), (173, 17866), (188, 17902), (199, 17941), (270, 18082), (311, 18148), (331, 18190), (379, 18280), (407, 18343), (466, 18439), (554, 18643), (558, 18655), (568, 18679), (600, 18745), (603, 18754),

Gene: Hexamo_30 Start: 18932, Stop: 19948, Start Num: 106

Candidate Starts for Hexamo_30:

(Start: 106 @18932 has 240 MA's), (Start: 122 @18950 has 2 MA's), (147, 18986), (173, 19025), (212, 19130), (311, 19307), (329, 19346), (331, 19349), (377, 19436), (385, 19457), (455, 19583), (495, 19655), (558, 19805), (561, 19814), (600, 19895),

Gene: Hexbug_19 Start: 14820, Stop: 15779, Start Num: 110

Candidate Starts for Hexbug_19:

(58, 14745), (Start: 110 @14820 has 84 MA's), (125, 14841), (147, 14871), (183, 14949), (252, 15090), (303, 15186), (320, 15207), (344, 15249), (371, 15297), (390, 15312), (416, 15366), (438, 15399), (540, 15582), (541, 15585), (553, 15612), (556, 15621), (558, 15627), (566, 15645), (579, 15678), (584, 15687), (587, 15693), (616, 15765), (618, 15771),

Gene: Hibiscus_17 Start: 14141, Stop: 14983, Start Num: 109

Candidate Starts for Hibiscus_17:

(80, 14102), (Start: 109 @14141 has 16 MA's), (155, 14210), (170, 14240), (177, 14261), (191, 14294), (206, 14336), (207, 14339), (331, 14546), (434, 14678), (505, 14750), (540, 14807), (558, 14849), (561, 14858), (586, 14909), (590, 14915), (605, 14954),

Gene: Hilltopfarm_23 Start: 18643, Stop: 19641, Start Num: 50

Candidate Starts for Hilltopfarm_23:

(Start: 50 @18643 has 6 MA's), (Start: 99 @18709 has 6 MA's), (161, 18799), (163, 18805), (189, 18853), (206, 18901), (214, 18928), (230, 18955), (231, 18958), (244, 18979), (271, 19030), (299,

19081), (305, 19090), (319, 19117), (351, 19192), (365, 19216), (465, 19306), (476, 19330), (477, 19333), (500, 19369), (522, 19423), (527, 19432), (543, 19474), (544, 19477), (575, 19558), (581, 19567), (601, 19612),

Gene: HippoHollow_28 Start: 20959, Stop: 21969, Start Num: 106

Candidate Starts for HippoHollow_28:

(Start: 106 @20959 has 240 MA's), (147, 21013), (161, 21034), (173, 21052), (199, 21127), (311, 21334), (331, 21376), (401, 21511), (455, 21604), (473, 21637), (521, 21739), (554, 21814), (558, 21826), (600, 21916),

Gene: HippoPololi_19 Start: 15627, Stop: 16592, Start Num: 110

Candidate Starts for HippoPololi_19:

(Start: 110 @15627 has 84 MA's), (143, 15672), (173, 15729), (183, 15756), (202, 15810), (247, 15891), (252, 15900), (254, 15903), (281, 15960), (320, 16020), (328, 16038), (371, 16110), (381, 16125), (419, 16176), (421, 16179), (496, 16293), (504, 16320), (540, 16389), (541, 16392), (553, 16419), (556, 16428), (566, 16452), (579, 16485), (589, 16503), (605, 16548), (616, 16578),

Gene: Hiro_22 Start: 15736, Stop: 16608, Start Num: 114

Candidate Starts for Hiro_22:

(Start: 114 @15736 has 85 MA's), (140, 15775), (186, 15862), (Start: 211 @15931 has 1 MA's), (254, 16009), (267, 16036), (331, 16147), (409, 16243), (521, 16372), (530, 16390), (558, 16459), (615, 16597),

Gene: Hitter_18 Start: 15793, Stop: 16653, Start Num: 73

Candidate Starts for Hitter_18:

(Start: 67 @15787 has 6 MA's), (Start: 73 @15793 has 29 MA's), (183, 15949), (213, 16030), (275, 16129), (334, 16237), (398, 16321), (461, 16387), (494, 16432), (538, 16522), (553, 16564),

Gene: Horex_27 Start: 20531, Stop: 21544, Start Num: 106

Candidate Starts for Horex_27:

(Start: 106 @20531 has 240 MA's), (Start: 122 @20549 has 2 MA's), (161, 20606), (173, 20624), (188, 20660), (270, 20840), (287, 20876), (311, 20906), (331, 20948), (415, 21107), (495, 21251), (521, 21314), (554, 21389), (558, 21401), (568, 21425),

Gene: Holliday_19 Start: 15504, Stop: 16424, Start Num: 117

Candidate Starts for Holliday_19:

(Start: 112 @15501 has 15 MA's), (Start: 117 @15504 has 6 MA's), (125, 15516), (139, 15534), (163, 15579), (183, 15618), (197, 15657), (Start: 211 @15690 has 1 MA's), (213, 15696), (252, 15765), (281, 15819), (283, 15822), (286, 15825), (293, 15837), (315, 15855), (317, 15861), (320, 15867), (328, 15885), (360, 15939), (367, 15951), (371, 15957), (388, 15978), (424, 16026), (435, 16044), (438, 16050), (443, 16065), (445, 16068), (539, 16221), (540, 16224), (543, 16230), (558, 16263), (566, 16281), (579, 16314), (603, 16365), (609, 16380), (622, 16416),

Gene: HomeFry_46 Start: 28359, Stop: 29288, Start Num: 87

Candidate Starts for HomeFry_46:

(Start: 87 @28359 has 26 MA's), (150, 28440), (188, 28515), (206, 28566), (287, 28722), (361, 28857), (401, 28896), (558, 29151), (600, 29253),

Gene: Homura_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Homura_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Hoot_30 Start: 18945, Stop: 19958, Start Num: 106

Candidate Starts for Hoot_30:

(Start: 106 @18945 has 240 MA's), (147, 18999), (173, 19038), (212, 19143), (287, 19290), (311, 19320), (329, 19359), (331, 19362), (353, 19407), (385, 19467), (495, 19665), (558, 19815), (561, 19824),

Gene: Hope_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Hope_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Horseradish_18 Start: 14308, Stop: 15279, Start Num: 110

Candidate Starts for Horseradish_18:

(Start: 110 @14308 has 84 MA's), (143, 14353), (155, 14374), (161, 14389), (183, 14437), (192, 14461), (202, 14491), (247, 14569), (252, 14578), (254, 14581), (288, 14647), (320, 14695), (344, 14737), (371, 14785), (402, 14836), (438, 14896), (443, 14911), (445, 14914), (457, 14938), (504, 15010), (511, 15028), (539, 15079), (540, 15082), (553, 15112), (556, 15121), (561, 15136), (579, 15178), (587, 15193), (608, 15241), (616, 15265), (618, 15271),

Gene: HortumSL17_28 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for HortumSL17_28:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: Horus_19 Start: 15514, Stop: 16437, Start Num: 112

Candidate Starts for Horus_19:

(Start: 112 @15514 has 15 MA's), (Start: 117 @15517 has 6 MA's), (125, 15529), (139, 15547), (163, 15592), (183, 15631), (197, 15670), (Start: 211 @15703 has 1 MA's), (213, 15709), (252, 15778), (281, 15832), (283, 15835), (286, 15838), (293, 15850), (317, 15874), (320, 15880), (328, 15898), (360, 15952), (367, 15964), (371, 15970), (388, 15991), (421, 16036), (424, 16039), (435, 16057), (438, 16063), (443, 16078), (445, 16081), (539, 16234), (540, 16237), (543, 16243), (558, 16276), (566, 16294), (579, 16327), (603, 16378), (609, 16393), (622, 16429),

Gene: Hotshotbaby7_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Hotshotbaby7_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: HubbaBubba_38 Start: 25653, Stop: 26573, Start Num: 92

Candidate Starts for HubbaBubba_38:

(Start: 92 @25653 has 11 MA's), (150, 25734), (174, 25779), (199, 25848), (287, 26016), (336, 26100), (361, 26151), (455, 26274), (527, 26382), (535, 26400), (558, 26442), (567, 26463), (598, 26532), (600, 26538), (608, 26559),

Gene: Huffy_23 Start: 15864, Stop: 16697, Start Num: 115

Candidate Starts for Huffy_23:

(Start: 115 @15864 has 6 MA's), (Start: 118 @15867 has 5 MA's), (135, 15882), (158, 15921), (166, 15942), (168, 15945), (221, 16089), (324, 16275), (373, 16362), (432, 16446), (487, 16527), (522, 16611), (524, 16617), (531, 16629), (532, 16632), (541, 16656),

Gene: HuhtaEnerson15_23 Start: 18648, Stop: 19661, Start Num: 114

Candidate Starts for HuhtaEnerson15_23:

(Start: 114 @18648 has 85 MA's), (173, 18744), (186, 18777), (188, 18780), (199, 18819), (270, 18954), (304, 19014), (311, 19020), (320, 19038), (331, 19062), (351, 19104), (511, 19416), (558, 19518), (600, 19608),

Gene: Huphlebuff_51 Start: 26243, Stop: 27205, Start Num: 103

Candidate Starts for Huphlebuff_51:

(Start: 103 @26243 has 86 MA's), (183, 26375), (192, 26399), (196, 26408), (198, 26414), (202, 26423), (212, 26447), (214, 26456), (219, 26468), (224, 26480), (280, 26594), (324, 26675), (331, 26690), (335, 26696), (411, 26804), (505, 26930), (507, 26936), (544, 27011), (577, 27086), (581, 27092), (588, 27104), (590, 27107), (621, 27194), (623, 27197), (624, 27200),

Gene: Hurricane_21 Start: 16451, Stop: 17587, Start Num: 31

Candidate Starts for Hurricane_21:

(Start: 31 @16451 has 231 MA's), (Start: 67 @16574 has 6 MA's), (121, 16637), (124, 16643), (147, 16673), (162, 16706), (208, 16811), (214, 16832), (244, 16895), (261, 16934), (278, 16964), (328, 17051), (342, 17087), (461, 17234), (476, 17264), (480, 17273), (500, 17306), (501, 17309), (502, 17312), (539, 17399), (569, 17486), (599, 17549), (601, 17555),

Gene: Hutc2_27 Start: 19733, Stop: 20755, Start Num: 106

Candidate Starts for Hutc2_27:

(Start: 106 @19733 has 240 MA's), (147, 19790), (183, 19865), (242, 19994), (270, 20054), (304, 20114), (311, 20120), (331, 20162), (353, 20207), (355, 20213), (401, 20297), (426, 20330), (558, 20612), (561, 20621), (568, 20636), (600, 20702),

Gene: Hyperbowlee_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Hyperbowlee_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: IDyn_41 Start: 27049, Stop: 27969, Start Num: 92

Candidate Starts for IDyn_41:

(Start: 92 @27049 has 11 MA's), (150, 27130), (174, 27175), (199, 27244), (287, 27412), (336, 27496), (361, 27547), (401, 27580), (455, 27670), (527, 27778), (558, 27838), (598, 27928), (600, 27934), (608, 27955),

Gene: IPhane7_27 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for IPhane7_27:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: Ibrahim_18 Start: 16018, Stop: 16983, Start Num: 93

Candidate Starts for Ibrahim_18:

(Start: 93 @16018 has 8 MA's), (120, 16045), (130, 16063), (216, 16240), (217, 16243), (254, 16318), (287, 16384), (300, 16411), (329, 16468), (335, 16477), (506, 16714), (519, 16738), (561, 16837),

(569, 16858), (578, 16879), (597, 16918), (601, 16927),

Gene: Illumine_22 Start: 16034, Stop: 17170, Start Num: 31

Candidate Starts for Illumine_22:

(Start: 31 @16034 has 231 MA's), (Start: 67 @16151 has 6 MA's), (154, 16262), (162, 16283), (178, 16310), (215, 16412), (293, 16565), (334, 16646), (359, 16700), (372, 16721), (390, 16736), (476, 16847), (500, 16889), (539, 16982), (547, 17006), (584, 17099), (601, 17138), (608, 17156),

Gene: Indra_30 Start: 18965, Stop: 19981, Start Num: 106

Candidate Starts for Indra_30:

(Start: 106 @18965 has 240 MA's), (147, 19019), (173, 19058), (212, 19163), (287, 19310), (311, 19340), (329, 19379), (331, 19382), (377, 19469), (385, 19490), (455, 19616), (495, 19688), (558, 19838), (561, 19847), (600, 19928),

Gene: Inky_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Inky_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Insomnia_27 Start: 19788, Stop: 20810, Start Num: 106

Candidate Starts for Insomnia_27:

(Start: 106 @19788 has 240 MA's), (147, 19845), (183, 19920), (242, 20049), (270, 20109), (304, 20169), (311, 20175), (331, 20217), (353, 20262), (355, 20268), (401, 20352), (426, 20385), (558, 20667), (561, 20676), (568, 20691), (600, 20757),

Gene: Inspectinfecti_33 Start: 28515, Stop: 29501, Start Num: 72

Candidate Starts for Inspectinfecti_33:

(Start: 72 @28515 has 35 MA's), (161, 28638), (180, 28674), (202, 28734), (254, 28830), (317, 28941), (326, 28962), (379, 29064), (407, 29100), (530, 29316), (532, 29322), (538, 29337), (543, 29352), (556, 29388), (569, 29421), (570, 29424), (600, 29490),

Gene: InvictusManeo_20 Start: 16423, Stop: 17553, Start Num: 37

Candidate Starts for InvictusManeo_20:

(Start: 37 @16423 has 23 MA's), (121, 16597), (161, 16663), (162, 16666), (178, 16693), (214, 16792), (261, 16894), (293, 16948), (311, 16978), (328, 17014), (329, 17017), (333, 17026), (370, 17101), (372, 17104), (404, 17140), (433, 17182), (461, 17200), (465, 17206), (476, 17230), (477, 17233), (500, 17272), (584, 17482), (601, 17521), (608, 17539),

Gene: IronMan_29 Start: 20734, Stop: 21750, Start Num: 106

Candidate Starts for IronMan_29:

(Start: 106 @20734 has 240 MA's), (161, 20809), (173, 20827), (199, 20902), (270, 21043), (282, 21073), (311, 21109), (331, 21151), (379, 21241), (401, 21292), (473, 21418), (511, 21505), (558, 21607), (568, 21631),

Gene: Isiphiwo_30 Start: 18957, Stop: 19970, Start Num: 106

Candidate Starts for Isiphiwo_30:

(Start: 106 @18957 has 240 MA's), (147, 19011), (173, 19050), (212, 19155), (287, 19302), (311, 19332), (329, 19371), (331, 19374), (353, 19419), (385, 19479), (495, 19677), (558, 19827), (561, 19836),

Gene: Itos_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Itos_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Iwokeuplikedis_28 Start: 18928, Stop: 19938, Start Num: 106

Candidate Starts for Iwokeuplikedis_28:

(Start: 106 @18928 has 240 MA's), (161, 19003), (173, 19021), (199, 19096), (311, 19303), (331, 19345), (353, 19390), (401, 19480), (455, 19573), (521, 19708), (554, 19783), (558, 19795),

Gene: Izel_28 Start: 21456, Stop: 22367, Start Num: 96

Candidate Starts for Izel_28:

(Start: 96 @21456 has 21 MA's), (167, 21558), (177, 21576), (183, 21591), (212, 21663), (214, 21672), (260, 21750), (328, 21885), (329, 21888), (331, 21891), (368, 21960), (411, 22002), (425, 22008), (515, 22149), (527, 22170), (532, 22182), (596, 22305), (601, 22317),

Gene: JAWS_22 Start: 16005, Stop: 17141, Start Num: 31

Candidate Starts for JAWS_22:

(Start: 31 @16005 has 231 MA's), (Start: 67 @16122 has 6 MA's), (140, 16212), (154, 16233), (162, 16254), (178, 16281), (293, 16536), (334, 16617), (372, 16692), (390, 16707), (476, 16818), (500, 16860), (539, 16953), (547, 16977), (584, 17070), (601, 17109), (608, 17127),

Gene: JF1_23 Start: 17489, Stop: 18622, Start Num: 31

Candidate Starts for JF1_23:

(Start: 31 @17489 has 231 MA's), (38, 17507), (54, 17579), (Start: 67 @17609 has 6 MA's), (140, 17699), (162, 17741), (177, 17765), (215, 17870), (331, 18092), (333, 18098), (431, 18248), (433, 18251), (461, 18269), (476, 18299), (500, 18341), (501, 18344), (522, 18395), (575, 18536), (584, 18551), (601, 18590), (608, 18608),

Gene: JKSyngboy_31 Start: 29254, Stop: 30210, Start Num: 85

Candidate Starts for JKSyngboy_31:

(Start: 85 @29254 has 58 MA's), (183, 29410), (194, 29440), (197, 29452), (202, 29464), (209, 29479), (213, 29491), (244, 29533), (317, 29647), (319, 29650), (336, 29686), (367, 29746), (381, 29770), (396, 29782), (438, 29842), (500, 29932), (541, 30022), (552, 30046), (556, 30058), (584, 30124), (591, 30139), (602, 30163), (606, 30175),

Gene: JSwag_29 Start: 18105, Stop: 19082, Start Num: 110

Candidate Starts for JSwag_29:

(Start: 110 @18105 has 84 MA's), (183, 18219), (186, 18225), (188, 18228), (297, 18462), (452, 18729), (493, 18783), (558, 18939),

Gene: Jaan_30 Start: 21123, Stop: 22139, Start Num: 106

Candidate Starts for Jaan_30:

(Start: 106 @21123 has 240 MA's), (161, 21198), (173, 21216), (199, 21291), (270, 21432), (282, 21462), (311, 21498), (331, 21540), (379, 21630), (393, 21666), (401, 21681), (473, 21807), (511, 21894), (558, 21996), (568, 22020),

Gene: Jabbawokkie_20 Start: 13336, Stop: 14265, Start Num: 101

Candidate Starts for Jabbawokkie_20:

(Start: 101 @13336 has 12 MA's), (147, 13396), (173, 13447), (Start: 211 @13546 has 1 MA's), (213, 13552), (218, 13567), (293, 13687), (315, 13705), (349, 13771), (356, 13783), (386, 13828), (419, 13867), (424, 13873), (438, 13897), (439, 13900), (440, 13903), (443, 13912), (445, 13915), (498, 13981), (504, 14002), (505, 14005), (527, 14041), (539, 14068), (540, 14071), (558, 14110), (566, 14128), (568, 14134), (584, 14170), (587, 14176), (598, 14200), (601, 14206), (603, 14212),

Gene: Jabberwocky_32 Start: 30402, Stop: 31358, Start Num: 85

Candidate Starts for Jabberwocky_32:

(Start: 85 @30402 has 58 MA's), (194, 30588), (197, 30600), (209, 30627), (215, 30648), (255, 30708), (317, 30795), (319, 30798), (336, 30834), (352, 30867), (360, 30882), (367, 30894), (392, 30924), (396, 30930), (438, 30990), (500, 31080), (541, 31170), (552, 31194), (556, 31206), (584, 31272), (606, 31323),

Gene: Jabiru_23 Start: 18016, Stop: 19029, Start Num: 114

Candidate Starts for Jabiru_23:

(Start: 114 @18016 has 85 MA's), (173, 18112), (186, 18145), (188, 18148), (199, 18187), (270, 18322), (282, 18352), (304, 18382), (311, 18388), (320, 18406), (331, 18430), (351, 18472), (445, 18643), (558, 18886), (600, 18976),

Gene: Jabith_27 Start: 19788, Stop: 20810, Start Num: 106

Candidate Starts for Jabith_27:

(Start: 106 @19788 has 240 MA's), (147, 19845), (183, 19920), (242, 20049), (270, 20109), (304, 20169), (311, 20175), (331, 20217), (353, 20262), (355, 20268), (401, 20352), (426, 20385), (558, 20667), (561, 20676), (568, 20691), (600, 20757),

Gene: JacoRen57_16 Start: 14312, Stop: 15445, Start Num: 34

Candidate Starts for JacoRen57_16:

(Start: 34 @14312 has 4 MA's), (42, 14360), (Start: 97 @14465 has 2 MA's), (119, 14489), (121, 14492), (177, 14582), (179, 14588), (221, 14702), (225, 14711), (319, 14891), (333, 14924), (336, 14933), (415, 15062), (427, 15074), (433, 15083), (476, 15128), (480, 15137), (501, 15170), (507, 15191), (510, 15200), (539, 15260), (552, 15299), (554, 15305), (562, 15329), (599, 15410),

Gene: Jalammah_20 Start: 16587, Stop: 17447, Start Num: 70

Candidate Starts for Jalammah_20:

(Start: 70 @16587 has 25 MA's), (183, 16743), (213, 16824), (248, 16881), (253, 16890), (275, 16923), (334, 17031), (398, 17115), (461, 17181), (465, 17187), (538, 17316), (553, 17358),

Gene: Jambalaya_30 Start: 24699, Stop: 25643, Start Num: 91

Candidate Starts for Jambalaya_30:

(Start: 91 @24699 has 34 MA's), (161, 24804), (192, 24873), (194, 24879), (202, 24903), (209, 24918), (438, 25278), (443, 25293), (456, 25311), (522, 25413), (541, 25455), (556, 25491), (598, 25587), (617, 25638),

Gene: Jamzy_20 Start: 14144, Stop: 15103, Start Num: 110

Candidate Starts for Jamzy_20:

(Start: 110 @14144 has 84 MA's), (145, 14192), (147, 14195), (183, 14273), (249, 14408), (252, 14414), (288, 14483), (291, 14486), (303, 14510), (320, 14531), (342, 14570), (371, 14621), (438, 14723), (496, 14810), (540, 14906), (553, 14936), (556, 14945), (566, 14969), (579, 15002), (584, 15011), (587, 15017), (609, 15068), (616, 15089), (618, 15095),

Gene: Jane_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Jane_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Jarvi_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Jarvi_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: JasperJr_18 Start: 15797, Stop: 16657, Start Num: 73

Candidate Starts for JasperJr_18:

(Start: 67 @15791 has 6 MA's), (Start: 73 @15797 has 29 MA's), (183, 15953), (213, 16034), (275, 16133), (334, 16241), (398, 16325), (465, 16397), (538, 16526), (547, 16553), (553, 16568),

Gene: Jayhawk_22 Start: 16018, Stop: 17154, Start Num: 31

Candidate Starts for Jayhawk_22:

(Start: 31 @16018 has 231 MA's), (Start: 67 @16135 has 6 MA's), (140, 16225), (154, 16246), (162, 16267), (178, 16294), (293, 16549), (334, 16630), (372, 16705), (390, 16720), (476, 16831), (500, 16873), (539, 16966), (547, 16990), (584, 17083), (601, 17122), (608, 17140),

Gene: Jeckyll_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Jeckyll_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Jecs_19 Start: 16030, Stop: 16956, Start Num: 106

Candidate Starts for Jecs_19:

(19, 15781), (36, 15862), (40, 15898), (41, 15904), (86, 16012), (Start: 106 @16030 has 240 MA's), (Start: 117 @16039 has 6 MA's), (147, 16081), (Start: 151 @16093 has 1 MA's), (259, 16315), (283, 16360), (299, 16384), (313, 16390), (317, 16399), (320, 16405), (335, 16435), (353, 16465), (371, 16495), (375, 16501), (421, 16561), (424, 16564), (438, 16588), (486, 16645), (496, 16666), (527, 16732), (553, 16792), (558, 16801), (581, 16855), (616, 16939),

Gene: Jeeves_26 Start: 18193, Stop: 19215, Start Num: 106

Candidate Starts for Jeeves_26:

(Start: 106 @18193 has 240 MA's), (Start: 122 @18211 has 2 MA's), (147, 18247), (161, 18268), (173, 18286), (216, 18406), (287, 18538), (311, 18568), (329, 18607), (331, 18610), (353, 18655), (466, 18856), (467, 18862), (495, 18922), (558, 19072), (568, 19096),

Gene: Jeffabunny_30 Start: 18984, Stop: 20000, Start Num: 106

Candidate Starts for Jeffabunny_30:

(Start: 106 @18984 has 240 MA's), (Start: 122 @19002 has 2 MA's), (147, 19038), (173, 19077), (212, 19182), (311, 19359), (329, 19398), (331, 19401), (377, 19488), (385, 19509), (455, 19635), (495, 19707), (558, 19857), (561, 19866), (600, 19947),

Gene: Jeilious_17 Start: 15476, Stop: 16648, Start Num: 31

Candidate Starts for Jeilious_17:

(5, 15143), (Start: 31 @15476 has 231 MA's), (Start: 67 @15596 has 6 MA's), (Start: 84 @15614 has 6 MA's), (121, 15659), (124, 15665), (161, 15728), (180, 15764), (207, 15833), (208, 15836), (214, 15857), (240, 15911), (261, 15956), (278, 15986), (333, 16088), (338, 16100), (342, 16112), (351, 16130), (461, 16295), (476, 16325), (491, 16343), (500, 16367), (548, 16487), (584, 16577), (599, 16610),

Gene: Jerm_29 Start: 19620, Stop: 20636, Start Num: 106

Candidate Starts for Jerm_29:

(Start: 106 @19620 has 240 MA's), (161, 19695), (173, 19713), (188, 19749), (199, 19788), (311, 19995), (329, 20034), (331, 20037), (377, 20124), (473, 20304), (521, 20406), (554, 20481), (558, 20493),

Gene: Jester_22 Start: 15424, Stop: 16296, Start Num: 114

Candidate Starts for Jester_22:

(Start: 114 @15424 has 85 MA's), (140, 15463), (186, 15550), (Start: 211 @15619 has 1 MA's), (254, 15697), (267, 15724), (331, 15835), (409, 15931), (521, 16060), (530, 16078), (558, 16147), (615, 16285),

Gene: JewelBug_30 Start: 18971, Stop: 19984, Start Num: 106

Candidate Starts for JewelBug_30:

(Start: 106 @18971 has 240 MA's), (147, 19025), (173, 19064), (212, 19169), (287, 19316), (311, 19346), (329, 19385), (331, 19388), (353, 19433), (385, 19493), (495, 19691), (558, 19841), (561, 19850),

Gene: Jiawan_27 Start: 20563, Stop: 21576, Start Num: 106

Candidate Starts for Jiawan_27:

(Start: 106 @20563 has 240 MA's), (Start: 122 @20581 has 2 MA's), (161, 20638), (173, 20656), (188, 20692), (270, 20872), (287, 20908), (311, 20938), (331, 20980), (415, 21139), (495, 21283), (521, 21346), (554, 21421), (558, 21433), (568, 21457),

Gene: Jifall16_39 Start: 29533, Stop: 30474, Start Num: 87

Candidate Starts for Jifall16_39:

(Start: 87 @29533 has 26 MA's), (150, 29620), (188, 29695), (Start: 211 @29761 has 1 MA's), (240, 29803), (267, 29860), (401, 30073), (415, 30100), (500, 30211), (558, 30343), (600, 30439),

Gene: Jobypre_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for Jobypre_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: JoeDirt_17 Start: 15839, Stop: 16738, Start Num: 89

Candidate Starts for JoeDirt_17:

(62, 15803), (63, 15806), (Start: 89 @15839 has 16 MA's), (Start: 103 @15857 has 86 MA's), (125, 15881), (147, 15911), (155, 15926), (174, 15959), (246, 16103), (282, 16184), (329, 16259), (331, 16262), (335, 16268), (355, 16313), (376, 16340), (411, 16373), (425, 16379), (450, 16412), (455, 16421), (486, 16448), (538, 16568), (558, 16616), (571, 16643), (598, 16682), (601, 16688), (614, 16727),

Gene: JohnPork_30 Start: 24953, Stop: 25897, Start Num: 91

Candidate Starts for JohnPork_30:

(Start: 91 @24953 has 34 MA's), (161, 25058), (192, 25127), (194, 25133), (202, 25157), (209, 25172), (438, 25532), (443, 25547), (456, 25565), (522, 25667), (541, 25709), (556, 25745), (598, 25841), (617, 25892),

Gene: JoieB_50 Start: 26435, Stop: 27397, Start Num: 103

Candidate Starts for JoieB_50:

(Start: 103 @26435 has 86 MA's), (183, 26567), (192, 26591), (196, 26600), (198, 26606), (202, 26615), (212, 26639), (214, 26648), (219, 26660), (280, 26786), (324, 26867), (331, 26882), (335, 26888), (411, 26996), (505, 27122), (507, 27128), (577, 27278), (581, 27284), (588, 27296), (590,

27299), (621, 27386), (623, 27389), (624, 27392),

Gene: Jojo24_17 Start: 14138, Stop: 14980, Start Num: 109

Candidate Starts for Jojo24_17:

(80, 14099), (Start: 109 @14138 has 16 MA's), (155, 14207), (170, 14237), (177, 14258), (191, 14291), (206, 14333), (207, 14336), (331, 14543), (434, 14675), (540, 14804), (558, 14846), (586, 14906), (590, 14912), (605, 14951),

Gene: Jolene_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Jolene_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Jolie2_17 Start: 14787, Stop: 15974, Start Num: 31

Candidate Starts for Jolie2_17:

(1, 13731), (5, 14433), (Start: 31 @14787 has 231 MA's), (54, 14886), (Start: 84 @14934 has 6 MA's), (121, 14979), (124, 14985), (140, 15009), (180, 15084), (207, 15153), (208, 15156), (215, 15180), (237, 15231), (240, 15237), (261, 15282), (338, 15426), (355, 15465), (368, 15486), (443, 15591), (502, 15699), (542, 15795), (584, 15903), (599, 15936), (601, 15942),

Gene: JonJames_46 Start: 32084, Stop: 32980, Start Num: 65

Candidate Starts for JonJames_46:

(Start: 65 @32084 has 2 MA's), (140, 32171), (177, 32237), (183, 32252), (186, 32258), (273, 32429), (305, 32486), (333, 32540), (343, 32564), (420, 32663), (433, 32681), (476, 32729), (494, 32747), (502, 32771), (570, 32939),

Gene: Jonghyun_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Jonghyun_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: JorRay_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for JorRay_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Jordennis_30 Start: 18956, Stop: 19969, Start Num: 106

Candidate Starts for Jordennis_30:

(Start: 106 @18956 has 240 MA's), (147, 19010), (173, 19049), (212, 19154), (287, 19301), (311, 19331), (329, 19370), (331, 19373), (353, 19418), (385, 19478), (495, 19676), (558, 19826), (561, 19835),

Gene: Joselito_27 Start: 19736, Stop: 20758, Start Num: 106

Candidate Starts for Joselito_27:

(Start: 106 @19736 has 240 MA's), (147, 19793), (183, 19868), (242, 19997), (270, 20057), (304, 20117), (311, 20123), (331, 20165), (353, 20210), (355, 20216), (401, 20300), (426, 20333), (558, 20615), (561, 20624), (568, 20639), (600, 20705),

Gene: JoshKayV_29 Start: 19590, Stop: 20606, Start Num: 106

Candidate Starts for JoshKayV_29:

(Start: 106 @19590 has 240 MA's), (161, 19665), (173, 19683), (188, 19719), (199, 19758), (311, 19965), (329, 20004), (331, 20007), (377, 20094), (473, 20274), (521, 20376), (554, 20451), (558, 20463),

Gene: Journey13_25 Start: 18317, Stop: 19327, Start Num: 106

Candidate Starts for Journey13_25:

(Start: 106 @18317 has 240 MA's), (161, 18392), (173, 18410), (188, 18446), (199, 18485), (287, 18662), (311, 18692), (331, 18734), (353, 18779), (401, 18869), (455, 18962), (521, 19097), (558, 19184),

Gene: Jovo_23 Start: 18755, Stop: 19768, Start Num: 114

Candidate Starts for Jovo_23:

(Start: 114 @18755 has 85 MA's), (173, 18851), (186, 18884), (188, 18887), (199, 18926), (217, 18974), (311, 19127), (320, 19145), (331, 19169), (351, 19211), (511, 19523), (558, 19625), (569, 19652),

Gene: Joy99_22 Start: 15980, Stop: 17116, Start Num: 31

Candidate Starts for Joy99_22:

(Start: 31 @15980 has 231 MA's), (Start: 67 @16097 has 6 MA's), (140, 16187), (154, 16208), (162, 16229), (178, 16256), (293, 16511), (334, 16592), (372, 16667), (390, 16682), (476, 16793), (500, 16835), (539, 16928), (547, 16952), (584, 17045), (601, 17084), (608, 17102),

Gene: Jsquared_26 Start: 18082, Stop: 19092, Start Num: 106

Candidate Starts for Jsquared_26:

(Start: 106 @18082 has 240 MA's), (147, 18136), (161, 18157), (173, 18175), (199, 18250), (311, 18457), (329, 18496), (331, 18499), (353, 18544), (455, 18727), (521, 18862), (558, 18949),

Gene: JuJu_18 Start: 15718, Stop: 16578, Start Num: 70

Candidate Starts for JuJu_18:

(Start: 70 @15718 has 25 MA's), (Start: 93 @15733 has 8 MA's), (183, 15874), (213, 15955), (334, 16162), (398, 16246), (461, 16312), (494, 16357), (538, 16447), (547, 16474), (553, 16489),

Gene: Jubie_18 Start: 16491, Stop: 17381, Start Num: 103

Candidate Starts for Jubie_18:

(Start: 103 @16491 has 86 MA's), (125, 16515), (155, 16560), (161, 16575), (174, 16596), (212, 16692), (287, 16827), (292, 16836), (329, 16896), (331, 16899), (335, 16905), (376, 16977), (411, 17010), (429, 17022), (486, 17085), (506, 17139), (517, 17160), (540, 17211), (558, 17253), (614, 17364), (615, 17367),

Gene: Juliette_23 Start: 17390, Stop: 18523, Start Num: 31

Candidate Starts for Juliette_23:

(Start: 31 @17390 has 231 MA's), (54, 17480), (Start: 67 @17510 has 6 MA's), (140, 17600), (162, 17642), (163, 17645), (172, 17657), (331, 17993), (333, 17999), (370, 18074), (433, 18152), (459, 18167), (476, 18200), (500, 18242), (501, 18245), (540, 18338), (584, 18452), (601, 18491), (608, 18509),

Gene: JustASigh_17 Start: 15253, Stop: 16359, Start Num: 51

Candidate Starts for JustASigh_17:

(Start: 51 @15253 has 1 MA's), (Start: 56 @15268 has 23 MA's), (74, 15298), (77, 15301), (154, 15397), (177, 15442), (178, 15445), (180, 15451), (188, 15466), (218, 15550), (269, 15670), (300, 15727), (308, 15742), (337, 15805), (391, 15886), (401, 15904), (478, 16045), (543, 16186), (544, 16189), (552, 16213), (567, 16252), (575, 16273), (585, 16291),

Gene: Kabluna_43 Start: 28640, Stop: 29557, Start Num: 89

Candidate Starts for Kabluna_43:

(Start: 89 @28640 has 16 MA's), (150, 28721), (169, 28757), (240, 28904), (361, 29138), (398, 29165), (500, 29309), (558, 29426), (600, 29522), (602, 29528), (608, 29543),

Gene: Kahlid_17 Start: 16079, Stop: 16993, Start Num: 103

Candidate Starts for Kahlid_17:

(Start: 103 @16079 has 86 MA's), (125, 16103), (147, 16133), (206, 16259), (246, 16331), (328, 16484), (329, 16487), (331, 16490), (345, 16520), (398, 16577), (411, 16601), (425, 16607), (486, 16676), (495, 16694), (502, 16715), (527, 16769), (532, 16781), (558, 16844), (614, 16973), (619, 16985),

Gene: Kalpine_30 Start: 20976, Stop: 21989, Start Num: 106

Candidate Starts for Kalpine_30:

(Start: 106 @20976 has 240 MA's), (Start: 122 @20994 has 2 MA's), (161, 21051), (173, 21069), (188, 21105), (199, 21144), (311, 21351), (329, 21390), (331, 21393), (353, 21438), (385, 21498), (407, 21543), (455, 21624), (473, 21657), (558, 21846), (561, 21855), (568, 21870),

Gene: Kamaru_19 Start: 15501, Stop: 16424, Start Num: 112

Candidate Starts for Kamaru_19:

(Start: 112 @15501 has 15 MA's), (Start: 117 @15504 has 6 MA's), (125, 15516), (139, 15534), (163, 15579), (183, 15618), (197, 15657), (Start: 211 @15690 has 1 MA's), (213, 15696), (252, 15765), (281, 15819), (283, 15822), (286, 15825), (293, 15837), (315, 15855), (317, 15861), (320, 15867), (328, 15885), (360, 15939), (367, 15951), (371, 15957), (388, 15978), (424, 16026), (435, 16044), (438, 16050), (443, 16065), (445, 16068), (539, 16221), (540, 16224), (543, 16230), (558, 16263), (566, 16281), (579, 16314), (603, 16365), (609, 16380), (622, 16416),

Gene: Kamashten_33 Start: 29854, Stop: 30810, Start Num: 85

Candidate Starts for Kamashten_33:

(Start: 85 @29854 has 58 MA's), (194, 30040), (197, 30052), (209, 30079), (215, 30100), (255, 30160), (317, 30247), (319, 30250), (336, 30286), (352, 30319), (360, 30334), (367, 30346), (392, 30376), (396, 30382), (438, 30442), (500, 30532), (541, 30622), (552, 30646), (556, 30658), (584, 30724), (591, 30739), (602, 30763), (606, 30775),

Gene: KappaFarmDelta_18 Start: 15961, Stop: 16821, Start Num: 73

Candidate Starts for KappaFarmDelta_18:

(Start: 67 @15955 has 6 MA's), (Start: 73 @15961 has 29 MA's), (138, 16027), (183, 16117), (213, 16198), (334, 16405), (398, 16489), (461, 16555), (465, 16561), (538, 16690), (547, 16717), (553, 16732),

Gene: Kareem_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Kareem_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Kasen3_17 Start: 15478, Stop: 16650, Start Num: 31

Candidate Starts for Kasen3_17:

(5, 15145), (Start: 31 @15478 has 231 MA's), (Start: 67 @15598 has 6 MA's), (Start: 84 @15616 has 6 MA's), (121, 15661), (124, 15667), (161, 15730), (180, 15766), (207, 15835), (208, 15838), (214, 15859), (240, 15913), (261, 15958), (278, 15988), (333, 16090), (338, 16102), (342, 16114), (351, 16132), (461, 16297), (476, 16327), (491, 16345), (500, 16369), (548, 16489), (584, 16579), (599, 16612),

Gene: KatherineG_29 Start: 18241, Stop: 19218, Start Num: 110

Candidate Starts for KatherineG_29:

(Start: 110 @18241 has 84 MA's), (183, 18355), (186, 18361), (188, 18364), (297, 18598), (452, 18865), (493, 18919), (558, 19075),

Gene: KayGee_17 Start: 14465, Stop: 15421, Start Num: 110

Candidate Starts for KayGee_17:

(Start: 110 @14465 has 84 MA's), (143, 14510), (173, 14567), (183, 14594), (202, 14648), (213, 14675), (247, 14726), (249, 14729), (252, 14735), (254, 14738), (281, 14792), (291, 14807), (319, 14849), (320, 14852), (331, 14876), (342, 14891), (371, 14942), (438, 15038), (540, 15224), (553, 15254), (556, 15263), (566, 15287), (579, 15320), (616, 15407), (618, 15413),

Gene: Kazan_30 Start: 18972, Stop: 19985, Start Num: 106

Candidate Starts for Kazan_30:

(Start: 106 @18972 has 240 MA's), (147, 19026), (173, 19065), (212, 19170), (287, 19317), (311, 19347), (329, 19386), (331, 19389), (353, 19434), (385, 19494), (495, 19692), (558, 19842), (561, 19851),

Gene: Keelan_50 Start: 26977, Stop: 27921, Start Num: 101

Candidate Starts for Keelan_50:

(Start: 101 @26977 has 12 MA's), (177, 27097), (Start: 211 @27187 has 1 MA's), (249, 27247), (281, 27307), (299, 27334), (319, 27361), (328, 27382), (331, 27388), (349, 27427), (356, 27439), (438, 27556), (439, 27559), (462, 27595), (530, 27706), (536, 27721), (553, 27760), (556, 27769), (559, 27778), (566, 27793), (600, 27868), (616, 27913),

Gene: Keiki_15 Start: 11295, Stop: 12242, Start Num: 83

Candidate Starts for Keiki_15:

(74, 11280), (Start: 79 @11286 has 1 MA's), (Start: 83 @11295 has 44 MA's), (Start: 110 @11328 has 84 MA's), (126, 11346), (129, 11349), (135, 11355), (149, 11379), (154, 11388), (166, 11418), (168, 11421), (170, 11424), (174, 11436), (179, 11451), (182, 11460), (194, 11490), (206, 11520), (Start: 211 @11535 has 1 MA's), (214, 11547), (215, 11550), (216, 11553), (235, 11586), (242, 11601), (249, 11619), (267, 11655), (270, 11661), (280, 11688), (294, 11712), (319, 11739), (331, 11766), (335, 11772), (367, 11835), (375, 11847), (406, 11889), (408, 11892), (410, 11895), (441, 11946), (447, 11961), (458, 11982), (479, 11997), (483, 12003), (489, 12012), (492, 12018), (521, 12090), (522, 12093), (531, 12111), (532, 12114), (536, 12123), (554, 12171), (558, 12183), (561, 12192), (567, 12207), (569, 12213), (574, 12228),

Gene: Keitabear_34 Start: 31219, Stop: 32175, Start Num: 85

Candidate Starts for Keitabear_34:

(Start: 85 @31219 has 58 MA's), (194, 31405), (197, 31417), (209, 31444), (319, 31615), (336, 31651), (352, 31684), (360, 31699), (367, 31711), (392, 31741), (396, 31747), (438, 31807), (500, 31897), (541, 31987), (552, 32011), (556, 32023), (584, 32089), (591, 32104), (606, 32140),

Gene: Kenna_18 Start: 15508, Stop: 16431, Start Num: 112

Candidate Starts for Kenna_18:

(Start: 112 @15508 has 15 MA's), (Start: 117 @15511 has 6 MA's), (125, 15523), (139, 15541), (163, 15586), (183, 15625), (197, 15664), (Start: 211 @15697 has 1 MA's), (213, 15703), (252, 15772), (281, 15826), (283, 15829), (286, 15832), (293, 15844), (315, 15862), (317, 15868), (320, 15874), (328, 15892), (360, 15946), (367, 15958), (371, 15964), (388, 15985), (424, 16033), (435, 16051), (438, 16057), (443, 16072), (445, 16075), (539, 16228), (540, 16231), (543, 16237), (558, 16270), (566, 16288), (579, 16321), (603, 16372), (609, 16387), (622, 16423),

Gene: Kerberos_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for Kerberos_30:

(Start: 106 @19042 has 240 MA's), (161, 19117), (173, 19135), (247, 19306), (282, 19381), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: Keshu_21 Start: 16443, Stop: 17579, Start Num: 31

Candidate Starts for Keshu_21:

(Start: 31 @16443 has 231 MA's), (Start: 67 @16566 has 6 MA's), (121, 16629), (124, 16635), (147, 16665), (162, 16698), (208, 16803), (214, 16824), (216, 16830), (244, 16887), (261, 16926), (278, 16956), (293, 16980), (328, 17043), (342, 17079), (461, 17226), (476, 17256), (480, 17265), (500, 17298), (501, 17301), (502, 17304), (539, 17391), (569, 17478), (599, 17541), (601, 17547),

Gene: Kewpiedoll_33 Start: 29261, Stop: 30217, Start Num: 85

Candidate Starts for Kewpiedoll_33:

(Start: 85 @29261 has 58 MA's), (194, 29447), (197, 29459), (209, 29486), (215, 29507), (255, 29567), (319, 29657), (336, 29693), (352, 29726), (360, 29741), (367, 29753), (392, 29783), (396, 29789), (438, 29849), (500, 29939), (541, 30029), (552, 30053), (556, 30065), (584, 30131), (591, 30146), (602, 30170), (606, 30182),

Gene: Keziacharles14_26 Start: 18620, Stop: 19642, Start Num: 106

Candidate Starts for Keziacharles14_26:

(Start: 106 @18620 has 240 MA's), (147, 18674), (173, 18713), (242, 18869), (270, 18929), (287, 18965), (311, 18995), (326, 19028), (331, 19037), (353, 19082), (407, 19187), (466, 19283), (554, 19487), (558, 19499), (561, 19508), (568, 19523), (600, 19589),

Gene: KiSi_21 Start: 15189, Stop: 16325, Start Num: 31

Candidate Starts for KiSi_21:

(Start: 31 @15189 has 231 MA's), (Start: 67 @15306 has 6 MA's), (Start: 84 @15324 has 6 MA's), (154, 15417), (178, 15465), (261, 15666), (293, 15720), (319, 15765), (328, 15786), (351, 15840), (370, 15873), (390, 15891), (433, 15954), (500, 16044), (501, 16047), (522, 16098), (539, 16137), (584, 16254), (601, 16293), (608, 16311),

Gene: KidneyBean_40 Start: 29657, Stop: 30598, Start Num: 87

Candidate Starts for KidneyBean_40:

(Start: 87 @29657 has 26 MA's), (150, 29744), (188, 29819), (Start: 211 @29885 has 1 MA's), (240, 29927), (267, 29984), (401, 30197), (415, 30224), (500, 30335), (558, 30467), (600, 30563),

Gene: Kiko_19 Start: 15761, Stop: 16708, Start Num: 106

Candidate Starts for Kiko_19:

(Start: 106 @15761 has 240 MA's), (Start: 122 @15779 has 2 MA's), (208, 15956), (252, 16037), (259, 16049), (283, 16094), (299, 16121), (313, 16127), (320, 16142), (353, 16202), (371, 16232), (375, 16238), (424, 16301), (504, 16436), (527, 16478), (539, 16505), (558, 16547), (559, 16550), (564, 16562), (581, 16601), (587, 16613), (600, 16637), (618, 16688),

Gene: Kimba_27 Start: 19788, Stop: 20810, Start Num: 106

Candidate Starts for Kimba_27:

(Start: 106 @19788 has 240 MA's), (147, 19845), (183, 19920), (242, 20049), (270, 20109), (304, 20169), (311, 20175), (331, 20217), (353, 20262), (355, 20268), (401, 20352), (426, 20385), (558, 20667), (561, 20676), (568, 20691), (600, 20757),

Gene: Kimchi1738_30 Start: 26704, Stop: 27570, Start Num: 72

Candidate Starts for Kimchi1738_30:

(Start: 72 @26704 has 35 MA's), (88, 26728), (128, 26773), (161, 26833), (216, 26968), (313, 27130), (328, 27163), (398, 27238), (411, 27262), (505, 27337), (537, 27403), (558, 27439), (569, 27466), (596, 27523),

Gene: KimmyK_32 Start: 25634, Stop: 26578, Start Num: 91

Candidate Starts for KimmyK_32:

(Start: 91 @25634 has 34 MA's), (161, 25739), (192, 25808), (194, 25814), (202, 25838), (209, 25853), (438, 26213), (443, 26228), (456, 26246), (522, 26348), (541, 26390), (556, 26426), (598, 26522), (617, 26573),

Gene: Kinbote_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Kinbote_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: KingCyrus_29 Start: 19587, Stop: 20603, Start Num: 106

Candidate Starts for KingCyrus_29:

(Start: 106 @19587 has 240 MA's), (161, 19662), (173, 19680), (188, 19716), (199, 19755), (311, 19962), (329, 20001), (331, 20004), (377, 20091), (473, 20271), (521, 20373), (554, 20448), (558, 20460),

Gene: Kingsolomon_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for Kingsolomon_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: Kinmap_27 Start: 18591, Stop: 19607, Start Num: 106

Candidate Starts for Kinmap_27:

(Start: 106 @18591 has 240 MA's), (161, 18666), (173, 18684), (188, 18720), (311, 18966), (331, 19008), (377, 19095), (385, 19116), (411, 19167), (445, 19221), (554, 19452), (568, 19488),

Gene: Kipper29_30 Start: 18966, Stop: 19979, Start Num: 106

Candidate Starts for Kipper29_30:

(Start: 106 @18966 has 240 MA's), (147, 19020), (173, 19059), (212, 19164), (287, 19311), (311, 19341), (329, 19380), (331, 19383), (353, 19428), (385, 19488), (495, 19686), (558, 19836), (561, 19845),

Gene: KirDoubleO7_16 Start: 16499, Stop: 17389, Start Num: 103

Candidate Starts for KirDoubleO7_16:

(Start: 103 @16499 has 86 MA's), (125, 16523), (155, 16568), (161, 16583), (174, 16604), (212, 16700), (214, 16709), (287, 16835), (292, 16844), (329, 16904), (331, 16907), (335, 16913), (376, 16985), (411, 17018), (429, 17030), (486, 17093), (517, 17168), (540, 17219), (558, 17261), (614, 17372), (615, 17375),

Gene: KleverKiS_27 Start: 21440, Stop: 22351, Start Num: 96

Candidate Starts for KleverKiS_27:

(Start: 96 @21440 has 21 MA's), (167, 21542), (177, 21560), (183, 21575), (212, 21647), (260, 21734), (328, 21869), (329, 21872), (331, 21875), (368, 21944), (411, 21986), (425, 21992), (515, 22133), (527, 22154), (532, 22166), (596, 22289), (601, 22301),

Gene: Klodlith_27 Start: 18680, Stop: 19702, Start Num: 106

Candidate Starts for Klodlith_27:

(Start: 106 @18680 has 240 MA's), (Start: 122 @18698 has 2 MA's), (147, 18734), (173, 18773), (270, 18989), (287, 19025), (311, 19055), (331, 19097), (353, 19142), (407, 19247), (450, 19319), (466, 19343), (467, 19349), (554, 19547), (558, 19559), (561, 19568), (568, 19583), (600, 19649),

Gene: Koduck_28 Start: 18322, Stop: 19332, Start Num: 106

Candidate Starts for Koduck_28:

(Start: 106 @18322 has 240 MA's), (147, 18376), (161, 18397), (173, 18415), (199, 18490), (311, 18697), (329, 18736), (331, 18739), (455, 18967), (521, 19102), (554, 19177), (558, 19189),

Gene: Koko_30 Start: 19301, Stop: 20317, Start Num: 106

Candidate Starts for Koko_30:

(Start: 106 @19301 has 240 MA's), (Start: 122 @19319 has 2 MA's), (147, 19355), (173, 19394), (188, 19430), (212, 19499), (311, 19676), (329, 19715), (331, 19718), (377, 19805), (385, 19826), (455, 19952), (495, 20024), (558, 20174), (561, 20183), (600, 20264),

Gene: Kratio_19 Start: 16054, Stop: 17184, Start Num: 37

Candidate Starts for Kratio_19:

(Start: 37 @16054 has 23 MA's), (121, 16228), (161, 16294), (162, 16297), (178, 16324), (214, 16423), (261, 16525), (293, 16579), (311, 16609), (328, 16645), (329, 16648), (333, 16657), (370, 16732), (372, 16735), (404, 16771), (433, 16813), (461, 16831), (465, 16837), (476, 16861), (477, 16864), (500, 16903), (543, 17008), (584, 17113), (601, 17152), (608, 17170),

Gene: Kraw_23 Start: 17413, Stop: 18546, Start Num: 31

Candidate Starts for Kraw_23:

(Start: 31 @17413 has 231 MA's), (38, 17431), (54, 17503), (Start: 67 @17533 has 6 MA's), (140, 17623), (162, 17665), (177, 17689), (215, 17794), (331, 18016), (333, 18022), (431, 18172), (433, 18175), (461, 18193), (476, 18223), (500, 18265), (501, 18268), (522, 18319), (575, 18460), (584, 18475), (601, 18514), (608, 18532),

Gene: Krishelle_22 Start: 15751, Stop: 16623, Start Num: 114

Candidate Starts for Krishelle_22:

(Start: 114 @15751 has 85 MA's), (140, 15790), (186, 15877), (Start: 211 @15946 has 1 MA's), (254, 16024), (267, 16051), (331, 16162), (409, 16258), (521, 16387), (530, 16405), (558, 16474), (615, 16612),

Gene: Kroos_34 Start: 29432, Stop: 30388, Start Num: 85

Candidate Starts for Kroos_34:

(Start: 85 @29432 has 58 MA's), (183, 29588), (194, 29618), (197, 29630), (202, 29642), (209, 29657), (213, 29669), (319, 29828), (336, 29864), (367, 29924), (396, 29960), (438, 30020), (500, 30110), (541, 30200), (552, 30224), (556, 30236), (584, 30302), (591, 30317), (602, 30341), (606, 30353),

Gene: Kropertea_17 Start: 15715, Stop: 16602, Start Num: 103

Candidate Starts for Kropertea_17:

(Start: 103 @15715 has 86 MA's), (125, 15739), (145, 15766), (147, 15769), (155, 15784), (174, 15817), (212, 15913), (287, 16048), (292, 16057), (329, 16117), (331, 16120), (376, 16198), (401, 16213), (425, 16237), (486, 16306), (497, 16330), (506, 16360), (538, 16426), (558, 16474), (571, 16501), (614, 16585),

Gene: Krueger_21 Start: 15170, Stop: 16309, Start Num: 31

Candidate Starts for Krueger_21:

(Start: 31 @15170 has 231 MA's), (Start: 67 @15290 has 6 MA's), (140, 15380), (178, 15449), (261, 15650), (334, 15785), (335, 15788), (390, 15875), (431, 15935), (461, 15956), (476, 15986), (500, 16028), (501, 16031), (502, 16034), (539, 16121), (547, 16145), (575, 16223), (584, 16238), (601, 16277), (608, 16295),

Gene: Krypton555_18 Start: 16428, Stop: 17318, Start Num: 103

Candidate Starts for Krypton555_18:

(Start: 103 @16428 has 86 MA's), (125, 16452), (155, 16497), (161, 16512), (174, 16533), (212, 16629), (287, 16764), (292, 16773), (329, 16833), (331, 16836), (335, 16842), (376, 16914), (411, 16947), (429, 16959), (486, 17022), (506, 17076), (517, 17097), (540, 17148), (558, 17190), (614, 17301), (615, 17304),

Gene: Kubed_15 Start: 11291, Stop: 12232, Start Num: 83

Candidate Starts for Kubed_15:

(Start: 79 @11282 has 1 MA's), (Start: 83 @11291 has 44 MA's), (Start: 110 @11324 has 84 MA's), (Start: 115 @11330 has 6 MA's), (126, 11342), (149, 11369), (154, 11378), (166, 11408), (168, 11411), (170, 11414), (174, 11426), (177, 11435), (182, 11450), (194, 11480), (206, 11510), (Start: 211 @11525 has 1 MA's), (215, 11540), (216, 11543), (249, 11609), (262, 11636), (267, 11645), (270, 11651), (280, 11678), (319, 11729), (329, 11753), (335, 11762), (367, 11825), (375, 11837), (408, 11882), (410, 11885), (441, 11936), (447, 11951), (458, 11972), (479, 11987), (489, 12002), (521, 12080), (522, 12083), (531, 12101), (532, 12104), (554, 12161), (558, 12173), (561, 12182), (567, 12197), (574, 12218),

Gene: Kudfre_26 Start: 20872, Stop: 21783, Start Num: 100

Candidate Starts for Kudfre_26:

(Start: 100 @20872 has 6 MA's), (Start: 114 @20887 has 85 MA's), (267, 21178), (268, 21181), (320, 21280), (328, 21298), (331, 21304), (342, 21328), (411, 21415), (425, 21421), (454, 21469), (504, 21547), (505, 21550), (531, 21601), (554, 21655), (571, 21697), (597, 21733), (598, 21736), (604, 21751),

Gene: Kumao_27 Start: 20552, Stop: 21469, Start Num: 91

Candidate Starts for Kumao_27:

(Start: 91 @20552 has 34 MA's), (130, 20600), (161, 20651), (183, 20693), (190, 20708), (199, 20735), (212, 20765), (287, 20906), (328, 20987), (329, 20990), (331, 20993), (335, 20999), (411, 21104), (425, 21110), (527, 21272), (540, 21305), (553, 21332), (573, 21380), (601, 21419), (613, 21455),

Gene: Kurt_40 Start: 29894, Stop: 30835, Start Num: 87

Candidate Starts for Kurt_40:

(Start: 87 @29894 has 26 MA's), (150, 29981), (188, 30056), (Start: 211 @30122 has 1 MA's), (240, 30164), (267, 30221), (401, 30434), (415, 30461), (500, 30572), (558, 30704), (600, 30800),

Gene: Kwekel_31 Start: 26508, Stop: 27485, Start Num: 72

Candidate Starts for Kwekel_31:

(Start: 72 @26508 has 35 MA's), (86, 26520), (Start: 103 @26541 has 86 MA's), (Start: 109 @26547 has 16 MA's), (137, 26586), (144, 26595), (161, 26631), (173, 26649), (177, 26658), (202, 26727), (254, 26823), (270, 26856), (359, 27024), (379, 27057), (407, 27093), (454, 27168), (510, 27273), (514, 27279), (532, 27309), (543, 27336), (556, 27372), (569, 27405), (600, 27474),

Gene: Kwobi_35 Start: 29418, Stop: 30374, Start Num: 85

Candidate Starts for Kwobi_35:

(Start: 85 @29418 has 58 MA's), (183, 29574), (194, 29604), (197, 29616), (202, 29628), (209, 29643), (213, 29655), (319, 29814), (336, 29850), (367, 29910), (396, 29946), (438, 30006), (500, 30096), (541, 30186), (552, 30210), (556, 30222), (584, 30288), (591, 30303), (602, 30327), (606, 30339),

Gene: L5_27 Start: 18333, Stop: 19343, Start Num: 106

Candidate Starts for L5_27:

(Start: 106 @18333 has 240 MA's), (147, 18387), (161, 18408), (173, 18426), (199, 18501), (311, 18708), (329, 18747), (331, 18750), (455, 18978), (521, 19113), (554, 19188), (558, 19200),

Gene: LadyBird_27 Start: 19164, Stop: 20174, Start Num: 106

Candidate Starts for LadyBird_27:

(Start: 106 @19164 has 240 MA's), (147, 19218), (173, 19257), (199, 19332), (270, 19473), (311, 19539), (329, 19578), (331, 19581), (455, 19809), (521, 19944), (531, 19965), (554, 20019), (558, 20031), (600, 20121),

Gene: Landor_28 Start: 20775, Stop: 21791, Start Num: 106

Candidate Starts for Landor_28:

(Start: 106 @20775 has 240 MA's), (161, 20850), (173, 20868), (199, 20943), (270, 21084), (282, 21114), (311, 21150), (331, 21192), (379, 21282), (393, 21318), (401, 21333), (473, 21459), (511, 21546), (558, 21648), (568, 21672),

Gene: Larenn_28 Start: 19455, Stop: 20471, Start Num: 106

Candidate Starts for Larenn_28:

(Start: 106 @19455 has 240 MA's), (161, 19530), (173, 19548), (188, 19584), (199, 19623), (270, 19764), (311, 19830), (329, 19869), (331, 19872), (455, 20106), (531, 20262), (558, 20328), (568, 20352),

Gene: Larva_20 Start: 16169, Stop: 17299, Start Num: 37

Candidate Starts for Larva_20:

(Start: 37 @16169 has 23 MA's), (121, 16343), (161, 16409), (178, 16439), (214, 16538), (261, 16640), (293, 16694), (311, 16724), (328, 16760), (329, 16763), (333, 16772), (370, 16847), (372, 16850), (404, 16886), (433, 16928), (461, 16946), (465, 16952), (476, 16976), (477, 16979), (500, 17018), (542, 17120), (584, 17228), (601, 17267), (608, 17285),

Gene: LastHope_22 Start: 15314, Stop: 16450, Start Num: 31

Candidate Starts for LastHope_22:

(Start: 31 @15314 has 231 MA's), (Start: 67 @15431 has 6 MA's), (154, 15542), (178, 15590), (215, 15692), (293, 15845), (334, 15926), (390, 16016), (476, 16127), (500, 16169), (539, 16262), (547, 16286), (584, 16379), (601, 16418), (608, 16436),

Gene: LastResort_29 Start: 18122, Stop: 19099, Start Num: 110

Candidate Starts for LastResort_29:

(Start: 110 @18122 has 84 MA's), (183, 18236), (186, 18242), (188, 18245), (297, 18479), (452, 18746), (493, 18800), (558, 18956),

Gene: LaterM_22 Start: 15979, Stop: 17115, Start Num: 31

Candidate Starts for LaterM_22:

(Start: 31 @15979 has 231 MA's), (Start: 67 @16096 has 6 MA's), (154, 16207), (162, 16228), (178, 16255), (215, 16357), (293, 16510), (334, 16591), (390, 16681), (476, 16792), (500, 16834), (539, 16927), (547, 16951), (584, 17044), (601, 17083), (608, 17101),

Gene: Lauchelly_15 Start: 11298, Stop: 12245, Start Num: 83

Candidate Starts for Lauchelly_15:

(Start: 79 @11289 has 1 MA's), (81, 11292), (Start: 83 @11298 has 44 MA's), (Start: 110 @11331 has 84 MA's), (126, 11349), (129, 11352), (135, 11358), (149, 11382), (154, 11391), (166, 11421), (168, 11424), (170, 11427), (174, 11439), (177, 11448), (182, 11463), (194, 11493), (206, 11523), (Start: 211 @11538 has 1 MA's), (213, 11544), (216, 11556), (242, 11604), (249, 11622), (262, 11649), (267, 11658), (270, 11664), (280, 11691), (294, 11715), (319, 11742), (329, 11766), (335, 11775), (367, 11838), (375, 11850), (406, 11892), (408, 11895), (410, 11898), (441, 11949), (447, 11964), (458, 11985), (479, 12000), (489, 12015), (492, 12021), (521, 12093), (522, 12096), (531, 12114), (532, 12117), (554, 12174), (558, 12186), (561, 12195), (567, 12210), (569, 12216), (574, 12231),

Gene: Lauer_16 Start: 14514, Stop: 15470, Start Num: 110

Candidate Starts for Lauer_16:

(Start: 110 @14514 has 84 MA's), (143, 14559), (173, 14616), (183, 14643), (202, 14697), (213, 14724), (247, 14775), (249, 14778), (252, 14784), (254, 14787), (281, 14841), (291, 14856), (320, 14901), (331, 14925), (342, 14940), (371, 14991), (438, 15087), (540, 15273), (553, 15303), (556, 15312), (579, 15369), (603, 15420), (616, 15456), (618, 15462),

Gene: Lavahound_20 Start: 16119, Stop: 17255, Start Num: 31

Candidate Starts for Lavahound_20:

(Start: 31 @16119 has 231 MA's), (Start: 67 @16236 has 6 MA's), (111, 16287), (178, 16395), (215, 16497), (216, 16500), (261, 16596), (293, 16650), (328, 16716), (333, 16728), (500, 16974), (501, 16977), (547, 17091), (584, 17184), (601, 17223), (608, 17241),

Gene: LeBron_17 Start: 15873, Stop: 16772, Start Num: 89

Candidate Starts for LeBron_17:

(Start: 89 @15873 has 16 MA's), (Start: 103 @15891 has 86 MA's), (125, 15915), (147, 15945), (155, 15960), (174, 15993), (246, 16137), (282, 16218), (329, 16293), (331, 16296), (335, 16302), (355, 16347), (376, 16374), (411, 16407), (425, 16413), (450, 16446), (455, 16455), (486, 16482), (538, 16602), (558, 16650), (598, 16716), (601, 16722), (614, 16761),

Gene: LeMond_21 Start: 15260, Stop: 16396, Start Num: 31

Candidate Starts for LeMond_21:

(Start: 31 @15260 has 231 MA's), (Start: 67 @15377 has 6 MA's), (Start: 84 @15395 has 6 MA's), (121, 15440), (154, 15488), (178, 15536), (261, 15737), (293, 15791), (319, 15836), (328, 15857), (351, 15911), (370, 15944), (390, 15962), (433, 16025), (500, 16115), (501, 16118), (522, 16169), (539, 16208), (584, 16325), (601, 16364), (608, 16382),

Gene: Lea83_21 Start: 16440, Stop: 17576, Start Num: 31

Candidate Starts for Lea83_21:

(Start: 31 @16440 has 231 MA's), (Start: 67 @16563 has 6 MA's), (121, 16626), (124, 16632), (147, 16662), (208, 16800), (214, 16821), (216, 16827), (244, 16884), (261, 16923), (278, 16953), (328, 17040), (342, 17076), (461, 17223), (476, 17253), (480, 17262), (500, 17295), (501, 17298), (502, 17301), (539, 17388), (569, 17475), (599, 17538), (601, 17544),

Gene: Lebo14_23 Start: 17506, Stop: 18639, Start Num: 31

Candidate Starts for Lebo14_23:

(Start: 31 @17506 has 231 MA's), (38, 17524), (54, 17596), (Start: 67 @17626 has 6 MA's), (140, 17716), (162, 17758), (177, 17782), (215, 17887), (293, 18040), (331, 18109), (333, 18115), (433, 18268), (461, 18286), (476, 18316), (500, 18358), (501, 18361), (575, 18553), (584, 18568), (601, 18607), (608, 18625),

Gene: Lemuria_17 Start: 14821, Stop: 16008, Start Num: 31

Candidate Starts for Lemuria_17:

(Start: 31 @14821 has 231 MA's), (Start: 84 @14968 has 6 MA's), (121, 15013), (124, 15019), (177, 15109), (207, 15187), (208, 15190), (214, 15211), (215, 15214), (237, 15265), (240, 15271), (261, 15316), (338, 15460), (351, 15490), (370, 15523), (443, 15625), (465, 15661), (476, 15685), (502, 15733), (542, 15829), (572, 15916), (584, 15937), (599, 15970), (601, 15976),

Gene: Lennon_34 Start: 31006, Stop: 31962, Start Num: 85

Candidate Starts for Lennon_34:

(Start: 85 @31006 has 58 MA's), (194, 31192), (197, 31204), (209, 31231), (215, 31252), (255, 31312), (317, 31399), (319, 31402), (336, 31438), (352, 31471), (360, 31486), (367, 31498), (392, 31528), (396, 31534), (438, 31594), (500, 31684), (541, 31774), (552, 31798), (556, 31810), (584, 31876), (606, 31927), (617, 31957),

Gene: Leogania_29 Start: 21323, Stop: 22333, Start Num: 106

Candidate Starts for Leogania_29:

(Start: 106 @21323 has 240 MA's), (161, 21398), (173, 21416), (188, 21452), (199, 21491), (287, 21668), (311, 21698), (329, 21737), (331, 21740), (455, 21968), (521, 22103), (554, 22178), (558, 22190), (600, 22280),

Gene: Leonard_32 Start: 28151, Stop: 29137, Start Num: 72

Candidate Starts for Leonard_32:

(Start: 72 @28151 has 35 MA's), (161, 28274), (180, 28310), (202, 28370), (254, 28466), (317, 28577), (326, 28598), (379, 28700), (399, 28721), (407, 28736), (445, 28793), (478, 28844), (530, 28952), (532, 28958), (538, 28973), (544, 28991), (556, 29024), (569, 29057), (570, 29060), (600, 29126),

Gene: Leroy_19 Start: 15515, Stop: 16438, Start Num: 112

Candidate Starts for Leroy_19:

(Start: 112 @15515 has 15 MA's), (Start: 117 @15518 has 6 MA's), (125, 15530), (139, 15548), (163, 15593), (183, 15632), (197, 15671), (Start: 211 @15704 has 1 MA's), (213, 15710), (252, 15779), (283, 15836), (286, 15839), (293, 15851), (317, 15875), (320, 15881), (328, 15899), (360, 15953), (367, 15965), (371, 15971), (388, 15992), (424, 16040), (435, 16058), (438, 16064), (443, 16079), (445, 16082), (539, 16235), (540, 16238), (543, 16244), (558, 16277), (566, 16295), (579, 16328), (603, 16379), (609, 16394), (622, 16430),

Gene: Leston_20 Start: 16453, Stop: 17583, Start Num: 37

Candidate Starts for Leston_20:

(Start: 37 @16453 has 23 MA's), (161, 16693), (162, 16696), (178, 16723), (214, 16822), (261, 16924), (293, 16978), (311, 17008), (328, 17044), (329, 17047), (333, 17056), (370, 17131), (372, 17134), (433, 17212), (461, 17230), (465, 17236), (476, 17260), (477, 17263), (480, 17269), (500, 17302), (584, 17512), (601, 17551), (608, 17569),

Gene: Lev2_23 Start: 18467, Stop: 19480, Start Num: 114

Candidate Starts for Lev2_23:

(Start: 114 @18467 has 85 MA's), (173, 18563), (186, 18596), (188, 18599), (199, 18638), (217, 18686), (311, 18839), (320, 18857), (331, 18881), (351, 18923), (511, 19235), (558, 19337), (569, 19364), (600, 19427),

Gene: Leviathan_29 Start: 19676, Stop: 20692, Start Num: 106

Candidate Starts for Leviathan_29:

(Start: 106 @19676 has 240 MA's), (161, 19751), (173, 19769), (188, 19805), (199, 19844), (311, 20051), (329, 20090), (331, 20093), (377, 20180), (473, 20360), (521, 20462), (554, 20537), (558, 20549),

Gene: Leviosa_15 Start: 11312, Stop: 12259, Start Num: 83

Candidate Starts for Leviosa_15:

(74, 11297), (Start: 79 @11303 has 1 MA's), (Start: 83 @11312 has 44 MA's), (Start: 110 @11345 has 84 MA's), (126, 11363), (129, 11366), (135, 11372), (149, 11396), (154, 11405), (166, 11435), (168, 11438), (170, 11441), (174, 11453), (177, 11462), (194, 11507), (206, 11537), (Start: 211 @11552 has 1 MA's), (214, 11564), (216, 11570), (242, 11618), (249, 11636), (262, 11663), (267, 11672), (270, 11678), (280, 11705), (319, 11756), (329, 11780), (335, 11789), (367, 11852), (375, 11864), (406, 11906), (408, 11909), (410, 11912), (441, 11963), (447, 11978), (458, 11999), (479, 12014), (489, 12029), (492, 12035), (521, 12107), (522, 12110), (531, 12128), (532, 12131), (536, 12140), (554, 12188), (558, 12200), (561, 12209), (567, 12224), (569, 12230), (574, 12245),

Gene: Lewan_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Lewan_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Liefie_17 Start: 15476, Stop: 16648, Start Num: 31

Candidate Starts for Liefie_17:

(5, 15143), (Start: 31 @15476 has 231 MA's), (Start: 67 @15596 has 6 MA's), (Start: 84 @15614 has 6 MA's), (121, 15659), (124, 15665), (161, 15728), (180, 15764), (207, 15833), (208, 15836), (214, 15857), (240, 15911), (261, 15956), (278, 15986), (333, 16088), (338, 16100), (351, 16130), (461, 16295), (476, 16325), (491, 16343), (500, 16367), (548, 16487), (584, 16577), (599, 16610),

Gene: LilBandit_15 Start: 11296, Stop: 12243, Start Num: 83

Candidate Starts for LilBandit_15:

(74, 11281), (Start: 79 @11287 has 1 MA's), (Start: 83 @11296 has 44 MA's), (Start: 110 @11329 has 84 MA's), (126, 11347), (129, 11350), (135, 11356), (149, 11380), (154, 11389), (166, 11419), (168, 11422), (170, 11425), (174, 11437), (177, 11446), (194, 11491), (206, 11521), (Start: 211 @11536 has 1 MA's), (214, 11548), (216, 11554), (242, 11602), (249, 11620), (262, 11647), (267, 11656), (270, 11662), (280, 11689), (315, 11731), (319, 11740), (329, 11764), (335, 11773), (367, 11836), (375, 11848), (406, 11890), (408, 11893), (410, 11896), (432, 11929), (441, 11947), (447, 11962), (458, 11983), (479, 11998), (489, 12013), (492, 12019), (521, 12091), (522, 12094), (531, 12112), (532, 12115), (536, 12124), (554, 12172), (558, 12184), (561, 12193), (567, 12208), (569, 12214), (574, 12229),

Gene: LilDestine_17 Start: 16073, Stop: 16987, Start Num: 103

Candidate Starts for LilDestine_17:

(Start: 103 @16073 has 86 MA's), (125, 16097), (147, 16127), (206, 16253), (246, 16325), (328, 16478), (329, 16481), (331, 16484), (345, 16514), (398, 16571), (411, 16595), (425, 16601), (486, 16670), (495, 16688), (502, 16709), (532, 16775), (558, 16838), (614, 16967), (619, 16979),

Gene: LilDirt_19 Start: 16180, Stop: 17310, Start Num: 37

Candidate Starts for LilDirt_19:

(Start: 37 @16180 has 23 MA's), (121, 16354), (161, 16420), (162, 16423), (178, 16450), (214, 16549), (261, 16651), (293, 16705), (311, 16735), (328, 16771), (329, 16774), (333, 16783), (370, 16858), (372, 16861), (404, 16897), (433, 16939), (461, 16957), (465, 16963), (476, 16987), (477, 16990),

(500, 17029), (584, 17239), (601, 17278), (608, 17296),

Gene: LilHam_31 Start: 28021, Stop: 28977, Start Num: 85

Candidate Starts for LilHam_31:

(Start: 85 @28021 has 58 MA's), (194, 28207), (197, 28219), (202, 28231), (209, 28246), (213, 28258), (234, 28285), (244, 28300), (255, 28327), (319, 28417), (336, 28453), (367, 28513), (381, 28537), (396, 28549), (438, 28609), (500, 28699), (541, 28789), (552, 28813), (556, 28825), (584, 28891), (591, 28906), (602, 28930), (606, 28942),

Gene: LilHazelnut_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for LilHazelnut_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: LilJank_27 Start: 22752, Stop: 23663, Start Num: 100

Candidate Starts for LilJank_27:

(Start: 89 @22737 has 16 MA's), (Start: 100 @22752 has 6 MA's), (147, 22809), (161, 22839), (197, 22917), (212, 22953), (252, 23028), (268, 23061), (287, 23097), (328, 23178), (329, 23181), (342, 23208), (345, 23214), (361, 23241), (425, 23301), (429, 23307), (505, 23430), (506, 23433), (517, 23454), (532, 23484), (536, 23493), (553, 23532), (554, 23535), (571, 23577), (586, 23592), (590, 23598), (598, 23616), (604, 23631),

Gene: LilPharaoh_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for LilPharaoh_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: LilSpotty_16 Start: 13314, Stop: 14294, Start Num: 72

Candidate Starts for LilSpotty_16:

(Start: 72 @13314 has 35 MA's), (Start: 122 @13371 has 2 MA's), (139, 13392), (161, 13434), (173, 13455), (183, 13479), (Start: 211 @13554 has 1 MA's), (293, 13695), (326, 13740), (335, 13755), (342, 13764), (371, 13815), (394, 13860), (443, 13941), (480, 13974), (500, 14016), (507, 14040), (529, 14073), (540, 14103), (541, 14106), (553, 14133), (556, 14142), (561, 14157), (566, 14166),

Gene: LilTurb_29 Start: 19679, Stop: 20695, Start Num: 106

Candidate Starts for LilTurb_29:

(Start: 106 @19679 has 240 MA's), (161, 19754), (173, 19772), (188, 19808), (199, 19847), (311, 20054), (329, 20093), (331, 20096), (377, 20183), (473, 20363), (521, 20465), (554, 20540), (558, 20552),

Gene: Lilbeanie_29 Start: 23420, Stop: 24433, Start Num: 64

Candidate Starts for Lilbeanie_29:

(Start: 64 @23420 has 1 MA's), (Start: 75 @23426 has 1 MA's), (Start: 109 @23471 has 16 MA's), (132, 23504), (180, 23594), (246, 23729), (254, 23750), (379, 23984), (407, 24020), (434, 24056), (482, 24143), (507, 24206), (514, 24221), (532, 24251), (563, 24332), (569, 24347), (570, 24350), (600, 24422),

Gene: Lilbit_48 Start: 26439, Stop: 27401, Start Num: 103

Candidate Starts for Lilbit_48:

(Start: 103 @26439 has 86 MA's), (183, 26571), (192, 26595), (196, 26604), (198, 26610), (202, 26619), (212, 26643), (214, 26652), (219, 26664), (224, 26676), (280, 26790), (324, 26871), (331, 26886), (335, 26892), (411, 27000), (505, 27126), (507, 27132), (544, 27207), (577, 27282), (581, 27288), (588, 27300), (590, 27303), (621, 27390), (623, 27393), (624, 27396),

Gene: Lilbunny_30 Start: 18958, Stop: 19974, Start Num: 106

Candidate Starts for Lilbunny_30:

(Start: 106 @18958 has 240 MA's), (Start: 122 @18976 has 2 MA's), (147, 19012), (173, 19051), (212, 19156), (311, 19333), (329, 19372), (331, 19375), (377, 19462), (385, 19483), (455, 19609), (495, 19681), (558, 19831), (561, 19840), (600, 19921),

Gene: LilhomieP_26 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for LilhomieP_26:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: Lilleskat_26 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for Lilleskat_26:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: Lillie_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Lillie_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: LindNT_22 Start: 15985, Stop: 17121, Start Num: 31

Candidate Starts for LindNT_22:

(Start: 31 @15985 has 231 MA's), (Start: 67 @16102 has 6 MA's), (140, 16192), (154, 16213), (162, 16234), (178, 16261), (293, 16516), (334, 16597), (372, 16672), (390, 16687), (476, 16798), (500, 16840), (539, 16933), (547, 16957), (584, 17050), (601, 17089), (608, 17107),

Gene: LionsBait_28 Start: 20953, Stop: 21963, Start Num: 106

Candidate Starts for LionsBait_28:

(Start: 106 @20953 has 240 MA's), (147, 21007), (161, 21028), (173, 21046), (199, 21121), (311, 21328), (331, 21370), (401, 21505), (455, 21598), (473, 21631), (521, 21733), (554, 21808), (558, 21820), (600, 21910),

Gene: LitninMcQueen_19 Start: 15502, Stop: 16425, Start Num: 112

Candidate Starts for LitninMcQueen_19:

(Start: 112 @15502 has 15 MA's), (Start: 117 @15505 has 6 MA's), (125, 15517), (139, 15535), (163, 15580), (183, 15619), (197, 15658), (Start: 211 @15691 has 1 MA's), (213, 15697), (252, 15766), (281, 15820), (283, 15823), (286, 15826), (293, 15838), (315, 15856), (317, 15862), (320, 15868), (328, 15886), (360, 15940), (367, 15952), (371, 15958), (388, 15979), (424, 16027), (435, 16045), (438, 16051), (443, 16066), (445, 16069), (539, 16222), (540, 16225), (543, 16231), (558, 16264), (566, 16282), (579, 16315), (603, 16366), (609, 16381), (622, 16417),

Gene: LittleCherry_23 Start: 18649, Stop: 19662, Start Num: 114

Candidate Starts for LittleCherry_23:

(Start: 114 @18649 has 85 MA's), (173, 18745), (186, 18778), (188, 18781), (270, 18955), (304, 19015), (311, 19021), (320, 19039), (331, 19063), (351, 19105), (511, 19417), (558, 19519), (600, 19609),

Gene: LittleLaf_49 Start: 26168, Stop: 27130, Start Num: 103

Candidate Starts for LittleLaf_49:

(Start: 103 @26168 has 86 MA's), (183, 26300), (192, 26324), (196, 26333), (198, 26339), (202, 26348), (212, 26372), (214, 26381), (219, 26393), (224, 26405), (280, 26519), (324, 26600), (331, 26615), (335, 26621), (411, 26729), (505, 26855), (507, 26861), (544, 26936), (577, 27011), (581, 27017), (588, 27029), (590, 27032), (621, 27119), (623, 27122), (624, 27125),

Gene: LiyuLake_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for LiyuLake_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (214, 16700), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: Llorens_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Llorens_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Loadrie_17 Start: 16106, Stop: 17020, Start Num: 103

Candidate Starts for Loadrie_17:

(Start: 103 @16106 has 86 MA's), (125, 16130), (147, 16160), (206, 16286), (246, 16358), (328, 16511), (329, 16514), (331, 16517), (345, 16547), (398, 16604), (411, 16628), (425, 16634), (486, 16703), (495, 16721), (502, 16742), (527, 16796), (532, 16808), (558, 16871), (614, 17000), (619, 17012),

Gene: Lokk_30 Start: 20830, Stop: 21840, Start Num: 106

Candidate Starts for Lokk_30:

(Start: 106 @20830 has 240 MA's), (173, 20923), (188, 20959), (199, 20998), (311, 21205), (329, 21244), (331, 21247), (353, 21292), (455, 21475), (473, 21508), (521, 21610), (554, 21685), (558, 21697), (600, 21787),

Gene: Lollipop1437_45 Start: 30536, Stop: 31453, Start Num: 87

Candidate Starts for Lollipop1437_45:

(Start: 87 @30536 has 26 MA's), (150, 30614), (188, 30689), (240, 30797), (278, 30881), (398, 31061), (401, 31067), (535, 31283), (558, 31322), (592, 31397), (600, 31418), (608, 31439),

Gene: Lolly9_18 Start: 16308, Stop: 17198, Start Num: 103

Candidate Starts for Lolly9_18:

(Start: 103 @16308 has 86 MA's), (125, 16332), (155, 16377), (161, 16392), (174, 16413), (212, 16509), (287, 16644), (292, 16653), (329, 16713), (331, 16716), (335, 16722), (376, 16794), (411, 16827), (429, 16839), (486, 16902), (505, 16953), (517, 16977), (540, 17028), (558, 17070), (614, 17181), (615, 17184),

Gene: LoneWolf_28 Start: 20332, Stop: 21345, Start Num: 105

Candidate Starts for LoneWolf_28:

(Start: 105 @20332 has 1 MA's), (Start: 122 @20350 has 2 MA's), (140, 20377), (161, 20407), (173, 20425), (188, 20461), (207, 20515), (270, 20641), (287, 20677), (311, 20707), (331, 20749), (415,

20908), (455, 20980), (495, 21052), (554, 21190), (558, 21202), (561, 21211), (568, 21226),

Gene: LongHai_21 Start: 15192, Stop: 16304, Start Num: 34

Candidate Starts for LongHai_21:

(Start: 34 @15192 has 4 MA's), (42, 15240), (116, 15348), (121, 15357), (163, 15426), (179, 15453), (236, 15600), (295, 15708), (333, 15783), (336, 15792), (353, 15828), (404, 15897), (433, 15939), (476, 15984), (480, 15993), (508, 16050), (534, 16101), (554, 16161), (599, 16266),

Gene: Looper_30 Start: 18119, Stop: 19096, Start Num: 110

Candidate Starts for Looper_30:

(Start: 110 @18119 has 84 MA's), (183, 18233), (186, 18239), (188, 18242), (297, 18476), (452, 18743), (493, 18797), (558, 18953),

Gene: Loser_30 Start: 20932, Stop: 21945, Start Num: 106

Candidate Starts for Loser_30:

(Start: 106 @20932 has 240 MA's), (Start: 122 @20950 has 2 MA's), (161, 21007), (173, 21025), (188, 21061), (199, 21100), (311, 21307), (329, 21346), (331, 21349), (353, 21394), (407, 21499), (455, 21580), (473, 21613), (511, 21700), (558, 21802), (561, 21811),

Gene: LouisV14_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for LouisV14_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Love_37 Start: 30788, Stop: 31744, Start Num: 85

Candidate Starts for Love_37:

(Start: 85 @30788 has 58 MA's), (194, 30974), (197, 30986), (209, 31013), (215, 31034), (255, 31094), (317, 31181), (319, 31184), (336, 31220), (352, 31253), (360, 31268), (367, 31280), (392, 31310), (396, 31316), (438, 31376), (500, 31466), (523, 31517), (541, 31556), (552, 31580), (556, 31592), (584, 31658), (602, 31697), (606, 31709), (617, 31739),

Gene: Lozinak_47 Start: 28712, Stop: 29593, Start Num: 76

Candidate Starts for Lozinak_47:

(Start: 70 @28706 has 25 MA's), (Start: 76 @28712 has 13 MA's), (119, 28760), (140, 28787), (179, 28859), (205, 28925), (214, 28955), (279, 29063), (333, 29156), (343, 29180), (350, 29195), (433, 29291), (476, 29339), (558, 29519), (571, 29555),

Gene: Luchador_28 Start: 19388, Stop: 20410, Start Num: 106

Candidate Starts for Luchador_28:

(Start: 106 @19388 has 240 MA's), (Start: 122 @19406 has 2 MA's), (147, 19442), (161, 19463), (173, 19481), (212, 19586), (216, 19601), (287, 19733), (304, 19757), (311, 19763), (329, 19802), (331, 19805), (353, 19850), (401, 19943), (445, 20015), (466, 20051), (467, 20057), (495, 20117), (558, 20267), (568, 20291),

Gene: Lucivia_27 Start: 19785, Stop: 20807, Start Num: 106

Candidate Starts for Lucivia_27:

(Start: 106 @19785 has 240 MA's), (147, 19842), (183, 19917), (242, 20046), (270, 20106), (304, 20166), (311, 20172), (331, 20214), (353, 20259), (355, 20265), (401, 20349), (426, 20382), (558, 20664), (561, 20673), (568, 20688), (600, 20754),

Gene: Lucyedi_28 Start: 19862, Stop: 20878, Start Num: 106

Candidate Starts for Lucyedi_28:

(Start: 106 @19862 has 240 MA's), (Start: 122 @19880 has 2 MA's), (173, 19955), (199, 20030), (233, 20093), (311, 20237), (329, 20276), (331, 20279), (377, 20366), (505, 20618), (511, 20633), (531, 20669), (558, 20735), (566, 20753), (568, 20759),

Gene: Luke_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Luke_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Lumos_18 Start: 16487, Stop: 17377, Start Num: 103

Candidate Starts for Lumos_18:

(Start: 103 @16487 has 86 MA's), (125, 16511), (155, 16556), (161, 16571), (174, 16592), (212, 16688), (287, 16823), (292, 16832), (329, 16892), (331, 16895), (335, 16901), (376, 16973), (411, 17006), (429, 17018), (486, 17081), (506, 17135), (517, 17156), (540, 17207), (558, 17249), (614, 17360), (615, 17363),

Gene: Luna22_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Luna22_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Lunahalos_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Lunahalos_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Lutum_19 Start: 15511, Stop: 16431, Start Num: 117

Candidate Starts for Lutum_19:

(Start: 112 @15508 has 15 MA's), (Start: 117 @15511 has 6 MA's), (125, 15523), (139, 15541), (163, 15586), (183, 15625), (197, 15664), (Start: 211 @15697 has 1 MA's), (213, 15703), (252, 15772), (281, 15826), (283, 15829), (286, 15832), (293, 15844), (315, 15862), (317, 15868), (320, 15874), (328, 15892), (360, 15946), (367, 15958), (371, 15964), (388, 15985), (424, 16033), (435, 16051), (438, 16057), (443, 16072), (445, 16075), (539, 16228), (540, 16231), (543, 16237), (558, 16270), (566, 16288), (579, 16321), (603, 16372), (609, 16387), (622, 16423),

Gene: Lynnae_17 Start: 16062, Stop: 16976, Start Num: 103

Candidate Starts for Lynnae_17:

(Start: 103 @16062 has 86 MA's), (125, 16086), (147, 16116), (206, 16242), (246, 16314), (328, 16467), (329, 16470), (331, 16473), (345, 16503), (398, 16560), (411, 16584), (425, 16590), (486, 16659), (495, 16677), (502, 16698), (527, 16752), (532, 16764), (558, 16827), (614, 16956), (619, 16968),

Gene: Lysidious_19 Start: 16311, Stop: 17177, Start Num: 67

Candidate Starts for Lysidious_19:

(Start: 67 @16311 has 6 MA's), (Start: 73 @16317 has 29 MA's), (183, 16473), (213, 16554), (248, 16611), (253, 16620), (275, 16653), (334, 16761), (398, 16845), (461, 16911), (465, 16917), (538, 17046), (553, 17088),

Gene: MAckerman_17 Start: 15865, Stop: 16746, Start Num: 103

Candidate Starts for MAckerman_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: MAnor_17 Start: 14472, Stop: 15428, Start Num: 110

Candidate Starts for MAnor_17:

(Start: 110 @14472 has 84 MA's), (143, 14517), (202, 14655), (213, 14682), (247, 14733), (249, 14736), (252, 14742), (254, 14745), (291, 14814), (320, 14859), (331, 14883), (342, 14898), (371, 14949), (438, 15045), (539, 15228), (540, 15231), (553, 15261), (556, 15270), (579, 15327), (603, 15378), (616, 15414), (618, 15420),

Gene: MEAK_15 Start: 11282, Stop: 12229, Start Num: 83

Candidate Starts for MEAK_15:

(Start: 79 @11273 has 1 MA's), (81, 11276), (Start: 83 @11282 has 44 MA's), (Start: 110 @11315 has 84 MA's), (126, 11333), (129, 11336), (135, 11342), (149, 11366), (154, 11375), (166, 11405), (168, 11408), (170, 11411), (177, 11432), (194, 11477), (206, 11507), (Start: 211 @11522 has 1 MA's), (214, 11534), (215, 11537), (216, 11540), (242, 11588), (249, 11606), (267, 11642), (270, 11648), (280, 11675), (294, 11699), (319, 11726), (331, 11753), (335, 11759), (367, 11822), (375, 11834), (406, 11876), (408, 11879), (410, 11882), (432, 11915), (441, 11933), (447, 11948), (458, 11969), (479, 11984), (489, 11999), (492, 12005), (521, 12077), (522, 12080), (531, 12098), (532, 12101), (536, 12110), (554, 12158), (558, 12170), (561, 12179), (567, 12194), (569, 12200), (574, 12215),

Gene: MOOREtheMARYer_17 Start: 15720, Stop: 16898, Start Num: 31

Candidate Starts for MOOREtheMARYer_17:

(Start: 25 @15684 has 1 MA's), (Start: 31 @15720 has 231 MA's), (Start: 84 @15864 has 6 MA's), (124, 15915), (162, 15981), (163, 15984), (180, 16014), (208, 16086), (236, 16155), (240, 16161), (314, 16296), (338, 16350), (368, 16410), (445, 16518), (461, 16545), (476, 16575), (500, 16617), (542, 16719), (567, 16791), (568, 16794), (575, 16812), (599, 16860),

Gene: MScarn_19 Start: 14397, Stop: 15368, Start Num: 110

Candidate Starts for MScarn_19:

(Start: 110 @14397 has 84 MA's), (143, 14442), (155, 14463), (183, 14526), (192, 14550), (202, 14580), (247, 14658), (252, 14667), (254, 14670), (288, 14736), (320, 14784), (344, 14826), (371, 14874), (402, 14925), (438, 14985), (443, 15000), (445, 15003), (457, 15027), (504, 15099), (511, 15117), (539, 15168), (540, 15171), (553, 15201), (556, 15210), (561, 15225), (587, 15282), (608, 15330), (616, 15354), (618, 15360),

Gene: MZKinsey_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for MZKinsey_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: MaCh_27 Start: 19727, Stop: 20749, Start Num: 106

Candidate Starts for MaCh_27:

(Start: 106 @19727 has 240 MA's), (147, 19784), (183, 19859), (242, 19988), (270, 20048), (304, 20108), (311, 20114), (331, 20156), (353, 20201), (355, 20207), (401, 20291), (426, 20324), (558, 20606), (561, 20615), (568, 20630), (600, 20696),

Gene: MaVan_19 Start: 15745, Stop: 16710, Start Num: 110

Candidate Starts for MaVan_19:

(Start: 110 @15745 has 84 MA's), (143, 15790), (161, 15826), (173, 15847), (183, 15874), (202, 15928), (247, 16009), (252, 16018), (254, 16021), (288, 16090), (320, 16138), (371, 16228), (381, 16243), (412, 16282), (504, 16438), (539, 16504), (540, 16507), (541, 16510), (553, 16537), (556, 16546), (566, 16570), (579, 16603), (589, 16621), (605, 16666), (616, 16696), (618, 16702),

Gene: Mabel_27 Start: 19788, Stop: 20810, Start Num: 106

Candidate Starts for Mabel_27:

(Start: 106 @19788 has 240 MA's), (147, 19845), (183, 19920), (242, 20049), (270, 20109), (304, 20169), (311, 20175), (331, 20217), (353, 20262), (355, 20268), (401, 20352), (426, 20385), (558, 20667), (561, 20676), (568, 20691), (600, 20757),

Gene: MacGully_49 Start: 30719, Stop: 31612, Start Num: 122

Candidate Starts for MacGully_49:

(Start: 56 @30635 has 23 MA's), (Start: 84 @30683 has 6 MA's), (Start: 122 @30719 has 2 MA's), (123, 30722), (206, 30890), (208, 30896), (271, 31013), (278, 31031), (287, 31046), (331, 31121), (361, 31181), (398, 31220), (401, 31226), (500, 31364), (527, 31424), (540, 31457), (558, 31481), (587, 31544), (600, 31577), (602, 31583),

Gene: MacKat_22 Start: 16028, Stop: 17164, Start Num: 31

Candidate Starts for MacKat_22:

(Start: 31 @16028 has 231 MA's), (Start: 67 @16145 has 6 MA's), (140, 16235), (154, 16256), (162, 16277), (178, 16304), (293, 16559), (334, 16640), (372, 16715), (390, 16730), (476, 16841), (500, 16883), (539, 16976), (547, 17000), (584, 17093), (601, 17132), (608, 17150),

Gene: MacnCheese_22 Start: 16685, Stop: 17821, Start Num: 31

Candidate Starts for MacnCheese_22:

(Start: 31 @16685 has 231 MA's), (Start: 67 @16808 has 6 MA's), (121, 16871), (124, 16877), (140, 16898), (147, 16907), (162, 16940), (208, 17045), (214, 17066), (261, 17168), (278, 17198), (293, 17222), (307, 17243), (328, 17285), (342, 17321), (461, 17468), (476, 17498), (480, 17507), (500, 17540), (501, 17543), (502, 17546), (539, 17633), (552, 17672), (569, 17720), (597, 17777), (599, 17783), (601, 17789),

Gene: Maco6_18 Start: 14149, Stop: 15261, Start Num: 34

Candidate Starts for Maco6_18:

(Start: 34 @14149 has 4 MA's), (42, 14197), (116, 14305), (121, 14314), (163, 14383), (172, 14395), (179, 14410), (236, 14557), (295, 14665), (333, 14740), (336, 14749), (353, 14785), (404, 14854), (433, 14896), (476, 14941), (480, 14950), (508, 15007), (552, 15112), (599, 15223),

Gene: MagicMan_18 Start: 16039, Stop: 16965, Start Num: 106

Candidate Starts for MagicMan_18:

(39, 15904), (40, 15907), (86, 16021), (Start: 106 @16039 has 240 MA's), (Start: 117 @16048 has 6 MA's), (147, 16090), (Start: 151 @16102 has 1 MA's), (259, 16324), (283, 16369), (299, 16393), (313, 16399), (317, 16408), (320, 16414), (335, 16444), (353, 16474), (371, 16504), (375, 16510), (421, 16570), (424, 16573), (438, 16597), (486, 16654), (496, 16675), (527, 16741), (558, 16810), (616, 16948),

Gene: Mahdia_17 Start: 13987, Stop: 14814, Start Num: 109

Candidate Starts for Mahdia_17:

(Start: 109 @13987 has 16 MA's), (140, 14032), (155, 14056), (181, 14119), (235, 14236), (264, 14290), (325, 14383), (331, 14395), (372, 14464), (411, 14497), (498, 14572), (532, 14620), (538, 14635), (544, 14647), (554, 14671), (555, 14674), (561, 14692), (562, 14695), (605, 14782), (611, 14797),

Gene: MajorMajor_26 Start: 18067, Stop: 19077, Start Num: 106

Candidate Starts for MajorMajor_26:

(Start: 106 @18067 has 240 MA's), (147, 18121), (161, 18142), (173, 18160), (199, 18235), (311, 18442), (329, 18481), (331, 18484), (353, 18529), (455, 18712), (473, 18745), (521, 18847), (558, 18934), (600, 19024),

Gene: MakCheese_19 Start: 15000, Stop: 16061, Start Num: 61

Candidate Starts for MakCheese_19:

(Start: 57 @14991 has 2 MA's), (61, 15000), (140, 15093), (162, 15135), (188, 15183), (251, 15351), (263, 15375), (266, 15381), (304, 15453), (308, 15462), (310, 15465), (316, 15474), (401, 15615), (417, 15642), (444, 15684), (471, 15732), (554, 15924), (555, 15927), (567, 15957), (581, 15987), (584, 15993), (600, 16029), (601, 16032),

Gene: Malachai_19 Start: 16271, Stop: 17131, Start Num: 73

Candidate Starts for Malachai_19:

(Start: 67 @16265 has 6 MA's), (Start: 73 @16271 has 29 MA's), (183, 16427), (213, 16508), (275, 16607), (334, 16715), (398, 16799), (465, 16871), (538, 17000), (553, 17042),

Gene: MalagasyRose_23 Start: 15476, Stop: 16555, Start Num: 50

Candidate Starts for MalagasyRose_23:

(Start: 50 @15476 has 6 MA's), (Start: 70 @15518 has 25 MA's), (90, 15542), (121, 15581), (163, 15650), (178, 15674), (180, 15680), (195, 15719), (215, 15776), (231, 15803), (232, 15809), (244, 15830), (246, 15833), (271, 15881), (278, 15899), (293, 15923), (296, 15926), (328, 15989), (333, 16001), (336, 16010), (339, 16016), (351, 16043), (353, 16046), (387, 16091), (414, 16133), (461, 16187), (469, 16205), (510, 16307), (522, 16328), (534, 16352), (568, 16454), (575, 16472), (584, 16487), (600, 16523),

Gene: Malec_28 Start: 19460, Stop: 20476, Start Num: 106

Candidate Starts for Malec_28:

(Start: 106 @19460 has 240 MA's), (161, 19535), (173, 19553), (188, 19589), (199, 19628), (270, 19769), (311, 19835), (329, 19874), (331, 19877), (455, 20111), (531, 20267), (558, 20333), (568, 20357),

Gene: Malibo_19 Start: 15676, Stop: 16518, Start Num: 109

Candidate Starts for Malibo_19:

(Start: 109 @15676 has 16 MA's), (155, 15745), (163, 15766), (179, 15802), (191, 15829), (194, 15841), (Start: 211 @15886 has 1 MA's), (235, 15925), (265, 15979), (289, 16024), (315, 16048), (366, 16153), (398, 16177), (425, 16207), (429, 16213), (488, 16255), (501, 16282), (505, 16288), (561, 16396), (580, 16438), (583, 16444), (590, 16456), (609, 16498),

Gene: Maliketh_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Maliketh_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599,

16611),

Gene: Malisha_20 Start: 17283, Stop: 18203, Start Num: 117

Candidate Starts for Malisha_20:

(Start: 112 @17280 has 15 MA's), (Start: 117 @17283 has 6 MA's), (125, 17295), (139, 17313), (163, 17358), (173, 17373), (178, 17385), (183, 17397), (197, 17436), (Start: 211 @17469 has 1 MA's), (252, 17544), (281, 17598), (283, 17601), (286, 17604), (293, 17616), (315, 17634), (317, 17640), (320, 17646), (360, 17718), (367, 17730), (371, 17736), (388, 17757), (424, 17805), (438, 17829), (443, 17844), (445, 17847), (494, 17901), (539, 18000), (540, 18003), (543, 18009), (558, 18042), (564, 18057), (566, 18060), (581, 18096), (603, 18144),

Gene: Malthus_24 Start: 17413, Stop: 18546, Start Num: 31

Candidate Starts for Malthus_24:

(Start: 31 @17413 has 231 MA's), (38, 17431), (54, 17503), (Start: 67 @17533 has 6 MA's), (140, 17623), (162, 17665), (177, 17689), (215, 17794), (331, 18016), (333, 18022), (431, 18172), (433, 18175), (461, 18193), (476, 18223), (500, 18265), (501, 18268), (522, 18319), (575, 18460), (584, 18475), (601, 18514), (608, 18532),

Gene: Malvina_19 Start: 15630, Stop: 16595, Start Num: 110

Candidate Starts for Malvina_19:

(58, 15555), (Start: 110 @15630 has 84 MA's), (143, 15675), (173, 15732), (183, 15759), (202, 15813), (247, 15894), (252, 15903), (254, 15906), (281, 15963), (320, 16023), (328, 16041), (371, 16113), (381, 16128), (419, 16179), (421, 16182), (496, 16296), (504, 16323), (532, 16374), (540, 16392), (541, 16395), (553, 16422), (556, 16431), (566, 16455), (579, 16488), (589, 16506), (605, 16551), (616, 16581),

Gene: Maminiaina_28 Start: 20271, Stop: 21293, Start Num: 106

Candidate Starts for Maminiaina_28:

(Start: 106 @20271 has 240 MA's), (Start: 122 @20289 has 2 MA's), (161, 20346), (173, 20364), (188, 20400), (270, 20580), (287, 20616), (311, 20646), (331, 20688), (415, 20847), (466, 20934), (475, 20961), (558, 21150), (568, 21174),

Gene: Manilisa_22 Start: 18190, Stop: 19050, Start Num: 73

Candidate Starts for Manilisa_22:

(Start: 73 @18190 has 29 MA's), (Start: 83 @18196 has 44 MA's), (Start: 112 @18232 has 15 MA's), (Start: 118 @18235 has 5 MA's), (203, 18403), (209, 18418), (213, 18430), (273, 18526), (275, 18529), (277, 18538), (285, 18550), (293, 18565), (361, 18694), (474, 18814), (494, 18835), (501, 18856), (510, 18886), (554, 18976),

Gene: Marcoliusprime_18 Start: 13889, Stop: 15016, Start Num: 33

Candidate Starts for Marcoliusprime_18:

(Start: 33 @13889 has 11 MA's), (38, 13898), (Start: 67 @14000 has 6 MA's), (140, 14090), (162, 14132), (163, 14135), (178, 14159), (214, 14258), (244, 14321), (261, 14360), (293, 14414), (328, 14480), (333, 14492), (355, 14543), (370, 14567), (433, 14645), (461, 14663), (476, 14693), (480, 14702), (500, 14735), (501, 14738), (547, 14852), (575, 14930), (584, 14945), (601, 14984), (608, 15002),

Gene: Mareelih_98 Start: 58510, Stop: 59445, Start Num: 84

Candidate Starts for Mareelih_98:

(Start: 84 @58510 has 6 MA's), (Start: 97 @58525 has 2 MA's), (Start: 103 @58531 has 86 MA's), (Start: 109 @58537 has 16 MA's), (177, 58654), (178, 58657), (196, 58708), (210, 58744), (282, 58879), (313, 58915), (326, 58945), (480, 59197), (502, 59242), (512, 59272), (516, 59278), (532, 59305), (547, 59344), (573, 59413),

Gene: Margaret_20 Start: 14513, Stop: 15472, Start Num: 110

Candidate Starts for Margaret_20:

(58, 14438), (Start: 110 @14513 has 84 MA's), (125, 14534), (145, 14561), (147, 14564), (252, 14783), (281, 14840), (319, 14897), (320, 14900), (371, 14990), (416, 15059), (438, 15092), (530, 15251), (539, 15272), (540, 15275), (553, 15305), (556, 15314), (558, 15320), (566, 15338), (579, 15371), (584, 15380), (587, 15386), (609, 15437), (616, 15458), (618, 15464),

Gene: Marietta_42 Start: 26965, Stop: 27885, Start Num: 92

Candidate Starts for Marietta_42:

(Start: 92 @26965 has 11 MA's), (150, 27046), (174, 27091), (199, 27160), (267, 27286), (287, 27328), (336, 27412), (361, 27463), (401, 27496), (455, 27586), (527, 27694), (535, 27712), (558, 27754), (598, 27844), (600, 27850), (608, 27871),

Gene: MarkPhew_22 Start: 15151, Stop: 16287, Start Num: 31

Candidate Starts for MarkPhew_22:

(Start: 31 @15151 has 231 MA's), (Start: 67 @15268 has 6 MA's), (Start: 84 @15286 has 6 MA's), (140, 15358), (154, 15379), (178, 15427), (215, 15529), (216, 15532), (261, 15628), (319, 15727), (328, 15748), (370, 15835), (390, 15853), (433, 15916), (500, 16006), (501, 16009), (539, 16099), (584, 16216), (597, 16243), (601, 16255), (608, 16273),

Gene: Marmie_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Marmie_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Marshawn_23 Start: 15766, Stop: 16905, Start Num: 31

Candidate Starts for Marshawn_23:

(28, 15754), (Start: 31 @15766 has 231 MA's), (Start: 67 @15886 has 6 MA's), (140, 15976), (178, 16045), (261, 16246), (293, 16300), (328, 16366), (333, 16378), (355, 16429), (465, 16558), (476, 16582), (500, 16624), (501, 16627), (502, 16630), (522, 16678), (539, 16717), (597, 16861), (601, 16873), (608, 16891),

Gene: Marvin_47 Start: 26438, Stop: 27400, Start Num: 103

Candidate Starts for Marvin_47:

(Start: 103 @26438 has 86 MA's), (183, 26570), (192, 26594), (196, 26603), (198, 26609), (202, 26618), (212, 26642), (214, 26651), (219, 26663), (280, 26789), (324, 26870), (331, 26885), (335, 26891), (411, 26999), (505, 27125), (507, 27131), (577, 27281), (581, 27287), (588, 27299), (590, 27302), (621, 27389), (623, 27392), (624, 27395),

Gene: MarysWell_22 Start: 18617, Stop: 19630, Start Num: 114

Candidate Starts for MarysWell_22:

(Start: 114 @18617 has 85 MA's), (173, 18713), (186, 18746), (188, 18749), (199, 18788), (270, 18923), (304, 18983), (311, 18989), (320, 19007), (331, 19031), (351, 19073), (511, 19385), (558, 19487), (569, 19514), (600, 19577),

Gene: Maselop_44 Start: 30439, Stop: 31365, Start Num: 85

Candidate Starts for Maselop_44:

(Start: 85 @30439 has 58 MA's), (Start: 122 @30475 has 2 MA's), (188, 30592), (199, 30631), (208, 30649), (240, 30700), (287, 30799), (331, 30874), (336, 30883), (377, 30958), (401, 30979), (500,

31117), (513, 31153), (534, 31192), (558, 31234), (587, 31297), (600, 31330),

Gene: Mayweather_18 Start: 15087, Stop: 16043, Start Num: 110

Candidate Starts for Mayweather_18:

(Start: 110 @15087 has 84 MA's), (143, 15132), (183, 15216), (202, 15270), (213, 15297), (247, 15348), (249, 15351), (252, 15357), (254, 15360), (291, 15429), (320, 15474), (331, 15498), (371, 15564), (438, 15660), (539, 15843), (540, 15846), (553, 15876), (556, 15885), (579, 15942), (603, 15993), (616, 16029), (618, 16035),

Gene: McCrothy_34 Start: 30596, Stop: 31552, Start Num: 85

Candidate Starts for McCrothy_34:

(Start: 85 @30596 has 58 MA's), (194, 30782), (197, 30794), (209, 30821), (215, 30842), (255, 30902), (317, 30989), (319, 30992), (336, 31028), (352, 31061), (360, 31076), (367, 31088), (392, 31118), (396, 31124), (438, 31184), (500, 31274), (523, 31325), (541, 31364), (552, 31388), (556, 31400), (584, 31466), (602, 31505), (606, 31517), (617, 31547),

Gene: McDazzle_16 Start: 14934, Stop: 15890, Start Num: 110

Candidate Starts for McDazzle_16:

(Start: 110 @14934 has 84 MA's), (143, 14979), (183, 15063), (202, 15117), (213, 15144), (247, 15195), (249, 15198), (252, 15204), (254, 15207), (281, 15261), (291, 15276), (319, 15318), (320, 15321), (331, 15345), (371, 15411), (438, 15507), (539, 15690), (540, 15693), (553, 15723), (556, 15732), (579, 15789), (603, 15840), (616, 15876), (618, 15882),

Gene: McFly_30 Start: 18966, Stop: 19979, Start Num: 106

Candidate Starts for McFly_30:

(Start: 106 @18966 has 240 MA's), (147, 19020), (173, 19059), (212, 19164), (287, 19311), (311, 19341), (329, 19380), (331, 19383), (353, 19428), (385, 19488), (495, 19686), (558, 19836), (561, 19845),

Gene: McKinley_36 Start: 30814, Stop: 31770, Start Num: 85

Candidate Starts for McKinley_36:

(Start: 85 @30814 has 58 MA's), (194, 31000), (197, 31012), (209, 31039), (215, 31060), (255, 31120), (317, 31207), (319, 31210), (336, 31246), (352, 31279), (360, 31294), (367, 31306), (392, 31336), (396, 31342), (438, 31402), (500, 31492), (541, 31582), (552, 31606), (556, 31618), (584, 31684), (602, 31723), (606, 31735),

Gene: McMater_22 Start: 15375, Stop: 16514, Start Num: 31

Candidate Starts for McMater_22:

(Start: 31 @15375 has 231 MA's), (Start: 67 @15495 has 6 MA's), (140, 15585), (178, 15654), (214, 15753), (215, 15756), (261, 15855), (293, 15909), (334, 15990), (372, 16065), (390, 16080), (465, 16167), (476, 16191), (500, 16233), (501, 16236), (522, 16287), (539, 16326), (568, 16410), (575, 16428), (584, 16443), (601, 16482), (608, 16500),

Gene: Mdavu_18 Start: 15542, Stop: 16684, Start Num: 31

Candidate Starts for Mdavu_18:

(Start: 31 @15542 has 231 MA's), (Start: 67 @15665 has 6 MA's), (140, 15755), (178, 15824), (214, 15923), (215, 15926), (261, 16025), (334, 16160), (476, 16361), (500, 16403), (501, 16406), (539, 16496), (547, 16520), (584, 16613), (601, 16652), (608, 16670),

Gene: MeaningOfLife_22 Start: 15987, Stop: 17123, Start Num: 31

Candidate Starts for MeaningOfLife_22:

(Start: 31 @15987 has 231 MA's), (Start: 67 @16104 has 6 MA's), (140, 16194), (154, 16215), (162, 16236), (178, 16263), (293, 16518), (334, 16599), (372, 16674), (390, 16689), (476, 16800), (480,

16809), (500, 16842), (539, 16935), (547, 16959), (584, 17052), (601, 17091), (608, 17109),

Gene: MegTheThird_26 Start: 18672, Stop: 19694, Start Num: 106

Candidate Starts for MegTheThird_26:

(Start: 106 @18672 has 240 MA's), (161, 18747), (173, 18765), (188, 18801), (242, 18921), (270, 18981), (287, 19017), (311, 19047), (331, 19089), (407, 19239), (442, 19290), (466, 19335), (467, 19341), (495, 19401), (506, 19437), (558, 19551),

Gene: Megsy_22 Start: 15988, Stop: 17124, Start Num: 31

Candidate Starts for Megsy_22:

(Start: 31 @15988 has 231 MA's), (Start: 67 @16105 has 6 MA's), (140, 16195), (154, 16216), (162, 16237), (178, 16264), (293, 16519), (334, 16600), (372, 16675), (390, 16690), (476, 16801), (500, 16843), (539, 16936), (543, 16948), (547, 16960), (584, 17053), (601, 17092), (608, 17110),

Gene: MelBins_33 Start: 28300, Stop: 29286, Start Num: 72

Candidate Starts for MelBins_33:

(Start: 72 @28300 has 35 MA's), (161, 28423), (180, 28459), (202, 28519), (254, 28615), (317, 28726), (326, 28747), (379, 28849), (407, 28885), (478, 28993), (530, 29101), (532, 29107), (538, 29122), (543, 29137), (556, 29173), (569, 29206), (570, 29209), (600, 29275),

Gene: Melba_18 Start: 15787, Stop: 16653, Start Num: 67

Candidate Starts for Melba_18:

(Start: 67 @15787 has 6 MA's), (Start: 73 @15793 has 29 MA's), (183, 15949), (213, 16030), (275, 16129), (334, 16237), (398, 16321), (465, 16393), (538, 16522), (547, 16549), (553, 16564),

Gene: Mellie_17 Start: 15554, Stop: 16414, Start Num: 73

Candidate Starts for Mellie_17:

(Start: 67 @15548 has 6 MA's), (Start: 73 @15554 has 29 MA's), (183, 15710), (213, 15791), (275, 15890), (334, 15998), (398, 16082), (461, 16148), (494, 16193), (538, 16283), (553, 16325),

Gene: Mendokysei_17 Start: 15828, Stop: 16793, Start Num: 93

Candidate Starts for Mendokysei_17:

(Start: 93 @15828 has 8 MA's), (120, 15855), (130, 15873), (217, 16053), (254, 16128), (300, 16221), (329, 16278), (335, 16287), (398, 16371), (519, 16548), (526, 16563), (540, 16596), (561, 16647), (578, 16689), (597, 16728), (601, 16737),

Gene: MerCougar_41 Start: 29816, Stop: 30739, Start Num: 87

Candidate Starts for MerCougar_41:

(Start: 87 @29816 has 26 MA's), (150, 29903), (169, 29939), (188, 29978), (398, 30347), (500, 30491), (558, 30608), (600, 30704), (602, 30710), (608, 30725),

Gene: Mercurio_18 Start: 15481, Stop: 16668, Start Num: 31

Candidate Starts for Mercurio_18:

(Start: 31 @15481 has 231 MA's), (Start: 84 @15628 has 6 MA's), (121, 15673), (124, 15679), (177, 15769), (207, 15847), (208, 15850), (214, 15871), (215, 15874), (237, 15925), (240, 15931), (261, 15976), (338, 16120), (351, 16150), (370, 16183), (443, 16285), (465, 16321), (476, 16345), (502, 16393), (542, 16489), (568, 16564), (584, 16597), (599, 16630), (601, 16636),

Gene: Meyran_20 Start: 18053, Stop: 18913, Start Num: 73

Candidate Starts for Meyran_20:

(Start: 73 @18053 has 29 MA's), (Start: 83 @18059 has 44 MA's), (Start: 112 @18095 has 15 MA's), (Start: 118 @18098 has 5 MA's), (203, 18266), (209, 18281), (213, 18293), (273, 18389), (275, 18392), (277, 18401), (285, 18413), (293, 18428), (361, 18557), (474, 18677), (494, 18698), (501, 18719),

(510, 18749), (554, 18839),

Gene: Micasa_23 Start: 18623, Stop: 19636, Start Num: 114

Candidate Starts for Micasa_23:

(Start: 114 @18623 has 85 MA's), (173, 18719), (186, 18752), (188, 18755), (199, 18794), (270, 18929), (304, 18989), (311, 18995), (320, 19013), (331, 19037), (351, 19079), (511, 19391), (558, 19493), (600, 19583),

Gene: MiculUcigas_27 Start: 19200, Stop: 20216, Start Num: 106

Candidate Starts for MiculUcigas_27:

(Start: 106 @19200 has 240 MA's), (161, 19275), (173, 19293), (188, 19329), (199, 19368), (287, 19545), (311, 19575), (329, 19614), (331, 19617), (558, 20073), (568, 20097),

Gene: MicyPS_16 Start: 16526, Stop: 17407, Start Num: 97

Candidate Starts for MicyPS_16:

(Start: 97 @16526 has 2 MA's), (159, 16607), (212, 16739), (251, 16817), (258, 16829), (270, 16853), (320, 16934), (321, 16937), (335, 16964), (357, 17012), (374, 17033), (401, 17051), (425, 17075), (429, 17081), (503, 17168), (513, 17195), (568, 17315), (598, 17363), (601, 17369),

Gene: Midas2_23 Start: 18617, Stop: 19630, Start Num: 114

Candidate Starts for Midas2_23:

(Start: 114 @18617 has 85 MA's), (173, 18713), (186, 18746), (188, 18749), (199, 18788), (270, 18923), (304, 18983), (311, 18989), (320, 19007), (331, 19031), (351, 19073), (511, 19385), (558, 19487), (569, 19514), (600, 19577),

Gene: Miko_30 Start: 20800, Stop: 21810, Start Num: 106

Candidate Starts for Miko_30:

(Start: 106 @20800 has 240 MA's), (173, 20893), (188, 20929), (199, 20968), (311, 21175), (329, 21214), (331, 21217), (353, 21262), (455, 21445), (473, 21478), (521, 21580), (554, 21655), (558, 21667), (600, 21757),

Gene: Milcery_23 Start: 18653, Stop: 19666, Start Num: 114

Candidate Starts for Milcery_23:

(Start: 114 @18653 has 85 MA's), (173, 18749), (186, 18782), (188, 18785), (199, 18824), (270, 18959), (304, 19019), (311, 19025), (320, 19043), (331, 19067), (351, 19109), (511, 19421), (558, 19523), (600, 19613),

Gene: Miley16_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Miley16_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Milly_18 Start: 13889, Stop: 15016, Start Num: 33

Candidate Starts for Milly_18:

(Start: 33 @13889 has 11 MA's), (38, 13898), (Start: 67 @14000 has 6 MA's), (140, 14090), (162, 14132), (163, 14135), (178, 14159), (214, 14258), (244, 14321), (261, 14360), (293, 14414), (328, 14480), (333, 14492), (355, 14543), (370, 14567), (433, 14645), (461, 14663), (476, 14693), (480, 14702), (500, 14735), (501, 14738), (547, 14852), (575, 14930), (584, 14945), (601, 14984), (608, 15002),

Gene: MinecraftSteve_30 Start: 18241, Stop: 19218, Start Num: 110

Candidate Starts for MinecraftSteve_30:

(Start: 110 @18241 has 84 MA's), (183, 18355), (186, 18361), (188, 18364), (297, 18598), (452, 18865), (493, 18919), (558, 19075),

Gene: MiniLon_18 Start: 16308, Stop: 17198, Start Num: 103

Candidate Starts for MiniLon_18:

(Start: 103 @16308 has 86 MA's), (125, 16332), (155, 16377), (161, 16392), (174, 16413), (212, 16509), (287, 16644), (292, 16653), (329, 16713), (331, 16716), (335, 16722), (376, 16794), (411, 16827), (429, 16839), (486, 16902), (505, 16953), (517, 16977), (540, 17028), (558, 17070), (614, 17181), (615, 17184),

Gene: MiniMac_18 Start: 16309, Stop: 17199, Start Num: 103

Candidate Starts for MiniMac_18:

(Start: 103 @16309 has 86 MA's), (125, 16333), (155, 16378), (161, 16393), (174, 16414), (212, 16510), (287, 16645), (292, 16654), (329, 16714), (331, 16717), (335, 16723), (376, 16795), (411, 16828), (429, 16840), (486, 16903), (505, 16954), (517, 16978), (540, 17029), (558, 17071), (614, 17182), (615, 17185),

Gene: Minispark_25 Start: 18587, Stop: 19609, Start Num: 106

Candidate Starts for Minispark_25:

(Start: 106 @18587 has 240 MA's), (Start: 122 @18605 has 2 MA's), (147, 18641), (161, 18662), (173, 18680), (212, 18785), (287, 18932), (311, 18962), (331, 19004), (385, 19109), (407, 19154), (439, 19199), (466, 19250), (467, 19256), (470, 19265), (521, 19379), (544, 19430), (554, 19454), (558, 19466), (561, 19475), (600, 19556),

Gene: MintFen_18 Start: 15793, Stop: 16653, Start Num: 73

Candidate Starts for MintFen_18:

(Start: 67 @15787 has 6 MA's), (Start: 73 @15793 has 29 MA's), (183, 15949), (213, 16030), (275, 16129), (334, 16237), (398, 16321), (465, 16393), (538, 16522), (547, 16549), (553, 16564),

Gene: Miryou_20 Start: 16308, Stop: 17438, Start Num: 37

Candidate Starts for Miryou_20:

(Start: 37 @16308 has 23 MA's), (162, 16551), (178, 16578), (214, 16677), (261, 16779), (293, 16833), (311, 16863), (328, 16899), (329, 16902), (333, 16911), (370, 16986), (372, 16989), (404, 17025), (433, 17067), (461, 17085), (465, 17091), (476, 17115), (477, 17118), (480, 17124), (500, 17157), (584, 17367), (601, 17406), (608, 17424),

Gene: Miskis_45 Start: 28475, Stop: 29356, Start Num: 76

Candidate Starts for Miskis_45:

(Start: 70 @28469 has 25 MA's), (Start: 76 @28475 has 13 MA's), (119, 28523), (140, 28550), (179, 28622), (205, 28688), (214, 28718), (279, 28826), (333, 28919), (343, 28943), (350, 28958), (433, 29054), (476, 29102), (558, 29282), (571, 29318),

Gene: MissDaisy_23 Start: 17255, Stop: 18388, Start Num: 31

Candidate Starts for MissDaisy_23:

(Start: 31 @17255 has 231 MA's), (38, 17273), (54, 17345), (Start: 67 @17375 has 6 MA's), (140, 17465), (147, 17474), (162, 17507), (177, 17531), (215, 17636), (293, 17789), (331, 17858), (333, 17864), (433, 18017), (461, 18035), (476, 18065), (500, 18107), (501, 18110), (575, 18302), (584, 18317), (601, 18356), (608, 18374),

Gene: MissRona_20 Start: 16105, Stop: 16965, Start Num: 70

Candidate Starts for MissRona_20:

(Start: 70 @16105 has 25 MA's), (Start: 93 @16120 has 8 MA's), (164, 16222), (183, 16261), (213, 16342), (267, 16426), (275, 16441), (334, 16549), (398, 16633), (461, 16699), (465, 16705), (494,

16744), (538, 16834), (553, 16876),

Gene: MissWhite_27 Start: 18271, Stop: 19281, Start Num: 106

Candidate Starts for MissWhite_27:

(Start: 106 @18271 has 240 MA's), (173, 18364), (188, 18400), (199, 18439), (287, 18616), (311, 18646), (331, 18688), (353, 18733), (401, 18823), (455, 18916), (558, 19138),

Gene: Mitti_23 Start: 17413, Stop: 18546, Start Num: 31

Candidate Starts for Mitti_23:

(Start: 31 @17413 has 231 MA's), (38, 17431), (54, 17503), (Start: 67 @17533 has 6 MA's), (140, 17623), (162, 17665), (177, 17689), (215, 17794), (293, 17947), (331, 18016), (333, 18022), (433, 18175), (461, 18193), (476, 18223), (500, 18265), (501, 18268), (575, 18460), (584, 18475), (601, 18514), (608, 18532),

Gene: MkaliMitinis3_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for MkaliMitinis3_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: ModicumRichard_18 Start: 15643, Stop: 16551, Start Num: 99

Candidate Starts for ModicumRichard_18:

(7, 15190), (Start: 99 @15643 has 6 MA's), (Start: 122 @15670 has 2 MA's), (145, 15703), (193, 15805), (203, 15832), (212, 15856), (270, 15958), (287, 15991), (302, 16021), (328, 16057), (331, 16063), (336, 16072), (377, 16150), (411, 16180), (425, 16186), (434, 16201), (501, 16306), (532, 16372), (573, 16471), (594, 16498), (598, 16504), (612, 16540),

Gene: Mollymur_30 Start: 27246, Stop: 28130, Start Num: 70

Candidate Starts for Mollymur_30:

(43, 27171), (Start: 70 @27246 has 25 MA's), (Start: 93 @27267 has 8 MA's), (155, 27345), (179, 27393), (183, 27402), (214, 27489), (293, 27618), (333, 27690), (335, 27696), (433, 27825), (514, 27948), (527, 27969), (538, 27996),

Gene: Moonflower_18 Start: 16305, Stop: 17252, Start Num: 106

Candidate Starts for Moonflower_18:

(Start: 106 @16305 has 240 MA's), (208, 16500), (252, 16581), (299, 16665), (313, 16671), (320, 16686), (353, 16746), (371, 16776), (375, 16782), (424, 16845), (438, 16869), (440, 16875), (460, 16911), (504, 16980), (527, 17022), (539, 17049), (558, 17091), (559, 17094), (564, 17106), (587, 17157), (600, 17181), (616, 17226), (620, 17235),

Gene: MoontowerMania_33 Start: 29628, Stop: 30584, Start Num: 85

Candidate Starts for MoontowerMania_33:

(Start: 85 @29628 has 58 MA's), (194, 29814), (197, 29826), (198, 29829), (209, 29853), (215, 29874), (255, 29934), (317, 30021), (319, 30024), (336, 30060), (352, 30093), (360, 30108), (367, 30120), (392, 30150), (396, 30156), (438, 30216), (500, 30306), (541, 30396), (552, 30420), (556, 30432), (584, 30498), (602, 30537), (606, 30549), (617, 30579),

Gene: Moostard_18 Start: 16493, Stop: 17383, Start Num: 103

Candidate Starts for Moostard_18:

(Start: 103 @16493 has 86 MA's), (125, 16517), (155, 16562), (161, 16577), (174, 16598), (212, 16694), (287, 16829), (292, 16838), (329, 16898), (331, 16901), (335, 16907), (376, 16979), (411, 17012), (486, 17087), (506, 17141), (517, 17162), (540, 17213), (558, 17255), (614, 17366), (615, 17369),

Gene: Morgana_18 Start: 15633, Stop: 16544, Start Num: 99

Candidate Starts for Morgana_18:

(7, 15180), (Start: 99 @15633 has 6 MA's), (Start: 122 @15660 has 2 MA's), (145, 15693), (193, 15795), (203, 15822), (270, 15948), (287, 15981), (302, 16011), (328, 16047), (331, 16053), (336, 16062), (377, 16140), (425, 16176), (434, 16191), (532, 16365), (573, 16464), (594, 16491), (598, 16497),

Gene: Morrissey_18 Start: 15201, Stop: 16028, Start Num: 109

Candidate Starts for Morrissey_18:

(Start: 109 @15201 has 16 MA's), (140, 15246), (155, 15270), (179, 15327), (181, 15333), (191, 15354), (202, 15390), (209, 15405), (262, 15501), (264, 15504), (325, 15597), (331, 15609), (372, 15678), (498, 15786), (532, 15834), (538, 15849), (544, 15861), (554, 15885), (562, 15909), (582, 15942), (586, 15951), (603, 15990), (605, 15996),

Gene: MosMoris_47 Start: 25618, Stop: 26580, Start Num: 103

Candidate Starts for MosMoris_47:

(Start: 103 @25618 has 86 MA's), (183, 25750), (192, 25774), (196, 25783), (198, 25789), (202, 25798), (212, 25822), (214, 25831), (219, 25843), (280, 25969), (324, 26050), (331, 26065), (335, 26071), (411, 26179), (505, 26305), (507, 26311), (544, 26386), (577, 26461), (581, 26467), (588, 26479), (590, 26482), (621, 26569), (623, 26572), (624, 26575),

Gene: Mowgli_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Mowgli_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Moyashi_15 Start: 11324, Stop: 12265, Start Num: 83

Candidate Starts for Moyashi_15:

(74, 11309), (Start: 79 @11315 has 1 MA's), (81, 11318), (Start: 83 @11324 has 44 MA's), (Start: 110 @11357 has 84 MA's), (Start: 115 @11363 has 6 MA's), (126, 11375), (149, 11402), (154, 11411), (165, 11438), (166, 11441), (168, 11444), (170, 11447), (174, 11459), (177, 11468), (194, 11513), (206, 11543), (Start: 211 @11558 has 1 MA's), (213, 11564), (214, 11570), (215, 11573), (216, 11576), (230, 11600), (242, 11624), (249, 11642), (267, 11678), (270, 11684), (280, 11711), (294, 11735), (319, 11762), (331, 11789), (335, 11795), (367, 11858), (375, 11870), (406, 11912), (408, 11915), (417, 11930), (441, 11969), (447, 11984), (458, 12005), (479, 12020), (489, 12035), (492, 12041), (521, 12113), (522, 12116), (531, 12134), (532, 12137), (536, 12146), (554, 12194), (558, 12206), (561, 12215), (567, 12230), (569, 12236), (574, 12251),

Gene: MrAK_15 Start: 11335, Stop: 12276, Start Num: 83

Candidate Starts for MrAK_15:

(71, 11317), (Start: 83 @11335 has 44 MA's), (Start: 110 @11368 has 84 MA's), (Start: 115 @11374 has 6 MA's), (126, 11386), (149, 11413), (154, 11422), (166, 11452), (168, 11455), (170, 11458), (174, 11470), (177, 11479), (182, 11494), (192, 11518), (194, 11524), (206, 11554), (Start: 211 @11569 has 1 MA's), (214, 11581), (216, 11587), (242, 11635), (249, 11653), (267, 11689), (270, 11695), (280, 11722), (282, 11725), (294, 11746), (319, 11773), (329, 11797), (335, 11806), (367, 11869), (406, 11923), (408, 11926), (441, 11980), (447, 11995), (458, 12016), (479, 12031), (489, 12046), (492, 12052), (521, 12124), (522, 12127), (531, 12145), (532, 12148), (536, 12157), (554, 12205), (558, 12217), (561, 12226), (567, 12241), (569, 12247), (574, 12262),

Gene: MrMagoo_31 Start: 22001, Stop: 22912, Start Num: 96

Candidate Starts for MrMagoo_31:

(Start: 96 @22001 has 21 MA's), (Start: 105 @22010 has 1 MA's), (147, 22064), (163, 22100), (167, 22103), (177, 22121), (183, 22136), (Start: 211 @22205 has 1 MA's), (212, 22208), (329, 22433), (331, 22436), (345, 22466), (425, 22553), (505, 22673), (532, 22727), (538, 22742), (553, 22775), (613, 22898),

Gene: MsGreen_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for MsGreen_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: Muddy_20 Start: 15099, Stop: 16211, Start Num: 34

Candidate Starts for Muddy_20:

(Start: 34 @15099 has 4 MA's), (42, 15147), (116, 15255), (121, 15264), (163, 15333), (179, 15360), (236, 15507), (295, 15615), (333, 15690), (336, 15699), (353, 15735), (404, 15804), (433, 15846), (476, 15891), (480, 15900), (508, 15957), (552, 16062), (599, 16173),

Gene: Mufasa_18 Start: 13909, Stop: 15036, Start Num: 33

Candidate Starts for Mufasa_18:

(Start: 33 @13909 has 11 MA's), (38, 13918), (Start: 67 @14020 has 6 MA's), (140, 14110), (162, 14152), (178, 14179), (213, 14272), (214, 14278), (244, 14341), (261, 14380), (293, 14434), (333, 14512), (355, 14563), (370, 14587), (433, 14665), (461, 14683), (476, 14713), (500, 14755), (501, 14758), (547, 14872), (575, 14950), (584, 14965), (601, 15004), (608, 15022),

Gene: Mulch_21 Start: 16293, Stop: 17354, Start Num: 60

Candidate Starts for Mulch_21:

(Start: 60 @16293 has 18 MA's), (Start: 99 @16338 has 6 MA's), (124, 16368), (188, 16476), (245, 16626), (266, 16674), (310, 16758), (316, 16767), (335, 16809), (448, 16986), (468, 17019), (491, 17055), (567, 17250), (600, 17322), (601, 17325),

Gene: Mulciber_27 Start: 19730, Stop: 20752, Start Num: 106

Candidate Starts for Mulciber_27:

(Start: 106 @19730 has 240 MA's), (147, 19787), (183, 19862), (242, 19991), (270, 20051), (304, 20111), (311, 20117), (331, 20159), (353, 20204), (355, 20210), (401, 20294), (426, 20327), (558, 20609), (561, 20618), (568, 20633), (600, 20699),

Gene: Munch_27 Start: 19736, Stop: 20758, Start Num: 106

Candidate Starts for Munch_27:

(Start: 106 @19736 has 240 MA's), (147, 19793), (183, 19868), (242, 19997), (270, 20057), (304, 20117), (311, 20123), (331, 20165), (353, 20210), (355, 20216), (401, 20300), (426, 20333), (558, 20615), (561, 20624), (568, 20639), (600, 20705),

Gene: MunkgeeRoachy_17 Start: 14812, Stop: 15783, Start Num: 110

Candidate Starts for MunkgeeRoachy_17:

(Start: 110 @14812 has 84 MA's), (143, 14857), (155, 14878), (183, 14941), (192, 14965), (202, 14995), (216, 15034), (247, 15073), (252, 15082), (254, 15085), (288, 15151), (320, 15199), (344, 15241), (371, 15289), (438, 15400), (443, 15415), (445, 15418), (454, 15436), (457, 15442), (496, 15487), (504, 15514), (511, 15532), (539, 15583), (540, 15586), (553, 15616), (556, 15625), (561, 15640), (581, 15685), (587, 15697), (608, 15745), (616, 15769), (618, 15775),

Gene: Murp_18 Start: 15861, Stop: 16721, Start Num: 73

Candidate Starts for Murp_18:

(Start: 73 @15861 has 29 MA's), (183, 16017), (213, 16098), (275, 16197), (334, 16305), (398, 16389), (461, 16455), (465, 16461), (538, 16590), (553, 16632),

Gene: Murucutumbu_22 Start: 15969, Stop: 17105, Start Num: 31

Candidate Starts for Murucutumbu_22:

(Start: 31 @15969 has 231 MA's), (Start: 67 @16086 has 6 MA's), (154, 16197), (162, 16218), (178, 16245), (215, 16347), (293, 16500), (334, 16581), (390, 16671), (476, 16782), (500, 16824), (539, 16917), (547, 16941), (584, 17034), (601, 17073), (608, 17091),

Gene: Mutzi_32 Start: 25361, Stop: 26293, Start Num: 91

Candidate Starts for Mutzi_32:

(Start: 91 @25361 has 34 MA's), (161, 25457), (192, 25526), (194, 25532), (197, 25544), (198, 25547), (202, 25556), (209, 25571), (319, 25745), (335, 25778), (336, 25781), (438, 25928), (522, 26063), (539, 26099), (556, 26141), (589, 26216), (598, 26237), (617, 26288),

Gene: Mynx_22 Start: 16034, Stop: 17170, Start Num: 31

Candidate Starts for Mynx_22:

(Start: 31 @16034 has 231 MA's), (Start: 67 @16151 has 6 MA's), (140, 16241), (154, 16262), (162, 16283), (178, 16310), (293, 16565), (334, 16646), (372, 16721), (390, 16736), (476, 16847), (500, 16889), (539, 16982), (547, 17006), (584, 17099), (601, 17138), (608, 17156),

Gene: Myxus_28 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for Myxus_28:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: NaLuna_18 Start: 15721, Stop: 16650, Start Num: 106

Candidate Starts for NaLuna_18:

(86, 15700), (Start: 106 @15721 has 240 MA's), (Start: 117 @15730 has 6 MA's), (147, 15772), (259, 16006), (283, 16051), (299, 16075), (313, 16081), (317, 16090), (320, 16096), (335, 16126), (353, 16156), (371, 16186), (375, 16192), (424, 16255), (438, 16279), (486, 16336), (527, 16423), (558, 16492), (604, 16597), (616, 16630),

Gene: NaSiaTalie_27 Start: 19198, Stop: 20214, Start Num: 106

Candidate Starts for NaSiaTalie_27:

(Start: 106 @19198 has 240 MA's), (161, 19273), (173, 19291), (188, 19327), (199, 19366), (287, 19543), (311, 19573), (329, 19612), (331, 19615), (558, 20071), (568, 20095),

Gene: Naca_23 Start: 18502, Stop: 19515, Start Num: 114

Candidate Starts for Naca_23:

(Start: 114 @18502 has 85 MA's), (173, 18598), (186, 18631), (188, 18634), (199, 18673), (270, 18808), (282, 18838), (304, 18868), (311, 18874), (320, 18892), (331, 18916), (351, 18958), (558, 19372), (600, 19462),

Gene: Nadeem_21 Start: 16293, Stop: 17354, Start Num: 60

Candidate Starts for Nadeem_21:

(Start: 60 @16293 has 18 MA's), (Start: 99 @16338 has 6 MA's), (124, 16368), (188, 16476), (245, 16626), (266, 16674), (310, 16758), (316, 16767), (335, 16809), (448, 16986), (468, 17019), (491, 17055), (567, 17250), (600, 17322), (601, 17325),

Gene: NadineRae_40 Start: 26218, Stop: 27138, Start Num: 92

Candidate Starts for NadineRae_40:

(Start: 92 @26218 has 11 MA's), (150, 26299), (174, 26344), (199, 26413), (267, 26539), (287, 26581), (336, 26665), (361, 26716), (401, 26749), (527, 26947), (535, 26965), (558, 27007), (600, 27103), (608, 27124),

Gene: Naiad_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Naiad_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Nairb_18 Start: 16018, Stop: 16983, Start Num: 93

Candidate Starts for Nairb_18:

(Start: 93 @16018 has 8 MA's), (120, 16045), (130, 16063), (216, 16240), (217, 16243), (254, 16318), (287, 16384), (300, 16411), (329, 16468), (335, 16477), (506, 16714), (519, 16738), (561, 16837), (569, 16858), (578, 16879), (597, 16918), (601, 16927),

Gene: Naji_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for Naji_30:

(Start: 106 @19042 has 240 MA's), (147, 19096), (161, 19117), (173, 19135), (247, 19306), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: Nancinator_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Nancinator_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: NancyRae_21 Start: 16299, Stop: 17360, Start Num: 60

Candidate Starts for NancyRae_21:

(Start: 60 @16299 has 18 MA's), (Start: 99 @16344 has 6 MA's), (124, 16374), (188, 16482), (245, 16632), (266, 16680), (310, 16764), (316, 16773), (335, 16815), (448, 16992), (468, 17025), (491, 17061), (567, 17256), (600, 17328), (601, 17331),

Gene: Nanosmite_31 Start: 21873, Stop: 22784, Start Num: 96

Candidate Starts for Nanosmite_31:

(Start: 96 @21873 has 21 MA's), (167, 21975), (177, 21993), (183, 22008), (Start: 211 @22077 has 1 MA's), (214, 22089), (260, 22167), (282, 22215), (329, 22305), (331, 22308), (368, 22377), (411, 22419), (495, 22512), (501, 22530), (515, 22566), (532, 22599), (553, 22647), (596, 22722), (601, 22734),

Gene: NatB6_40 Start: 28930, Stop: 29871, Start Num: 87

Candidate Starts for NatB6_40:

(Start: 87 @28930 has 26 MA's), (150, 29017), (188, 29092), (Start: 211 @29158 has 1 MA's), (240, 29200), (267, 29257), (401, 29470), (415, 29497), (500, 29608), (558, 29740), (600, 29836),

Gene: Natkenzie_34 Start: 29777, Stop: 30754, Start Num: 72

Candidate Starts for Natkenzie_34:

(Start: 72 @29777 has 35 MA's), (135, 29852), (144, 29864), (161, 29900), (180, 29936), (216, 30038), (254, 30092), (287, 30164), (328, 30227), (332, 30236), (359, 30293), (379, 30326), (405, 30359), (407, 30362), (445, 30419), (502, 30515), (514, 30548), (520, 30557), (532, 30578), (543, 30605),

(550, 30626), (554, 30635), (556, 30641), (569, 30674), (570, 30677), (594, 30731), (600, 30743),

Gene: Natosaleda_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Natosaleda_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: NearlyHeadless_23 Start: 17651, Stop: 18673, Start Num: 114

Candidate Starts for NearlyHeadless_23:

(Start: 114 @17651 has 85 MA's), (183, 17774), (186, 17780), (212, 17852), (270, 17957), (280, 17984), (331, 18074), (440, 18275), (454, 18305), (455, 18308), (554, 18518), (569, 18557), (592, 18605), (600, 18620),

Gene: Nebkiss_14 Start: 13326, Stop: 14438, Start Num: 44

Candidate Starts for Nebkiss_14:

(Start: 44 @13326 has 3 MA's), (45, 13329), (Start: 109 @13422 has 16 MA's), (116, 13428), (147, 13473), (161, 13503), (177, 13530), (178, 13533), (180, 13539), (188, 13554), (189, 13557), (213, 13626), (214, 13632), (244, 13710), (275, 13767), (293, 13803), (328, 13869), (333, 13881), (383, 13983), (384, 13986), (395, 14013), (433, 14076), (500, 14157), (502, 14163), (527, 14220), (539, 14250), (544, 14265), (552, 14289), (554, 14295), (575, 14352), (608, 14424),

Gene: Nebulosus_29 Start: 18119, Stop: 19096, Start Num: 110

Candidate Starts for Nebulosus_29:

(Start: 110 @18119 has 84 MA's), (183, 18233), (186, 18239), (188, 18242), (297, 18476), (452, 18743), (493, 18797), (558, 18953),

Gene: Nedarya_28 Start: 18765, Stop: 19742, Start Num: 109

Candidate Starts for Nedarya_28:

(Start: 109 @18765 has 16 MA's), (186, 18885), (Start: 211 @18954 has 1 MA's), (212, 18957), (242, 19008), (297, 19122), (460, 19401), (558, 19599), (561, 19608), (600, 19689),

Gene: Neeharika16_30 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for Neeharika16_30:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: Neighly_20 Start: 16168, Stop: 17298, Start Num: 37

Candidate Starts for Neighly_20:

(Start: 37 @16168 has 23 MA's), (121, 16342), (161, 16408), (178, 16438), (214, 16537), (261, 16639), (293, 16693), (311, 16723), (328, 16759), (329, 16762), (333, 16771), (370, 16846), (372, 16849), (404, 16885), (433, 16927), (461, 16945), (465, 16951), (476, 16975), (477, 16978), (500, 17017), (542, 17119), (584, 17227), (601, 17266), (608, 17284),

Gene: Neoh_17 Start: 15469, Stop: 16641, Start Num: 31

Candidate Starts for Neoh_17:

(5, 15136), (Start: 31 @15469 has 231 MA's), (Start: 67 @15589 has 6 MA's), (Start: 84 @15607 has 6 MA's), (121, 15652), (124, 15658), (161, 15721), (180, 15757), (207, 15826), (208, 15829), (214, 15850), (240, 15904), (261, 15949), (278, 15979), (333, 16081), (338, 16093), (342, 16105), (351, 16123), (461, 16288), (476, 16318), (491, 16336), (500, 16360), (548, 16480), (584, 16570), (599, 16603),

Gene: Nergal_21 Start: 15940, Stop: 17028, Start Num: 44

Candidate Starts for Nergal_21:

(Start: 44 @15940 has 3 MA's), (47, 15961), (147, 16105), (161, 16135), (172, 16153), (178, 16165), (195, 16210), (215, 16267), (244, 16312), (328, 16471), (333, 16483), (339, 16498), (351, 16525), (387, 16573), (414, 16615), (446, 16645), (465, 16678), (469, 16690), (500, 16747), (512, 16783), (534, 16825), (547, 16864), (561, 16912), (568, 16927), (575, 16945), (599, 16993), (600, 16996),

Gene: Nette_18 Start: 15837, Stop: 16802, Start Num: 93

Candidate Starts for Nette_18:

(Start: 93 @15837 has 8 MA's), (120, 15864), (130, 15882), (217, 16062), (254, 16137), (300, 16230), (329, 16287), (335, 16296), (398, 16380), (519, 16557), (526, 16572), (540, 16605), (561, 16656), (578, 16698), (597, 16737), (601, 16746),

Gene: Netyap_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Netyap_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Neville_27 Start: 22392, Stop: 23303, Start Num: 100

Candidate Starts for Neville_27:

(Start: 89 @22377 has 16 MA's), (Start: 100 @22392 has 6 MA's), (147, 22449), (161, 22479), (197, 22557), (212, 22593), (252, 22668), (268, 22701), (287, 22737), (328, 22818), (329, 22821), (342, 22848), (345, 22854), (361, 22881), (425, 22941), (429, 22947), (505, 23070), (506, 23073), (517, 23094), (532, 23124), (536, 23133), (553, 23172), (554, 23175), (571, 23217), (586, 23232), (590, 23238), (598, 23256), (604, 23271),

Gene: Newrala_30 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for Newrala_30:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: Nibb_21 Start: 15295, Stop: 16431, Start Num: 31

Candidate Starts for Nibb_21:

(Start: 31 @15295 has 231 MA's), (Start: 67 @15412 has 6 MA's), (Start: 84 @15430 has 6 MA's), (140, 15502), (154, 15523), (178, 15571), (261, 15772), (319, 15871), (328, 15892), (370, 15979), (433, 16060), (500, 16150), (501, 16153), (539, 16243), (584, 16360), (597, 16387), (601, 16399), (608, 16417),

Gene: Nibbles_19 Start: 15745, Stop: 16710, Start Num: 110

Candidate Starts for Nibbles_19:

(Start: 110 @15745 has 84 MA's), (143, 15790), (161, 15826), (173, 15847), (183, 15874), (202, 15928), (234, 15985), (247, 16009), (252, 16018), (254, 16021), (288, 16090), (320, 16138), (371, 16228), (381, 16243), (412, 16282), (504, 16438), (539, 16504), (540, 16507), (541, 16510), (553, 16537), (556, 16546), (566, 16570), (579, 16603), (589, 16621), (605, 16666), (616, 16696), (618, 16702),

Gene: Nicholas_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for Nicholas_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614,

17363), (615, 17366),

Gene: Nicholasp3_17 Start: 16079, Stop: 16993, Start Num: 103

Candidate Starts for Nicholasp3_17:

(Start: 103 @16079 has 86 MA's), (125, 16103), (147, 16133), (206, 16259), (246, 16331), (328, 16484), (329, 16487), (331, 16490), (345, 16520), (398, 16577), (411, 16601), (425, 16607), (486, 16676), (495, 16694), (502, 16715), (527, 16769), (532, 16781), (558, 16844), (614, 16973), (619, 16985),

Gene: NicoleTera_31 Start: 21002, Stop: 22015, Start Num: 106

Candidate Starts for NicoleTera_31:

(Start: 106 @21002 has 240 MA's), (Start: 122 @21020 has 2 MA's), (173, 21095), (188, 21131), (199, 21170), (311, 21377), (329, 21416), (331, 21419), (353, 21464), (385, 21524), (473, 21683), (558, 21872),

Gene: Nikao_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Nikao_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: Niklas_22 Start: 15378, Stop: 16517, Start Num: 31

Candidate Starts for Niklas_22:

(Start: 31 @15378 has 231 MA's), (Start: 67 @15498 has 6 MA's), (140, 15588), (178, 15657), (214, 15756), (215, 15759), (261, 15858), (293, 15912), (334, 15993), (372, 16068), (390, 16083), (465, 16170), (476, 16194), (500, 16236), (501, 16239), (522, 16290), (539, 16329), (568, 16413), (575, 16431), (584, 16446), (601, 16485), (608, 16503),

Gene: Nina_18 Start: 15806, Stop: 16777, Start Num: 110

Candidate Starts for Nina_18:

(Start: 110 @15806 has 84 MA's), (143, 15851), (155, 15872), (183, 15935), (192, 15959), (202, 15989), (216, 16028), (247, 16067), (252, 16076), (254, 16079), (288, 16145), (320, 16193), (344, 16235), (371, 16283), (402, 16334), (438, 16394), (443, 16409), (445, 16412), (454, 16430), (457, 16436), (496, 16481), (504, 16508), (511, 16526), (539, 16577), (540, 16580), (553, 16610), (556, 16619), (561, 16634), (587, 16691), (608, 16739), (616, 16763), (618, 16769),

Gene: NoShow_17 Start: 14354, Stop: 15487, Start Num: 34

Candidate Starts for NoShow_17:

(Start: 34 @14354 has 4 MA's), (42, 14402), (Start: 97 @14507 has 2 MA's), (119, 14531), (177, 14624), (225, 14753), (295, 14888), (328, 14954), (333, 14966), (336, 14975), (370, 15041), (414, 15101), (415, 15104), (433, 15125), (464, 15146), (476, 15170), (480, 15179), (501, 15212), (507, 15233), (562, 15371), (585, 15422), (599, 15452), (601, 15458),

Gene: Nodigi_19 Start: 14799, Stop: 15758, Start Num: 110

Candidate Starts for Nodigi_19:

(Start: 110 @14799 has 84 MA's), (125, 14820), (147, 14850), (252, 15069), (303, 15165), (320, 15186), (344, 15228), (371, 15276), (390, 15291), (416, 15345), (438, 15378), (540, 15561), (541, 15564), (553, 15591), (556, 15600), (558, 15606), (566, 15624), (579, 15657), (584, 15666), (587, 15672), (605, 15714), (609, 15723), (616, 15744), (618, 15750),

Gene: Nordenberg_28 Start: 28984, Stop: 29940, Start Num: 85

Candidate Starts for Nordenberg_28:

(Start: 85 @28984 has 58 MA's), (194, 29170), (197, 29182), (209, 29209), (215, 29230), (255, 29290), (319, 29380), (336, 29416), (352, 29449), (360, 29464), (367, 29476), (392, 29506), (396, 29512), (438, 29572), (500, 29662), (541, 29752), (552, 29776), (556, 29788), (584, 29854), (602, 29893), (606, 29905),

Gene: Norvs_48 Start: 28708, Stop: 29595, Start Num: 70

Candidate Starts for Norvs_48:

(Start: 70 @28708 has 25 MA's), (Start: 76 @28714 has 13 MA's), (119, 28762), (140, 28789), (179, 28861), (205, 28927), (214, 28957), (279, 29065), (333, 29158), (343, 29182), (350, 29197), (433, 29293), (476, 29341), (558, 29521), (571, 29557),

Gene: NosilaM_43 Start: 29537, Stop: 30454, Start Num: 89

Candidate Starts for NosilaM_43:

(Start: 89 @29537 has 16 MA's), (150, 29618), (169, 29654), (240, 29801), (361, 30035), (398, 30062), (500, 30206), (505, 30224), (558, 30323), (600, 30419), (602, 30425), (608, 30440),

Gene: NothingSpecial_29 Start: 21202, Stop: 22212, Start Num: 106

Candidate Starts for NothingSpecial_29:

(Start: 106 @21202 has 240 MA's), (173, 21295), (188, 21331), (199, 21370), (311, 21577), (329, 21616), (331, 21619), (353, 21664), (521, 21982), (554, 22057), (558, 22069), (568, 22093), (600, 22159),

Gene: November_20 Start: 16335, Stop: 17471, Start Num: 31

Candidate Starts for November_20:

(Start: 31 @16335 has 231 MA's), (Start: 67 @16452 has 6 MA's), (Start: 84 @16470 has 6 MA's), (111, 16503), (140, 16542), (178, 16611), (216, 16716), (261, 16812), (293, 16866), (328, 16932), (333, 16944), (433, 17100), (465, 17124), (500, 17190), (501, 17193), (502, 17196), (539, 17283), (584, 17400), (608, 17457),

Gene: NovoPizza_18 Start: 16611, Stop: 17699, Start Num: 56

Candidate Starts for NovoPizza_18:

(Start: 56 @16611 has 23 MA's), (59, 16620), (140, 16716), (159, 16746), (177, 16782), (178, 16785), (180, 16791), (251, 16974), (256, 16983), (266, 17004), (269, 17010), (337, 17145), (346, 17163), (403, 17247), (444, 17313), (453, 17331), (478, 17385), (527, 17484), (529, 17487), (539, 17514), (552, 17553), (585, 17631),

Gene: NovumRegina_40 Start: 29260, Stop: 30201, Start Num: 87

Candidate Starts for NovumRegina_40:

(Start: 87 @29260 has 26 MA's), (150, 29347), (188, 29422), (Start: 211 @29488 has 1 MA's), (240, 29530), (267, 29587), (401, 29800), (415, 29827), (500, 29938), (558, 30070), (600, 30166),

Gene: Nubi_30 Start: 24922, Stop: 25866, Start Num: 91

Candidate Starts for Nubi_30:

(Start: 91 @24922 has 34 MA's), (161, 25027), (192, 25096), (194, 25102), (202, 25126), (209, 25141), (438, 25501), (443, 25516), (456, 25534), (522, 25636), (541, 25678), (556, 25714), (598, 25810), (617, 25861),

Gene: Nutello_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Nutello_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: Nyceirae_22 Start: 17929, Stop: 18777, Start Num: 70

Candidate Starts for Nyceirae_22:

(Start: 70 @17929 has 25 MA's), (Start: 93 @17938 has 8 MA's), (Start: 112 @17959 has 15 MA's), (Start: 118 @17962 has 5 MA's), (188, 18085), (209, 18145), (213, 18157), (273, 18253), (275, 18256), (293, 18292), (361, 18421), (474, 18541), (494, 18562), (510, 18613), (535, 18649), (554, 18703),

Gene: OBUpride_21 Start: 16309, Stop: 17403, Start Num: 56

Candidate Starts for OBUpride_21:

(Start: 56 @16309 has 23 MA's), (59, 16318), (140, 16414), (147, 16423), (Start: 151 @16432 has 1 MA's), (178, 16483), (180, 16489), (216, 16585), (223, 16603), (251, 16672), (256, 16681), (266, 16702), (269, 16708), (272, 16714), (274, 16717), (310, 16789), (312, 16792), (401, 16948), (437, 16999), (444, 17017), (478, 17089), (494, 17107), (529, 17191), (539, 17218), (540, 17221), (552, 17257), (558, 17275), (575, 17317), (584, 17332), (585, 17335), (599, 17365), (601, 17371),

Gene: ObLaDi_18 Start: 15622, Stop: 16530, Start Num: 99

Candidate Starts for ObLaDi_18:

(Start: 99 @15622 has 6 MA's), (Start: 122 @15649 has 2 MA's), (145, 15682), (193, 15784), (203, 15811), (212, 15835), (287, 15970), (302, 16000), (328, 16036), (331, 16042), (336, 16051), (377, 16129), (411, 16159), (425, 16165), (434, 16180), (501, 16285), (532, 16351), (573, 16450), (594, 16477), (598, 16483), (612, 16519),

Gene: Obliviate_17 Start: 15583, Stop: 16443, Start Num: 73

Candidate Starts for Obliviate_17:

(Start: 67 @15577 has 6 MA's), (Start: 73 @15583 has 29 MA's), (183, 15739), (213, 15820), (275, 15919), (334, 16027), (398, 16111), (461, 16177), (494, 16222), (538, 16312), (553, 16354),

Gene: OctaviousRex_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for OctaviousRex_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Octobien14_27 Start: 21830, Stop: 22741, Start Num: 100

Candidate Starts for Octobien14_27:

(Start: 100 @21830 has 6 MA's), (Start: 114 @21845 has 85 MA's), (197, 21995), (212, 22031), (268, 22139), (320, 22238), (328, 22256), (331, 22262), (342, 22286), (425, 22379), (504, 22505), (506, 22511), (517, 22532), (531, 22559), (554, 22613), (571, 22655), (597, 22691), (604, 22709),

Gene: Odin_26 Start: 17954, Stop: 18964, Start Num: 106

Candidate Starts for Odin_26:

(Start: 106 @17954 has 240 MA's), (161, 18029), (173, 18047), (188, 18083), (311, 18329), (329, 18368), (331, 18371), (353, 18416), (401, 18506), (473, 18632), (521, 18734), (558, 18821), (568, 18845), (600, 18911),

Gene: OhShagHennessy_17 Start: 15830, Stop: 16711, Start Num: 103

Candidate Starts for OhShagHennessy_17:

(62, 15776), (63, 15779), (Start: 89 @15812 has 16 MA's), (Start: 103 @15830 has 86 MA's), (125, 15854), (147, 15884), (155, 15899), (174, 15932), (246, 16076), (282, 16157), (329, 16232), (331, 16235), (335, 16241), (355, 16286), (376, 16313), (411, 16346), (425, 16352), (450, 16385), (455, 16394), (486, 16421), (538, 16541), (558, 16589), (571, 16616), (598, 16655), (601, 16661), (614, 16700),

Gene: OkiRoe_20 Start: 16324, Stop: 17454, Start Num: 37

Candidate Starts for OkiRoe_20:

(Start: 37 @16324 has 23 MA's), (161, 16564), (162, 16567), (178, 16594), (214, 16693), (261, 16795), (293, 16849), (311, 16879), (328, 16915), (329, 16918), (333, 16927), (370, 17002), (372, 17005), (404, 17041), (433, 17083), (461, 17101), (465, 17107), (476, 17131), (477, 17134), (480, 17140), (500, 17173), (584, 17383), (601, 17422), (608, 17440),

Gene: Olga_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Olga_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: OmniCritical_23 Start: 17398, Stop: 18531, Start Num: 31

Candidate Starts for OmniCritical_23:

(Start: 31 @17398 has 231 MA's), (38, 17416), (54, 17488), (Start: 67 @17518 has 6 MA's), (140, 17608), (162, 17650), (177, 17674), (215, 17779), (293, 17932), (331, 18001), (333, 18007), (433, 18160), (461, 18178), (476, 18208), (500, 18250), (501, 18253), (575, 18445), (584, 18460), (601, 18499), (608, 18517),

Gene: Omnicron_20 Start: 15090, Stop: 16220, Start Num: 37

Candidate Starts for Omnicron_20:

(Start: 37 @15090 has 23 MA's), (Start: 84 @15219 has 6 MA's), (121, 15264), (161, 15330), (162, 15333), (178, 15360), (194, 15402), (214, 15459), (261, 15561), (293, 15615), (311, 15645), (328, 15681), (333, 15693), (355, 15744), (370, 15768), (401, 15801), (433, 15849), (465, 15873), (476, 15897), (477, 15900), (500, 15939), (584, 16149), (601, 16188), (608, 16206),

Gene: OneUp_41 Start: 26148, Stop: 27029, Start Num: 73

Candidate Starts for OneUp_41:

(17, 25920), (20, 25944), (22, 25953), (Start: 73 @26148 has 29 MA's), (119, 26196), (179, 26295), (186, 26310), (241, 26427), (305, 26538), (333, 26592), (343, 26616), (350, 26631), (431, 26724), (433, 26727), (459, 26742), (476, 26775), (553, 26940), (570, 26988), (571, 26991),

Gene: Onglai_27 Start: 18861, Stop: 19874, Start Num: 106

Candidate Starts for Onglai_27:

(Start: 106 @18861 has 240 MA's), (Start: 122 @18879 has 2 MA's), (161, 18936), (173, 18954), (188, 18990), (270, 19170), (287, 19206), (311, 19236), (331, 19278), (415, 19437), (495, 19581), (521, 19644), (554, 19719), (558, 19731), (568, 19755),

Gene: Oofda_29 Start: 18093, Stop: 19070, Start Num: 110

Candidate Starts for Oofda_29:

(Start: 110 @18093 has 84 MA's), (183, 18207), (186, 18213), (188, 18216), (297, 18450), (452, 18717), (493, 18771), (558, 18927),

Gene: Opie_18 Start: 16062, Stop: 16988, Start Num: 106

Candidate Starts for Opie_18:

(40, 15930), (86, 16044), (Start: 106 @16062 has 240 MA's), (Start: 117 @16071 has 6 MA's), (147, 16113), (Start: 151 @16125 has 1 MA's), (259, 16347), (283, 16392), (299, 16416), (313, 16422), (317, 16431), (320, 16437), (335, 16467), (353, 16497), (371, 16527), (375, 16533), (421, 16593), (424, 16596), (438, 16620), (486, 16677), (496, 16698), (558, 16833), (616, 16971),

Gene: Orange_27 Start: 19736, Stop: 20758, Start Num: 106

Candidate Starts for Orange_27:

(Start: 106 @19736 has 240 MA's), (147, 19793), (183, 19868), (242, 19997), (270, 20057), (304, 20117), (311, 20123), (331, 20165), (353, 20210), (355, 20216), (401, 20300), (426, 20333), (558, 20615), (561, 20624), (568, 20639), (600, 20705),

Gene: Orla_19 Start: 14803, Stop: 15762, Start Num: 110

Candidate Starts for Orla_19:

(58, 14728), (Start: 110 @14803 has 84 MA's), (125, 14824), (147, 14854), (252, 15073), (303, 15169), (320, 15190), (344, 15232), (371, 15280), (390, 15295), (416, 15349), (438, 15382), (540, 15565), (541, 15568), (553, 15595), (556, 15604), (558, 15610), (566, 15628), (579, 15661), (584, 15670), (587, 15676), (616, 15748), (618, 15754),

Gene: Oscar_21 Start: 15261, Stop: 16397, Start Num: 31

Candidate Starts for Oscar_21:

(Start: 31 @15261 has 231 MA's), (Start: 67 @15378 has 6 MA's), (Start: 84 @15396 has 6 MA's), (121, 15441), (154, 15489), (178, 15537), (261, 15738), (293, 15792), (319, 15837), (328, 15858), (351, 15912), (370, 15945), (390, 15963), (433, 16026), (500, 16116), (501, 16119), (522, 16170), (539, 16209), (584, 16326), (601, 16365), (608, 16383),

Gene: Ouroboros_15 Start: 11284, Stop: 12231, Start Num: 83

Candidate Starts for Ouroboros_15:

(69, 11266), (Start: 83 @11284 has 44 MA's), (126, 11335), (129, 11338), (135, 11344), (149, 11368), (154, 11377), (166, 11407), (168, 11410), (170, 11413), (174, 11425), (177, 11434), (194, 11479), (206, 11509), (Start: 211 @11524 has 1 MA's), (214, 11536), (216, 11542), (242, 11590), (249, 11608), (262, 11635), (267, 11644), (270, 11650), (280, 11677), (329, 11752), (335, 11761), (375, 11836), (406, 11878), (408, 11881), (410, 11884), (441, 11935), (447, 11950), (458, 11971), (479, 11986), (489, 12001), (492, 12007), (521, 12079), (522, 12082), (531, 12100), (532, 12103), (536, 12112), (554, 12160), (558, 12172), (561, 12181), (567, 12196), (569, 12202), (574, 12217),

Gene: Outis_41 Start: 29510, Stop: 30433, Start Num: 87

Candidate Starts for Outis_41:

(Start: 87 @29510 has 26 MA's), (150, 29597), (169, 29633), (188, 29672), (398, 30041), (500, 30185), (558, 30302), (600, 30398), (602, 30404), (608, 30419),

Gene: OverPar_17 Start: 16106, Stop: 17020, Start Num: 103

Candidate Starts for OverPar_17:

(Start: 103 @16106 has 86 MA's), (125, 16130), (147, 16160), (206, 16286), (246, 16358), (328, 16511), (329, 16514), (331, 16517), (345, 16547), (398, 16604), (411, 16628), (425, 16634), (486, 16703), (495, 16721), (502, 16742), (527, 16796), (532, 16808), (558, 16871), (614, 17000), (619, 17012),

Gene: P1.1_15 Start: 11293, Stop: 12234, Start Num: 83

Candidate Starts for P1.1_15:

(74, 11278), (Start: 79 @11284 has 1 MA's), (81, 11287), (Start: 83 @11293 has 44 MA's), (Start: 110 @11326 has 84 MA's), (Start: 115 @11332 has 6 MA's), (126, 11344), (149, 11371), (154, 11380), (166, 11410), (168, 11413), (170, 11416), (174, 11428), (177, 11437), (194, 11482), (206, 11512), (Start: 211 @11527 has 1 MA's), (214, 11539), (215, 11542), (216, 11545), (230, 11569), (242, 11593), (249, 11611), (267, 11647), (270, 11653), (280, 11680), (282, 11683), (315, 11722), (319, 11731), (331, 11758), (335, 11764), (367, 11827), (375, 11839), (406, 11881), (408, 11884), (410, 11887), (441, 11938), (447, 11953), (458, 11974), (479, 11989), (489, 12004), (492, 12010), (521, 12082), (522, 12085), (531, 12103), (532, 12106), (536, 12115), (554, 12163), (558, 12175), (561, 12184),

(567, 12199), (569, 12205), (574, 12220),

Gene: P100.1_15 Start: 11300, Stop: 12241, Start Num: 83

Candidate Starts for P100.1_15:

(Start: 79 @11291 has 1 MA's), (Start: 83 @11300 has 44 MA's), (Start: 110 @11333 has 84 MA's), (126, 11351), (149, 11378), (154, 11387), (165, 11414), (166, 11417), (168, 11420), (170, 11423), (174, 11435), (177, 11444), (182, 11459), (194, 11489), (206, 11519), (Start: 211 @11534 has 1 MA's), (216, 11552), (227, 11567), (230, 11576), (242, 11600), (249, 11618), (270, 11660), (280, 11687), (315, 11729), (319, 11738), (331, 11765), (335, 11771), (367, 11834), (375, 11846), (406, 11888), (408, 11891), (417, 11906), (441, 11945), (447, 11960), (458, 11981), (479, 11996), (489, 12011), (492, 12017), (521, 12089), (522, 12092), (531, 12110), (532, 12113), (536, 12122), (554, 12170), (558, 12182), (561, 12191), (567, 12206), (569, 12212), (574, 12227),

Gene: P100A_15 Start: 11295, Stop: 12242, Start Num: 83

Candidate Starts for P100A_15:

(Start: 79 @11286 has 1 MA's), (81, 11289), (Start: 83 @11295 has 44 MA's), (Start: 110 @11328 has 84 MA's), (126, 11346), (129, 11349), (135, 11355), (149, 11379), (154, 11388), (166, 11418), (168, 11421), (170, 11424), (174, 11436), (177, 11445), (194, 11490), (206, 11520), (Start: 211 @11535 has 1 MA's), (213, 11541), (216, 11553), (242, 11601), (249, 11619), (267, 11655), (270, 11661), (280, 11688), (315, 11730), (329, 11763), (335, 11772), (367, 11835), (375, 11847), (406, 11889), (408, 11892), (410, 11895), (432, 11928), (441, 11946), (447, 11961), (458, 11982), (479, 11997), (489, 12012), (492, 12018), (521, 12090), (522, 12093), (531, 12111), (532, 12114), (554, 12171), (558, 12183), (561, 12192), (567, 12207), (569, 12213), (574, 12228),

Gene: P100D_15 Start: 11296, Stop: 12237, Start Num: 83

Candidate Starts for P100D_15:

(74, 11281), (Start: 79 @11287 has 1 MA's), (81, 11290), (Start: 83 @11296 has 44 MA's), (Start: 110 @11329 has 84 MA's), (Start: 115 @11335 has 6 MA's), (126, 11347), (149, 11374), (154, 11383), (166, 11413), (168, 11416), (170, 11419), (174, 11431), (177, 11440), (182, 11455), (194, 11485), (206, 11515), (Start: 211 @11530 has 1 MA's), (214, 11542), (215, 11545), (216, 11548), (242, 11596), (249, 11614), (262, 11641), (267, 11650), (270, 11656), (280, 11683), (282, 11686), (315, 11725), (319, 11734), (329, 11758), (335, 11767), (367, 11830), (375, 11842), (406, 11884), (408, 11887), (410, 11890), (441, 11941), (447, 11956), (458, 11977), (479, 11992), (489, 12007), (492, 12013), (521, 12085), (522, 12088), (531, 12106), (532, 12109), (536, 12118), (554, 12166), (558, 12178), (561, 12187), (567, 12202), (569, 12208), (574, 12223),

Gene: P101A_15 Start: 11308, Stop: 12249, Start Num: 83

Candidate Starts for P101A_15:

(77, 11296), (Start: 79 @11299 has 1 MA's), (Start: 83 @11308 has 44 MA's), (Start: 110 @11341 has 84 MA's), (126, 11359), (149, 11386), (154, 11395), (165, 11422), (166, 11425), (168, 11428), (170, 11431), (174, 11443), (177, 11452), (182, 11467), (194, 11497), (206, 11527), (Start: 211 @11542 has 1 MA's), (216, 11560), (227, 11575), (230, 11584), (242, 11608), (249, 11626), (270, 11668), (280, 11695), (315, 11737), (319, 11746), (331, 11773), (335, 11779), (367, 11842), (375, 11854), (406, 11896), (408, 11899), (417, 11914), (441, 11953), (447, 11968), (458, 11989), (479, 12004), (489, 12019), (492, 12025), (521, 12097), (522, 12100), (531, 12118), (532, 12121), (536, 12130), (554, 12178), (558, 12190), (561, 12199), (567, 12214), (569, 12220), (574, 12235),

Gene: P104A_15 Start: 11279, Stop: 12226, Start Num: 83

Candidate Starts for P104A_15:

(74, 11264), (Start: 79 @11270 has 1 MA's), (Start: 83 @11279 has 44 MA's), (Start: 110 @11312 has 84 MA's), (126, 11330), (129, 11333), (135, 11339), (149, 11363), (154, 11372), (166, 11402), (168, 11405), (170, 11408), (174, 11420), (179, 11435), (182, 11444), (194, 11474), (206, 11504), (Start: 211 @11519 has 1 MA's), (213, 11525), (214, 11531), (215, 11534), (216, 11537), (230, 11561), (242,

11585), (249, 11603), (262, 11630), (267, 11639), (270, 11645), (280, 11672), (282, 11675), (294, 11696), (319, 11723), (331, 11750), (335, 11756), (367, 11819), (375, 11831), (406, 11873), (408, 11876), (410, 11879), (417, 11891), (441, 11930), (447, 11945), (458, 11966), (479, 11981), (489, 11996), (492, 12002), (521, 12074), (522, 12077), (531, 12095), (532, 12098), (536, 12107), (554, 12155), (558, 12167), (561, 12176), (567, 12191), (569, 12197), (574, 12212),

Gene: P104B_15 Start: 11296, Stop: 12243, Start Num: 83

Candidate Starts for P104B_15:

(74, 11281), (Start: 79 @11287 has 1 MA's), (81, 11290), (Start: 83 @11296 has 44 MA's), (Start: 110 @11329 has 84 MA's), (Start: 115 @11335 has 6 MA's), (126, 11347), (129, 11350), (135, 11356), (149, 11380), (154, 11389), (166, 11419), (168, 11422), (170, 11425), (174, 11437), (177, 11446), (179, 11452), (194, 11491), (206, 11521), (Start: 211 @11536 has 1 MA's), (214, 11548), (215, 11551), (216, 11554), (242, 11602), (249, 11620), (262, 11647), (267, 11656), (280, 11689), (294, 11713), (319, 11740), (329, 11764), (335, 11773), (367, 11836), (375, 11848), (406, 11890), (408, 11893), (410, 11896), (441, 11947), (447, 11962), (458, 11983), (479, 11998), (489, 12013), (492, 12019), (521, 12091), (522, 12094), (531, 12112), (532, 12115), (536, 12124), (554, 12172), (558, 12184), (561, 12193), (567, 12208), (569, 12214), (574, 12229),

Gene: P105_15 Start: 11205, Stop: 12146, Start Num: 83

Candidate Starts for P105_15:

(71, 11187), (Start: 83 @11205 has 44 MA's), (Start: 110 @11238 has 84 MA's), (Start: 115 @11244 has 6 MA's), (126, 11256), (149, 11283), (154, 11292), (166, 11322), (168, 11325), (170, 11328), (174, 11340), (177, 11349), (182, 11364), (194, 11394), (206, 11424), (Start: 211 @11439 has 1 MA's), (214, 11451), (215, 11454), (216, 11457), (230, 11481), (242, 11505), (249, 11523), (267, 11559), (270, 11565), (280, 11592), (282, 11595), (294, 11616), (315, 11634), (319, 11643), (331, 11670), (335, 11676), (367, 11739), (375, 11751), (406, 11793), (408, 11796), (410, 11799), (417, 11811), (441, 11850), (447, 11865), (458, 11886), (479, 11901), (489, 11916), (492, 11922), (521, 11994), (531, 12015), (532, 12018), (536, 12027), (554, 12075), (558, 12087), (561, 12096), (567, 12111), (569, 12117), (574, 12132),

Gene: P106A_15 Start: 11324, Stop: 12271, Start Num: 83

Candidate Starts for P106A_15:

(74, 11309), (Start: 79 @11315 has 1 MA's), (81, 11318), (Start: 83 @11324 has 44 MA's), (Start: 110 @11357 has 84 MA's), (126, 11375), (129, 11378), (149, 11408), (154, 11417), (165, 11444), (166, 11447), (168, 11450), (170, 11453), (174, 11465), (177, 11474), (194, 11519), (206, 11549), (Start: 211 @11564 has 1 MA's), (215, 11579), (216, 11582), (230, 11606), (242, 11630), (249, 11648), (270, 11690), (280, 11717), (315, 11759), (319, 11768), (331, 11795), (335, 11801), (367, 11864), (375, 11876), (406, 11918), (408, 11921), (410, 11924), (441, 11975), (447, 11990), (451, 11999), (479, 12026), (489, 12041), (492, 12047), (521, 12119), (522, 12122), (531, 12140), (532, 12143), (536, 12152), (554, 12200), (558, 12212), (561, 12221), (567, 12236), (569, 12242), (574, 12257),

Gene: P106C_15 Start: 11324, Stop: 12271, Start Num: 83

Candidate Starts for P106C_15:

(74, 11309), (Start: 79 @11315 has 1 MA's), (81, 11318), (Start: 83 @11324 has 44 MA's), (Start: 110 @11357 has 84 MA's), (126, 11375), (129, 11378), (149, 11408), (154, 11417), (165, 11444), (166, 11447), (168, 11450), (170, 11453), (174, 11465), (177, 11474), (194, 11519), (206, 11549), (Start: 211 @11564 has 1 MA's), (215, 11579), (216, 11582), (230, 11606), (242, 11630), (249, 11648), (270, 11690), (280, 11717), (315, 11759), (319, 11768), (331, 11795), (335, 11801), (367, 11864), (375, 11876), (406, 11918), (408, 11921), (410, 11924), (441, 11975), (447, 11990), (451, 11999), (479, 12026), (489, 12041), (492, 12047), (521, 12119), (522, 12122), (531, 12140), (532, 12143), (536, 12152), (554, 12200), (558, 12212), (561, 12221), (567, 12236), (569, 12242), (574, 12257),

Gene: P106I_15 Start: 11324, Stop: 12271, Start Num: 83

Candidate Starts for P106I_15:

(74, 11309), (Start: 79 @11315 has 1 MA's), (81, 11318), (Start: 83 @11324 has 44 MA's), (Start: 110 @11357 has 84 MA's), (126, 11375), (129, 11378), (149, 11408), (154, 11417), (165, 11444), (166, 11447), (168, 11450), (170, 11453), (174, 11465), (177, 11474), (194, 11519), (206, 11549), (Start: 211 @11564 has 1 MA's), (215, 11579), (216, 11582), (230, 11606), (242, 11630), (249, 11648), (270, 11690), (280, 11717), (315, 11759), (319, 11768), (331, 11795), (335, 11801), (367, 11864), (375, 11876), (406, 11918), (408, 11921), (410, 11924), (441, 11975), (447, 11990), (451, 11999), (479, 12026), (489, 12041), (492, 12047), (521, 12119), (522, 12122), (531, 12140), (532, 12143), (536, 12152), (554, 12200), (558, 12212), (561, 12221), (567, 12236), (569, 12242), (574, 12257),

Gene: P106L_15 Start: 11324, Stop: 12271, Start Num: 83

Candidate Starts for P106L_15:

(74, 11309), (Start: 79 @11315 has 1 MA's), (81, 11318), (Start: 83 @11324 has 44 MA's), (Start: 110 @11357 has 84 MA's), (126, 11375), (129, 11378), (149, 11408), (154, 11417), (165, 11444), (166, 11447), (168, 11450), (170, 11453), (174, 11465), (177, 11474), (194, 11519), (206, 11549), (Start: 211 @11564 has 1 MA's), (215, 11579), (216, 11582), (230, 11606), (242, 11630), (249, 11648), (270, 11690), (280, 11717), (315, 11759), (319, 11768), (331, 11795), (335, 11801), (367, 11864), (375, 11876), (406, 11918), (408, 11921), (410, 11924), (441, 11975), (447, 11990), (451, 11999), (479, 12026), (489, 12041), (492, 12047), (521, 12119), (522, 12122), (531, 12140), (532, 12143), (536, 12152), (554, 12200), (558, 12212), (561, 12221), (567, 12236), (569, 12242), (574, 12257),

Gene: P106M_15 Start: 11324, Stop: 12271, Start Num: 83

Candidate Starts for P106M_15:

(74, 11309), (Start: 79 @11315 has 1 MA's), (81, 11318), (Start: 83 @11324 has 44 MA's), (Start: 110 @11357 has 84 MA's), (126, 11375), (129, 11378), (149, 11408), (154, 11417), (165, 11444), (166, 11447), (168, 11450), (170, 11453), (174, 11465), (177, 11474), (194, 11519), (206, 11549), (Start: 211 @11564 has 1 MA's), (215, 11579), (216, 11582), (230, 11606), (242, 11630), (249, 11648), (270, 11690), (280, 11717), (315, 11759), (319, 11768), (331, 11795), (335, 11801), (367, 11864), (375, 11876), (406, 11918), (408, 11921), (410, 11924), (441, 11975), (447, 11990), (451, 11999), (479, 12026), (489, 12041), (492, 12047), (521, 12119), (522, 12122), (531, 12140), (532, 12143), (536, 12152), (554, 12200), (558, 12212), (561, 12221), (567, 12236), (569, 12242), (574, 12257),

Gene: P107A_15 Start: 11301, Stop: 12248, Start Num: 83

Candidate Starts for P107A_15:

(Start: 79 @11292 has 1 MA's), (Start: 83 @11301 has 44 MA's), (Start: 110 @11334 has 84 MA's), (126, 11352), (129, 11355), (135, 11361), (149, 11385), (154, 11394), (166, 11424), (168, 11427), (170, 11430), (174, 11442), (177, 11451), (206, 11526), (Start: 211 @11541 has 1 MA's), (213, 11547), (216, 11559), (242, 11607), (249, 11625), (262, 11652), (267, 11661), (270, 11667), (280, 11694), (329, 11769), (335, 11778), (367, 11841), (375, 11853), (406, 11895), (408, 11898), (410, 11901), (441, 11952), (447, 11967), (458, 11988), (479, 12003), (489, 12018), (492, 12024), (521, 12096), (522, 12099), (531, 12117), (532, 12120), (554, 12177), (558, 12189), (561, 12198), (567, 12213), (569, 12219), (574, 12234),

Gene: P107C_15 Start: 11283, Stop: 12224, Start Num: 83

Candidate Starts for P107C_15:

(74, 11268), (Start: 79 @11274 has 1 MA's), (81, 11277), (Start: 83 @11283 has 44 MA's), (Start: 110 @11316 has 84 MA's), (Start: 115 @11322 has 6 MA's), (126, 11334), (149, 11361), (154, 11370), (166, 11400), (168, 11403), (170, 11406), (174, 11418), (177, 11427), (182, 11442), (194, 11472), (206, 11502), (Start: 211 @11517 has 1 MA's), (215, 11532), (216, 11535), (242, 11583), (249, 11601), (267, 11637), (270, 11643), (280, 11670), (282, 11673), (294, 11694), (315, 11712), (319, 11721), (329, 11745), (335, 11754), (367, 11817), (375, 11829), (406, 11871), (408, 11874), (410, 11877), (447, 11943), (458, 11964), (479, 11979), (489, 11994), (492, 12000), (521, 12072), (522, 12075), (531, 12093), (532, 12096), (536, 12105), (554, 12153), (558, 12165), (561, 12174), (565, 12183),

(567, 12189), (569, 12195), (574, 12210),

Gene: P108C_15 Start: 11282, Stop: 12232, Start Num: 79

Candidate Starts for P108C_15:

(74, 11276), (Start: 79 @11282 has 1 MA's), (81, 11285), (Start: 83 @11291 has 44 MA's), (Start: 110 @11324 has 84 MA's), (126, 11342), (149, 11369), (154, 11378), (166, 11408), (168, 11411), (170, 11414), (174, 11426), (177, 11435), (182, 11450), (194, 11480), (206, 11510), (Start: 211 @11525 has 1 MA's), (213, 11531), (216, 11543), (242, 11591), (249, 11609), (267, 11645), (270, 11651), (280, 11678), (315, 11720), (319, 11729), (331, 11756), (335, 11762), (367, 11825), (375, 11837), (406, 11879), (408, 11882), (410, 11885), (432, 11918), (441, 11936), (447, 11951), (451, 11960), (479, 11987), (489, 12002), (492, 12008), (521, 12080), (522, 12083), (531, 12101), (532, 12104), (536, 12113), (554, 12161), (558, 12173), (561, 12182), (567, 12197), (569, 12203), (574, 12218),

Gene: P1201_46 Start: 33556, Stop: 34458, Start Num: 72

Candidate Starts for P1201_46:

(Start: 72 @33556 has 35 MA's), (161, 33685), (199, 33775), (204, 33784), (Start: 211 @33802 has 1 MA's), (328, 34015), (348, 34057), (411, 34132), (423, 34150), (426, 34153), (442, 34174), (515, 34246), (532, 34279), (558, 34327),

Gene: P14.4_15 Start: 11291, Stop: 12238, Start Num: 83

Candidate Starts for P14.4_15:

(74, 11276), (Start: 79 @11282 has 1 MA's), (Start: 83 @11291 has 44 MA's), (Start: 110 @11324 has 84 MA's), (126, 11342), (129, 11345), (135, 11351), (149, 11375), (154, 11384), (166, 11414), (168, 11417), (170, 11420), (174, 11432), (177, 11441), (194, 11486), (206, 11516), (Start: 211 @11531 has 1 MA's), (213, 11537), (214, 11543), (215, 11546), (242, 11597), (249, 11615), (262, 11642), (267, 11651), (270, 11657), (280, 11684), (282, 11687), (294, 11708), (319, 11735), (329, 11759), (335, 11768), (367, 11831), (375, 11843), (406, 11885), (408, 11888), (410, 11891), (441, 11942), (447, 11957), (458, 11978), (479, 11993), (489, 12008), (492, 12014), (521, 12086), (522, 12089), (531, 12107), (532, 12110), (536, 12119), (554, 12167), (558, 12179), (567, 12203), (569, 12209), (574, 12224),

Gene: P3MA_17 Start: 13196, Stop: 14293, Start Num: 46

Candidate Starts for P3MA_17:

(Start: 46 @13196 has 1 MA's), (Start: 84 @13280 has 6 MA's), (124, 13331), (161, 13391), (162, 13394), (172, 13409), (194, 13463), (224, 13547), (267, 13640), (271, 13649), (333, 13769), (351, 13811), (372, 13847), (401, 13874), (433, 13922), (461, 13940), (469, 13958), (476, 13970), (477, 13973), (498, 14003), (500, 14006), (502, 14012), (529, 14072), (558, 14162), (566, 14183), (575, 14207), (584, 14222), (599, 14255), (601, 14261), (610, 14285),

Gene: P9.1_15 Start: 11286, Stop: 12233, Start Num: 83

Candidate Starts for P9.1_15:

(74, 11271), (Start: 79 @11277 has 1 MA's), (81, 11280), (Start: 83 @11286 has 44 MA's), (Start: 110 @11319 has 84 MA's), (Start: 115 @11325 has 6 MA's), (126, 11337), (129, 11340), (135, 11346), (149, 11370), (166, 11409), (168, 11412), (170, 11415), (174, 11427), (177, 11436), (194, 11481), (206, 11511), (Start: 211 @11526 has 1 MA's), (213, 11532), (214, 11538), (215, 11541), (216, 11544), (242, 11592), (249, 11610), (262, 11637), (267, 11646), (280, 11679), (282, 11682), (294, 11703), (319, 11730), (331, 11757), (335, 11763), (367, 11826), (375, 11838), (406, 11880), (408, 11883), (410, 11886), (441, 11937), (447, 11952), (451, 11961), (479, 11988), (489, 12003), (492, 12009), (521, 12081), (522, 12084), (531, 12102), (532, 12105), (536, 12114), (554, 12162), (558, 12174), (561, 12183), (567, 12198), (569, 12204), (574, 12219),

Gene: PA6_15 Start: 11315, Stop: 12262, Start Num: 83

Candidate Starts for PA6_15:

(68, 11294), (Start: 79 @11306 has 1 MA's), (81, 11309), (Start: 83 @11315 has 44 MA's), (Start: 110 @11348 has 84 MA's), (Start: 115 @11354 has 6 MA's), (126, 11366), (135, 11375), (137, 11378), (149, 11399), (154, 11408), (166, 11438), (168, 11441), (170, 11444), (174, 11456), (179, 11471), (182, 11480), (194, 11510), (206, 11540), (Start: 211 @11555 has 1 MA's), (213, 11561), (214, 11567), (215, 11570), (216, 11573), (230, 11597), (242, 11621), (249, 11639), (262, 11666), (267, 11675), (270, 11681), (280, 11708), (282, 11711), (319, 11759), (331, 11786), (335, 11792), (367, 11855), (375, 11867), (406, 11909), (408, 11912), (417, 11927), (441, 11966), (447, 11981), (458, 12002), (479, 12017), (489, 12032), (492, 12038), (521, 12110), (522, 12113), (531, 12131), (532, 12134), (536, 12143), (554, 12191), (558, 12203), (561, 12212), (567, 12227), (569, 12233), (574, 12248),

Gene: PAD20_15 Start: 11289, Stop: 12230, Start Num: 83

Candidate Starts for PAD20_15:

(74, 11274), (Start: 79 @11280 has 1 MA's), (81, 11283), (Start: 83 @11289 has 44 MA's), (Start: 110 @11322 has 84 MA's), (Start: 115 @11328 has 6 MA's), (126, 11340), (149, 11367), (154, 11376), (166, 11406), (168, 11409), (170, 11412), (174, 11424), (182, 11448), (194, 11478), (206, 11508), (Start: 211 @11523 has 1 MA's), (214, 11535), (215, 11538), (216, 11541), (230, 11565), (242, 11589), (249, 11607), (262, 11634), (267, 11643), (270, 11649), (280, 11676), (294, 11700), (319, 11727), (331, 11754), (335, 11760), (367, 11823), (375, 11835), (406, 11877), (408, 11880), (410, 11883), (441, 11934), (447, 11949), (458, 11970), (479, 11985), (492, 12006), (521, 12078), (522, 12081), (531, 12099), (532, 12102), (536, 12111), (554, 12159), (558, 12171), (567, 12195), (569, 12201), (574, 12216),

Gene: PAS50_15 Start: 11298, Stop: 12239, Start Num: 83

Candidate Starts for PAS50_15:

(Start: 79 @11289 has 1 MA's), (Start: 83 @11298 has 44 MA's), (Start: 110 @11331 has 84 MA's), (126, 11349), (149, 11376), (154, 11385), (165, 11412), (166, 11415), (168, 11418), (170, 11421), (174, 11433), (177, 11442), (182, 11457), (194, 11487), (206, 11517), (Start: 211 @11532 has 1 MA's), (216, 11550), (227, 11565), (230, 11574), (242, 11598), (249, 11616), (270, 11658), (280, 11685), (315, 11727), (319, 11736), (331, 11763), (335, 11769), (367, 11832), (375, 11844), (406, 11886), (408, 11889), (410, 11892), (432, 11925), (441, 11943), (447, 11958), (451, 11967), (479, 11994), (489, 12009), (492, 12015), (521, 12087), (522, 12090), (531, 12108), (532, 12111), (536, 12120), (554, 12168), (558, 12180), (561, 12189), (567, 12204), (569, 12210), (574, 12225),

Gene: PCoral7_18 Start: 15883, Stop: 16743, Start Num: 70

Candidate Starts for PCoral7_18:

(Start: 70 @15883 has 25 MA's), (Start: 93 @15898 has 8 MA's), (121, 15928), (138, 15949), (183, 16039), (213, 16120), (333, 16324), (334, 16327), (494, 16522), (538, 16612), (553, 16654), (570, 16702), (572, 16708),

Gene: PHL010M04_15 Start: 11286, Stop: 12233, Start Num: 83

Candidate Starts for PHL010M04_15:

(74, 11271), (Start: 79 @11277 has 1 MA's), (81, 11280), (Start: 83 @11286 has 44 MA's), (Start: 110 @11319 has 84 MA's), (126, 11337), (129, 11340), (135, 11346), (149, 11370), (154, 11379), (166, 11409), (168, 11412), (170, 11415), (174, 11427), (177, 11436), (182, 11451), (194, 11481), (206, 11511), (Start: 211 @11526 has 1 MA's), (213, 11532), (215, 11541), (242, 11592), (249, 11610), (262, 11637), (267, 11646), (270, 11652), (280, 11679), (294, 11703), (319, 11730), (329, 11754), (335, 11763), (367, 11826), (375, 11838), (406, 11880), (408, 11883), (410, 11886), (441, 11937), (447, 11952), (458, 11973), (479, 11988), (489, 12003), (492, 12009), (521, 12081), (522, 12084), (531, 12102), (532, 12105), (536, 12114), (554, 12162), (558, 12174), (561, 12183), (567, 12198), (569, 12204), (574, 12219),

Gene: PHL037M02_15 Start: 11301, Stop: 12242, Start Num: 83

Candidate Starts for PHL037M02_15:

(71, 11283), (Start: 83 @11301 has 44 MA's), (Start: 110 @11334 has 84 MA's), (Start: 115 @11340 has 6 MA's), (126, 11352), (149, 11379), (154, 11388), (165, 11415), (166, 11418), (168, 11421), (170, 11424), (174, 11436), (177, 11445), (194, 11490), (206, 11520), (Start: 211 @11535 has 1 MA's), (213, 11541), (214, 11547), (215, 11550), (216, 11553), (230, 11577), (242, 11601), (249, 11619), (270, 11661), (280, 11688), (282, 11691), (294, 11712), (329, 11763), (335, 11772), (367, 11835), (375, 11847), (406, 11889), (408, 11892), (410, 11895), (441, 11946), (447, 11961), (458, 11982), (479, 11997), (489, 12012), (492, 12018), (521, 12090), (522, 12093), (531, 12111), (532, 12114), (554, 12171), (558, 12183), (561, 12192), (567, 12207), (569, 12213), (574, 12228),

Gene: PHL060L00_15 Start: 11302, Stop: 12249, Start Num: 83

Candidate Starts for PHL060L00_15:

(74, 11287), (Start: 79 @11293 has 1 MA's), (Start: 83 @11302 has 44 MA's), (Start: 110 @11335 has 84 MA's), (126, 11353), (129, 11356), (135, 11362), (149, 11386), (154, 11395), (166, 11425), (168, 11428), (170, 11431), (174, 11443), (177, 11452), (179, 11458), (182, 11467), (194, 11497), (206, 11527), (Start: 211 @11542 has 1 MA's), (216, 11560), (242, 11608), (249, 11626), (270, 11668), (280, 11695), (294, 11719), (319, 11746), (331, 11773), (335, 11779), (367, 11842), (406, 11896), (408, 11899), (410, 11902), (432, 11935), (441, 11953), (447, 11968), (458, 11989), (479, 12004), (489, 12019), (492, 12025), (521, 12097), (522, 12100), (531, 12118), (532, 12121), (554, 12178), (558, 12190), (561, 12199), (567, 12214), (569, 12220), (574, 12235),

Gene: PHL067M10_15 Start: 11269, Stop: 12210, Start Num: 83

Candidate Starts for PHL067M10_15:

(74, 11254), (Start: 79 @11260 has 1 MA's), (81, 11263), (Start: 83 @11269 has 44 MA's), (Start: 110 @11302 has 84 MA's), (126, 11320), (141, 11338), (149, 11347), (154, 11356), (166, 11386), (168, 11389), (170, 11392), (174, 11404), (177, 11413), (182, 11428), (194, 11458), (206, 11488), (Start: 211 @11503 has 1 MA's), (214, 11515), (215, 11518), (216, 11521), (230, 11545), (242, 11569), (249, 11587), (267, 11623), (270, 11629), (280, 11656), (282, 11659), (294, 11680), (319, 11707), (331, 11734), (335, 11740), (367, 11803), (375, 11815), (406, 11857), (408, 11860), (410, 11863), (441, 11914), (447, 11929), (458, 11950), (479, 11965), (489, 11980), (492, 11986), (521, 12058), (522, 12061), (531, 12079), (532, 12082), (536, 12091), (554, 12139), (558, 12151), (561, 12160), (567, 12175), (569, 12181), (574, 12196),

Gene: PHL071N05_15 Start: 11297, Stop: 12238, Start Num: 83

Candidate Starts for PHL071N05_15:

(74, 11282), (Start: 79 @11288 has 1 MA's), (Start: 83 @11297 has 44 MA's), (Start: 110 @11330 has 84 MA's), (Start: 115 @11336 has 6 MA's), (126, 11348), (149, 11375), (154, 11384), (166, 11414), (168, 11417), (170, 11420), (174, 11432), (177, 11441), (182, 11456), (194, 11486), (206, 11516), (Start: 211 @11531 has 1 MA's), (216, 11549), (242, 11597), (249, 11615), (267, 11651), (270, 11657), (280, 11684), (306, 11717), (331, 11762), (335, 11768), (367, 11831), (375, 11843), (406, 11885), (408, 11888), (410, 11891), (447, 11957), (458, 11978), (479, 11993), (489, 12008), (492, 12014), (521, 12086), (522, 12089), (531, 12107), (532, 12110), (536, 12119), (554, 12167), (558, 12179), (561, 12188), (567, 12203), (569, 12209), (574, 12224),

Gene: PHL111M01_15 Start: 11287, Stop: 12234, Start Num: 83

Candidate Starts for PHL111M01_15:

(Start: 79 @11278 has 1 MA's), (81, 11281), (Start: 83 @11287 has 44 MA's), (Start: 110 @11320 has 84 MA's), (126, 11338), (129, 11341), (135, 11347), (149, 11371), (154, 11380), (166, 11410), (168, 11413), (170, 11416), (174, 11428), (182, 11452), (194, 11482), (206, 11512), (Start: 211 @11527 has 1 MA's), (214, 11539), (215, 11542), (216, 11545), (242, 11593), (249, 11611), (267, 11647), (270, 11653), (280, 11680), (319, 11731), (329, 11755), (335, 11764), (367, 11827), (375, 11839), (406, 11881), (408, 11884), (410, 11887), (441, 11938), (447, 11953), (458, 11974), (479, 11989), (489, 12004), (492, 12010), (521, 12082), (522, 12085), (531, 12103), (532, 12106), (536, 12115), (554, 12163), (558, 12175), (561, 12184), (567, 12199), (569, 12205), (574, 12220),

Gene: PHL112N00_15 Start: 11284, Stop: 12231, Start Num: 83

Candidate Starts for PHL112N00_15:

(Start: 79 @11275 has 1 MA's), (Start: 83 @11284 has 44 MA's), (Start: 110 @11317 has 84 MA's), (Start: 115 @11323 has 6 MA's), (126, 11335), (135, 11344), (154, 11377), (166, 11407), (168, 11410), (170, 11413), (174, 11425), (177, 11434), (182, 11449), (194, 11479), (206, 11509), (Start: 211 @11524 has 1 MA's), (214, 11536), (215, 11539), (216, 11542), (242, 11590), (249, 11608), (267, 11644), (270, 11650), (280, 11677), (282, 11680), (319, 11728), (331, 11755), (335, 11761), (367, 11824), (406, 11878), (408, 11881), (410, 11884), (432, 11917), (441, 11935), (447, 11950), (458, 11971), (479, 11986), (489, 12001), (492, 12007), (521, 12079), (522, 12082), (531, 12100), (532, 12103), (536, 12112), (554, 12160), (558, 12172), (561, 12181), (567, 12196), (569, 12202), (574, 12217),

Gene: PHL113M01_15 Start: 11311, Stop: 12252, Start Num: 83

Candidate Starts for PHL113M01_15:

(74, 11296), (Start: 79 @11302 has 1 MA's), (Start: 83 @11311 has 44 MA's), (Start: 110 @11344 has 84 MA's), (126, 11362), (149, 11389), (154, 11398), (165, 11425), (166, 11428), (168, 11431), (170, 11434), (174, 11446), (177, 11455), (182, 11470), (194, 11500), (206, 11530), (Start: 211 @11545 has 1 MA's), (214, 11557), (227, 11578), (230, 11587), (242, 11611), (249, 11629), (267, 11665), (270, 11671), (280, 11698), (315, 11740), (319, 11749), (331, 11776), (335, 11782), (367, 11845), (375, 11857), (406, 11899), (408, 11902), (410, 11905), (441, 11956), (447, 11971), (458, 11992), (479, 12007), (489, 12022), (492, 12028), (521, 12100), (522, 12103), (531, 12121), (532, 12124), (536, 12133), (554, 12181), (558, 12193), (561, 12202), (567, 12217), (569, 12223), (574, 12238),

Gene: PHL114L00_15 Start: 11289, Stop: 12236, Start Num: 83

Candidate Starts for PHL114L00_15:

(Start: 79 @11280 has 1 MA's), (Start: 83 @11289 has 44 MA's), (Start: 110 @11322 has 84 MA's), (126, 11340), (129, 11343), (135, 11349), (149, 11373), (154, 11382), (166, 11412), (168, 11415), (170, 11418), (174, 11430), (182, 11454), (194, 11484), (206, 11514), (Start: 211 @11529 has 1 MA's), (214, 11541), (215, 11544), (216, 11547), (230, 11571), (242, 11595), (249, 11613), (262, 11640), (267, 11649), (280, 11682), (282, 11685), (294, 11706), (319, 11733), (331, 11760), (335, 11766), (367, 11829), (375, 11841), (406, 11883), (408, 11886), (410, 11889), (441, 11940), (447, 11955), (458, 11976), (479, 11991), (489, 12006), (492, 12012), (521, 12084), (522, 12087), (531, 12105), (532, 12108), (554, 12165), (558, 12177), (561, 12186), (567, 12201), (569, 12207), (574, 12222),

Gene: PP_36 Start: 24810, Stop: 25829, Start Num: 103

Candidate Starts for PP_36:

(Start: 103 @24810 has 86 MA's), (161, 24888), (174, 24909), (188, 24942), (199, 24981), (212, 25011), (287, 25158), (311, 25188), (331, 25230), (426, 25404), (442, 25434), (511, 25584), (543, 25647), (554, 25674), (558, 25686), (568, 25710),

Gene: PSonyx_16 Start: 16641, Stop: 17522, Start Num: 97

Candidate Starts for PSonyx_16:

(Start: 97 @16641 has 2 MA's), (251, 16932), (258, 16944), (270, 16968), (321, 17052), (335, 17079), (345, 17103), (357, 17127), (374, 17148), (401, 17166), (429, 17196), (503, 17283), (513, 17310), (568, 17430), (573, 17445), (601, 17484),

Gene: PYPDinur_17 Start: 15692, Stop: 16579, Start Num: 103

Candidate Starts for PYPDinur_17:

(Start: 103 @15692 has 86 MA's), (125, 15716), (145, 15743), (147, 15746), (155, 15761), (174, 15794), (212, 15890), (287, 16025), (292, 16034), (329, 16094), (331, 16097), (376, 16175), (401, 16190), (425, 16214), (450, 16247), (486, 16283), (497, 16307), (503, 16325), (505, 16334), (527, 16376), (538, 16403), (558, 16451), (571, 16478), (614, 16562),

Gene: Pace1224_17 Start: 15628, Stop: 16848, Start Num: 25

Candidate Starts for Pace1224_17:

(5, 15304), (Start: 25 @15628 has 1 MA's), (Start: 31 @15664 has 231 MA's), (Start: 67 @15790 has 6 MA's), (124, 15850), (140, 15874), (162, 15916), (163, 15919), (180, 15949), (208, 16021), (215, 16045), (221, 16060), (222, 16066), (236, 16105), (240, 16111), (319, 16255), (326, 16273), (335, 16294), (338, 16300), (348, 16324), (368, 16360), (476, 16525), (500, 16567), (502, 16573), (568, 16744), (599, 16810),

Gene: PackMan_28 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for PackMan_28:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: Padfoot_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Padfoot_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Padpat_22 Start: 16011, Stop: 17147, Start Num: 31

Candidate Starts for Padpat_22:

(Start: 31 @16011 has 231 MA's), (Start: 67 @16128 has 6 MA's), (140, 16218), (154, 16239), (162, 16260), (178, 16287), (293, 16542), (334, 16623), (372, 16698), (390, 16713), (476, 16824), (500, 16866), (539, 16959), (547, 16983), (584, 17076), (601, 17115), (608, 17133),

Gene: PainterBoy_28 Start: 19862, Stop: 20878, Start Num: 106

Candidate Starts for PainterBoy_28:

(Start: 106 @19862 has 240 MA's), (Start: 122 @19880 has 2 MA's), (173, 19955), (199, 20030), (233, 20093), (311, 20237), (329, 20276), (331, 20279), (377, 20366), (505, 20618), (511, 20633), (531, 20669), (558, 20735), (566, 20753), (568, 20759),

Gene: Paito_17 Start: 15610, Stop: 16782, Start Num: 31

Candidate Starts for Paito_17:

(Start: 31 @15610 has 231 MA's), (Start: 67 @15730 has 6 MA's), (Start: 84 @15748 has 6 MA's), (124, 15799), (140, 15823), (161, 15862), (177, 15889), (207, 15967), (208, 15970), (214, 15991), (240, 16045), (278, 16120), (333, 16222), (338, 16234), (461, 16429), (476, 16459), (491, 16477), (534, 16579), (599, 16744),

Gene: Paola_20 Start: 16323, Stop: 17453, Start Num: 37

Candidate Starts for Paola_20:

(Start: 37 @16323 has 23 MA's), (161, 16563), (162, 16566), (178, 16593), (214, 16692), (261, 16794), (293, 16848), (311, 16878), (328, 16914), (329, 16917), (333, 16926), (370, 17001), (372, 17004), (433, 17082), (461, 17100), (465, 17106), (476, 17130), (477, 17133), (480, 17139), (500, 17172), (584, 17382), (601, 17421), (608, 17439),

Gene: Parada_21 Start: 16293, Stop: 17354, Start Num: 60

Candidate Starts for Parada_21:

(Start: 60 @16293 has 18 MA's), (Start: 99 @16338 has 6 MA's), (124, 16368), (188, 16476), (245, 16626), (266, 16674), (310, 16758), (316, 16767), (335, 16809), (448, 16986), (468, 17019), (491, 17055), (567, 17250), (600, 17322), (601, 17325),

Gene: Paries_36 Start: 30450, Stop: 31406, Start Num: 85

Candidate Starts for Paries_36:

(Start: 85 @30450 has 58 MA's), (194, 30636), (197, 30648), (209, 30675), (215, 30696), (255, 30756), (317, 30843), (319, 30846), (336, 30882), (352, 30915), (360, 30930), (367, 30942), (392, 30972), (396, 30978), (438, 31038), (500, 31128), (541, 31218), (552, 31242), (556, 31254), (584, 31320), (602, 31359), (606, 31371),

Gene: Partridge_22 Start: 15513, Stop: 16385, Start Num: 114

Candidate Starts for Partridge_22:

(Start: 114 @15513 has 85 MA's), (140, 15552), (186, 15639), (Start: 211 @15708 has 1 MA's), (254, 15786), (331, 15924), (521, 16149), (530, 16167), (558, 16236), (615, 16374),

Gene: Patio_43 Start: 29772, Stop: 30689, Start Num: 87

Candidate Starts for Patio_43:

(Start: 87 @29772 has 26 MA's), (150, 29850), (188, 29925), (240, 30033), (278, 30117), (398, 30297), (401, 30303), (535, 30519), (558, 30558), (592, 30633), (597, 30645), (600, 30654), (608, 30675),

Gene: PatriciaStar_17 Start: 15906, Stop: 16853, Start Num: 106

Candidate Starts for PatriciaStar_17:

(Start: 106 @15906 has 240 MA's), (208, 16101), (252, 16182), (259, 16194), (299, 16266), (313, 16272), (320, 16287), (353, 16347), (371, 16377), (375, 16383), (424, 16446), (438, 16470), (439, 16473), (460, 16512), (496, 16554), (504, 16581), (527, 16623), (558, 16692), (559, 16695), (564, 16707), (587, 16758), (600, 16782), (618, 16833), (620, 16836),

Gene: Patt_23 Start: 17231, Stop: 18364, Start Num: 31

Candidate Starts for Patt_23:

(Start: 31 @17231 has 231 MA's), (38, 17249), (54, 17321), (Start: 67 @17351 has 6 MA's), (140, 17441), (147, 17450), (162, 17483), (177, 17507), (215, 17612), (293, 17765), (331, 17834), (333, 17840), (433, 17993), (461, 18011), (476, 18041), (500, 18083), (501, 18086), (575, 18278), (584, 18293), (601, 18332), (608, 18350),

Gene: Peanam_22 Start: 15375, Stop: 16514, Start Num: 31

Candidate Starts for Peanam_22:

(Start: 31 @15375 has 231 MA's), (Start: 67 @15495 has 6 MA's), (140, 15585), (178, 15654), (214, 15753), (215, 15756), (261, 15855), (293, 15909), (334, 15990), (372, 16065), (390, 16080), (465, 16167), (476, 16191), (500, 16233), (501, 16236), (522, 16287), (539, 16326), (568, 16410), (575, 16428), (584, 16443), (601, 16482), (608, 16500),

Gene: Peeb_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Peeb_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Peel_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Peel_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: PegLeg_27 Start: 21456, Stop: 22367, Start Num: 96

Candidate Starts for PegLeg_27:

(Start: 96 @21456 has 21 MA's), (167, 21558), (177, 21576), (183, 21591), (212, 21663), (214, 21672), (260, 21750), (328, 21885), (329, 21888), (331, 21891), (368, 21960), (411, 22002), (425, 22008), (515, 22149), (527, 22170), (532, 22182), (596, 22305), (601, 22317),

Gene: Pemberton_44 Start: 26958, Stop: 27878, Start Num: 92

Candidate Starts for Pemberton_44:

(Start: 92 @26958 has 11 MA's), (150, 27039), (174, 27084), (199, 27153), (287, 27321), (336, 27405), (361, 27456), (401, 27489), (527, 27687), (535, 27705), (558, 27747), (598, 27837), (600, 27843), (608, 27864),

Gene: Periodt_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Periodt_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Periwinkle_21 Start: 15973, Stop: 16896, Start Num: 112

Candidate Starts for Periwinkle_21:

(Start: 112 @15973 has 15 MA's), (Start: 117 @15976 has 6 MA's), (125, 15988), (139, 16006), (163, 16051), (183, 16090), (197, 16129), (Start: 211 @16162 has 1 MA's), (213, 16168), (252, 16237), (281, 16291), (283, 16294), (286, 16297), (293, 16309), (317, 16333), (320, 16339), (328, 16357), (360, 16411), (367, 16423), (371, 16429), (388, 16450), (421, 16495), (424, 16498), (435, 16516), (438, 16522), (443, 16537), (445, 16540), (539, 16693), (540, 16696), (543, 16702), (558, 16735), (566, 16753), (579, 16786), (603, 16837), (609, 16852), (622, 16888),

Gene: Petersenfast_26 Start: 19733, Stop: 20755, Start Num: 106

Candidate Starts for Petersenfast_26:

(Start: 106 @19733 has 240 MA's), (147, 19790), (183, 19865), (242, 19994), (270, 20054), (304, 20114), (311, 20120), (331, 20162), (353, 20207), (355, 20213), (401, 20297), (426, 20330), (558, 20612), (561, 20621), (568, 20636), (600, 20702),

Gene: PeteyPab_32 Start: 28461, Stop: 29327, Start Num: 72

Candidate Starts for PeteyPab_32:

(Start: 72 @28461 has 35 MA's), (88, 28485), (128, 28530), (161, 28590), (181, 28629), (216, 28725), (313, 28887), (328, 28920), (398, 28995), (411, 29019), (537, 29160), (558, 29196), (569, 29223), (596, 29280),

Gene: Petra_20 Start: 16194, Stop: 17054, Start Num: 73

Candidate Starts for Petra_20:

(Start: 67 @16188 has 6 MA's), (Start: 73 @16194 has 29 MA's), (164, 16311), (183, 16350), (213, 16431), (275, 16530), (334, 16638), (398, 16722), (461, 16788), (465, 16794), (538, 16923), (553, 16965),

Gene: PetterN_24 Start: 17936, Stop: 18949, Start Num: 114

Candidate Starts for PetterN_24:

(Start: 114 @17936 has 85 MA's), (186, 18065), (188, 18068), (199, 18107), (282, 18272), (304, 18302), (311, 18308), (320, 18326), (331, 18350), (351, 18392), (558, 18806), (600, 18896),

Gene: Ph8s_28 Start: 17912, Stop: 18922, Start Num: 106

Candidate Starts for Ph8s_28:

(Start: 106 @17912 has 240 MA's), (161, 17987), (173, 18005), (188, 18041), (311, 18287), (329, 18326), (331, 18329), (401, 18464), (455, 18557), (473, 18590), (531, 18713), (544, 18743), (558, 18779), (568, 18803),

Gene: Phabuloso_19 Start: 15505, Stop: 16425, Start Num: 117

Candidate Starts for Phabuloso_19:

(Start: 112 @15502 has 15 MA's), (Start: 117 @15505 has 6 MA's), (125, 15517), (139, 15535), (163, 15580), (183, 15619), (197, 15658), (Start: 211 @15691 has 1 MA's), (213, 15697), (252, 15766), (281, 15820), (283, 15823), (286, 15826), (293, 15838), (315, 15856), (317, 15862), (320, 15868), (328, 15886), (360, 15940), (367, 15952), (371, 15958), (388, 15979), (424, 16027), (435, 16045), (438, 16051), (443, 16066), (445, 16069), (539, 16222), (540, 16225), (543, 16231), (558, 16264), (566, 16282), (579, 16315), (603, 16366), (609, 16381), (622, 16417),

Gene: Phaded_30 Start: 21122, Stop: 22138, Start Num: 106

Candidate Starts for Phaded_30:

(Start: 106 @21122 has 240 MA's), (161, 21197), (173, 21215), (199, 21290), (270, 21431), (282, 21461), (311, 21497), (331, 21539), (379, 21629), (393, 21665), (401, 21680), (473, 21806), (511, 21893), (558, 21995), (568, 22019),

Gene: Phaeder_28 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for Phaeder_28:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: PhailMary_21 Start: 15802, Stop: 16674, Start Num: 114

Candidate Starts for PhailMary_21:

(Start: 114 @15802 has 85 MA's), (140, 15841), (186, 15928), (Start: 211 @15997 has 1 MA's), (254, 16075), (267, 16102), (331, 16213), (409, 16309), (521, 16438), (530, 16456), (558, 16525), (615, 16663),

Gene: Pharaoh_27 Start: 20243, Stop: 21259, Start Num: 106

Candidate Starts for Pharaoh_27:

(45, 20123), (Start: 106 @20243 has 240 MA's), (173, 20336), (188, 20372), (199, 20411), (206, 20423), (247, 20507), (304, 20612), (311, 20618), (329, 20657), (331, 20660), (385, 20768), (393, 20786), (506, 21002), (558, 21116),

Gene: Pharb_21 Start: 16291, Stop: 17427, Start Num: 31

Candidate Starts for Pharb_21:

(Start: 31 @16291 has 231 MA's), (Start: 67 @16414 has 6 MA's), (Start: 84 @16432 has 6 MA's), (121, 16477), (124, 16483), (147, 16513), (162, 16546), (208, 16651), (214, 16672), (216, 16678), (244, 16735), (261, 16774), (278, 16804), (328, 16891), (342, 16927), (461, 17074), (476, 17104), (480, 17113), (500, 17146), (501, 17149), (502, 17152), (529, 17212), (539, 17239), (569, 17326), (597, 17383), (599, 17389), (601, 17395),

Gene: Phauci_25 Start: 24740, Stop: 25726, Start Num: 72

Candidate Starts for Phauci_25:

(Start: 72 @24740 has 35 MA's), (161, 24863), (180, 24899), (202, 24959), (254, 25055), (317, 25166), (326, 25187), (379, 25289), (407, 25325), (530, 25541), (532, 25547), (538, 25562), (543, 25577), (556, 25613), (569, 25646), (570, 25649), (600, 25715),

Gene: PhelpsODU_21 Start: 15233, Stop: 16372, Start Num: 31

Candidate Starts for PhelpsODU_21:

(Start: 31 @15233 has 231 MA's), (Start: 67 @15353 has 6 MA's), (140, 15443), (178, 15512), (261, 15713), (293, 15767), (311, 15797), (390, 15938), (431, 15998), (461, 16019), (476, 16049), (500, 16091), (501, 16094), (502, 16097), (539, 16184), (547, 16208), (575, 16286), (584, 16301), (601, 16340), (608, 16358),

Gene: Phendrix_86 Start: 51239, Stop: 52195, Start Num: 66

Candidate Starts for Phendrix_86:

(Start: 66 @51239 has 2 MA's), (Start: 103 @51278 has 86 MA's), (167, 51383), (178, 51404), (196, 51455), (198, 51461), (Start: 211 @51494 has 1 MA's), (313, 51662), (326, 51692), (436, 51872), (466, 51926), (482, 51947), (501, 51986), (502, 51989), (510, 52016), (512, 52019), (516, 52025), (532, 52052), (540, 52070), (554, 52109), (571, 52154), (573, 52160), (574, 52163),

Gene: Phillis_23 Start: 17609, Stop: 18631, Start Num: 114

Candidate Starts for Phillis_23:

(Start: 114 @17609 has 85 MA's), (183, 17732), (186, 17738), (212, 17810), (270, 17915), (280, 17942), (331, 18032), (393, 18152), (440, 18233), (454, 18263), (455, 18266), (554, 18476), (569, 18515), (592, 18563), (600, 18578),

Gene: Phinally_32 Start: 28148, Stop: 29134, Start Num: 72

Candidate Starts for Phinally_32:

(Start: 72 @28148 has 35 MA's), (161, 28271), (180, 28307), (202, 28367), (254, 28463), (317, 28574), (326, 28595), (379, 28697), (399, 28718), (407, 28733), (445, 28790), (478, 28841), (530, 28949), (532, 28955), (538, 28970), (544, 28988), (556, 29021), (569, 29054), (570, 29057), (600, 29123),

Gene: PhinkBoden_47 Start: 29095, Stop: 29976, Start Num: 76

Candidate Starts for PhinkBoden_47:

(Start: 76 @29095 has 13 MA's), (119, 29143), (140, 29170), (179, 29242), (205, 29308), (214, 29338), (279, 29446), (333, 29539), (343, 29563), (350, 29578), (433, 29674), (476, 29722), (558, 29902), (571, 29938),

Gene: Phish_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Phish_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Phishy_21 Start: 17919, Stop: 18779, Start Num: 73

Candidate Starts for Phishy_21:

(Start: 73 @17919 has 29 MA's), (Start: 83 @17925 has 44 MA's), (Start: 112 @17961 has 15 MA's), (Start: 118 @17964 has 5 MA's), (177, 18063), (203, 18132), (209, 18147), (213, 18159), (273, 18255), (275, 18258), (277, 18267), (285, 18279), (293, 18294), (361, 18423), (474, 18543), (494, 18564), (554, 18705),

Gene: Phistory_20 Start: 16280, Stop: 17203, Start Num: 112

Candidate Starts for Phistory_20:

(Start: 112 @16280 has 15 MA's), (Start: 117 @16283 has 6 MA's), (125, 16295), (139, 16313), (163, 16358), (183, 16397), (197, 16436), (Start: 211 @16469 has 1 MA's), (213, 16475), (252, 16544), (281, 16598), (283, 16601), (286, 16604), (293, 16616), (320, 16646), (328, 16664), (360, 16718), (367, 16730), (371, 16736), (388, 16757), (424, 16805), (435, 16823), (438, 16829), (443, 16844), (445, 16847), (539, 17000), (540, 17003), (543, 17009), (558, 17042), (566, 17060), (579, 17093), (603, 17144), (609, 17159), (622, 17195),

Gene: Phlei_22 Start: 20737, Stop: 21756, Start Num: 106

Candidate Starts for Phlei_22:

(Start: 106 @20737 has 240 MA's), (173, 20833), (214, 20947), (287, 21085), (304, 21109), (311, 21115), (331, 21157), (351, 21199), (357, 21211), (379, 21247), (401, 21298), (426, 21331), (445, 21370), (561, 21622), (568, 21637), (600, 21703),

Gene: Phloodle_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Phloodle_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Phlop_30 Start: 25004, Stop: 25948, Start Num: 91

Candidate Starts for Phlop_30:

(Start: 91 @25004 has 34 MA's), (161, 25109), (192, 25178), (194, 25184), (202, 25208), (209, 25223), (438, 25583), (443, 25598), (456, 25616), (522, 25718), (541, 25760), (556, 25796), (598, 25892), (617, 25943),

Gene: Phlorence_23 Start: 18754, Stop: 19767, Start Num: 114

Candidate Starts for Phlorence_23:

(Start: 114 @18754 has 85 MA's), (173, 18850), (186, 18883), (188, 18886), (199, 18925), (217, 18973), (311, 19126), (320, 19144), (331, 19168), (351, 19210), (511, 19522), (558, 19624), (569, 19651), (600, 19714),

Gene: Phomeo_39 Start: 29529, Stop: 30470, Start Num: 87

Candidate Starts for Phomeo_39:

(Start: 87 @29529 has 26 MA's), (150, 29616), (188, 29691), (Start: 211 @29757 has 1 MA's), (240, 29799), (267, 29856), (401, 30069), (415, 30096), (500, 30207), (558, 30339), (600, 30435),

Gene: Phonnegut_28 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for Phonnegut_28:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: Phrank_21 Start: 15187, Stop: 16326, Start Num: 31

Candidate Starts for Phrank_21:

(Start: 31 @15187 has 231 MA's), (Start: 67 @15307 has 6 MA's), (140, 15397), (178, 15466), (261, 15667), (390, 15892), (431, 15952), (461, 15973), (500, 16045), (501, 16048), (502, 16051), (539, 16138), (547, 16162), (575, 16240), (584, 16255), (601, 16294), (608, 16312),

Gene: Phrankenstien_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Phrankenstien_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Phreak_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Phreak_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: PhrostedPhlake_19 Start: 16169, Stop: 17029, Start Num: 73

Candidate Starts for PhrostedPhlake_19:

(Start: 67 @16163 has 6 MA's), (Start: 73 @16169 has 29 MA's), (183, 16325), (213, 16406), (275, 16505), (334, 16613), (398, 16697), (461, 16763), (465, 16769), (538, 16898), (547, 16925), (553, 16940),

Gene: Piatt_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Piatt_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: PickleBack_23 Start: 18468, Stop: 19481, Start Num: 114

Candidate Starts for PickleBack_23:

(Start: 114 @18468 has 85 MA's), (173, 18564), (186, 18597), (188, 18600), (199, 18639), (217, 18687), (311, 18840), (320, 18858), (331, 18882), (351, 18924), (511, 19236), (558, 19338), (569, 19365), (600, 19428),

Gene: Pimento_22 Start: 15990, Stop: 17051, Start Num: 60

Candidate Starts for Pimento_22:

(Start: 60 @15990 has 18 MA's), (Start: 99 @16035 has 6 MA's), (124, 16065), (188, 16173), (245, 16323), (266, 16371), (310, 16455), (316, 16464), (335, 16506), (448, 16683), (491, 16752), (567, 16947), (600, 17019), (601, 17022),

Gene: PinkCoffee_32 Start: 25643, Stop: 26587, Start Num: 91

Candidate Starts for PinkCoffee_32:

(Start: 91 @25643 has 34 MA's), (161, 25748), (192, 25817), (194, 25823), (202, 25847), (209, 25862), (438, 26222), (443, 26237), (456, 26255), (522, 26357), (541, 26399), (556, 26435), (598, 26531), (617, 26582),

Gene: PinkYoshi_17 Start: 15468, Stop: 16640, Start Num: 31

Candidate Starts for PinkYoshi_17:

(5, 15135), (Start: 31 @15468 has 231 MA's), (Start: 67 @15588 has 6 MA's), (Start: 84 @15606 has 6 MA's), (121, 15651), (124, 15657), (161, 15720), (180, 15756), (207, 15825), (208, 15828), (214, 15849), (240, 15903), (261, 15948), (278, 15978), (333, 16080), (338, 16092), (342, 16104), (351, 16122), (461, 16287), (476, 16317), (491, 16335), (500, 16359), (548, 16479), (584, 16569), (599, 16602),

Gene: Pinnie_18 Start: 16180, Stop: 17358, Start Num: 31

Candidate Starts for Pinnie_18:

(Start: 31 @16180 has 231 MA's), (Start: 84 @16324 has 6 MA's), (124, 16375), (162, 16441), (163, 16444), (180, 16474), (208, 16546), (236, 16615), (240, 16621), (314, 16756), (338, 16810), (368, 16870), (445, 16978), (476, 17035), (500, 17077), (567, 17251), (568, 17254), (599, 17320),

Gene: Pioneer_28 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for Pioneer_28:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: Pipp_18 Start: 15781, Stop: 16647, Start Num: 67

Candidate Starts for Pipp_18:

(Start: 67 @15781 has 6 MA's), (Start: 73 @15787 has 29 MA's), (Start: 93 @15802 has 8 MA's), (183, 15943), (213, 16024), (334, 16231), (398, 16315), (461, 16381), (494, 16426), (538, 16516), (547, 16543), (553, 16558),

Gene: Pirate_15 Start: 11280, Stop: 12227, Start Num: 83

Candidate Starts for Pirate_15:

(74, 11265), (Start: 79 @11271 has 1 MA's), (81, 11274), (Start: 83 @11280 has 44 MA's), (Start: 110 @11313 has 84 MA's), (126, 11331), (129, 11334), (149, 11364), (154, 11373), (166, 11403), (168, 11406), (170, 11409), (174, 11421), (177, 11430), (194, 11475), (206, 11505), (Start: 211 @11520 has 1 MA's), (214, 11532), (215, 11535), (216, 11538), (235, 11571), (242, 11586), (249, 11604), (267, 11640), (270, 11646), (280, 11673), (294, 11697), (319, 11724), (331, 11751), (335, 11757), (367, 11820), (375, 11832), (406, 11874), (408, 11877), (410, 11880), (441, 11931), (447, 11946), (458, 11967), (479, 11982), (489, 11997), (492, 12003), (521, 12075), (522, 12078), (531, 12096), (532, 12099), (536, 12108), (554, 12156), (558, 12168), (561, 12177), (567, 12192), (569, 12198), (574, 12213),

Gene: Piro94_28 Start: 19659, Stop: 20675, Start Num: 106

Candidate Starts for Piro94_28:

(Start: 106 @19659 has 240 MA's), (161, 19734), (173, 19752), (188, 19788), (199, 19827), (287, 20004), (311, 20034), (329, 20073), (331, 20076), (558, 20532), (568, 20556),

Gene: Pisa1_21 Start: 16089, Stop: 17225, Start Num: 31

Candidate Starts for Pisa1_21:

(Start: 31 @16089 has 231 MA's), (Start: 67 @16206 has 6 MA's), (154, 16317), (162, 16338), (178, 16365), (261, 16566), (293, 16620), (334, 16701), (372, 16776), (390, 16791), (476, 16902), (500, 16944), (539, 17037), (547, 17061), (584, 17154), (601, 17193), (608, 17211),

Gene: Pisa4_21 Start: 16089, Stop: 17225, Start Num: 31

Candidate Starts for Pisa4_21:

(Start: 31 @16089 has 231 MA's), (Start: 67 @16206 has 6 MA's), (154, 16317), (162, 16338), (178, 16365), (261, 16566), (293, 16620), (334, 16701), (372, 16776), (390, 16791), (476, 16902), (500, 16944), (539, 17037), (547, 17061), (584, 17154), (601, 17193), (608, 17211),

Gene: Pixie_21 Start: 16222, Stop: 17358, Start Num: 31

Candidate Starts for Pixie_21:

(Start: 31 @16222 has 231 MA's), (Start: 67 @16345 has 6 MA's), (121, 16408), (124, 16414), (147, 16444), (162, 16477), (208, 16582), (214, 16603), (216, 16609), (244, 16666), (261, 16705), (278, 16735), (328, 16822), (342, 16858), (355, 16885), (461, 17005), (476, 17035), (480, 17044), (500, 17077), (501, 17080), (502, 17083), (539, 17170), (569, 17257), (599, 17320), (601, 17326),

Gene: Plagueis_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Plagueis_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Pleakley_49 Start: 29758, Stop: 30678, Start Num: 87

Candidate Starts for Pleakley_49:

(Start: 87 @29758 has 26 MA's), (150, 29839), (188, 29914), (206, 29965), (267, 30079), (398, 30286), (558, 30547), (587, 30610), (600, 30643),

Gene: Pmask_30 Start: 18960, Stop: 19973, Start Num: 106

Candidate Starts for Pmask_30:

(Start: 106 @18960 has 240 MA's), (147, 19014), (173, 19053), (212, 19158), (287, 19305), (311, 19335), (329, 19374), (331, 19377), (353, 19422), (385, 19482), (495, 19680), (558, 19830), (561, 19839),

Gene: Poise_49 Start: 25756, Stop: 26718, Start Num: 103

Candidate Starts for Poise_49:

(Start: 103 @25756 has 86 MA's), (183, 25888), (192, 25912), (196, 25921), (198, 25927), (202, 25936), (212, 25960), (214, 25969), (219, 25981), (224, 25993), (280, 26107), (324, 26188), (331, 26203), (335, 26209), (411, 26317), (505, 26443), (507, 26449), (577, 26599), (581, 26605), (588, 26617), (590, 26620), (621, 26707), (623, 26710), (624, 26713),

Gene: Pokerus_21 Start: 15968, Stop: 17104, Start Num: 31

Candidate Starts for Pokerus_21:

(Start: 31 @15968 has 231 MA's), (Start: 67 @16085 has 6 MA's), (140, 16175), (154, 16196), (162, 16217), (178, 16244), (293, 16499), (334, 16580), (372, 16655), (390, 16670), (476, 16781), (500, 16823), (539, 16916), (547, 16940), (584, 17033), (601, 17072), (608, 17090),

Gene: Polyphemus_30 Start: 18958, Stop: 19971, Start Num: 106

Candidate Starts for Polyphemus_30:

(Start: 106 @18958 has 240 MA's), (147, 19012), (173, 19051), (212, 19156), (287, 19303), (311, 19333), (329, 19372), (331, 19375), (353, 19420), (385, 19480), (495, 19678), (558, 19828), (561, 19837),

Gene: Polyyuki_44 Start: 30428, Stop: 31354, Start Num: 85

Candidate Starts for Polyyuki_44:

(Start: 85 @30428 has 58 MA's), (Start: 122 @30464 has 2 MA's), (188, 30581), (199, 30620), (208, 30638), (240, 30689), (287, 30788), (331, 30863), (336, 30872), (377, 30947), (401, 30968), (500, 31106), (513, 31142), (534, 31181), (558, 31223), (587, 31286), (600, 31319),

Gene: Pomar16_30 Start: 19083, Stop: 20093, Start Num: 106

Candidate Starts for Pomar16_30:

(Start: 106 @19083 has 240 MA's), (147, 19137), (161, 19158), (173, 19176), (247, 19347), (311, 19458), (329, 19497), (331, 19500), (353, 19545), (521, 19863), (554, 19938), (558, 19950), (568, 19974), (600, 20040),

Gene: Pons_17 Start: 14462, Stop: 15418, Start Num: 110

Candidate Starts for Pons_17:

(Start: 110 @14462 has 84 MA's), (143, 14507), (183, 14591), (202, 14645), (213, 14672), (247, 14723), (249, 14726), (252, 14732), (254, 14735), (291, 14804), (320, 14849), (331, 14873), (371, 14939), (438, 15035), (539, 15218), (540, 15221), (553, 15251), (556, 15260), (579, 15317), (603, 15368), (616, 15404), (618, 15410),

Gene: Poochiewood_17 Start: 15865, Stop: 16746, Start Num: 103

Candidate Starts for Poochiewood_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355,

16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: Portcullis_30 Start: 24953, Stop: 25897, Start Num: 91

Candidate Starts for Portcullis_30:

(Start: 91 @24953 has 34 MA's), (161, 25058), (192, 25127), (194, 25133), (202, 25157), (209, 25172), (438, 25532), (443, 25547), (456, 25565), (522, 25667), (541, 25709), (556, 25745), (598, 25841), (617, 25892),

Gene: PotPie_17 Start: 15327, Stop: 16283, Start Num: 110

Candidate Starts for PotPie_17:

(Start: 110 @15327 has 84 MA's), (143, 15372), (173, 15429), (183, 15456), (202, 15510), (213, 15537), (247, 15588), (249, 15591), (252, 15597), (254, 15600), (281, 15654), (291, 15669), (320, 15714), (331, 15738), (342, 15753), (371, 15804), (438, 15900), (540, 16086), (553, 16116), (556, 16125), (579, 16182), (603, 16233), (616, 16269), (618, 16275),

Gene: PotatoChip_33 Start: 28463, Stop: 29329, Start Num: 72

Candidate Starts for PotatoChip_33:

(Start: 72 @28463 has 35 MA's), (88, 28487), (128, 28532), (161, 28592), (181, 28631), (216, 28727), (313, 28889), (328, 28922), (398, 28997), (411, 29021), (537, 29162), (558, 29198), (569, 29225), (596, 29282),

Gene: Poushou_18 Start: 16550, Stop: 17428, Start Num: 92

Candidate Starts for Poushou_18:

(Start: 92 @16550 has 11 MA's), (Start: 95 @16553 has 1 MA's), (155, 16637), (212, 16775), (398, 17063),

Gene: Power_27 Start: 19105, Stop: 20121, Start Num: 106

Candidate Starts for Power_27:

(Start: 106 @19105 has 240 MA's), (161, 19180), (173, 19198), (188, 19234), (199, 19273), (311, 19480), (329, 19519), (331, 19522), (473, 19789), (521, 19891), (554, 19966), (558, 19978), (600, 20068),

Gene: Priamo_30 Start: 19009, Stop: 20022, Start Num: 106

Candidate Starts for Priamo_30:

(Start: 106 @19009 has 240 MA's), (147, 19063), (173, 19102), (188, 19138), (212, 19207), (287, 19354), (311, 19384), (329, 19423), (331, 19426), (353, 19471), (385, 19531), (455, 19657), (495, 19729), (558, 19879), (561, 19888),

Gene: Prinashe11_24 Start: 18616, Stop: 19629, Start Num: 114

Candidate Starts for Prinashe11_24:

(Start: 114 @18616 has 85 MA's), (173, 18712), (186, 18745), (188, 18748), (199, 18787), (270, 18922), (304, 18982), (311, 18988), (320, 19006), (331, 19030), (351, 19072), (511, 19384), (558, 19486), (600, 19576),

Gene: PrincePatrick_18 Start: 15957, Stop: 16817, Start Num: 70

Candidate Starts for PrincePatrick_18:

(Start: 70 @15957 has 25 MA's), (Start: 93 @15972 has 8 MA's), (121, 16002), (138, 16023), (183, 16113), (213, 16194), (333, 16398), (334, 16401), (494, 16596), (538, 16686), (553, 16728), (570, 16776), (572, 16782),

Gene: Pringar_49 Start: 26044, Stop: 27006, Start Num: 103

Candidate Starts for Pringar_49:

(Start: 103 @26044 has 86 MA's), (183, 26176), (192, 26200), (196, 26209), (198, 26215), (202, 26224), (212, 26248), (214, 26257), (219, 26269), (280, 26395), (324, 26476), (331, 26491), (335, 26497), (411, 26605), (505, 26731), (507, 26737), (577, 26887), (581, 26893), (588, 26905), (590, 26908), (621, 26995), (623, 26998), (624, 27001),

Gene: Prithvi_22 Start: 15985, Stop: 17121, Start Num: 31

Candidate Starts for Prithvi_22:

(Start: 31 @15985 has 231 MA's), (Start: 67 @16102 has 6 MA's), (140, 16192), (154, 16213), (162, 16234), (178, 16261), (293, 16516), (334, 16597), (372, 16672), (390, 16687), (476, 16798), (500, 16840), (539, 16933), (547, 16957), (584, 17050), (601, 17089), (608, 17107),

Gene: Priya_28 Start: 20558, Stop: 21571, Start Num: 106

Candidate Starts for Priya_28:

(Start: 106 @20558 has 240 MA's), (Start: 122 @20576 has 2 MA's), (161, 20633), (173, 20651), (188, 20687), (270, 20867), (287, 20903), (311, 20933), (331, 20975), (415, 21134), (495, 21278), (521, 21341), (554, 21416), (558, 21428), (568, 21452),

Gene: Procrass1_15 Start: 11294, Stop: 12235, Start Num: 83

Candidate Starts for Procrass1_15:

(74, 11279), (Start: 79 @11285 has 1 MA's), (81, 11288), (Start: 83 @11294 has 44 MA's), (Start: 110 @11327 has 84 MA's), (126, 11345), (149, 11372), (154, 11381), (166, 11411), (168, 11414), (170, 11417), (174, 11429), (177, 11438), (182, 11453), (194, 11483), (206, 11513), (Start: 211 @11528 has 1 MA's), (214, 11540), (215, 11543), (216, 11546), (242, 11594), (249, 11612), (267, 11648), (270, 11654), (280, 11681), (294, 11705), (315, 11723), (319, 11732), (331, 11759), (335, 11765), (367, 11828), (375, 11840), (406, 11882), (408, 11885), (410, 11888), (432, 11921), (441, 11939), (447, 11954), (458, 11975), (479, 11990), (489, 12005), (492, 12011), (521, 12083), (522, 12086), (531, 12104), (532, 12107), (536, 12116), (554, 12164), (558, 12176), (561, 12185), (567, 12200), (569, 12206), (574, 12221),

Gene: Prudy_29 Start: 20964, Stop: 21977, Start Num: 106

Candidate Starts for Prudy_29:

(Start: 106 @20964 has 240 MA's), (173, 21057), (188, 21093), (199, 21132), (311, 21339), (329, 21378), (331, 21381), (353, 21426), (385, 21486), (455, 21612), (473, 21645), (558, 21834),

Gene: Psycho_20 Start: 16299, Stop: 17429, Start Num: 37

Candidate Starts for Psycho_20:

(Start: 37 @16299 has 23 MA's), (121, 16473), (161, 16539), (178, 16569), (214, 16668), (261, 16770), (293, 16824), (311, 16854), (328, 16890), (329, 16893), (333, 16902), (370, 16977), (372, 16980), (404, 17016), (433, 17058), (461, 17076), (465, 17082), (476, 17106), (477, 17109), (500, 17148), (542, 17250), (584, 17358), (601, 17397), (608, 17415),

Gene: PsychoKiller_17 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for PsychoKiller_17:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Pukovnik_29 Start: 20677, Stop: 21693, Start Num: 106

Candidate Starts for Pukovnik_29:

(Start: 106 @20677 has 240 MA's), (161, 20752), (173, 20770), (199, 20845), (207, 20860), (270, 20986), (311, 21052), (329, 21091), (331, 21094), (336, 21103), (379, 21184), (401, 21235), (558,

21550), (568, 21574),

Gene: PullumCavea_30 Start: 25004, Stop: 25948, Start Num: 91

Candidate Starts for PullumCavea_30:

(Start: 91 @25004 has 34 MA's), (161, 25109), (192, 25178), (194, 25184), (202, 25208), (209, 25223), (438, 25583), (443, 25598), (456, 25616), (522, 25718), (541, 25760), (556, 25796), (598, 25892), (617, 25943),

Gene: Pumpkiney_35 Start: 27100, Stop: 28077, Start Num: 72

Candidate Starts for Pumpkiney_35:

(Start: 72 @27100 has 35 MA's), (135, 27175), (144, 27187), (161, 27223), (180, 27259), (216, 27361), (254, 27415), (287, 27487), (328, 27550), (332, 27559), (359, 27616), (379, 27649), (405, 27682), (407, 27685), (445, 27742), (502, 27838), (514, 27871), (520, 27880), (532, 27901), (543, 27928), (550, 27949), (554, 27958), (556, 27964), (569, 27997), (570, 28000), (594, 28054), (600, 28066),

Gene: Puppies_17 Start: 14309, Stop: 15142, Start Num: 109

Candidate Starts for Puppies_17:

(Start: 109 @14309 has 16 MA's), (155, 14378), (191, 14462), (209, 14513), (264, 14621), (325, 14714), (331, 14726), (335, 14732), (372, 14798), (507, 14924), (532, 14951), (534, 14954), (540, 14972), (547, 14987), (562, 15026),

Gene: Qhanda_24 Start: 17527, Stop: 18642, Start Num: 38

Candidate Starts for Qhanda_24:

(Start: 31 @17509 has 231 MA's), (38, 17527), (54, 17599), (Start: 67 @17629 has 6 MA's), (140, 17719), (162, 17761), (177, 17785), (215, 17890), (293, 18043), (331, 18112), (333, 18118), (433, 18271), (461, 18289), (476, 18319), (500, 18361), (501, 18364), (584, 18571), (601, 18610), (608, 18628),

Gene: Qobbit_28 Start: 20557, Stop: 21570, Start Num: 106

Candidate Starts for Qobbit_28:

(Start: 106 @20557 has 240 MA's), (Start: 122 @20575 has 2 MA's), (161, 20632), (173, 20650), (188, 20686), (270, 20866), (287, 20902), (311, 20932), (331, 20974), (415, 21133), (495, 21277), (521, 21340), (554, 21415), (558, 21427), (568, 21451),

Gene: Quasar_17 Start: 15373, Stop: 16344, Start Num: 110

Candidate Starts for Quasar_17:

(Start: 110 @15373 has 84 MA's), (143, 15418), (155, 15439), (183, 15502), (192, 15526), (202, 15556), (216, 15595), (247, 15634), (252, 15643), (254, 15646), (288, 15712), (320, 15760), (344, 15802), (371, 15850), (402, 15901), (438, 15961), (443, 15976), (445, 15979), (454, 15997), (457, 16003), (496, 16048), (504, 16075), (511, 16093), (539, 16144), (540, 16147), (553, 16177), (556, 16186), (561, 16201), (587, 16258), (608, 16306), (616, 16330), (618, 16336),

Gene: Quby_17 Start: 15700, Stop: 16587, Start Num: 103

Candidate Starts for Quby_17:

(Start: 103 @15700 has 86 MA's), (125, 15724), (145, 15751), (147, 15754), (155, 15769), (174, 15802), (212, 15898), (287, 16033), (292, 16042), (329, 16102), (331, 16105), (376, 16183), (401, 16198), (425, 16222), (486, 16291), (497, 16315), (503, 16333), (527, 16384), (538, 16411), (558, 16459), (571, 16486), (614, 16570),

Gene: QueenB2_27 Start: 19223, Stop: 20239, Start Num: 106

Candidate Starts for QueenB2_27:

(Start: 106 @19223 has 240 MA's), (161, 19298), (173, 19316), (188, 19352), (199, 19391), (311, 19598), (329, 19637), (331, 19640), (473, 19907), (521, 20009), (554, 20084), (558, 20096), (600,

20186),

Gene: QueenBeesly_27 Start: 19105, Stop: 20121, Start Num: 106

Candidate Starts for QueenBeesly_27:

(Start: 106 @19105 has 240 MA's), (161, 19180), (173, 19198), (188, 19234), (199, 19273), (311, 19480), (329, 19519), (331, 19522), (473, 19789), (521, 19891), (554, 19966), (558, 19978), (600, 20068),

Gene: QueenBey_15 Start: 11288, Stop: 12235, Start Num: 83

Candidate Starts for QueenBey_15:

(74, 11273), (Start: 79 @11279 has 1 MA's), (Start: 83 @11288 has 44 MA's), (Start: 110 @11321 has 84 MA's), (Start: 115 @11327 has 6 MA's), (126, 11339), (129, 11342), (135, 11348), (149, 11372), (154, 11381), (166, 11411), (168, 11414), (170, 11417), (174, 11429), (177, 11438), (194, 11483), (206, 11513), (Start: 211 @11528 has 1 MA's), (213, 11534), (215, 11543), (242, 11594), (249, 11612), (262, 11639), (267, 11648), (270, 11654), (280, 11681), (294, 11705), (319, 11732), (329, 11756), (335, 11765), (367, 11828), (406, 11882), (408, 11885), (410, 11888), (441, 11939), (447, 11954), (458, 11975), (479, 11990), (489, 12005), (492, 12011), (521, 12083), (522, 12086), (531, 12104), (532, 12107), (536, 12116), (554, 12164), (558, 12176), (561, 12185), (567, 12200), (569, 12206), (574, 12221),

Gene: QuincyRose_21 Start: 16031, Stop: 17167, Start Num: 31

Candidate Starts for QuincyRose_21:

(Start: 31 @16031 has 231 MA's), (Start: 67 @16148 has 6 MA's), (140, 16238), (154, 16259), (162, 16280), (178, 16307), (293, 16562), (334, 16643), (372, 16718), (390, 16733), (476, 16844), (500, 16886), (539, 16979), (547, 17003), (584, 17096), (601, 17135), (608, 17153),

Gene: Quokka_25 Start: 18067, Stop: 19077, Start Num: 106

Candidate Starts for Quokka_25:

(Start: 106 @18067 has 240 MA's), (147, 18121), (161, 18142), (173, 18160), (199, 18235), (311, 18442), (329, 18481), (331, 18484), (353, 18529), (455, 18712), (473, 18745), (521, 18847), (558, 18934), (600, 19024),

Gene: RADical_18 Start: 14765, Stop: 15736, Start Num: 110

Candidate Starts for RADical_18:

(Start: 110 @14765 has 84 MA's), (143, 14810), (155, 14831), (183, 14894), (192, 14918), (202, 14948), (216, 14987), (247, 15026), (252, 15035), (254, 15038), (288, 15104), (320, 15152), (344, 15194), (371, 15242), (402, 15293), (438, 15353), (443, 15368), (445, 15371), (454, 15389), (457, 15395), (496, 15440), (504, 15467), (511, 15485), (540, 15539), (553, 15569), (556, 15578), (561, 15593), (587, 15650), (608, 15698), (616, 15722), (618, 15728),

Gene: REQ2_19 Start: 18255, Stop: 19085, Start Num: 105

Candidate Starts for REQ2_19:

(Start: 105 @18255 has 1 MA's), (131, 18288), (140, 18300), (201, 18435), (214, 18471), (304, 18618), (318, 18642), (333, 18669), (401, 18762), (425, 18792), (477, 18852), (528, 18936), (533, 18948), (554, 19008), (566, 19041), (570, 19053), (579, 19071),

Gene: REQ3_49 Start: 31366, Stop: 32277, Start Num: 109

Candidate Starts for REQ3_49:

(Start: 109 @31366 has 16 MA's), (130, 31399), (140, 31411), (183, 31492), (246, 31615), (252, 31633), (270, 31669), (331, 31774), (349, 31813), (443, 31927), (445, 31930), (516, 32029), (558, 32131), (585, 32191), (615, 32266),

Gene: RER2_15 Start: 12352, Stop: 13224, Start Num: 114

Candidate Starts for RER2_15:

(Start: 114 @12352 has 85 MA's), (140, 12391), (183, 12472), (186, 12478), (Start: 211 @12547 has 1 MA's), (254, 12625), (282, 12685), (331, 12763), (409, 12859), (521, 12988), (530, 13006), (554, 13063), (558, 13075), (574, 13117), (615, 13213),

Gene: RGL3_15 Start: 12514, Stop: 13386, Start Num: 114

Candidate Starts for RGL3_15:

(Start: 114 @12514 has 85 MA's), (153, 12574), (186, 12640), (207, 12697), (Start: 211 @12709 has 1 MA's), (270, 12820), (304, 12877), (331, 12925), (364, 12976), (521, 13150), (532, 13174), (544, 13201), (554, 13225), (558, 13237),

Gene: RSchmailzl_18 Start: 14908, Stop: 15879, Start Num: 110

Candidate Starts for RSchmailzl_18:

(Start: 110 @14908 has 84 MA's), (143, 14953), (155, 14974), (183, 15037), (192, 15061), (202, 15091), (216, 15130), (247, 15169), (252, 15178), (254, 15181), (288, 15247), (320, 15295), (344, 15337), (371, 15385), (402, 15436), (438, 15496), (443, 15511), (445, 15514), (454, 15532), (457, 15538), (496, 15583), (504, 15610), (511, 15628), (539, 15679), (540, 15682), (553, 15712), (556, 15721), (561, 15736), (587, 15793), (608, 15841), (616, 15865), (618, 15871),

Gene: Rabbitrun_29 Start: 22682, Stop: 23611, Start Num: 89

Candidate Starts for Rabbitrun_29:

(Start: 89 @22682 has 16 MA's), (Start: 100 @22697 has 6 MA's), (147, 22754), (161, 22784), (184, 22829), (197, 22862), (212, 22898), (252, 22973), (267, 23003), (268, 23006), (287, 23042), (320, 23105), (321, 23108), (328, 23123), (342, 23153), (349, 23168), (361, 23189), (425, 23249), (429, 23255), (517, 23402), (530, 23426), (554, 23483), (586, 23540), (598, 23564), (604, 23579),

Gene: Rabbs_17 Start: 15479, Stop: 16657, Start Num: 31

Candidate Starts for Rabbs_17:

(4, 15083), (5, 15143), (Start: 31 @15479 has 231 MA's), (Start: 67 @15605 has 6 MA's), (Start: 84 @15623 has 6 MA's), (121, 15668), (124, 15674), (161, 15737), (180, 15773), (207, 15842), (208, 15845), (214, 15866), (240, 15920), (278, 15995), (333, 16097), (338, 16109), (461, 16304), (476, 16334), (491, 16352), (500, 16376), (542, 16478), (548, 16496), (584, 16586), (599, 16619),

Gene: Rachaly_30 Start: 20827, Stop: 21837, Start Num: 106

Candidate Starts for Rachaly_30:

(Start: 106 @20827 has 240 MA's), (173, 20920), (188, 20956), (199, 20995), (311, 21202), (329, 21241), (331, 21244), (353, 21289), (401, 21379), (455, 21472), (473, 21505), (521, 21607), (554, 21682), (558, 21694), (600, 21784),

Gene: Raela_49 Start: 26311, Stop: 27273, Start Num: 103

Candidate Starts for Raela_49:

(Start: 103 @26311 has 86 MA's), (183, 26443), (192, 26467), (196, 26476), (198, 26482), (202, 26491), (212, 26515), (214, 26524), (219, 26536), (280, 26662), (324, 26743), (331, 26758), (335, 26764), (411, 26872), (505, 26998), (507, 27004), (544, 27079), (577, 27154), (581, 27160), (588, 27172), (590, 27175), (621, 27262), (623, 27265), (624, 27268),

Gene: Rahalelujah_26 Start: 18587, Stop: 19609, Start Num: 106

Candidate Starts for Rahalelujah_26:

(Start: 106 @18587 has 240 MA's), (Start: 122 @18605 has 2 MA's), (147, 18641), (161, 18662), (173, 18680), (212, 18785), (287, 18932), (311, 18962), (331, 19004), (385, 19109), (407, 19154), (439, 19199), (466, 19250), (467, 19256), (470, 19265), (521, 19379), (544, 19430), (554, 19454), (558, 19466), (600, 19556),

Gene: Ramen_22 Start: 16017, Stop: 17153, Start Num: 31

Candidate Starts for Ramen_22:

(Start: 31 @16017 has 231 MA's), (Start: 67 @16134 has 6 MA's), (140, 16224), (154, 16245), (162, 16266), (178, 16293), (293, 16548), (334, 16629), (372, 16704), (390, 16719), (476, 16830), (500, 16872), (539, 16965), (547, 16989), (584, 17082), (601, 17121), (608, 17139),

Gene: RanchParmCat_20 Start: 14513, Stop: 15472, Start Num: 110

Candidate Starts for RanchParmCat_20:

(58, 14438), (Start: 110 @14513 has 84 MA's), (125, 14534), (145, 14561), (147, 14564), (249, 14777), (252, 14783), (281, 14840), (319, 14897), (320, 14900), (371, 14990), (416, 15059), (438, 15092), (530, 15251), (539, 15272), (540, 15275), (553, 15305), (556, 15314), (558, 15320), (566, 15338), (579, 15371), (584, 15380), (587, 15386), (609, 15437), (616, 15458), (618, 15464),

Gene: Rando14_20 Start: 14989, Stop: 16119, Start Num: 37

Candidate Starts for Rando14_20:

(Start: 37 @14989 has 23 MA's), (Start: 84 @15118 has 6 MA's), (121, 15163), (161, 15229), (162, 15232), (178, 15259), (214, 15358), (261, 15460), (293, 15514), (311, 15544), (328, 15580), (333, 15592), (355, 15643), (370, 15667), (401, 15700), (433, 15748), (465, 15772), (476, 15796), (477, 15799), (500, 15838), (584, 16048), (601, 16087), (608, 16105),

Gene: Rapunzel97_22 Start: 16018, Stop: 17154, Start Num: 31

Candidate Starts for Rapunzel97_22:

(Start: 31 @16018 has 231 MA's), (Start: 67 @16135 has 6 MA's), (140, 16225), (154, 16246), (162, 16267), (178, 16294), (293, 16549), (334, 16630), (372, 16705), (390, 16720), (476, 16831), (500, 16873), (539, 16966), (547, 16990), (584, 17083), (601, 17122), (608, 17140),

Gene: Rasputin_22 Start: 15448, Stop: 16320, Start Num: 114

Candidate Starts for Rasputin_22:

(Start: 114 @15448 has 85 MA's), (140, 15487), (183, 15568), (186, 15574), (Start: 211 @15643 has 1 MA's), (254, 15721), (267, 15748), (331, 15859), (409, 15955), (521, 16084), (530, 16102), (558, 16171), (615, 16309),

Gene: Rattrick_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Rattrick_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Ravana_30 Start: 18083, Stop: 19060, Start Num: 110

Candidate Starts for Ravana_30:

(Start: 110 @18083 has 84 MA's), (183, 18197), (186, 18203), (188, 18206), (297, 18440), (452, 18707), (493, 18761), (558, 18917),

Gene: RayTheFireFly_18 Start: 16585, Stop: 17532, Start Num: 106

Candidate Starts for RayTheFireFly_18:

(Start: 106 @16585 has 240 MA's), (208, 16780), (252, 16861), (259, 16873), (299, 16945), (313, 16951), (320, 16966), (371, 17056), (375, 17062), (424, 17125), (438, 17149), (440, 17155), (460, 17191), (504, 17260), (527, 17302), (539, 17329), (558, 17371), (559, 17374), (564, 17386), (587, 17437), (600, 17461), (620, 17515),

Gene: ReMo_29 Start: 18119, Stop: 19096, Start Num: 110

Candidate Starts for ReMo_29:

(Start: 110 @18119 has 84 MA's), (183, 18233), (186, 18239), (188, 18242), (297, 18476), (452, 18743), (493, 18797), (558, 18953),

Gene: Red305_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for Red305_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: RedBaron_18 Start: 14808, Stop: 15779, Start Num: 110

Candidate Starts for RedBaron_18:

(Start: 110 @14808 has 84 MA's), (143, 14853), (155, 14874), (183, 14937), (192, 14961), (202, 14991), (216, 15030), (247, 15069), (252, 15078), (254, 15081), (288, 15147), (320, 15195), (344, 15237), (371, 15285), (402, 15336), (438, 15396), (443, 15411), (445, 15414), (454, 15432), (457, 15438), (496, 15483), (504, 15510), (511, 15528), (539, 15579), (540, 15582), (553, 15612), (556, 15621), (561, 15636), (587, 15693), (608, 15741), (616, 15765), (618, 15771),

Gene: RedRaider_47 Start: 31794, Stop: 32711, Start Num: 87

Candidate Starts for RedRaider_47:

(Start: 87 @31794 has 26 MA's), (150, 31872), (188, 31947), (240, 32055), (278, 32139), (398, 32319), (401, 32325), (535, 32541), (558, 32580), (587, 32643), (592, 32655), (600, 32676), (608, 32697),

Gene: RedRaider77_49 Start: 26212, Stop: 27174, Start Num: 103

Candidate Starts for RedRaider77_49:

(Start: 103 @26212 has 86 MA's), (183, 26344), (192, 26368), (196, 26377), (198, 26383), (202, 26392), (212, 26416), (214, 26425), (219, 26437), (280, 26563), (324, 26644), (331, 26659), (335, 26665), (411, 26773), (505, 26899), (507, 26905), (544, 26980), (577, 27055), (581, 27061), (588, 27073), (590, 27076), (621, 27163), (623, 27166), (624, 27169),

Gene: RedRock_30 Start: 21090, Stop: 22103, Start Num: 106

Candidate Starts for RedRock_30:

(Start: 106 @21090 has 240 MA's), (Start: 122 @21108 has 2 MA's), (161, 21165), (173, 21183), (188, 21219), (199, 21258), (311, 21465), (329, 21504), (331, 21507), (353, 21552), (455, 21738), (473, 21771), (511, 21858), (558, 21960),

Gene: Refuge_30 Start: 22099, Stop: 23115, Start Num: 106

Candidate Starts for Refuge_30:

(Start: 106 @22099 has 240 MA's), (161, 22174), (173, 22192), (188, 22228), (199, 22267), (311, 22474), (329, 22513), (331, 22516), (418, 22681), (445, 22729), (558, 22972),

Gene: Reindeer_25 Start: 21276, Stop: 22190, Start Num: 94

Candidate Starts for Reindeer_25:

(Start: 94 @21276 has 1 MA's), (Start: 96 @21279 has 21 MA's), (163, 21378), (167, 21381), (177, 21399), (183, 21414), (212, 21486), (214, 21495), (260, 21573), (282, 21621), (329, 21711), (331, 21714), (340, 21732), (368, 21783), (401, 21807), (411, 21825), (425, 21831), (501, 21936), (515, 21972), (527, 21993), (573, 22101), (596, 22128), (601, 22140),

Gene: Rem711_24 Start: 17926, Stop: 19032, Start Num: 52

Candidate Starts for Rem711_24:

(3, 17356), (11, 17629), (48, 17917), (Start: 52 @17926 has 1 MA's), (71, 17965), (217, 18217), (269, 18337), (330, 18451), (337, 18469), (352, 18499), (358, 18511), (469, 18691), (478, 18718), (607,

19018),

Gene: Remus_29 Start: 18083, Stop: 19060, Start Num: 110

Candidate Starts for Remus_29:

(Start: 110 @18083 has 84 MA's), (183, 18197), (186, 18203), (188, 18206), (297, 18440), (452, 18707), (493, 18761), (558, 18917),

Gene: Remy19_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Remy19_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Renaissance_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Renaissance_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Reptar3000_23 Start: 17233, Stop: 18366, Start Num: 31

Candidate Starts for Reptar3000_23:

(Start: 31 @17233 has 231 MA's), (38, 17251), (54, 17323), (Start: 67 @17353 has 6 MA's), (140, 17443), (147, 17452), (162, 17485), (177, 17509), (215, 17614), (293, 17767), (331, 17836), (333, 17842), (433, 17995), (461, 18013), (476, 18043), (500, 18085), (501, 18088), (584, 18295), (601, 18334), (608, 18352),

Gene: Retro23_27 Start: 19253, Stop: 20269, Start Num: 106

Candidate Starts for Retro23_27:

(Start: 106 @19253 has 240 MA's), (161, 19328), (173, 19346), (188, 19382), (199, 19421), (311, 19628), (329, 19667), (331, 19670), (473, 19937), (521, 20039), (554, 20114), (558, 20126), (600, 20216), (601, 20219),

Gene: RexFury_22 Start: 15511, Stop: 16383, Start Num: 114

Candidate Starts for RexFury_22:

(Start: 114 @15511 has 85 MA's), (140, 15550), (183, 15631), (186, 15637), (Start: 211 @15706 has 1 MA's), (254, 15784), (282, 15844), (331, 15922), (409, 16018), (521, 16147), (530, 16165), (554, 16222), (558, 16234), (574, 16276), (615, 16372),

Gene: Rey_31 Start: 22233, Stop: 23144, Start Num: 96

Candidate Starts for Rey_31:

(Start: 96 @22233 has 21 MA's), (Start: 105 @22242 has 1 MA's), (147, 22296), (167, 22335), (177, 22353), (183, 22368), (Start: 211 @22437 has 1 MA's), (329, 22665), (331, 22668), (411, 22779), (425, 22785), (515, 22926), (531, 22956), (553, 23007), (613, 23130),

Gene: Reyja_18 Start: 14313, Stop: 15155, Start Num: 109

Candidate Starts for Reyja_18:

(8, 13857), (12, 13935), (35, 14133), (80, 14274), (Start: 109 @14313 has 16 MA's), (155, 14382), (170, 14412), (177, 14433), (191, 14466), (206, 14508), (207, 14511), (287, 14652), (331, 14718), (434, 14850), (506, 14925), (540, 14979), (558, 15021), (590, 15087), (605, 15126),

Gene: Rhodalysa_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Rhodalysa_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: Ribeye_34 Start: 29836, Stop: 30792, Start Num: 85

Candidate Starts for Ribeye_34:

(Start: 85 @29836 has 58 MA's), (177, 29977), (183, 29992), (194, 30022), (197, 30034), (202, 30046), (209, 30061), (213, 30073), (234, 30100), (244, 30115), (255, 30142), (319, 30232), (336, 30268), (367, 30328), (396, 30364), (438, 30424), (500, 30514), (541, 30604), (552, 30628), (556, 30640), (584, 30706), (591, 30721), (602, 30745),

Gene: Richarlison_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Richarlison_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Richo_22 Start: 15375, Stop: 16514, Start Num: 31

Candidate Starts for Richo_22:

(Start: 31 @15375 has 231 MA's), (Start: 67 @15495 has 6 MA's), (140, 15585), (178, 15654), (214, 15753), (215, 15756), (261, 15855), (293, 15909), (334, 15990), (372, 16065), (390, 16080), (465, 16167), (476, 16191), (500, 16233), (501, 16236), (522, 16287), (539, 16326), (568, 16410), (575, 16428), (584, 16443), (601, 16482), (608, 16500),

Gene: Rifter_30 Start: 18949, Stop: 19965, Start Num: 106

Candidate Starts for Rifter_30:

(Start: 106 @18949 has 240 MA's), (Start: 122 @18967 has 2 MA's), (147, 19003), (173, 19042), (212, 19147), (311, 19324), (329, 19363), (331, 19366), (377, 19453), (385, 19474), (495, 19672), (558, 19822), (561, 19831), (600, 19912),

Gene: Rileysaurus_15 Start: 11284, Stop: 12231, Start Num: 83

Candidate Starts for Rileysaurus_15:

(Start: 79 @11275 has 1 MA's), (81, 11278), (Start: 83 @11284 has 44 MA's), (Start: 110 @11317 has 84 MA's), (126, 11335), (129, 11338), (135, 11344), (149, 11368), (154, 11377), (166, 11407), (168, 11410), (170, 11413), (174, 11425), (177, 11434), (194, 11479), (206, 11509), (Start: 211 @11524 has 1 MA's), (213, 11530), (216, 11542), (249, 11608), (262, 11635), (267, 11644), (270, 11650), (280, 11677), (319, 11728), (329, 11752), (335, 11761), (367, 11824), (375, 11836), (406, 11878), (408, 11881), (410, 11884), (441, 11935), (447, 11950), (458, 11971), (479, 11986), (489, 12001), (492, 12007), (521, 12079), (522, 12082), (531, 12100), (532, 12103), (536, 12112), (554, 12160), (558, 12172), (561, 12181), (567, 12196), (569, 12202), (574, 12217),

Gene: RiverRaider_34 Start: 28121, Stop: 29080, Start Num: 85

Candidate Starts for RiverRaider_34:

(Start: 85 @28121 has 58 MA's), (177, 28265), (183, 28280), (194, 28310), (197, 28322), (209, 28349), (213, 28361), (215, 28370), (255, 28430), (319, 28520), (336, 28556), (360, 28604), (367, 28616), (381, 28640), (392, 28646), (438, 28712), (500, 28802), (541, 28892), (552, 28916), (556, 28928), (558, 28934), (568, 28958), (606, 29045),

Gene: RoadKill_29 Start: 26072, Stop: 27049, Start Num: 72

Candidate Starts for RoadKill_29:

(Start: 72 @26072 has 35 MA's), (86, 26084), (Start: 109 @26111 has 16 MA's), (144, 26159), (173, 26213), (202, 26291), (254, 26387), (270, 26420), (287, 26459), (359, 26588), (379, 26621), (407, 26657), (514, 26843), (532, 26873), (543, 26900), (556, 26936), (569, 26969), (591, 27017), (600, 27038),

Gene: Roary_23 Start: 17600, Stop: 18622, Start Num: 114

Candidate Starts for Roary_23:

(Start: 114 @17600 has 85 MA's), (183, 17723), (186, 17729), (212, 17801), (270, 17906), (280, 17933), (331, 18023), (440, 18224), (454, 18254), (455, 18257), (554, 18467), (569, 18506), (592, 18554), (600, 18569),

Gene: Rofo_34 Start: 29848, Stop: 30804, Start Num: 85

Candidate Starts for Rofo_34:

(Start: 85 @29848 has 58 MA's), (194, 30034), (197, 30046), (209, 30073), (215, 30094), (255, 30154), (317, 30241), (319, 30244), (336, 30280), (352, 30313), (360, 30328), (367, 30340), (392, 30370), (396, 30376), (438, 30436), (500, 30526), (541, 30616), (552, 30640), (556, 30652), (584, 30718), (602, 30757), (606, 30769),

Gene: RogerDodger_33 Start: 25794, Stop: 26726, Start Num: 91

Candidate Starts for RogerDodger_33:

(Start: 91 @25794 has 34 MA's), (161, 25890), (192, 25959), (194, 25965), (202, 25989), (209, 26004), (336, 26214), (390, 26292), (424, 26337), (438, 26361), (462, 26400), (522, 26496), (541, 26538), (556, 26574), (589, 26649), (598, 26670), (617, 26721),

Gene: Roksolana_30 Start: 18977, Stop: 19993, Start Num: 106

Candidate Starts for Roksolana_30:

(Start: 106 @18977 has 240 MA's), (Start: 122 @18995 has 2 MA's), (147, 19031), (173, 19070), (212, 19175), (311, 19352), (329, 19391), (331, 19394), (377, 19481), (385, 19502), (455, 19628), (495, 19700), (558, 19850), (561, 19859), (600, 19940),

Gene: RonRayGun_18 Start: 16018, Stop: 16983, Start Num: 93

Candidate Starts for RonRayGun_18:

(Start: 93 @16018 has 8 MA's), (120, 16045), (130, 16063), (216, 16240), (217, 16243), (254, 16318), (287, 16384), (300, 16411), (329, 16468), (335, 16477), (506, 16714), (519, 16738), (561, 16837), (569, 16858), (578, 16879), (597, 16918), (601, 16927),

Gene: Ronaldo_55 Start: 27945, Stop: 28892, Start Num: 98

Candidate Starts for Ronaldo_55:

(Start: 98 @27945 has 1 MA's), (Start: 101 @27948 has 12 MA's), (177, 28068), (213, 28164), (276, 28266), (319, 28332), (328, 28353), (331, 28359), (356, 28410), (371, 28434), (438, 28527), (462, 28566), (530, 28677), (532, 28683), (536, 28692), (539, 28698), (553, 28731), (556, 28740), (559, 28749), (566, 28764), (600, 28839), (604, 28851), (609, 28863), (616, 28884),

Gene: Rosalind_29 Start: 18241, Stop: 19218, Start Num: 110

Candidate Starts for Rosalind_29:

(Start: 110 @18241 has 84 MA's), (183, 18355), (186, 18361), (188, 18364), (297, 18598), (452, 18865), (493, 18919), (558, 19075),

Gene: Rose5_17 Start: 15865, Stop: 16746, Start Num: 103

Candidate Starts for Rose5_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: RoseMarie_27 Start: 21674, Stop: 22585, Start Num: 96

Candidate Starts for RoseMarie_27:

(Start: 96 @21674 has 21 MA's), (167, 21776), (177, 21794), (183, 21809), (214, 21890), (260, 21968), (282, 22016), (329, 22106), (331, 22109), (340, 22127), (368, 22178), (425, 22226), (495, 22313), (505, 22346), (532, 22400), (573, 22496), (596, 22523), (601, 22535),

Gene: Rosmarinus_22 Start: 16039, Stop: 17175, Start Num: 31

Candidate Starts for Rosmarinus_22:

(Start: 31 @16039 has 231 MA's), (Start: 67 @16156 has 6 MA's), (140, 16246), (154, 16267), (162, 16288), (178, 16315), (293, 16570), (334, 16651), (372, 16726), (390, 16741), (476, 16852), (500, 16894), (539, 16987), (547, 17011), (584, 17104), (601, 17143), (608, 17161),

Gene: Rossetti_17 Start: 16094, Stop: 17008, Start Num: 103

Candidate Starts for Rossetti_17:

(Start: 103 @16094 has 86 MA's), (125, 16118), (147, 16148), (188, 16229), (206, 16274), (328, 16499), (329, 16502), (331, 16505), (398, 16592), (411, 16616), (425, 16622), (429, 16628), (486, 16691), (495, 16709), (501, 16727), (502, 16730), (527, 16784), (532, 16796), (558, 16859), (571, 16886), (601, 16949), (614, 16988), (619, 17000),

Gene: Rumpelstiltskin_17 Start: 16080, Stop: 16994, Start Num: 103

Candidate Starts for Rumpelstiltskin_17:

(Start: 103 @16080 has 86 MA's), (125, 16104), (147, 16134), (206, 16260), (246, 16332), (328, 16485), (329, 16488), (331, 16491), (345, 16521), (398, 16578), (411, 16602), (425, 16608), (486, 16677), (495, 16695), (502, 16716), (532, 16782), (558, 16845), (614, 16974), (619, 16986),

Gene: Ruriko_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Ruriko_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Ruthiejr_22 Start: 17121, Stop: 18254, Start Num: 31

Candidate Starts for Ruthiejr_22:

(Start: 31 @17121 has 231 MA's), (54, 17211), (Start: 67 @17241 has 6 MA's), (140, 17331), (162, 17373), (163, 17376), (172, 17388), (331, 17724), (333, 17730), (370, 17805), (433, 17883), (459, 17898), (476, 17931), (500, 17973), (501, 17976), (540, 18069), (584, 18183), (601, 18222), (608, 18240),

Gene: Ruthy_18 Start: 15266, Stop: 16327, Start Num: 60

Candidate Starts for Ruthy_18:

(Start: 60 @15266 has 18 MA's), (140, 15359), (162, 15401), (188, 15449), (215, 15527), (251, 15617), (263, 15641), (266, 15647), (304, 15719), (308, 15728), (310, 15731), (316, 15740), (335, 15782), (401, 15881), (444, 15950), (539, 16145), (567, 16223), (584, 16259), (600, 16295), (601, 16298),

Gene: RyeScarlet_29 Start: 20531, Stop: 21544, Start Num: 106

Candidate Starts for RyeScarlet_29:

(Start: 106 @20531 has 240 MA's), (Start: 122 @20549 has 2 MA's), (161, 20606), (173, 20624), (188, 20660), (270, 20840), (287, 20876), (311, 20906), (331, 20948), (415, 21107), (495, 21251), (521, 21314), (554, 21389), (558, 21401), (568, 21425),

Gene: SKKY_15 Start: 11329, Stop: 12270, Start Num: 83

Candidate Starts for SKKY_15:

(71, 11311), (Start: 83 @11329 has 44 MA's), (Start: 110 @11362 has 84 MA's), (Start: 115 @11368 has 6 MA's), (126, 11380), (149, 11407), (154, 11416), (166, 11446), (168, 11449), (170, 11452), (174, 11464), (177, 11473), (182, 11488), (194, 11518), (206, 11548), (Start: 211 @11563 has 1 MA's), (214, 11575), (216, 11581), (230, 11605), (242, 11629), (249, 11647), (267, 11683), (270, 11689), (280, 11716), (282, 11719), (294, 11740), (319, 11767), (329, 11791), (335, 11800), (367, 11863), (406, 11917), (408, 11920), (417, 11935), (441, 11974), (447, 11989), (458, 12010), (479, 12025), (489, 12040), (492, 12046), (521, 12118), (522, 12121), (531, 12139), (532, 12142), (536, 12151), (554, 12199), (558, 12211), (561, 12220), (567, 12235), (569, 12241), (574, 12256),

Gene: Sachima_26 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for Sachima_26:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: Saintus_23 Start: 17615, Stop: 18637, Start Num: 114

Candidate Starts for Saintus_23:

(Start: 114 @17615 has 85 MA's), (183, 17738), (186, 17744), (212, 17816), (270, 17921), (280, 17948), (331, 18038), (440, 18239), (454, 18269), (455, 18272), (554, 18482), (569, 18521), (592, 18569), (600, 18584),

Gene: Salvador_30 Start: 24918, Stop: 25862, Start Num: 91

Candidate Starts for Salvador_30:

(Start: 91 @24918 has 34 MA's), (161, 25023), (192, 25092), (194, 25098), (202, 25122), (209, 25137), (438, 25497), (443, 25512), (456, 25530), (522, 25632), (541, 25674), (556, 25710), (589, 25785), (598, 25806), (617, 25857),

Gene: Salvus_21 Start: 15192, Stop: 16304, Start Num: 34

Candidate Starts for Salvus_21:

(Start: 34 @15192 has 4 MA's), (42, 15240), (116, 15348), (121, 15357), (163, 15426), (179, 15453), (236, 15600), (295, 15708), (333, 15783), (336, 15792), (353, 15828), (404, 15897), (433, 15939), (476, 15984), (480, 15993), (508, 16050), (534, 16101), (554, 16161), (599, 16266),

Gene: Salz_27 Start: 19727, Stop: 20749, Start Num: 106

Candidate Starts for Salz_27:

(Start: 106 @19727 has 240 MA's), (147, 19784), (183, 19859), (242, 19988), (270, 20048), (304, 20108), (311, 20114), (331, 20156), (353, 20201), (355, 20207), (401, 20291), (426, 20324), (558, 20606), (561, 20615), (568, 20630), (600, 20696),

Gene: SamScheppers_21 Start: 17028, Stop: 18161, Start Num: 31

Candidate Starts for SamScheppers_21:

(Start: 31 @17028 has 231 MA's), (38, 17046), (54, 17118), (Start: 67 @17148 has 6 MA's), (140, 17238), (162, 17280), (177, 17304), (215, 17409), (293, 17562), (331, 17631), (333, 17637), (433, 17790), (461, 17808), (476, 17838), (500, 17880), (501, 17883), (575, 18075), (584, 18090), (601, 18129), (608, 18147),

Gene: Samba_18 Start: 15871, Stop: 16731, Start Num: 70

Candidate Starts for Samba_18:

(Start: 70 @15871 has 25 MA's), (183, 16027), (213, 16108), (248, 16165), (253, 16174), (275, 16207), (334, 16315), (398, 16399), (461, 16465), (465, 16471), (538, 16600), (553, 16642),

Gene: Sampson_34 Start: 29722, Stop: 30699, Start Num: 72

Candidate Starts for Sampson_34:

(Start: 72 @29722 has 35 MA's), (135, 29797), (144, 29809), (161, 29845), (180, 29881), (216, 29983), (254, 30037), (287, 30109), (328, 30172), (332, 30181), (359, 30238), (379, 30271), (405, 30304), (407, 30307), (445, 30364), (502, 30460), (514, 30493), (520, 30502), (532, 30523), (543, 30550), (550, 30571), (554, 30580), (556, 30586), (569, 30619), (570, 30622), (594, 30676), (600, 30688),

Gene: Samty_18 Start: 16493, Stop: 17383, Start Num: 103

Candidate Starts for Samty_18:

(Start: 103 @16493 has 86 MA's), (125, 16517), (155, 16562), (161, 16577), (174, 16598), (212, 16694), (287, 16829), (292, 16838), (329, 16898), (331, 16901), (335, 16907), (376, 16979), (411, 17012), (486, 17087), (506, 17141), (517, 17162), (540, 17213), (558, 17255), (614, 17366), (615, 17369),

Gene: SamuelLPlaqsom_22 Start: 15965, Stop: 17101, Start Num: 31

Candidate Starts for SamuelLPlaqsom_22:

(Start: 31 @15965 has 231 MA's), (Start: 67 @16082 has 6 MA's), (140, 16172), (154, 16193), (162, 16214), (178, 16241), (261, 16442), (293, 16496), (298, 16502), (334, 16577), (372, 16652), (390, 16667), (500, 16820), (539, 16913), (547, 16937), (584, 17030), (601, 17069), (608, 17087),

Gene: Sanjuju_32 Start: 30017, Stop: 30973, Start Num: 85

Candidate Starts for Sanjuju_32:

(Start: 85 @30017 has 58 MA's), (194, 30203), (197, 30215), (209, 30242), (215, 30263), (255, 30323), (317, 30410), (319, 30413), (336, 30449), (352, 30482), (360, 30497), (367, 30509), (392, 30539), (396, 30545), (438, 30605), (500, 30695), (541, 30785), (552, 30809), (556, 30821), (584, 30887), (606, 30938),

Gene: Santhid_17 Start: 14146, Stop: 14988, Start Num: 109

Candidate Starts for Santhid_17:

(80, 14107), (Start: 109 @14146 has 16 MA's), (155, 14215), (170, 14245), (177, 14266), (191, 14299), (207, 14344), (331, 14551), (434, 14683), (540, 14812), (558, 14854), (586, 14914), (590, 14920), (605, 14959),

Gene: Sapo_15 Start: 13755, Stop: 14621, Start Num: 72

Candidate Starts for Sapo_15:

(Start: 72 @13755 has 35 MA's), (Start: 112 @13791 has 15 MA's), (142, 13827), (216, 13995), (217, 13998), (290, 14118), (309, 14148), (334, 14196), (335, 14199), (336, 14202), (347, 14226), (401, 14286), (476, 14373), (560, 14553),

Gene: Saronaya_33 Start: 28679, Stop: 29635, Start Num: 85

Candidate Starts for Saronaya_33:

(Start: 85 @28679 has 58 MA's), (177, 28820), (194, 28865), (197, 28877), (202, 28889), (209, 28904), (213, 28916), (234, 28943), (244, 28958), (255, 28985), (319, 29075), (336, 29111), (367, 29171), (396, 29207), (438, 29267), (500, 29357), (541, 29447), (552, 29471), (556, 29483), (584, 29549), (591, 29564), (602, 29588), (606, 29600),

Gene: Sarshaun_17 Start: 16107, Stop: 17021, Start Num: 103

Candidate Starts for Sarshaun_17:

(Start: 103 @16107 has 86 MA's), (147, 16161), (206, 16287), (246, 16359), (328, 16512), (329, 16515), (331, 16518), (345, 16548), (398, 16605), (411, 16629), (425, 16635), (486, 16704), (495, 16722), (502, 16743), (527, 16797), (532, 16809), (558, 16872), (614, 17001), (619, 17013),

Gene: Saskia_26 Start: 19730, Stop: 20752, Start Num: 106

Candidate Starts for Saskia_26:

(Start: 106 @19730 has 240 MA's), (147, 19787), (183, 19862), (242, 19991), (270, 20051), (304, 20111), (311, 20117), (331, 20159), (353, 20204), (355, 20210), (401, 20294), (426, 20327), (558, 20609), (561, 20618), (568, 20633), (600, 20699),

Gene: Savbucketdawg_30 Start: 24699, Stop: 25643, Start Num: 91

Candidate Starts for Savbucketdawg_30:

(Start: 91 @24699 has 34 MA's), (161, 24804), (192, 24873), (194, 24879), (202, 24903), (209, 24918), (438, 25278), (443, 25293), (456, 25311), (522, 25413), (541, 25455), (556, 25491), (598, 25587), (617, 25638),

Gene: Scarlett_21 Start: 15263, Stop: 16399, Start Num: 31

Candidate Starts for Scarlett_21:

(Start: 31 @15263 has 231 MA's), (Start: 67 @15380 has 6 MA's), (Start: 84 @15398 has 6 MA's), (154, 15491), (178, 15539), (261, 15740), (293, 15794), (319, 15839), (328, 15860), (351, 15914), (370, 15947), (390, 15965), (500, 16118), (501, 16121), (522, 16172), (539, 16211), (584, 16328), (601, 16367), (608, 16385),

Gene: Scherzo_28 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for Scherzo_28:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: Schiebel_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Schiebel_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Schmidt_19 Start: 13858, Stop: 14700, Start Num: 118

Candidate Starts for Schmidt_19:

(Start: 115 @13855 has 6 MA's), (Start: 118 @13858 has 5 MA's), (127, 13873), (135, 13879), (166, 13939), (168, 13942), (Start: 211 @14056 has 1 MA's), (214, 14068), (216, 14074), (233, 14101), (289, 14221), (324, 14272), (334, 14290), (363, 14350), (380, 14377), (406, 14410), (490, 14533), (522, 14614), (541, 14659), (544, 14668),

Gene: Schnabeltier_18 Start: 16103, Stop: 16966, Start Num: 151

Candidate Starts for Schnabeltier_18:

(39, 15905), (40, 15908), (86, 16022), (Start: 106 @16040 has 240 MA's), (Start: 117 @16049 has 6 MA's), (147, 16091), (Start: 151 @16103 has 1 MA's), (259, 16325), (283, 16370), (299, 16394), (313, 16400), (317, 16409), (320, 16415), (335, 16445), (353, 16475), (371, 16505), (375, 16511), (421, 16571), (424, 16574), (438, 16598), (486, 16655), (496, 16676), (527, 16742), (558, 16811), (616, 16949),

Gene: SchottB_32 Start: 29694, Stop: 30650, Start Num: 85

Candidate Starts for SchottB_32:

(Start: 85 @29694 has 58 MA's), (194, 29880), (197, 29892), (202, 29904), (209, 29919), (213, 29931), (234, 29958), (244, 29973), (255, 30000), (319, 30090), (336, 30126), (367, 30186), (381, 30210), (396, 30222), (438, 30282), (500, 30372), (552, 30486), (556, 30498), (584, 30564), (591, 30579), (602, 30603), (606, 30615),

Gene: Scioto_34 Start: 29777, Stop: 30754, Start Num: 72

Candidate Starts for Scioto_34:

(Start: 72 @29777 has 35 MA's), (135, 29852), (144, 29864), (161, 29900), (180, 29936), (216, 30038), (254, 30092), (287, 30164), (328, 30227), (332, 30236), (359, 30293), (379, 30326), (405, 30359), (407, 30362), (445, 30419), (502, 30515), (514, 30548), (520, 30557), (532, 30578), (543, 30605), (550, 30626), (554, 30635), (556, 30641), (569, 30674), (570, 30677), (594, 30731), (600, 30743),

Gene: Scorpia_24 Start: 17939, Stop: 18952, Start Num: 114

Candidate Starts for Scorpia_24:

(Start: 114 @17939 has 85 MA's), (186, 18068), (188, 18071), (199, 18110), (270, 18245), (282, 18275), (304, 18305), (311, 18311), (320, 18329), (331, 18353), (351, 18395), (558, 18809), (600, 18899),

Gene: Scuba_49 Start: 29835, Stop: 30755, Start Num: 87

Candidate Starts for Scuba_49:

(Start: 87 @29835 has 26 MA's), (150, 29916), (188, 29991), (206, 30042), (267, 30156), (398, 30363), (558, 30624), (587, 30687), (600, 30720),

Gene: Sedona_34 Start: 30954, Stop: 31910, Start Num: 85

Candidate Starts for Sedona_34:

(Start: 85 @30954 has 58 MA's), (194, 31140), (197, 31152), (209, 31179), (319, 31350), (336, 31386), (352, 31419), (360, 31434), (367, 31446), (392, 31476), (396, 31482), (438, 31542), (500, 31632), (541, 31722), (552, 31746), (556, 31758), (584, 31824), (591, 31839), (602, 31863), (606, 31875),

Gene: SemperFi_29 Start: 19522, Stop: 20538, Start Num: 106

Candidate Starts for SemperFi_29:

(Start: 106 @19522 has 240 MA's), (161, 19597), (173, 19615), (188, 19651), (199, 19690), (311, 19897), (329, 19936), (331, 19939), (473, 20206), (521, 20308), (554, 20383), (558, 20395), (600, 20485),

Gene: Sendy_31 Start: 25124, Stop: 26068, Start Num: 91

Candidate Starts for Sendy_31:

(Start: 91 @25124 has 34 MA's), (161, 25229), (192, 25298), (194, 25304), (202, 25328), (209, 25343), (438, 25703), (443, 25718), (456, 25736), (522, 25838), (541, 25880), (556, 25916), (598, 26012), (617, 26063),

Gene: Sephiroth_27 Start: 21043, Stop: 21954, Start Num: 100

Candidate Starts for Sephiroth_27:

(Start: 100 @21043 has 6 MA's), (Start: 114 @21058 has 85 MA's), (267, 21349), (320, 21451), (328, 21469), (331, 21475), (411, 21586), (425, 21592), (454, 21640), (504, 21718), (505, 21721), (506, 21724), (531, 21772), (554, 21826), (571, 21868), (597, 21904), (598, 21907), (604, 21922),

Gene: Serenity_26 Start: 18134, Stop: 19144, Start Num: 106

Candidate Starts for Serenity_26:

(Start: 106 @18134 has 240 MA's), (147, 18188), (161, 18209), (173, 18227), (199, 18302), (287, 18479), (311, 18509), (329, 18548), (331, 18551), (353, 18596), (455, 18779), (521, 18914), (554, 18989), (558, 19001),

Gene: SgtBeansprout_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for SgtBeansprout_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: ShaboiShabazz_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for ShaboiShabazz_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Shadow1_20 Start: 15075, Stop: 16214, Start Num: 31

Candidate Starts for Shadow1_20:

(Start: 31 @15075 has 231 MA's), (Start: 67 @15195 has 6 MA's), (140, 15285), (178, 15354), (261, 15555), (334, 15690), (335, 15693), (370, 15762), (390, 15780), (431, 15840), (461, 15861), (476, 15891), (500, 15933), (501, 15936), (502, 15939), (539, 16026), (547, 16050), (575, 16128), (584, 16143), (601, 16182), (608, 16200),

Gene: Sham4_27 Start: 19733, Stop: 20755, Start Num: 106

Candidate Starts for Sham4_27:

(Start: 106 @19733 has 240 MA's), (147, 19790), (183, 19865), (242, 19994), (270, 20054), (304, 20114), (311, 20120), (331, 20162), (353, 20207), (355, 20213), (401, 20297), (426, 20330), (558, 20612), (561, 20621), (568, 20636), (600, 20702),

Gene: Shaobing_22 Start: 15375, Stop: 16514, Start Num: 31

Candidate Starts for Shaobing_22:

(Start: 31 @15375 has 231 MA's), (Start: 67 @15495 has 6 MA's), (140, 15585), (178, 15654), (214, 15753), (215, 15756), (261, 15855), (293, 15909), (334, 15990), (372, 16065), (390, 16080), (465, 16167), (476, 16191), (500, 16233), (501, 16236), (522, 16287), (539, 16326), (568, 16410), (575, 16428), (584, 16443), (601, 16482), (608, 16500),

Gene: ShawBrad_19 Start: 15516, Stop: 16439, Start Num: 112

Candidate Starts for ShawBrad_19:

(Start: 112 @15516 has 15 MA's), (Start: 117 @15519 has 6 MA's), (125, 15531), (139, 15549), (163, 15594), (183, 15633), (197, 15672), (Start: 211 @15705 has 1 MA's), (213, 15711), (252, 15780), (283, 15837), (286, 15840), (293, 15852), (317, 15876), (320, 15882), (328, 15900), (360, 15954), (367, 15966), (371, 15972), (388, 15993), (424, 16041), (435, 16059), (438, 16065), (443, 16080), (445, 16083), (539, 16236), (540, 16239), (543, 16245), (558, 16278), (566, 16296), (579, 16329), (603, 16380), (609, 16395), (622, 16431),

Gene: ShayRa_30 Start: 18241, Stop: 19218, Start Num: 110

Candidate Starts for ShayRa_30:

(Start: 110 @18241 has 84 MA's), (183, 18355), (186, 18361), (188, 18364), (297, 18598), (452, 18865), (493, 18919), (558, 19075),

Gene: SheaKeira_27 Start: 18709, Stop: 19731, Start Num: 106

Candidate Starts for SheaKeira_27:

(Start: 106 @18709 has 240 MA's), (Start: 122 @18727 has 2 MA's), (147, 18763), (161, 18784), (173, 18802), (188, 18838), (242, 18958), (270, 19018), (287, 19054), (311, 19084), (331, 19126), (407,

19276), (466, 19372), (467, 19378), (554, 19576), (558, 19588), (561, 19597), (568, 19612), (600, 19678),

Gene: SheckWes_16 Start: 14462, Stop: 15418, Start Num: 110

Candidate Starts for SheckWes_16:

(Start: 110 @14462 has 84 MA's), (143, 14507), (183, 14591), (202, 14645), (213, 14672), (247, 14723), (249, 14726), (252, 14732), (254, 14735), (281, 14789), (291, 14804), (320, 14849), (331, 14873), (342, 14888), (371, 14939), (438, 15035), (539, 15218), (540, 15221), (553, 15251), (556, 15260), (579, 15317), (603, 15368), (616, 15404), (618, 15410),

Gene: ShedlockHolmes_21 Start: 16440, Stop: 17576, Start Num: 31

Candidate Starts for ShedlockHolmes_21:

(Start: 31 @16440 has 231 MA's), (Start: 67 @16563 has 6 MA's), (121, 16626), (124, 16632), (147, 16662), (208, 16800), (214, 16821), (216, 16827), (244, 16884), (261, 16923), (278, 16953), (328, 17040), (342, 17076), (461, 17223), (476, 17253), (480, 17262), (500, 17295), (501, 17298), (502, 17301), (539, 17388), (569, 17475), (599, 17538), (601, 17544),

Gene: Sheng711_17 Start: 15761, Stop: 16579, Start Num: 155

Candidate Starts for Sheng711_17:

(Start: 103 @15692 has 86 MA's), (125, 15716), (145, 15743), (147, 15746), (155, 15761), (174, 15794), (212, 15890), (287, 16025), (292, 16034), (329, 16094), (331, 16097), (376, 16175), (401, 16190), (425, 16214), (450, 16247), (486, 16283), (497, 16307), (503, 16325), (505, 16334), (527, 16376), (538, 16403), (558, 16451), (571, 16478), (614, 16562),

Gene: ShiaSurprise_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for ShiaSurprise_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Shinji_30 Start: 24894, Stop: 25838, Start Num: 91

Candidate Starts for Shinji_30:

(Start: 91 @24894 has 34 MA's), (161, 24999), (192, 25068), (194, 25074), (202, 25098), (209, 25113), (438, 25473), (443, 25488), (456, 25506), (522, 25608), (541, 25650), (556, 25686), (598, 25782), (617, 25833),

Gene: Shivanishola_35 Start: 29916, Stop: 30872, Start Num: 85

Candidate Starts for Shivanishola_35:

(Start: 85 @29916 has 58 MA's), (194, 30102), (197, 30114), (209, 30141), (319, 30312), (336, 30348), (352, 30381), (360, 30396), (367, 30408), (392, 30438), (396, 30444), (438, 30504), (500, 30594), (541, 30684), (552, 30708), (556, 30720), (584, 30786), (591, 30801), (602, 30825), (606, 30837),

Gene: Shuman_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Shuman_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (521, 16116), (530, 16134), (558, 16203), (615, 16341),

Gene: SilverChicken_18 Start: 12813, Stop: 13742, Start Num: 101

Candidate Starts for SilverChicken_18:

(Start: 101 @12813 has 12 MA's), (147, 12873), (173, 12924), (Start: 211 @13023 has 1 MA's), (213, 13029), (218, 13044), (293, 13164), (315, 13182), (349, 13248), (356, 13260), (386, 13305), (419, 13344), (424, 13350), (438, 13374), (439, 13377), (440, 13380), (443, 13389), (445, 13392), (498,

13458), (504, 13479), (505, 13482), (527, 13518), (539, 13545), (540, 13548), (558, 13587), (566, 13605), (568, 13611), (584, 13647), (587, 13653), (598, 13677), (601, 13683), (603, 13689),

Gene: Silverleaf_17 Start: 15865, Stop: 16746, Start Num: 103

Candidate Starts for Silverleaf_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: SirPhilip_21 Start: 14868, Stop: 16001, Start Num: 31

Candidate Starts for SirPhilip_21:

(Start: 31 @14868 has 231 MA's), (Start: 67 @14985 has 6 MA's), (154, 15096), (178, 15144), (215, 15246), (216, 15249), (261, 15345), (293, 15399), (328, 15462), (333, 15474), (370, 15549), (390, 15567), (433, 15630), (465, 15654), (477, 15681), (500, 15720), (501, 15723), (539, 15813), (569, 15900), (584, 15930), (597, 15957), (601, 15969), (608, 15987),

Gene: Sitar_34 Start: 31006, Stop: 31962, Start Num: 85

Candidate Starts for Sitar_34:

(Start: 85 @31006 has 58 MA's), (194, 31192), (197, 31204), (209, 31231), (215, 31252), (255, 31312), (317, 31399), (319, 31402), (336, 31438), (352, 31471), (360, 31486), (367, 31498), (392, 31528), (396, 31534), (438, 31594), (500, 31684), (541, 31774), (552, 31798), (556, 31810), (584, 31876), (606, 31927), (617, 31957),

Gene: Sixama_98 Start: 58478, Stop: 59413, Start Num: 84

Candidate Starts for Sixama_98:

(Start: 84 @58478 has 6 MA's), (Start: 97 @58493 has 2 MA's), (Start: 109 @58505 has 16 MA's), (163, 58601), (167, 58604), (178, 58625), (313, 58883), (326, 58913), (335, 58931), (339, 58940), (452, 59126), (482, 59168), (512, 59240), (514, 59243), (516, 59246), (532, 59273), (540, 59291), (547, 59312), (556, 59336), (573, 59381),

Gene: Sixsevenium_31 Start: 24839, Stop: 25771, Start Num: 91

Candidate Starts for Sixsevenium_31:

(Start: 91 @24839 has 34 MA's), (161, 24935), (192, 25004), (194, 25010), (197, 25022), (198, 25025), (202, 25034), (209, 25049), (319, 25223), (336, 25259), (419, 25376), (438, 25406), (522, 25541), (539, 25577), (552, 25607), (556, 25619), (589, 25694), (598, 25715),

Gene: Sizemore_17 Start: 15478, Stop: 16650, Start Num: 31

Candidate Starts for Sizemore_17:

(5, 15145), (Start: 31 @15478 has 231 MA's), (Start: 67 @15598 has 6 MA's), (Start: 84 @15616 has 6 MA's), (121, 15661), (124, 15667), (161, 15730), (180, 15766), (207, 15835), (208, 15838), (214, 15859), (240, 15913), (261, 15958), (278, 15988), (333, 16090), (338, 16102), (342, 16114), (351, 16132), (461, 16297), (476, 16327), (491, 16345), (500, 16369), (548, 16489), (584, 16579), (599, 16612),

Gene: SketchMex_16 Start: 14412, Stop: 15383, Start Num: 110

Candidate Starts for SketchMex_16:

(Start: 110 @14412 has 84 MA's), (143, 14457), (155, 14478), (183, 14541), (192, 14565), (202, 14595), (247, 14673), (252, 14682), (254, 14685), (288, 14751), (320, 14799), (344, 14841), (360, 14871), (371, 14889), (402, 14940), (438, 15000), (443, 15015), (445, 15018), (457, 15042), (504, 15114), (511, 15132), (539, 15183), (540, 15186), (553, 15216), (556, 15225), (561, 15240), (587, 15297), (608, 15345), (616, 15369), (618, 15375),

Gene: Skinny_28 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for Skinny_28:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: Sknot_27 Start: 19201, Stop: 20217, Start Num: 106

Candidate Starts for Sknot_27:

(Start: 106 @19201 has 240 MA's), (161, 19276), (173, 19294), (188, 19330), (199, 19369), (287, 19546), (311, 19576), (329, 19615), (331, 19618), (558, 20074), (568, 20098),

Gene: Skysand_42 Start: 29992, Stop: 30909, Start Num: 87

Candidate Starts for Skysand_42:

(Start: 87 @29992 has 26 MA's), (150, 30070), (188, 30145), (240, 30253), (278, 30337), (398, 30517), (401, 30523), (535, 30739), (558, 30778), (592, 30853), (597, 30865), (600, 30874), (608, 30895),

Gene: Slarp_23 Start: 17500, Stop: 18633, Start Num: 31

Candidate Starts for Slarp_23:

(Start: 31 @17500 has 231 MA's), (38, 17518), (54, 17590), (Start: 67 @17620 has 6 MA's), (140, 17710), (162, 17752), (177, 17776), (215, 17881), (293, 18034), (331, 18103), (333, 18109), (433, 18262), (461, 18280), (476, 18310), (500, 18352), (501, 18355), (584, 18562), (601, 18601), (608, 18619),

Gene: Sleepyhead_17 Start: 14846, Stop: 15721, Start Num: 57

Candidate Starts for Sleepyhead_17:

(26, 14705), (27, 14714), (Start: 57 @14846 has 2 MA's), (Start: 98 @14897 has 1 MA's), (104, 14903), (Start: 112 @14912 has 15 MA's), (153, 14972), (322, 15296), (327, 15308), (333, 15320), (335, 15326), (350, 15359), (362, 15380), (420, 15428), (476, 15494), (477, 15497), (480, 15503), (525, 15581), (533, 15596), (570, 15689),

Gene: SlimJimmy_26 Start: 21443, Stop: 22354, Start Num: 96

Candidate Starts for SlimJimmy_26:

(Start: 96 @21443 has 21 MA's), (167, 21545), (177, 21563), (183, 21578), (212, 21650), (214, 21659), (260, 21737), (328, 21872), (329, 21875), (331, 21878), (368, 21947), (411, 21989), (425, 21995), (515, 22136), (527, 22157), (532, 22169), (596, 22292), (601, 22304),

Gene: Slimphazie_22 Start: 16018, Stop: 17154, Start Num: 31

Candidate Starts for Slimphazie_22:

(Start: 31 @16018 has 231 MA's), (Start: 67 @16135 has 6 MA's), (140, 16225), (154, 16246), (162, 16267), (178, 16294), (293, 16549), (334, 16630), (372, 16705), (390, 16720), (476, 16831), (500, 16873), (539, 16966), (547, 16990), (584, 17083), (601, 17122), (608, 17140),

Gene: Smeadley_23 Start: 17633, Stop: 18655, Start Num: 114

Candidate Starts for Smeadley_23:

(Start: 114 @17633 has 85 MA's), (183, 17756), (186, 17762), (212, 17834), (270, 17939), (280, 17966), (331, 18056), (440, 18257), (454, 18287), (455, 18290), (554, 18500), (569, 18539), (592, 18587), (600, 18602),

Gene: Smeagan_29 Start: 19679, Stop: 20695, Start Num: 106

Candidate Starts for Smeagan_29:

(Start: 106 @19679 has 240 MA's), (161, 19754), (173, 19772), (188, 19808), (199, 19847), (311, 20054), (329, 20093), (331, 20096), (377, 20183), (473, 20363), (521, 20465), (554, 20540), (558, 20552),

Gene: SmellyB_30 Start: 18966, Stop: 19979, Start Num: 106

Candidate Starts for SmellyB_30:

(Start: 106 @18966 has 240 MA's), (147, 19020), (173, 19059), (212, 19164), (287, 19311), (311, 19341), (329, 19380), (331, 19383), (353, 19428), (385, 19488), (495, 19686), (558, 19836), (561, 19845),

Gene: SmokingBunny_30 Start: 24909, Stop: 25853, Start Num: 91

Candidate Starts for SmokingBunny_30:

(Start: 91 @24909 has 34 MA's), (161, 25014), (192, 25083), (194, 25089), (202, 25113), (209, 25128), (438, 25488), (443, 25503), (456, 25521), (522, 25623), (541, 25665), (556, 25701), (598, 25797), (617, 25848),

Gene: Smoothie_48 Start: 28706, Stop: 29593, Start Num: 70

Candidate Starts for Smoothie_48:

(Start: 70 @28706 has 25 MA's), (Start: 76 @28712 has 13 MA's), (119, 28760), (140, 28787), (179, 28859), (205, 28925), (214, 28955), (279, 29063), (333, 29156), (343, 29180), (350, 29195), (433, 29291), (476, 29339), (558, 29519), (571, 29555),

Gene: SnapTap_27 Start: 19105, Stop: 20121, Start Num: 106

Candidate Starts for SnapTap_27:

(Start: 106 @19105 has 240 MA's), (161, 19180), (173, 19198), (188, 19234), (199, 19273), (311, 19480), (329, 19519), (331, 19522), (473, 19789), (521, 19891), (554, 19966), (558, 19978), (600, 20068),

Gene: Snape_27 Start: 19733, Stop: 20755, Start Num: 106

Candidate Starts for Snape_27:

(Start: 106 @19733 has 240 MA's), (147, 19790), (183, 19865), (242, 19994), (270, 20054), (304, 20114), (311, 20120), (331, 20162), (353, 20207), (355, 20213), (401, 20297), (426, 20330), (558, 20612), (561, 20621), (568, 20636), (600, 20702),

Gene: Sneeze_17 Start: 15478, Stop: 16656, Start Num: 31

Candidate Starts for Sneeze_17:

(4, 15082), (5, 15142), (Start: 31 @15478 has 231 MA's), (Start: 67 @15604 has 6 MA's), (Start: 84 @15622 has 6 MA's), (121, 15667), (124, 15673), (161, 15736), (180, 15772), (207, 15841), (208, 15844), (214, 15865), (240, 15919), (278, 15994), (333, 16096), (338, 16108), (461, 16303), (476, 16333), (491, 16351), (500, 16375), (542, 16477), (548, 16495), (584, 16585), (599, 16618),

Gene: Snenia_18 Start: 16491, Stop: 17381, Start Num: 103

Candidate Starts for Snenia_18:

(Start: 103 @16491 has 86 MA's), (125, 16515), (155, 16560), (161, 16575), (174, 16596), (212, 16692), (287, 16827), (292, 16836), (329, 16896), (331, 16899), (335, 16905), (376, 16977), (411, 17010), (429, 17022), (486, 17085), (506, 17139), (517, 17160), (540, 17211), (558, 17253), (614, 17364), (615, 17367),

Gene: SoJulia_17 Start: 16073, Stop: 16987, Start Num: 103

Candidate Starts for SoJulia_17:

(Start: 103 @16073 has 86 MA's), (125, 16097), (147, 16127), (206, 16253), (246, 16325), (328, 16478), (329, 16481), (331, 16484), (345, 16514), (398, 16571), (411, 16595), (425, 16601), (486, 16670), (495, 16688), (502, 16709), (532, 16775), (558, 16838), (614, 16967), (619, 16979),

Gene: SoSeph_20 Start: 16471, Stop: 17601, Start Num: 37

Candidate Starts for SoSeph_20:

(Start: 37 @16471 has 23 MA's), (121, 16645), (161, 16711), (162, 16714), (178, 16741), (214, 16840), (261, 16942), (293, 16996), (311, 17026), (328, 17062), (329, 17065), (333, 17074), (370, 17149), (372, 17152), (404, 17188), (433, 17230), (461, 17248), (465, 17254), (476, 17278), (477, 17281), (480, 17287), (500, 17320), (584, 17530), (601, 17569), (608, 17587),

Gene: Soap141_17 Start: 16107, Stop: 17021, Start Num: 103

Candidate Starts for Soap141_17:

(Start: 103 @16107 has 86 MA's), (147, 16161), (206, 16287), (246, 16359), (328, 16512), (329, 16515), (331, 16518), (345, 16548), (398, 16605), (411, 16629), (425, 16635), (486, 16704), (495, 16722), (502, 16743), (527, 16797), (532, 16809), (558, 16872), (614, 17001), (619, 17013),

Gene: Socotra_18 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Socotra_18:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (539, 15535), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Soilmate_18 Start: 15754, Stop: 16620, Start Num: 67

Candidate Starts for Soilmate_18:

(Start: 67 @15754 has 6 MA's), (Start: 73 @15760 has 29 MA's), (183, 15916), (213, 15997), (275, 16096), (334, 16204), (398, 16288), (461, 16354), (465, 16360), (538, 16489), (553, 16531),

Gene: Solid_15 Start: 11283, Stop: 12224, Start Num: 83

Candidate Starts for Solid_15:

(74, 11268), (Start: 79 @11274 has 1 MA's), (81, 11277), (Start: 83 @11283 has 44 MA's), (Start: 110 @11316 has 84 MA's), (Start: 115 @11322 has 6 MA's), (124, 11331), (126, 11334), (149, 11361), (154, 11370), (166, 11400), (168, 11403), (170, 11406), (174, 11418), (177, 11427), (179, 11433), (194, 11472), (206, 11502), (Start: 211 @11517 has 1 MA's), (214, 11529), (215, 11532), (216, 11535), (242, 11583), (249, 11601), (267, 11637), (270, 11643), (280, 11670), (282, 11673), (294, 11694), (319, 11721), (329, 11745), (335, 11754), (375, 11829), (406, 11871), (408, 11874), (410, 11877), (417, 11889), (441, 11928), (447, 11943), (458, 11964), (479, 11979), (489, 11994), (492, 12000), (499, 12018), (521, 12072), (522, 12075), (531, 12093), (532, 12096), (554, 12153), (558, 12165), (561, 12174), (567, 12189), (569, 12195), (574, 12210),

Gene: Sopespian_17 Start: 14765, Stop: 15736, Start Num: 110

Candidate Starts for Sopespian_17:

(Start: 110 @14765 has 84 MA's), (143, 14810), (155, 14831), (183, 14894), (192, 14918), (202, 14948), (216, 14987), (247, 15026), (252, 15035), (254, 15038), (288, 15104), (320, 15152), (344, 15194), (371, 15242), (402, 15293), (438, 15353), (443, 15368), (445, 15371), (454, 15389), (457, 15395), (496, 15440), (504, 15467), (511, 15485), (540, 15539), (553, 15569), (556, 15578), (561, 15593), (587, 15650), (608, 15698), (616, 15722), (618, 15728),

Gene: SororFago_26 Start: 18177, Stop: 19199, Start Num: 106

Candidate Starts for SororFago_26:

(Start: 106 @18177 has 240 MA's), (Start: 122 @18195 has 2 MA's), (147, 18231), (161, 18252), (173, 18270), (216, 18390), (287, 18522), (311, 18552), (329, 18591), (331, 18594), (445, 18804), (466, 18840), (495, 18906), (558, 19056), (568, 19080),

Gene: Soul22_18 Start: 12811, Stop: 13740, Start Num: 101

Candidate Starts for Soul22_18:

(Start: 101 @12811 has 12 MA's), (147, 12871), (173, 12922), (Start: 211 @13021 has 1 MA's), (213, 13027), (218, 13042), (293, 13162), (315, 13180), (349, 13246), (356, 13258), (386, 13303), (419, 13342), (424, 13348), (438, 13372), (439, 13375), (440, 13378), (498, 13456), (504, 13477), (505, 13480), (527, 13516), (539, 13543), (540, 13546), (558, 13585), (566, 13603), (568, 13609), (584, 13645), (598, 13675), (601, 13681), (603, 13687),

Gene: Soups_29 Start: 18241, Stop: 19218, Start Num: 110

Candidate Starts for Soups_29:

(Start: 110 @18241 has 84 MA's), (183, 18355), (186, 18361), (188, 18364), (297, 18598), (452, 18865), (493, 18919), (558, 19075),

Gene: Sparky_15 Start: 15127, Stop: 16143, Start Num: 78

Candidate Starts for Sparky_15:

(Start: 78 @15127 has 2 MA's), (82, 15136), (107, 15166), (156, 15235), (164, 15256), (214, 15376), (217, 15385), (254, 15472), (287, 15538), (331, 15625), (335, 15631), (398, 15715), (411, 15739), (422, 15742), (540, 15940), (546, 15952), (561, 15991), (578, 16018), (586, 16033), (619, 16123),

Gene: SpeedDemon_310 Start: 28038, Stop: 28922, Start Num: 70

Candidate Starts for SpeedDemon_310:

(Start: 70 @28038 has 25 MA's), (Start: 93 @28059 has 8 MA's), (140, 28113), (179, 28185), (183, 28194), (239, 28314), (270, 28365), (275, 28374), (293, 28410), (333, 28482), (335, 28488), (433, 28617), (476, 28665), (514, 28740), (538, 28788),

Gene: Splinter_21 Start: 15645, Stop: 16475, Start Num: 118

Candidate Starts for Splinter_21:

(Start: 115 @15642 has 6 MA's), (Start: 118 @15645 has 5 MA's), (135, 15660), (158, 15699), (166, 15720), (168, 15723), (221, 15867), (324, 16053), (358, 16122), (432, 16224), (487, 16305), (490, 16308), (522, 16389), (524, 16395), (531, 16407), (532, 16410), (541, 16434),

Gene: Spock_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Spock_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Spooky_19 Start: 15489, Stop: 16412, Start Num: 112

Candidate Starts for Spooky_19:

(Start: 112 @15489 has 15 MA's), (Start: 117 @15492 has 6 MA's), (125, 15504), (139, 15522), (163, 15567), (173, 15582), (178, 15594), (183, 15606), (197, 15645), (Start: 211 @15678 has 1 MA's), (252, 15753), (281, 15807), (286, 15813), (317, 15849), (320, 15855), (360, 15927), (367, 15939), (371, 15945), (416, 16005), (424, 16014), (438, 16038), (443, 16053), (445, 16056), (494, 16110), (539, 16209), (540, 16212), (543, 16218), (558, 16251), (564, 16266), (566, 16269), (581, 16305),

Gene: Spouty_28 Start: 20557, Stop: 21570, Start Num: 106

Candidate Starts for Spouty_28:

(Start: 106 @20557 has 240 MA's), (Start: 122 @20575 has 2 MA's), (161, 20632), (173, 20650), (188, 20686), (270, 20866), (287, 20902), (311, 20932), (331, 20974), (415, 21133), (495, 21277), (521, 21340), (554, 21415), (558, 21427), (568, 21451),

Gene: Sprinklemunch_17 Start: 15003, Stop: 16091, Start Num: 50

Candidate Starts for Sprinklemunch_17:

(Start: 50 @15003 has 6 MA's), (Start: 60 @15030 has 18 MA's), (140, 15123), (162, 15165), (188, 15213), (251, 15381), (263, 15405), (266, 15411), (304, 15483), (308, 15492), (310, 15495), (401,

15645), (417, 15672), (444, 15714), (471, 15762), (540, 15912), (554, 15954), (567, 15987), (581, 16017), (584, 16023), (600, 16059), (601, 16062),

Gene: Squiddly_21 Start: 16901, Stop: 17824, Start Num: 112

Candidate Starts for Squiddly_21:

(Start: 112 @16901 has 15 MA's), (Start: 117 @16904 has 6 MA's), (125, 16916), (139, 16934), (163, 16979), (173, 16994), (178, 17006), (183, 17018), (197, 17057), (Start: 211 @17090 has 1 MA's), (252, 17165), (281, 17219), (283, 17222), (286, 17225), (293, 17237), (315, 17255), (317, 17261), (320, 17267), (360, 17339), (367, 17351), (371, 17357), (388, 17378), (424, 17426), (438, 17450), (443, 17465), (445, 17468), (539, 17621), (540, 17624), (543, 17630), (558, 17663), (564, 17678), (566, 17681), (581, 17717), (603, 17765),

Gene: StCroix_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for StCroix_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: StarStruck_41 Start: 29510, Stop: 30433, Start Num: 87

Candidate Starts for StarStruck_41:

(Start: 87 @29510 has 26 MA's), (150, 29597), (169, 29633), (188, 29672), (398, 30041), (500, 30185), (558, 30302), (600, 30398), (602, 30404), (608, 30419),

Gene: StarStuff_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for StarStuff_30:

(Start: 106 @19042 has 240 MA's), (147, 19096), (161, 19117), (173, 19135), (247, 19306), (282, 19381), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: Starburst_18 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Starburst_18:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (539, 15535), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Stargaze_17 Start: 15800, Stop: 16978, Start Num: 31

Candidate Starts for Stargaze_17:

(Start: 31 @15800 has 231 MA's), (Start: 84 @15944 has 6 MA's), (124, 15995), (162, 16061), (163, 16064), (207, 16163), (208, 16166), (215, 16190), (236, 16235), (240, 16241), (338, 16430), (368, 16490), (445, 16598), (450, 16610), (476, 16655), (500, 16697), (567, 16871), (568, 16874), (575, 16892), (597, 16934), (599, 16940),

Gene: SteamedHams_19 Start: 14430, Stop: 15401, Start Num: 110

Candidate Starts for SteamedHams_19:

(Start: 110 @14430 has 84 MA's), (143, 14475), (155, 14496), (161, 14511), (173, 14532), (192, 14583), (202, 14613), (213, 14640), (247, 14691), (252, 14700), (254, 14703), (281, 14757), (288, 14769), (320, 14817), (371, 14907), (402, 14958), (419, 14988), (438, 15018), (445, 15036), (504, 15132), (511, 15150), (539, 15201), (540, 15204), (553, 15234), (556, 15243), (561, 15258), (587, 15315), (608, 15363), (616, 15387), (618, 15393),

Gene: Steamy_28 Start: 20226, Stop: 21242, Start Num: 106

Candidate Starts for Steamy_28:

(Start: 106 @20226 has 240 MA's), (161, 20301), (173, 20319), (188, 20355), (199, 20394), (212, 20424), (311, 20601), (331, 20643), (377, 20730), (511, 20997), (558, 21099),

Gene: Stellammi_15 Start: 12876, Stop: 13808, Start Num: 162

Candidate Starts for Stellammi_15:

(49, 12708), (55, 12723), (136, 12831), (147, 12843), (161, 12873), (162, 12876), (177, 12900), (178, 12903), (188, 12924), (189, 12927), (213, 12996), (214, 13002), (244, 13080), (246, 13083), (275, 13137), (290, 13167), (298, 13179), (328, 13239), (333, 13251), (336, 13260), (374, 13332), (383, 13353), (384, 13356), (393, 13377), (395, 13383), (418, 13428), (491, 13503), (500, 13527), (501, 13530), (502, 13533), (510, 13560), (532, 13602), (534, 13605), (539, 13620), (543, 13632), (544, 13635), (552, 13659), (554, 13665), (575, 13722), (581, 13731), (584, 13737), (600, 13773), (608, 13794),

Gene: Stephig9_23 Start: 17614, Stop: 18636, Start Num: 114

Candidate Starts for Stephig9_23:

(Start: 114 @17614 has 85 MA's), (183, 17737), (186, 17743), (212, 17815), (270, 17920), (282, 17950), (331, 18037), (393, 18157), (440, 18238), (454, 18268), (455, 18271), (511, 18391), (554, 18481), (569, 18520), (592, 18568), (600, 18583),

Gene: Stichling_31 Start: 28214, Stop: 29170, Start Num: 85

Candidate Starts for Stichling_31:

(Start: 85 @28214 has 58 MA's), (194, 28400), (197, 28412), (202, 28424), (209, 28439), (213, 28451), (234, 28478), (244, 28493), (255, 28520), (319, 28610), (336, 28646), (367, 28706), (381, 28730), (396, 28742), (438, 28802), (500, 28892), (552, 29006), (556, 29018), (584, 29084), (591, 29099), (602, 29123), (606, 29135),

Gene: Stickynote_32 Start: 27883, Stop: 28749, Start Num: 72

Candidate Starts for Stickynote_32:

(Start: 72 @27883 has 35 MA's), (88, 27907), (128, 27952), (161, 28012), (181, 28051), (216, 28147), (313, 28309), (328, 28342), (398, 28417), (411, 28441), (505, 28516), (537, 28582), (558, 28618), (596, 28702),

Gene: Stinson_22 Start: 15984, Stop: 17120, Start Num: 31

Candidate Starts for Stinson_22:

(Start: 31 @15984 has 231 MA's), (Start: 67 @16101 has 6 MA's), (154, 16212), (162, 16233), (178, 16260), (215, 16362), (293, 16515), (334, 16596), (372, 16671), (390, 16686), (476, 16797), (500, 16839), (539, 16932), (547, 16956), (584, 17049), (601, 17088), (608, 17106),

Gene: Stormborn_15 Start: 11299, Stop: 12246, Start Num: 83

Candidate Starts for Stormborn_15:

(Start: 79 @11290 has 1 MA's), (81, 11293), (Start: 83 @11299 has 44 MA's), (Start: 110 @11332 has 84 MA's), (126, 11350), (129, 11353), (135, 11359), (149, 11383), (154, 11392), (166, 11422), (168, 11425), (170, 11428), (174, 11440), (177, 11449), (179, 11455), (194, 11494), (206, 11524), (Start: 211 @11539 has 1 MA's), (213, 11545), (216, 11557), (242, 11605), (249, 11623), (267, 11659), (270, 11665), (280, 11692), (294, 11716), (319, 11743), (331, 11770), (335, 11776), (367, 11839), (375, 11851), (406, 11893), (408, 11896), (410, 11899), (441, 11950), (447, 11965), (451, 11974), (458, 11986), (479, 12001), (492, 12022), (521, 12094), (522, 12097), (531, 12115), (532, 12118), (554, 12175), (558, 12187), (561, 12196), (567, 12211), (569, 12217), (574, 12232),

Gene: StorminNorm_33 Start: 28561, Stop: 29517, Start Num: 85

Candidate Starts for StorminNorm_33:

(Start: 85 @28561 has 58 MA's), (194, 28747), (197, 28759), (202, 28771), (209, 28786), (213, 28798), (234, 28825), (244, 28840), (255, 28867), (319, 28957), (336, 28993), (367, 29053), (381, 29077), (396, 29089), (438, 29149), (500, 29239), (552, 29353), (556, 29365), (584, 29431), (591, 29446), (602, 29470), (606, 29482),

Gene: Strobilo_18 Start: 13892, Stop: 15019, Start Num: 33

Candidate Starts for Strobilo_18:

(Start: 33 @13892 has 11 MA's), (38, 13901), (Start: 67 @14003 has 6 MA's), (140, 14093), (162, 14135), (163, 14138), (178, 14162), (214, 14261), (244, 14324), (261, 14363), (293, 14417), (328, 14483), (333, 14495), (355, 14546), (370, 14570), (433, 14648), (461, 14666), (476, 14696), (480, 14705), (500, 14738), (501, 14741), (547, 14855), (575, 14933), (584, 14948), (601, 14987), (608, 15005),

Gene: Strosahl_29 Start: 18083, Stop: 19060, Start Num: 110

Candidate Starts for Strosahl_29:

(Start: 110 @18083 has 84 MA's), (183, 18197), (186, 18203), (188, 18206), (297, 18440), (452, 18707), (493, 18761), (558, 18917),

Gene: Stultus_32 Start: 28933, Stop: 29889, Start Num: 85

Candidate Starts for Stultus_32:

(Start: 85 @28933 has 58 MA's), (194, 29119), (197, 29131), (209, 29158), (215, 29179), (255, 29239), (317, 29326), (319, 29329), (336, 29365), (352, 29398), (360, 29413), (367, 29425), (392, 29455), (396, 29461), (438, 29521), (500, 29611), (541, 29701), (552, 29725), (556, 29737), (584, 29803), (602, 29842), (606, 29854), (617, 29884),

Gene: Sukkupi_42 Start: 28532, Stop: 29452, Start Num: 92

Candidate Starts for Sukkupi_42:

(Start: 92 @28532 has 11 MA's), (150, 28613), (174, 28658), (199, 28727), (287, 28895), (336, 28979), (361, 29030), (401, 29063), (527, 29261), (535, 29279), (558, 29321), (598, 29411), (600, 29417), (608, 29438),

Gene: Sulley_22 Start: 15984, Stop: 17120, Start Num: 31

Candidate Starts for Sulley_22:

(Start: 31 @15984 has 231 MA's), (Start: 67 @16101 has 6 MA's), (140, 16191), (154, 16212), (162, 16233), (178, 16260), (293, 16515), (334, 16596), (372, 16671), (390, 16686), (476, 16797), (500, 16839), (539, 16932), (547, 16956), (584, 17049), (601, 17088), (608, 17106),

Gene: SummitAcademy_16 Start: 14542, Stop: 15498, Start Num: 110

Candidate Starts for SummitAcademy_16:

(Start: 110 @14542 has 84 MA's), (143, 14587), (173, 14644), (183, 14671), (202, 14725), (213, 14752), (247, 14803), (249, 14806), (252, 14812), (254, 14815), (281, 14869), (291, 14884), (320, 14929), (331, 14953), (342, 14968), (371, 15019), (438, 15115), (540, 15301), (553, 15331), (556, 15340), (579, 15397), (603, 15448), (616, 15484), (618, 15490),

Gene: Sunflower1121_20 Start: 15087, Stop: 16226, Start Num: 31

Candidate Starts for Sunflower1121_20:

(Start: 31 @15087 has 231 MA's), (Start: 67 @15207 has 6 MA's), (140, 15297), (178, 15366), (261, 15567), (334, 15702), (335, 15705), (370, 15774), (390, 15792), (431, 15852), (461, 15873), (476, 15903), (500, 15945), (501, 15948), (502, 15951), (539, 16038), (547, 16062), (575, 16140), (584, 16155), (601, 16194), (608, 16212),

Gene: Sunhee_25 Start: 18210, Stop: 19235, Start Num: 103

Candidate Starts for Sunhee_25:

(Start: 103 @18210 has 86 MA's), (173, 18306), (188, 18342), (189, 18345), (270, 18522), (287, 18558), (311, 18588), (331, 18630), (353, 18675), (385, 18735), (466, 18876), (467, 18882), (558, 19092), (568, 19116), (600, 19182),

Gene: SuperAwesome_30 Start: 18959, Stop: 19972, Start Num: 106

Candidate Starts for SuperAwesome_30:

(Start: 106 @18959 has 240 MA's), (147, 19013), (173, 19052), (212, 19157), (287, 19304), (311, 19334), (329, 19373), (331, 19376), (353, 19421), (385, 19481), (495, 19679), (558, 19829), (561, 19838),

Gene: SuperCallie99_30 Start: 18958, Stop: 19971, Start Num: 106

Candidate Starts for SuperCallie99_30:

(Start: 106 @18958 has 240 MA's), (147, 19012), (173, 19051), (212, 19156), (287, 19303), (311, 19333), (329, 19372), (331, 19375), (353, 19420), (385, 19480), (495, 19678), (558, 19828), (561, 19837),

Gene: SuperSulley_41 Start: 29704, Stop: 30621, Start Num: 89

Candidate Starts for SuperSulley_41:

(Start: 89 @29704 has 16 MA's), (150, 29785), (169, 29821), (206, 29911), (240, 29968), (361, 30202), (398, 30229), (430, 30280), (500, 30373), (558, 30490), (600, 30586), (602, 30592), (608, 30607),

Gene: Superchunk_26 Start: 17822, Stop: 18838, Start Num: 106

Candidate Starts for Superchunk_26:

(Start: 106 @17822 has 240 MA's), (171, 17915), (176, 17930), (188, 17957), (311, 18203), (329, 18242), (331, 18245), (353, 18290), (401, 18380), (455, 18473), (473, 18506), (521, 18608), (544, 18659), (554, 18683), (558, 18695), (568, 18719), (600, 18785),

Gene: Supernova_15 Start: 11301, Stop: 12242, Start Num: 83

Candidate Starts for Supernova_15:

(71, 11283), (Start: 83 @11301 has 44 MA's), (Start: 110 @11334 has 84 MA's), (Start: 115 @11340 has 6 MA's), (126, 11352), (149, 11379), (154, 11388), (165, 11415), (166, 11418), (168, 11421), (170, 11424), (174, 11436), (177, 11445), (194, 11490), (206, 11520), (Start: 211 @11535 has 1 MA's), (214, 11547), (215, 11550), (216, 11553), (230, 11577), (242, 11601), (249, 11619), (267, 11655), (270, 11661), (280, 11688), (294, 11712), (315, 11730), (319, 11739), (331, 11766), (335, 11772), (367, 11835), (406, 11889), (408, 11892), (410, 11895), (417, 11907), (441, 11946), (447, 11961), (458, 11982), (479, 11997), (489, 12012), (492, 12018), (521, 12090), (522, 12093), (531, 12111), (532, 12114), (536, 12123), (554, 12171), (558, 12183), (561, 12192), (567, 12207), (569, 12213), (574, 12228),

Gene: Survivors_19 Start: 15594, Stop: 16559, Start Num: 110

Candidate Starts for Survivors_19:

(Start: 110 @15594 has 84 MA's), (143, 15639), (161, 15675), (173, 15696), (183, 15723), (202, 15777), (247, 15858), (252, 15867), (254, 15870), (288, 15939), (320, 15987), (371, 16077), (381, 16092), (412, 16131), (504, 16287), (539, 16353), (540, 16356), (541, 16359), (553, 16386), (556, 16395), (566, 16419), (579, 16452), (589, 16470), (605, 16515), (616, 16545), (618, 16551),

Gene: Swann_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for Swann_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: SweatNTears_19 Start: 14923, Stop: 15894, Start Num: 110

Candidate Starts for SweatNTears_19:

(Start: 110 @14923 has 84 MA's), (143, 14968), (155, 14989), (183, 15052), (192, 15076), (202, 15106), (247, 15184), (252, 15193), (254, 15196), (288, 15262), (320, 15310), (344, 15352), (360, 15382), (371, 15400), (402, 15451), (438, 15511), (443, 15526), (445, 15529), (457, 15553), (504, 15625), (511, 15643), (539, 15694), (540, 15697), (553, 15727), (556, 15736), (561, 15751), (587, 15808), (608, 15856), (616, 15880), (618, 15886),

Gene: SweetiePie_27 Start: 19105, Stop: 20121, Start Num: 106

Candidate Starts for SweetiePie_27:

(Start: 106 @19105 has 240 MA's), (161, 19180), (173, 19198), (188, 19234), (199, 19273), (311, 19480), (329, 19519), (331, 19522), (473, 19789), (521, 19891), (554, 19966), (558, 19978), (600, 20068),

Gene: Sweets_17 Start: 15472, Stop: 16644, Start Num: 31

Candidate Starts for Sweets_17:

(5, 15139), (Start: 31 @15472 has 231 MA's), (Start: 67 @15592 has 6 MA's), (Start: 84 @15610 has 6 MA's), (121, 15655), (124, 15661), (161, 15724), (180, 15760), (207, 15829), (208, 15832), (214, 15853), (240, 15907), (261, 15952), (278, 15982), (333, 16084), (338, 16096), (342, 16108), (351, 16126), (461, 16291), (476, 16321), (491, 16339), (500, 16363), (548, 16483), (584, 16573), (599, 16606),

Gene: SwirlSquare_28 Start: 17991, Stop: 19001, Start Num: 106

Candidate Starts for SwirlSquare_28:

(Start: 106 @17991 has 240 MA's), (161, 18066), (173, 18084), (311, 18366), (329, 18405), (331, 18408), (401, 18543), (455, 18636), (554, 18846), (558, 18858), (568, 18882), (600, 18948),

Gene: Swirley_23 Start: 18624, Stop: 19637, Start Num: 114

Candidate Starts for Swirley_23:

(Start: 114 @18624 has 85 MA's), (173, 18720), (186, 18753), (188, 18756), (199, 18795), (270, 18930), (304, 18990), (311, 18996), (320, 19014), (331, 19038), (351, 19080), (511, 19392), (558, 19494), (600, 19584),

Gene: Switzerland_29 Start: 18234, Stop: 19211, Start Num: 110

Candidate Starts for Switzerland_29:

(Start: 110 @18234 has 84 MA's), (183, 18348), (186, 18354), (188, 18357), (297, 18591), (452, 18858), (493, 18912), (558, 19068),

Gene: SydNat_23 Start: 18826, Stop: 19839, Start Num: 114

Candidate Starts for SydNat_23:

(Start: 114 @18826 has 85 MA's), (173, 18922), (186, 18955), (188, 18958), (199, 18997), (217, 19045), (311, 19198), (320, 19216), (331, 19240), (351, 19282), (511, 19594), (558, 19696), (569, 19723),

Gene: Syleon_27 Start: 20965, Stop: 21876, Start Num: 100

Candidate Starts for Syleon_27:

(Start: 100 @20965 has 6 MA's), (Start: 114 @20980 has 85 MA's), (267, 21271), (320, 21373), (328, 21391), (331, 21397), (411, 21508), (425, 21514), (454, 21562), (504, 21640), (505, 21643), (506, 21646), (531, 21694), (554, 21748), (571, 21790), (597, 21826), (598, 21829), (604, 21844),

Gene: Syra333_21 Start: 15182, Stop: 16321, Start Num: 31

Candidate Starts for Syra333_21:

(Start: 31 @15182 has 231 MA's), (Start: 67 @15302 has 6 MA's), (140, 15392), (178, 15461), (261, 15662), (293, 15716), (370, 15869), (390, 15887), (461, 15968), (480, 16007), (500, 16040), (539,

16133), (547, 16157), (575, 16235), (584, 16250), (601, 16289), (608, 16307),

Gene: TBond007_21 Start: 16221, Stop: 17357, Start Num: 31

Candidate Starts for TBond007_21:

(Start: 31 @16221 has 231 MA's), (Start: 67 @16344 has 6 MA's), (121, 16407), (124, 16413), (147, 16443), (162, 16476), (208, 16581), (214, 16602), (216, 16608), (244, 16665), (278, 16734), (328, 16821), (342, 16857), (461, 17004), (476, 17034), (480, 17043), (500, 17076), (501, 17079), (502, 17082), (539, 17169), (569, 17256), (599, 17319), (601, 17325),

Gene: TClif_21 Start: 15218, Stop: 16354, Start Num: 31

Candidate Starts for TClif_21:

(Start: 31 @15218 has 231 MA's), (Start: 67 @15335 has 6 MA's), (121, 15398), (178, 15494), (214, 15593), (215, 15596), (261, 15695), (370, 15902), (372, 15905), (433, 15983), (500, 16073), (502, 16079), (539, 16166), (584, 16283), (597, 16310), (601, 16322), (608, 16340),

Gene: TM4_18 Start: 13970, Stop: 15097, Start Num: 33

Candidate Starts for TM4_18:

(Start: 33 @13970 has 11 MA's), (38, 13979), (Start: 67 @14081 has 6 MA's), (140, 14171), (162, 14213), (163, 14216), (178, 14240), (214, 14339), (244, 14402), (261, 14441), (293, 14495), (328, 14561), (333, 14573), (355, 14624), (370, 14648), (433, 14726), (461, 14744), (476, 14774), (500, 14816), (501, 14819), (547, 14933), (575, 15011), (584, 15026), (601, 15065), (608, 15083),

Gene: TPA4_18 Start: 16629, Stop: 17726, Start Num: 46

Candidate Starts for TPA4_18:

(6, 16287), (Start: 46 @16629 has 1 MA's), (Start: 84 @16710 has 6 MA's), (121, 16755), (228, 16986), (293, 17121), (331, 17193), (333, 17199), (349, 17238), (476, 17400), (498, 17433), (532, 17511), (575, 17637), (599, 17685), (601, 17691),

Gene: TWAMP_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for TWAMP_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (270, 15786), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: TZGordon_23 Start: 15781, Stop: 16614, Start Num: 115

Candidate Starts for TZGordon_23:

(Start: 115 @15781 has 6 MA's), (Start: 118 @15784 has 5 MA's), (135, 15799), (158, 15838), (166, 15859), (168, 15862), (221, 16006), (324, 16192), (373, 16279), (432, 16363), (487, 16444), (522, 16528), (524, 16534), (531, 16546), (532, 16549), (541, 16573),

Gene: Tachez_22 Start: 15980, Stop: 17116, Start Num: 31

Candidate Starts for Tachez_22:

(Start: 31 @15980 has 231 MA's), (Start: 67 @16097 has 6 MA's), (140, 16187), (154, 16208), (162, 16229), (178, 16256), (293, 16511), (334, 16592), (372, 16667), (390, 16682), (476, 16793), (500, 16835), (539, 16928), (547, 16952), (584, 17045), (601, 17084), (608, 17102),

Gene: Taheera_17 Start: 15491, Stop: 16666, Start Num: 31

Candidate Starts for Taheera_17:

(4, 15095), (5, 15155), (Start: 31 @15491 has 231 MA's), (Start: 67 @15614 has 6 MA's), (Start: 84 @15632 has 6 MA's), (121, 15677), (124, 15683), (161, 15746), (180, 15782), (207, 15851), (208, 15854), (214, 15875), (240, 15929), (278, 16004), (333, 16106), (338, 16118), (461, 16313), (476, 16343), (491, 16361), (500, 16385), (542, 16487), (548, 16505), (584, 16595), (599, 16628),

Gene: Tailonex_23 Start: 19675, Stop: 20532, Start Num: 114

Candidate Starts for Tailonex_23:

(Start: 114 @19675 has 85 MA's), (120, 19684), (143, 19717), (161, 19753), (331, 20083), (354, 20125), (369, 20140), (512, 20290), (531, 20326), (532, 20329), (544, 20356), (558, 20392),

Gene: TaiwanKao_23 Start: 15991, Stop: 17127, Start Num: 31

Candidate Starts for TaiwanKao_23:

(Start: 31 @15991 has 231 MA's), (Start: 67 @16108 has 6 MA's), (140, 16198), (154, 16219), (162, 16240), (178, 16267), (293, 16522), (334, 16603), (372, 16678), (390, 16693), (476, 16804), (500, 16846), (539, 16939), (543, 16951), (547, 16963), (584, 17056), (601, 17095), (608, 17113),

Gene: Takoda_22 Start: 15440, Stop: 16312, Start Num: 114

Candidate Starts for Takoda_22:

(Start: 114 @15440 has 85 MA's), (140, 15479), (186, 15566), (Start: 211 @15635 has 1 MA's), (254, 15713), (331, 15851), (409, 15947), (521, 16076), (530, 16094), (558, 16163), (615, 16301),

Gene: Tangent_34 Start: 29370, Stop: 30326, Start Num: 85

Candidate Starts for Tangent_34:

(Start: 85 @29370 has 58 MA's), (194, 29556), (197, 29568), (209, 29595), (215, 29616), (255, 29676), (317, 29763), (319, 29766), (336, 29802), (352, 29835), (360, 29850), (367, 29862), (392, 29892), (396, 29898), (438, 29958), (500, 30048), (541, 30138), (552, 30162), (556, 30174), (584, 30240), (602, 30279), (606, 30291), (617, 30321),

Gene: Tangerine_33 Start: 28564, Stop: 29520, Start Num: 85

Candidate Starts for Tangerine_33:

(Start: 85 @28564 has 58 MA's), (177, 28705), (194, 28750), (197, 28762), (202, 28774), (209, 28789), (213, 28801), (234, 28828), (244, 28843), (255, 28870), (319, 28960), (336, 28996), (367, 29056), (396, 29092), (438, 29152), (500, 29242), (541, 29332), (552, 29356), (556, 29368), (584, 29434), (591, 29449), (602, 29473), (606, 29485),

Gene: Taotie_16 Start: 17535, Stop: 18416, Start Num: 97

Candidate Starts for Taotie_16:

(Start: 97 @17535 has 2 MA's), (251, 17826), (258, 17838), (270, 17862), (321, 17946), (335, 17973), (345, 17997), (357, 18021), (374, 18042), (401, 18060), (429, 18090), (503, 18177), (513, 18204), (568, 18324), (573, 18339), (601, 18378),

Gene: Taquito_21 Start: 17109, Stop: 18242, Start Num: 31

Candidate Starts for Taquito_21:

(Start: 31 @17109 has 231 MA's), (38, 17127), (54, 17199), (Start: 67 @17229 has 6 MA's), (140, 17319), (162, 17361), (177, 17385), (215, 17490), (293, 17643), (331, 17712), (333, 17718), (433, 17871), (461, 17889), (476, 17919), (500, 17961), (501, 17964), (575, 18156), (584, 18171), (601, 18210), (608, 18228),

Gene: Tardus_35 Start: 29129, Stop: 30115, Start Num: 72

Candidate Starts for Tardus_35:

(Start: 72 @29129 has 35 MA's), (126, 29201), (144, 29225), (161, 29261), (180, 29297), (254, 29453), (287, 29525), (328, 29588), (332, 29597), (359, 29654), (379, 29687), (405, 29720), (407, 29723), (502, 29876), (514, 29909), (520, 29918), (532, 29939), (543, 29966), (550, 29987), (554, 29996), (556, 30002), (569, 30035), (570, 30038), (594, 30092), (600, 30104),

Gene: Tarnish_17 Start: 14832, Stop: 15788, Start Num: 110

Candidate Starts for Tarnish_17:

(Start: 110 @14832 has 84 MA's), (143, 14877), (173, 14934), (183, 14961), (202, 15015), (213, 15042), (247, 15093), (249, 15096), (252, 15102), (254, 15105), (281, 15159), (291, 15174), (320, 15219), (331, 15243), (342, 15258), (371, 15309), (438, 15405), (540, 15591), (553, 15621), (556, 15630), (566, 15654), (579, 15687), (616, 15774), (618, 15780),

Gene: TaronosaurusRx_18 Start: 16056, Stop: 16982, Start Num: 106

Candidate Starts for TaronosaurusRx_18:

(14, 15741), (16, 15765), (18, 15792), (86, 16038), (Start: 106 @16056 has 240 MA's), (Start: 117 @16065 has 6 MA's), (147, 16107), (Start: 151 @16119 has 1 MA's), (259, 16341), (283, 16386), (299, 16410), (313, 16416), (317, 16425), (320, 16431), (335, 16461), (371, 16521), (375, 16527), (421, 16587), (424, 16590), (438, 16614), (486, 16671), (527, 16758), (558, 16827), (581, 16881), (616, 16965),

Gene: TarsusIV_27 Start: 19201, Stop: 20211, Start Num: 106

Candidate Starts for TarsusIV_27:

(Start: 106 @19201 has 240 MA's), (161, 19276), (173, 19294), (188, 19330), (199, 19369), (270, 19510), (311, 19576), (329, 19615), (331, 19618), (455, 19846), (521, 19981), (558, 20068), (568, 20092),

Gene: Tarynearal_22 Start: 18646, Stop: 19659, Start Num: 114

Candidate Starts for Tarynearal_22:

(Start: 114 @18646 has 85 MA's), (173, 18742), (186, 18775), (188, 18778), (199, 18817), (270, 18952), (304, 19012), (311, 19018), (320, 19036), (331, 19060), (351, 19102), (511, 19414), (558, 19516), (600, 19606),

Gene: Tarzan_17 Start: 14116, Stop: 14958, Start Num: 109

Candidate Starts for Tarzan_17:

(8, 13660), (12, 13738), (35, 13936), (80, 14077), (Start: 109 @14116 has 16 MA's), (155, 14185), (170, 14215), (177, 14236), (191, 14269), (206, 14311), (207, 14314), (287, 14455), (331, 14521), (434, 14653), (506, 14728), (540, 14782), (558, 14824), (590, 14890), (605, 14929),

Gene: Teejan_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Teejan_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: Temprado_30 Start: 18964, Stop: 19980, Start Num: 106

Candidate Starts for Temprado_30:

(Start: 106 @18964 has 240 MA's), (147, 19018), (173, 19057), (212, 19162), (287, 19309), (311, 19339), (329, 19378), (331, 19381), (377, 19468), (385, 19489), (455, 19615), (495, 19687), (558, 19837), (561, 19846), (600, 19927),

Gene: Terrific_31 Start: 19655, Stop: 20671, Start Num: 106

Candidate Starts for Terrific_31:

(Start: 106 @19655 has 240 MA's), (161, 19730), (173, 19748), (188, 19784), (199, 19823), (287, 20000), (311, 20030), (329, 20069), (331, 20072), (558, 20528), (568, 20552),

Gene: Terror_17 Start: 15491, Stop: 16666, Start Num: 31

Candidate Starts for Terror_17:

(4, 15095), (5, 15155), (Start: 31 @15491 has 231 MA's), (Start: 67 @15614 has 6 MA's), (Start: 84 @15632 has 6 MA's), (121, 15677), (124, 15683), (161, 15746), (180, 15782), (207, 15851), (208, 15854), (214, 15875), (240, 15929), (278, 16004), (333, 16106), (338, 16118), (461, 16313), (476,

16343), (491, 16361), (500, 16385), (542, 16487), (548, 16505), (584, 16595), (599, 16628),

Gene: Tesla_48 Start: 26061, Stop: 27023, Start Num: 103

Candidate Starts for Tesla_48:

(Start: 103 @26061 has 86 MA's), (183, 26193), (192, 26217), (196, 26226), (198, 26232), (202, 26241), (212, 26265), (214, 26274), (219, 26286), (280, 26412), (324, 26493), (331, 26508), (335, 26514), (411, 26622), (505, 26748), (507, 26754), (544, 26829), (577, 26904), (581, 26910), (588, 26922), (590, 26925), (621, 27012), (623, 27015), (624, 27018),

Gene: Theia_21 Start: 18584, Stop: 19597, Start Num: 114

Candidate Starts for Theia_21:

(Start: 114 @18584 has 85 MA's), (173, 18680), (186, 18713), (188, 18716), (270, 18890), (304, 18950), (311, 18956), (320, 18974), (331, 18998), (351, 19040), (511, 19352), (558, 19454), (569, 19481), (600, 19544),

Gene: Thing3_33 Start: 29854, Stop: 30810, Start Num: 85

Candidate Starts for Thing3_33:

(Start: 85 @29854 has 58 MA's), (194, 30040), (197, 30052), (209, 30079), (215, 30100), (255, 30160), (317, 30247), (319, 30250), (336, 30286), (352, 30319), (360, 30334), (367, 30346), (392, 30376), (396, 30382), (438, 30442), (500, 30532), (541, 30622), (552, 30646), (556, 30658), (584, 30724), (591, 30739), (602, 30763), (606, 30775),

Gene: Thyatira_20 Start: 16323, Stop: 17453, Start Num: 37

Candidate Starts for Thyatira_20:

(Start: 37 @16323 has 23 MA's), (162, 16566), (178, 16593), (214, 16692), (261, 16794), (293, 16848), (311, 16878), (328, 16914), (329, 16917), (333, 16926), (370, 17001), (372, 17004), (404, 17040), (433, 17082), (461, 17100), (465, 17106), (476, 17130), (477, 17133), (480, 17139), (500, 17172), (584, 17382), (601, 17421), (608, 17439),

Gene: Tiamoceli_32 Start: 27405, Stop: 28382, Start Num: 72

Candidate Starts for Tiamoceli_32:

(Start: 72 @27405 has 35 MA's), (86, 27417), (Start: 109 @27444 has 16 MA's), (144, 27492), (146, 27495), (173, 27546), (202, 27624), (254, 27720), (287, 27792), (359, 27921), (379, 27954), (407, 27990), (514, 28176), (532, 28206), (543, 28233), (556, 28269), (569, 28302), (600, 28371),

Gene: Tierra_21 Start: 15908, Stop: 17047, Start Num: 31

Candidate Starts for Tierra_21:

(Start: 31 @15908 has 231 MA's), (Start: 67 @16028 has 6 MA's), (140, 16118), (178, 16187), (261, 16388), (390, 16613), (431, 16673), (461, 16694), (500, 16766), (501, 16769), (502, 16772), (539, 16859), (547, 16883), (575, 16961), (584, 16976), (601, 17015), (608, 17033),

Gene: Tiger_23 Start: 18468, Stop: 19481, Start Num: 114

Candidate Starts for Tiger_23:

(Start: 114 @18468 has 85 MA's), (173, 18564), (186, 18597), (188, 18600), (270, 18774), (304, 18834), (311, 18840), (320, 18858), (331, 18882), (351, 18924), (511, 19236), (558, 19338), (600, 19428),

Gene: Tigress9_22 Start: 15170, Stop: 16309, Start Num: 31

Candidate Starts for Tigress9_22:

(Start: 31 @15170 has 231 MA's), (Start: 67 @15290 has 6 MA's), (140, 15380), (178, 15449), (261, 15650), (334, 15785), (335, 15788), (390, 15875), (431, 15935), (461, 15956), (476, 15986), (500, 16028), (501, 16031), (502, 16034), (539, 16121), (547, 16145), (575, 16223), (584, 16238), (601, 16277), (608, 16295),

Gene: TillyBobJoe_30 Start: 24720, Stop: 25652, Start Num: 91

Candidate Starts for TillyBobJoe_30:

(Start: 91 @24720 has 34 MA's), (161, 24816), (192, 24885), (194, 24891), (202, 24915), (209, 24930), (214, 24948), (336, 25140), (390, 25218), (424, 25263), (438, 25287), (462, 25326), (522, 25422), (541, 25464), (556, 25500), (568, 25530), (589, 25575), (598, 25596), (617, 25647),

Gene: Timothy_27 Start: 19730, Stop: 20752, Start Num: 106

Candidate Starts for Timothy_27:

(Start: 106 @19730 has 240 MA's), (147, 19787), (183, 19862), (242, 19991), (270, 20051), (304, 20111), (311, 20117), (331, 20159), (353, 20204), (355, 20210), (401, 20294), (426, 20327), (558, 20609), (561, 20618), (568, 20633), (600, 20699),

Gene: TinaBug_17 Start: 15472, Stop: 16644, Start Num: 31

Candidate Starts for TinaBug_17:

(5, 15139), (Start: 31 @15472 has 231 MA's), (Start: 67 @15592 has 6 MA's), (Start: 84 @15610 has 6 MA's), (121, 15655), (124, 15661), (161, 15724), (180, 15760), (207, 15829), (208, 15832), (214, 15853), (240, 15907), (261, 15952), (278, 15982), (333, 16084), (338, 16096), (342, 16108), (351, 16126), (461, 16291), (476, 16321), (491, 16339), (500, 16363), (548, 16483), (584, 16573), (599, 16606),

Gene: TinaLin_24 Start: 16616, Stop: 17446, Start Num: 118

Candidate Starts for TinaLin_24:

(Start: 115 @16613 has 6 MA's), (Start: 118 @16616 has 5 MA's), (135, 16631), (152, 16661), (158, 16670), (168, 16694), (Start: 211 @16808 has 1 MA's), (213, 16814), (216, 16826), (221, 16838), (271, 16937), (324, 17024), (336, 17048), (382, 17132), (406, 17156), (408, 17159), (432, 17195), (487, 17276), (511, 17342), (524, 17366), (531, 17378), (532, 17381),

Gene: TingHuaYa_22 Start: 15317, Stop: 16453, Start Num: 31

Candidate Starts for TingHuaYa_22:

(Start: 31 @15317 has 231 MA's), (Start: 67 @15434 has 6 MA's), (154, 15545), (178, 15593), (215, 15695), (293, 15848), (334, 15929), (372, 16004), (390, 16019), (476, 16130), (500, 16172), (539, 16265), (547, 16289), (584, 16382), (601, 16421), (608, 16439),

Gene: TiniBug_22 Start: 15962, Stop: 17098, Start Num: 31

Candidate Starts for TiniBug_22:

(Start: 31 @15962 has 231 MA's), (Start: 67 @16079 has 6 MA's), (140, 16169), (154, 16190), (162, 16211), (178, 16238), (261, 16439), (293, 16493), (298, 16499), (334, 16574), (372, 16649), (390, 16664), (500, 16817), (539, 16910), (547, 16934), (584, 17027), (601, 17066), (608, 17084),

Gene: TinyTimmy_27 Start: 19773, Stop: 20795, Start Num: 106

Candidate Starts for TinyTimmy_27:

(Start: 106 @19773 has 240 MA's), (147, 19830), (183, 19905), (242, 20034), (270, 20094), (304, 20154), (311, 20160), (331, 20202), (353, 20247), (355, 20253), (401, 20337), (426, 20370), (558, 20652), (561, 20661), (568, 20676), (600, 20742),

Gene: TipsytheTRex_26 Start: 18299, Stop: 19309, Start Num: 106

Candidate Starts for TipsytheTRex_26:

(Start: 106 @18299 has 240 MA's), (147, 18353), (161, 18374), (173, 18392), (311, 18674), (329, 18713), (331, 18716), (353, 18761), (401, 18851), (455, 18944), (521, 19079), (558, 19166),

Gene: Tiri_22 Start: 16023, Stop: 17159, Start Num: 31

Candidate Starts for Tiri_22:

(Start: 31 @16023 has 231 MA's), (Start: 67 @16140 has 6 MA's), (140, 16230), (154, 16251), (162, 16272), (178, 16299), (293, 16554), (334, 16635), (372, 16710), (390, 16725), (476, 16836), (500, 16878), (539, 16971), (547, 16995), (584, 17088), (601, 17127), (608, 17145),

Gene: Toaka_26 Start: 18892, Stop: 19914, Start Num: 106

Candidate Starts for Toaka_26:

(Start: 106 @18892 has 240 MA's), (120, 18907), (Start: 122 @18910 has 2 MA's), (173, 18985), (212, 19090), (270, 19201), (287, 19237), (311, 19267), (331, 19309), (407, 19459), (466, 19555), (467, 19561), (554, 19759), (558, 19771), (561, 19780), (568, 19795),

Gene: Toast_18 Start: 15883, Stop: 16743, Start Num: 70

Candidate Starts for Toast_18:

(Start: 70 @15883 has 25 MA's), (Start: 93 @15898 has 8 MA's), (121, 15928), (138, 15949), (183, 16039), (213, 16120), (333, 16324), (334, 16327), (494, 16522), (538, 16612), (553, 16654), (570, 16702), (572, 16708),

Gene: Togo_30 Start: 24909, Stop: 25853, Start Num: 91

Candidate Starts for Togo_30:

(Start: 91 @24909 has 34 MA's), (161, 25014), (192, 25083), (194, 25089), (202, 25113), (209, 25128), (438, 25488), (443, 25503), (456, 25521), (522, 25623), (541, 25665), (556, 25701), (598, 25797), (617, 25848),

Gene: Tolls_19 Start: 14433, Stop: 15404, Start Num: 110

Candidate Starts for Tolls_19:

(Start: 110 @14433 has 84 MA's), (143, 14478), (155, 14499), (161, 14514), (173, 14535), (192, 14586), (202, 14616), (213, 14643), (247, 14694), (252, 14703), (254, 14706), (281, 14760), (288, 14772), (320, 14820), (371, 14910), (402, 14961), (419, 14991), (438, 15021), (445, 15039), (504, 15135), (511, 15153), (539, 15204), (540, 15207), (553, 15237), (556, 15246), (561, 15261), (587, 15318), (608, 15366), (616, 15390), (618, 15396),

Gene: TomBrady_17 Start: 15478, Stop: 16650, Start Num: 31

Candidate Starts for TomBrady_17:

(5, 15145), (Start: 31 @15478 has 231 MA's), (Start: 67 @15598 has 6 MA's), (Start: 84 @15616 has 6 MA's), (121, 15661), (124, 15667), (161, 15730), (180, 15766), (207, 15835), (208, 15838), (214, 15859), (240, 15913), (261, 15958), (278, 15988), (333, 16090), (338, 16102), (342, 16114), (351, 16132), (461, 16297), (476, 16327), (491, 16345), (500, 16369), (548, 16489), (584, 16579), (599, 16612),

Gene: Tomathan_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for Tomathan_30:

(Start: 106 @19042 has 240 MA's), (147, 19096), (161, 19117), (173, 19135), (247, 19306), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: ToneTone_28 Start: 18890, Stop: 19906, Start Num: 106

Candidate Starts for ToneTone_28:

(Start: 106 @18890 has 240 MA's), (Start: 122 @18908 has 2 MA's), (147, 18944), (173, 18983), (212, 19088), (311, 19265), (329, 19304), (331, 19307), (377, 19394), (385, 19415), (455, 19541), (495, 19613), (558, 19763), (561, 19772), (600, 19853),

Gene: Toniann_47 Start: 28657, Stop: 29538, Start Num: 76

Candidate Starts for Toniann_47:

(Start: 76 @28657 has 13 MA's), (119, 28705), (140, 28732), (179, 28804), (205, 28870), (214, 28900), (279, 29008), (333, 29101), (343, 29125), (350, 29140), (433, 29236), (476, 29284), (558, 29464), (571, 29500),

Gene: Topper_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Topper_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Torres_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Torres_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: TouchMeNot_18 Start: 16550, Stop: 17428, Start Num: 92

Candidate Starts for TouchMeNot_18:

(Start: 92 @16550 has 11 MA's), (Start: 95 @16553 has 1 MA's), (155, 16637), (212, 16775), (398, 17063),

Gene: Tourach_17 Start: 16072, Stop: 16986, Start Num: 103

Candidate Starts for Tourach_17:

(Start: 103 @16072 has 86 MA's), (125, 16096), (147, 16126), (188, 16207), (206, 16252), (328, 16477), (329, 16480), (331, 16483), (398, 16570), (411, 16594), (425, 16600), (486, 16669), (495, 16687), (502, 16708), (527, 16762), (532, 16774), (558, 16837), (614, 16966), (619, 16978),

Gene: Towmatter_27 Start: 24381, Stop: 25262, Start Num: 70

Candidate Starts for Towmatter_27:

(Start: 70 @24381 has 25 MA's), (140, 24456), (176, 24519), (179, 24528), (183, 24537), (239, 24657), (275, 24717), (333, 24825), (433, 24960), (476, 25008), (514, 25083), (538, 25131), (555, 25179), (558, 25188),

Gene: TpudiCK_28 Start: 21456, Stop: 22367, Start Num: 96

Candidate Starts for TpudiCK_28:

(Start: 96 @21456 has 21 MA's), (167, 21558), (177, 21576), (183, 21591), (212, 21663), (214, 21672), (260, 21750), (328, 21885), (329, 21888), (331, 21891), (368, 21960), (411, 22002), (425, 22008), (515, 22149), (527, 22170), (532, 22182), (596, 22305), (601, 22317),

Gene: Tracker_40 Start: 28657, Stop: 29598, Start Num: 87

Candidate Starts for Tracker_40:

(Start: 87 @28657 has 26 MA's), (150, 28744), (188, 28819), (Start: 211 @28885 has 1 MA's), (240, 28927), (267, 28984), (401, 29197), (415, 29224), (500, 29335), (558, 29467), (600, 29563),

Gene: Travvers_30 Start: 19042, Stop: 20052, Start Num: 106

Candidate Starts for Travvers_30:

(Start: 106 @19042 has 240 MA's), (147, 19096), (161, 19117), (173, 19135), (247, 19306), (311, 19417), (329, 19456), (331, 19459), (353, 19504), (521, 19822), (554, 19897), (558, 19909), (568, 19933), (600, 19999),

Gene: Trax_27 Start: 22698, Stop: 23609, Start Num: 100

Candidate Starts for Trax_27:

(Start: 89 @22683 has 16 MA's), (Start: 100 @22698 has 6 MA's), (147, 22755), (161, 22785), (212, 22899), (252, 22974), (268, 23007), (287, 23043), (328, 23124), (329, 23127), (342, 23154), (345, 23160), (361, 23187), (425, 23247), (429, 23253), (505, 23376), (506, 23379), (517, 23400), (532, 23430), (536, 23439), (553, 23478), (554, 23481), (571, 23523), (586, 23538), (590, 23544), (598, 23562), (604, 23577),

Gene: TreyKay_22 Start: 15985, Stop: 17121, Start Num: 31

Candidate Starts for TreyKay_22:

(Start: 31 @15985 has 231 MA's), (Start: 67 @16102 has 6 MA's), (140, 16192), (154, 16213), (162, 16234), (178, 16261), (293, 16516), (334, 16597), (372, 16672), (390, 16687), (476, 16798), (500, 16840), (539, 16933), (547, 16957), (584, 17050), (601, 17089), (608, 17107),

Gene: TriFive_18 Start: 16490, Stop: 17380, Start Num: 103

Candidate Starts for TriFive_18:

(Start: 103 @16490 has 86 MA's), (125, 16514), (155, 16559), (161, 16574), (174, 16595), (212, 16691), (287, 16826), (292, 16835), (329, 16895), (331, 16898), (335, 16904), (376, 16976), (411, 17009), (429, 17021), (486, 17084), (506, 17138), (517, 17159), (540, 17210), (558, 17252), (614, 17363), (615, 17366),

Gene: TribbleTrouble_20 Start: 16264, Stop: 17403, Start Num: 31

Candidate Starts for TribbleTrouble_20:

(Start: 31 @16264 has 231 MA's), (Start: 67 @16390 has 6 MA's), (121, 16453), (124, 16459), (147, 16489), (162, 16522), (208, 16627), (214, 16648), (261, 16750), (278, 16780), (307, 16825), (342, 16903), (461, 17050), (476, 17080), (480, 17089), (500, 17122), (501, 17125), (502, 17128), (539, 17215), (569, 17302), (581, 17326), (584, 17332), (599, 17365), (601, 17371),

Gene: Trice_18 Start: 15554, Stop: 16696, Start Num: 31

Candidate Starts for Trice_18:

(Start: 31 @15554 has 231 MA's), (Start: 67 @15677 has 6 MA's), (140, 15767), (178, 15836), (214, 15935), (215, 15938), (261, 16037), (334, 16172), (476, 16373), (500, 16415), (501, 16418), (539, 16508), (547, 16532), (584, 16625), (601, 16664), (608, 16682),

Gene: Trine_17 Start: 13911, Stop: 14768, Start Num: 109

Candidate Starts for Trine_17:

(Start: 109 @13911 has 16 MA's), (155, 13980), (161, 13995), (207, 14109), (264, 14214), (325, 14307), (331, 14319), (411, 14421), (506, 14523), (517, 14544), (554, 14622), (555, 14625), (558, 14634), (561, 14643), (562, 14646), (583, 14685), (605, 14736),

Gene: Tristan_28 Start: 20795, Stop: 21811, Start Num: 106

Candidate Starts for Tristan_28:

(Start: 106 @20795 has 240 MA's), (161, 20870), (173, 20888), (199, 20963), (270, 21104), (311, 21170), (331, 21212), (379, 21302), (393, 21338), (401, 21353), (473, 21479), (511, 21566), (558, 21668), (568, 21692),

Gene: Trixie_30 Start: 20845, Stop: 21858, Start Num: 106

Candidate Starts for Trixie_30:

(Start: 106 @20845 has 240 MA's), (Start: 122 @20863 has 2 MA's), (161, 20920), (173, 20938), (188, 20974), (199, 21013), (270, 21154), (311, 21220), (329, 21259), (331, 21262), (353, 21307), (385, 21367), (407, 21412), (455, 21493), (473, 21526), (558, 21715), (561, 21724), (601, 21808),

Gene: Troje_17 Start: 14394, Stop: 15365, Start Num: 110

Candidate Starts for Troje_17:

(Start: 110 @14394 has 84 MA's), (143, 14439), (155, 14460), (161, 14475), (183, 14523), (192, 14547), (202, 14577), (247, 14655), (252, 14664), (254, 14667), (288, 14733), (320, 14781), (344, 14823), (371, 14871), (402, 14922), (438, 14982), (443, 14997), (445, 15000), (457, 15024), (504, 15096), (511, 15114), (539, 15165), (540, 15168), (553, 15198), (556, 15207), (561, 15222), (579, 15264), (587, 15279), (608, 15327), (616, 15351), (618, 15357),

Gene: Trooper_27 Start: 19001, Stop: 20011, Start Num: 106

Candidate Starts for Trooper_27:

(Start: 106 @19001 has 240 MA's), (161, 19076), (173, 19094), (188, 19130), (199, 19169), (270, 19310), (311, 19376), (329, 19415), (331, 19418), (455, 19646), (521, 19781), (558, 19868), (568, 19892), (600, 19958),

Gene: TruffulaTree_22 Start: 16014, Stop: 17150, Start Num: 31

Candidate Starts for TruffulaTree_22:

(Start: 31 @16014 has 231 MA's), (Start: 67 @16131 has 6 MA's), (140, 16221), (154, 16242), (162, 16263), (178, 16290), (293, 16545), (334, 16626), (372, 16701), (390, 16716), (476, 16827), (500, 16869), (539, 16962), (547, 16986), (584, 17079), (601, 17118), (608, 17136),

Gene: Tubs_28 Start: 20527, Stop: 21540, Start Num: 106

Candidate Starts for Tubs_28:

(Start: 106 @20527 has 240 MA's), (Start: 122 @20545 has 2 MA's), (161, 20602), (173, 20620), (188, 20656), (270, 20836), (287, 20872), (311, 20902), (331, 20944), (415, 21103), (495, 21247), (521, 21310), (554, 21385), (558, 21397), (568, 21421),

Gene: Tucker_30 Start: 18976, Stop: 19992, Start Num: 106

Candidate Starts for Tucker_30:

(Start: 106 @18976 has 240 MA's), (Start: 122 @18994 has 2 MA's), (147, 19030), (173, 19069), (212, 19174), (311, 19351), (329, 19390), (331, 19393), (377, 19480), (385, 19501), (455, 19627), (495, 19699), (558, 19849), (561, 19858), (600, 19939),

Gene: Turbido_29 Start: 19682, Stop: 20698, Start Num: 106

Candidate Starts for Turbido_29:

(Start: 106 @19682 has 240 MA's), (161, 19757), (173, 19775), (188, 19811), (199, 19850), (311, 20057), (329, 20096), (331, 20099), (377, 20186), (473, 20366), (521, 20468), (554, 20543), (558, 20555),

Gene: Turuncu_44 Start: 29978, Stop: 30895, Start Num: 87

Candidate Starts for Turuncu_44:

(Start: 87 @29978 has 26 MA's), (150, 30056), (186, 30128), (214, 30209), (287, 30338), (401, 30509), (505, 30665), (558, 30764), (592, 30839), (600, 30860),

Gene: Twigg_23 Start: 18619, Stop: 19632, Start Num: 114

Candidate Starts for Twigg_23:

(Start: 114 @18619 has 85 MA's), (173, 18715), (186, 18748), (188, 18751), (270, 18925), (304, 18985), (311, 18991), (320, 19009), (331, 19033), (351, 19075), (511, 19387), (558, 19489), (569, 19516), (600, 19579),

Gene: Twister6_32 Start: 25345, Stop: 26289, Start Num: 91

Candidate Starts for Twister6_32:

(Start: 91 @25345 has 34 MA's), (161, 25450), (192, 25519), (194, 25525), (202, 25549), (209, 25564), (438, 25924), (443, 25939), (456, 25957), (522, 26059), (541, 26101), (556, 26137), (598, 26233), (617, 26284),

Gene: Twitch_22 Start: 16051, Stop: 17187, Start Num: 31

Candidate Starts for Twitch_22:

(Start: 31 @16051 has 231 MA's), (Start: 67 @16168 has 6 MA's), (140, 16258), (154, 16279), (162, 16300), (178, 16327), (293, 16582), (334, 16663), (372, 16738), (390, 16753), (476, 16864), (500, 16906), (539, 16999), (547, 17023), (584, 17116), (601, 17155), (608, 17173),

Gene: Twonlo_29 Start: 26023, Stop: 27000, Start Num: 72

Candidate Starts for Twonlo_29:

(Start: 72 @26023 has 35 MA's), (86, 26035), (Start: 109 @26062 has 16 MA's), (144, 26110), (146, 26113), (173, 26164), (202, 26242), (254, 26338), (270, 26371), (287, 26410), (359, 26539), (379, 26572), (407, 26608), (514, 26794), (532, 26824), (543, 26851), (556, 26887), (569, 26920), (600, 26989),

Gene: TyDawg_27 Start: 21457, Stop: 22368, Start Num: 96

Candidate Starts for TyDawg_27:

(Start: 96 @21457 has 21 MA's), (167, 21559), (177, 21577), (183, 21592), (212, 21664), (214, 21673), (260, 21751), (328, 21886), (329, 21889), (331, 21892), (368, 21961), (411, 22003), (425, 22009), (515, 22150), (527, 22171), (532, 22183), (596, 22306), (601, 22318),

Gene: Tycho_33 Start: 28653, Stop: 29609, Start Num: 85

Candidate Starts for Tycho_33:

(Start: 85 @28653 has 58 MA's), (183, 28809), (194, 28839), (197, 28851), (202, 28863), (209, 28878), (213, 28890), (319, 29049), (336, 29085), (367, 29145), (396, 29181), (438, 29241), (500, 29331), (541, 29421), (552, 29445), (556, 29457), (584, 29523), (591, 29538), (602, 29562), (606, 29574),

Gene: Typha_23 Start: 18613, Stop: 19611, Start Num: 50

Candidate Starts for Typha_23:

(Start: 50 @18613 has 6 MA's), (Start: 99 @18679 has 6 MA's), (161, 18769), (163, 18775), (189, 18823), (206, 18871), (214, 18898), (230, 18925), (231, 18928), (244, 18949), (271, 19000), (299, 19051), (305, 19060), (319, 19087), (351, 19162), (365, 19186), (465, 19276), (476, 19300), (477, 19303), (500, 19339), (522, 19393), (527, 19402), (543, 19444), (544, 19447), (575, 19528), (581, 19537), (601, 19582),

Gene: Typhonomachy_17 Start: 14764, Stop: 15735, Start Num: 110

Candidate Starts for Typhonomachy_17:

(Start: 110 @14764 has 84 MA's), (143, 14809), (155, 14830), (183, 14893), (192, 14917), (202, 14947), (216, 14986), (247, 15025), (252, 15034), (254, 15037), (288, 15103), (320, 15151), (344, 15193), (371, 15241), (402, 15292), (438, 15352), (443, 15367), (445, 15370), (454, 15388), (457, 15394), (496, 15439), (504, 15466), (511, 15484), (539, 15535), (540, 15538), (553, 15568), (556, 15577), (561, 15592), (587, 15649), (608, 15697), (616, 15721), (618, 15727),

Gene: Tyson_17 Start: 15865, Stop: 16746, Start Num: 103

Candidate Starts for Tyson_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (282, 16192), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (411, 16381), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: UPIE_17 Start: 15845, Stop: 16744, Start Num: 89

Candidate Starts for UPIE_17:

(62, 15809), (Start: 89 @15845 has 16 MA's), (Start: 103 @15863 has 86 MA's), (125, 15887), (147, 15917), (155, 15932), (174, 15965), (246, 16109), (329, 16265), (331, 16268), (335, 16274), (355, 16319), (376, 16346), (411, 16379), (425, 16385), (450, 16418), (455, 16427), (486, 16454), (538,

16574), (558, 16622), (598, 16688), (601, 16694), (614, 16733),

Gene: Ubuntu_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Ubuntu_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Ugenie5_25 Start: 20560, Stop: 21573, Start Num: 106

Candidate Starts for Ugenie5_25:

(Start: 106 @20560 has 240 MA's), (Start: 122 @20578 has 2 MA's), (161, 20635), (173, 20653), (188, 20689), (270, 20869), (287, 20905), (311, 20935), (331, 20977), (415, 21136), (495, 21280), (521, 21343), (554, 21418), (558, 21430), (568, 21454),

Gene: UhSalsa_22 Start: 15480, Stop: 16352, Start Num: 114

Candidate Starts for UhSalsa_22:

(Start: 114 @15480 has 85 MA's), (140, 15519), (183, 15600), (186, 15606), (Start: 211 @15675 has 1 MA's), (254, 15753), (282, 15813), (331, 15891), (409, 15987), (521, 16116), (530, 16134), (554, 16191), (558, 16203), (574, 16245), (615, 16341),

Gene: UmaThurman_18 Start: 15921, Stop: 16781, Start Num: 73

Candidate Starts for UmaThurman_18:

(Start: 67 @15915 has 6 MA's), (Start: 73 @15921 has 29 MA's), (183, 16077), (213, 16158), (275, 16257), (334, 16365), (398, 16449), (461, 16515), (494, 16560), (538, 16650), (553, 16692),

Gene: Underpass_17 Start: 16079, Stop: 16993, Start Num: 103

Candidate Starts for Underpass_17:

(Start: 103 @16079 has 86 MA's), (125, 16103), (147, 16133), (206, 16259), (246, 16331), (328, 16484), (329, 16487), (331, 16490), (345, 16520), (398, 16577), (411, 16601), (425, 16607), (486, 16676), (495, 16694), (502, 16715), (527, 16769), (532, 16781), (558, 16844), (614, 16973), (619, 16985),

Gene: Unicorn_21 Start: 15233, Stop: 16372, Start Num: 31

Candidate Starts for Unicorn_21:

(Start: 31 @15233 has 231 MA's), (Start: 67 @15353 has 6 MA's), (140, 15443), (178, 15512), (261, 15713), (293, 15767), (311, 15797), (390, 15938), (431, 15998), (461, 16019), (476, 16049), (500, 16091), (501, 16094), (502, 16097), (539, 16184), (547, 16208), (575, 16286), (584, 16301), (601, 16340), (608, 16358),

Gene: UnionJack_23 Start: 17673, Stop: 18686, Start Num: 114

Candidate Starts for UnionJack_23:

(Start: 114 @17673 has 85 MA's), (173, 17769), (186, 17802), (188, 17805), (199, 17844), (270, 17979), (282, 18009), (304, 18039), (311, 18045), (320, 18063), (331, 18087), (351, 18129), (445, 18300), (558, 18543), (569, 18570), (600, 18633),

Gene: Updawg_29 Start: 19643, Stop: 20659, Start Num: 106

Candidate Starts for Updawg_29:

(Start: 106 @19643 has 240 MA's), (161, 19718), (173, 19736), (188, 19772), (199, 19811), (287, 19988), (311, 20018), (329, 20057), (331, 20060), (558, 20516), (568, 20540),

Gene: Upyo_17 Start: 14116, Stop: 14946, Start Num: 109

Candidate Starts for Upyo_17:

(Start: 109 @14116 has 16 MA's), (140, 14161), (155, 14185), (235, 14365), (264, 14419), (325, 14512), (331, 14524), (401, 14608), (411, 14626), (558, 14812), (562, 14824), (583, 14863), (605, 14914),

Gene: Urkel_22 Start: 15965, Stop: 17101, Start Num: 31

Candidate Starts for Urkel_22:

(Start: 31 @15965 has 231 MA's), (Start: 67 @16082 has 6 MA's), (140, 16172), (154, 16193), (162, 16214), (178, 16241), (261, 16442), (293, 16496), (298, 16502), (334, 16577), (372, 16652), (390, 16667), (500, 16820), (539, 16913), (547, 16937), (584, 17030), (601, 17069), (608, 17087),

Gene: Utz_18 Start: 15788, Stop: 16648, Start Num: 73

Candidate Starts for Utz_18:

(Start: 67 @15782 has 6 MA's), (Start: 73 @15788 has 29 MA's), (183, 15944), (213, 16025), (275, 16124), (334, 16232), (398, 16316), (465, 16388), (538, 16517), (547, 16544), (553, 16559),

Gene: VA6_27 Start: 19197, Stop: 20207, Start Num: 106

Candidate Starts for VA6_27:

(Start: 106 @19197 has 240 MA's), (147, 19251), (161, 19272), (173, 19290), (247, 19461), (311, 19572), (329, 19611), (331, 19614), (353, 19659), (401, 19749), (511, 19962), (521, 19977), (554, 20052), (558, 20064), (568, 20088), (600, 20154),

Gene: VC3_30 Start: 19185, Stop: 20195, Start Num: 106

Candidate Starts for VC3_30:

(Start: 106 @19185 has 240 MA's), (147, 19239), (161, 19260), (173, 19278), (247, 19449), (311, 19560), (329, 19599), (331, 19602), (353, 19647), (401, 19737), (511, 19950), (521, 19965), (554, 20040), (558, 20052), (568, 20076), (600, 20142),

Gene: Valary_33 Start: 25854, Stop: 26798, Start Num: 91

Candidate Starts for Valary_33:

(Start: 91 @25854 has 34 MA's), (161, 25959), (192, 26028), (194, 26034), (202, 26058), (209, 26073), (438, 26433), (443, 26448), (456, 26466), (522, 26568), (541, 26610), (556, 26646), (598, 26742), (617, 26793),

Gene: Validus_22 Start: 15308, Stop: 16447, Start Num: 31

Candidate Starts for Validus_22:

(Start: 31 @15308 has 231 MA's), (Start: 67 @15428 has 6 MA's), (140, 15518), (178, 15587), (214, 15686), (215, 15689), (261, 15788), (293, 15842), (334, 15923), (372, 15998), (390, 16013), (476, 16124), (500, 16166), (501, 16169), (539, 16259), (568, 16343), (575, 16361), (584, 16376), (601, 16415), (608, 16433),

Gene: VanDeWege_33 Start: 25693, Stop: 26625, Start Num: 91

Candidate Starts for VanDeWege_33:

(Start: 91 @25693 has 34 MA's), (161, 25789), (192, 25858), (194, 25864), (202, 25888), (209, 25903), (319, 26077), (336, 26113), (390, 26191), (438, 26260), (522, 26395), (541, 26437), (556, 26473), (589, 26548), (598, 26569), (617, 26620),

Gene: VanLee_19 Start: 15562, Stop: 16449, Start Num: 99

Candidate Starts for VanLee_19:

(Start: 99 @15562 has 6 MA's), (147, 15619), (155, 15634), (212, 15769), (287, 15904), (302, 15934), (328, 15970), (329, 15973), (336, 15985), (345, 16006), (361, 16036), (411, 16093), (425, 16099), (439, 16123), (532, 16273), (573, 16369), (609, 16429),

Gene: Vanisoa_26 Start: 18587, Stop: 19609, Start Num: 106

Candidate Starts for Vanisoa_26:

(Start: 106 @18587 has 240 MA's), (Start: 122 @18605 has 2 MA's), (147, 18641), (161, 18662), (173, 18680), (287, 18932), (311, 18962), (331, 19004), (407, 19154), (439, 19199), (466, 19250), (467, 19256), (495, 19316), (558, 19466), (561, 19475),

Gene: VasuNzinga_49 Start: 25618, Stop: 26580, Start Num: 103

Candidate Starts for VasuNzinga_49:

(Start: 103 @25618 has 86 MA's), (183, 25750), (192, 25774), (196, 25783), (198, 25789), (202, 25798), (212, 25822), (214, 25831), (219, 25843), (280, 25969), (324, 26050), (331, 26065), (335, 26071), (411, 26179), (505, 26305), (507, 26311), (577, 26461), (581, 26467), (588, 26479), (590, 26482), (621, 26569), (623, 26572), (624, 26575),

Gene: Veliki_22 Start: 16054, Stop: 17190, Start Num: 31

Candidate Starts for Veliki_22:

(Start: 31 @16054 has 231 MA's), (Start: 67 @16171 has 6 MA's), (140, 16261), (154, 16282), (162, 16303), (178, 16330), (293, 16585), (334, 16666), (372, 16741), (390, 16756), (476, 16867), (500, 16909), (539, 17002), (547, 17026), (584, 17119), (601, 17158), (608, 17176),

Gene: Vendetta_21 Start: 15645, Stop: 16475, Start Num: 118

Candidate Starts for Vendetta_21:

(Start: 115 @15642 has 6 MA's), (Start: 118 @15645 has 5 MA's), (135, 15660), (158, 15699), (166, 15720), (168, 15723), (221, 15867), (324, 16053), (358, 16122), (432, 16224), (487, 16305), (490, 16308), (522, 16389), (524, 16395), (531, 16407), (532, 16410), (541, 16434),

Gene: Verity_33 Start: 29967, Stop: 30944, Start Num: 72

Candidate Starts for Verity_33:

(Start: 72 @29967 has 35 MA's), (144, 30054), (161, 30090), (180, 30126), (254, 30282), (255, 30285), (287, 30354), (328, 30417), (332, 30426), (379, 30516), (405, 30549), (407, 30552), (502, 30705), (520, 30747), (532, 30768), (543, 30795), (550, 30816), (554, 30825), (556, 30831), (569, 30864), (570, 30867), (591, 30912), (594, 30921), (600, 30933),

Gene: Vetrix_17 Start: 16080, Stop: 16994, Start Num: 103

Candidate Starts for Vetrix_17:

(Start: 103 @16080 has 86 MA's), (125, 16104), (147, 16134), (206, 16260), (246, 16332), (328, 16485), (329, 16488), (331, 16491), (345, 16521), (398, 16578), (411, 16602), (425, 16608), (486, 16677), (495, 16695), (502, 16716), (532, 16782), (558, 16845), (614, 16974), (619, 16986),

Gene: ViaConlectus_34 Start: 28404, Stop: 29390, Start Num: 72

Candidate Starts for ViaConlectus_34:

(Start: 72 @28404 has 35 MA's), (126, 28476), (144, 28500), (161, 28536), (180, 28572), (254, 28728), (287, 28800), (328, 28863), (332, 28872), (359, 28929), (379, 28962), (405, 28995), (407, 28998), (485, 29115), (502, 29151), (514, 29184), (520, 29193), (532, 29214), (543, 29241), (554, 29271), (556, 29277), (569, 29310), (570, 29313), (594, 29367), (600, 29379),

Gene: Vine_18 Start: 15477, Stop: 16433, Start Num: 110

Candidate Starts for Vine_18:

(Start: 110 @15477 has 84 MA's), (143, 15522), (173, 15579), (183, 15606), (202, 15660), (213, 15687), (247, 15738), (249, 15741), (252, 15747), (254, 15750), (281, 15804), (291, 15819), (320, 15864), (331, 15888), (342, 15903), (371, 15954), (438, 16050), (540, 16236), (553, 16266), (556, 16275), (566, 16299), (579, 16332), (616, 16419), (618, 16425),

Gene: Vivi2_36 Start: 30528, Stop: 31484, Start Num: 85

Candidate Starts for Vivi2_36:

(Start: 85 @30528 has 58 MA's), (194, 30714), (197, 30726), (209, 30753), (215, 30774), (255, 30834), (317, 30921), (319, 30924), (336, 30960), (352, 30993), (360, 31008), (367, 31020), (392, 31050), (396, 31056), (438, 31116), (500, 31206), (541, 31296), (552, 31320), (556, 31332), (584, 31398), (602, 31437), (606, 31449),

Gene: ViviJ_19 Start: 16180, Stop: 17310, Start Num: 37

Candidate Starts for ViviJ_19:

(Start: 37 @16180 has 23 MA's), (121, 16354), (161, 16420), (162, 16423), (178, 16450), (214, 16549), (261, 16651), (293, 16705), (311, 16735), (328, 16771), (329, 16774), (333, 16783), (370, 16858), (372, 16861), (404, 16897), (433, 16939), (461, 16957), (465, 16963), (476, 16987), (477, 16990), (500, 17029), (584, 17239), (601, 17278), (608, 17296),

Gene: VohminGhazi_30 Start: 18966, Stop: 19979, Start Num: 106

Candidate Starts for VohminGhazi_30:

(Start: 106 @18966 has 240 MA's), (147, 19020), (173, 19059), (212, 19164), (287, 19311), (311, 19341), (329, 19380), (331, 19383), (353, 19428), (385, 19488), (495, 19686), (558, 19836), (561, 19845),

Gene: Volt_54 Start: 27948, Stop: 28892, Start Num: 101

Candidate Starts for Volt_54:

(Start: 98 @27945 has 1 MA's), (Start: 101 @27948 has 12 MA's), (177, 28068), (213, 28164), (276, 28266), (319, 28332), (328, 28353), (331, 28359), (356, 28410), (371, 28434), (438, 28527), (462, 28566), (530, 28677), (532, 28683), (536, 28692), (539, 28698), (553, 28731), (556, 28740), (559, 28749), (566, 28764), (600, 28839), (604, 28851), (609, 28863), (616, 28884),

Gene: Vordorf_21 Start: 17520, Stop: 18380, Start Num: 73

Candidate Starts for Vordorf_21:

(Start: 73 @17520 has 29 MA's), (Start: 83 @17526 has 44 MA's), (Start: 112 @17562 has 15 MA's), (Start: 118 @17565 has 5 MA's), (203, 17733), (209, 17748), (213, 17760), (273, 17856), (275, 17859), (285, 17880), (293, 17895), (361, 18024), (464, 18120), (494, 18165), (501, 18186), (510, 18216), (554, 18306),

Gene: Waits_29 Start: 18089, Stop: 19066, Start Num: 110

Candidate Starts for Waits_29:

(Start: 110 @18089 has 84 MA's), (183, 18203), (186, 18209), (188, 18212), (297, 18446), (452, 18713), (493, 18767), (558, 18923),

Gene: Wallaby_21 Start: 15738, Stop: 16703, Start Num: 110

Candidate Starts for Wallaby_21:

(Start: 110 @15738 has 84 MA's), (143, 15783), (173, 15840), (183, 15867), (202, 15921), (247, 16002), (252, 16011), (254, 16014), (288, 16083), (320, 16131), (331, 16155), (371, 16221), (381, 16236), (412, 16275), (504, 16431), (539, 16497), (540, 16500), (541, 16503), (553, 16530), (556, 16539), (566, 16563), (579, 16596), (589, 16614), (605, 16659), (616, 16689), (618, 16695),

Gene: Walrus_19 Start: 16016, Stop: 16876, Start Num: 73

Candidate Starts for Walrus_19:

(Start: 67 @16010 has 6 MA's), (Start: 73 @16016 has 29 MA's), (183, 16172), (213, 16253), (275, 16352), (334, 16460), (398, 16544), (461, 16610), (494, 16655), (538, 16745), (553, 16787),

Gene: Wamburgxpress_17 Start: 15878, Stop: 16759, Start Num: 103

Candidate Starts for Wamburgxpress_17:

(Start: 89 @15860 has 16 MA's), (Start: 103 @15878 has 86 MA's), (125, 15902), (147, 15932), (155, 15947), (174, 15980), (246, 16124), (282, 16205), (329, 16280), (331, 16283), (335, 16289), (355, 16334), (376, 16361), (411, 16394), (425, 16400), (450, 16433), (455, 16442), (486, 16469), (538, 16589), (558, 16637), (598, 16703), (601, 16709), (614, 16748),

Gene: Warrior24_29 Start: 18093, Stop: 19070, Start Num: 110

Candidate Starts for Warrior24_29:

(Start: 110 @18093 has 84 MA's), (183, 18207), (186, 18213), (188, 18216), (297, 18450), (452, 18717), (493, 18771), (558, 18927),

Gene: Waterfoul_20 Start: 16344, Stop: 17474, Start Num: 37

Candidate Starts for Waterfoul_20:

(Start: 37 @16344 has 23 MA's), (162, 16587), (178, 16614), (214, 16713), (261, 16815), (293, 16869), (311, 16899), (328, 16935), (329, 16938), (333, 16947), (370, 17022), (372, 17025), (404, 17061), (433, 17103), (461, 17121), (465, 17127), (476, 17151), (477, 17154), (480, 17160), (500, 17193), (584, 17403), (601, 17442), (608, 17460),

Gene: Webster2_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Webster2_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266, 16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: WeiHuaDA_33 Start: 21452, Stop: 22465, Start Num: 106

Candidate Starts for WeiHuaDA_33:

(Start: 106 @21452 has 240 MA's), (Start: 122 @21470 has 2 MA's), (161, 21527), (173, 21545), (188, 21581), (199, 21620), (311, 21827), (329, 21866), (331, 21869), (353, 21914), (385, 21974), (401, 22007), (454, 22097), (473, 22133), (558, 22322), (561, 22331),

Gene: Weirido19_18 Start: 14977, Stop: 16083, Start Num: 51

Candidate Starts for Weirido19_18:

(9, 14650), (10, 14686), (Start: 51 @14977 has 1 MA's), (Start: 56 @14989 has 23 MA's), (154, 15118), (177, 15163), (178, 15166), (180, 15172), (188, 15187), (218, 15271), (251, 15355), (266, 15385), (269, 15391), (284, 15421), (300, 15448), (304, 15454), (308, 15463), (330, 15508), (337, 15526), (341, 15535), (391, 15610), (401, 15628), (478, 15769), (552, 15937), (567, 15976), (575, 15997), (581, 16006), (584, 16012), (601, 16051),

Gene: Wendigo_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Wendigo_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Whabigail7_29 Start: 19670, Stop: 20686, Start Num: 106

Candidate Starts for Whabigail7_29:

(Start: 106 @19670 has 240 MA's), (161, 19745), (173, 19763), (188, 19799), (199, 19838), (311, 20045), (329, 20084), (331, 20087), (377, 20174), (473, 20354), (521, 20456), (554, 20531), (558, 20543),

Gene: Whack_17 Start: 16453, Stop: 17082, Start Num: 211

Candidate Starts for Whack_17:

(102, 16246), (201, 16429), (Start: 211 @16453 has 1 MA's), (214, 16465), (243, 16504), (257, 16534), (271, 16552), (301, 16609), (304, 16612), (310, 16624), (318, 16639), (333, 16666), (336, 16675), (414, 16777), (420, 16783), (425, 16789), (469, 16837), (476, 16849), (497, 16876), (533, 16948), (551, 17002), (554, 17008), (561, 17026), (579, 17068),

Gene: WheatThin_21 Start: 16293, Stop: 17354, Start Num: 60

Candidate Starts for WheatThin_21:

(Start: 60 @16293 has 18 MA's), (Start: 99 @16338 has 6 MA's), (124, 16368), (188, 16476), (245, 16626), (266, 16674), (310, 16758), (316, 16767), (335, 16809), (448, 16986), (468, 17019), (491, 17055), (567, 17250), (600, 17322), (601, 17325),

Gene: Wheezy_40 Start: 28862, Stop: 29803, Start Num: 87

Candidate Starts for Wheezy_40:

(Start: 87 @28862 has 26 MA's), (150, 28949), (188, 29024), (Start: 211 @29090 has 1 MA's), (240, 29132), (267, 29189), (401, 29402), (415, 29429), (500, 29540), (558, 29672), (600, 29768),

Gene: Whirlwind_19 Start: 16247, Stop: 17137, Start Num: 103

Candidate Starts for Whirlwind_19:

(Start: 103 @16247 has 86 MA's), (125, 16271), (155, 16316), (161, 16331), (174, 16352), (212, 16448), (287, 16583), (292, 16592), (329, 16652), (331, 16655), (335, 16661), (376, 16733), (411, 16766), (486, 16841), (517, 16916), (540, 16967), (558, 17009), (614, 17120), (615, 17123),

Gene: Whitney_20 Start: 16305, Stop: 17228, Start Num: 112

Candidate Starts for Whitney_20:

(Start: 112 @16305 has 15 MA's), (Start: 117 @16308 has 6 MA's), (125, 16320), (139, 16338), (163, 16383), (183, 16422), (197, 16461), (Start: 211 @16494 has 1 MA's), (213, 16500), (252, 16569), (281, 16623), (283, 16626), (286, 16629), (293, 16641), (317, 16665), (320, 16671), (328, 16689), (360, 16743), (367, 16755), (371, 16761), (388, 16782), (421, 16827), (424, 16830), (435, 16848), (438, 16854), (443, 16869), (445, 16872), (539, 17025), (540, 17028), (543, 17034), (558, 17067), (566, 17085), (579, 17118), (603, 17169), (609, 17184), (622, 17220),

Gene: Whitty_18 Start: 16018, Stop: 16983, Start Num: 93

Candidate Starts for Whitty_18:

(Start: 93 @16018 has 8 MA's), (120, 16045), (130, 16063), (216, 16240), (217, 16243), (254, 16318), (287, 16384), (300, 16411), (329, 16468), (335, 16477), (506, 16714), (519, 16738), (561, 16837), (569, 16858), (578, 16879), (597, 16918), (601, 16927),

Gene: WhoseManz_42 Start: 26578, Stop: 27498, Start Num: 92

Candidate Starts for WhoseManz_42:

(Start: 92 @26578 has 11 MA's), (150, 26659), (174, 26704), (199, 26773), (267, 26899), (287, 26941), (336, 27025), (361, 27076), (401, 27109), (500, 27247), (527, 27307), (535, 27325), (558, 27367), (598, 27457), (600, 27463), (608, 27484),

Gene: WideWale_29 Start: 19643, Stop: 20659, Start Num: 106

Candidate Starts for WideWale_29:

(Start: 106 @19643 has 240 MA's), (161, 19718), (173, 19736), (188, 19772), (199, 19811), (287, 19988), (311, 20018), (329, 20057), (331, 20060), (558, 20516), (568, 20540),

Gene: Widow_17 Start: 14300, Stop: 15133, Start Num: 109

Candidate Starts for Widow_17:

(Start: 109 @14300 has 16 MA's), (155, 14369), (191, 14453), (209, 14504), (264, 14612), (325, 14705), (331, 14717), (335, 14723), (372, 14789), (507, 14915), (532, 14942), (534, 14945), (540, 14963), (547, 14978), (562, 15017),

Gene: Wigglewiggle_17 Start: 16106, Stop: 17020, Start Num: 103

Candidate Starts for Wigglewiggle_17:

(Start: 103 @16106 has 86 MA's), (125, 16130), (147, 16160), (206, 16286), (246, 16358), (328, 16511), (329, 16514), (331, 16517), (345, 16547), (398, 16604), (411, 16628), (425, 16634), (486, 16703), (495, 16721), (502, 16742), (527, 16796), (532, 16808), (558, 16871), (614, 17000), (619, 17012),

Gene: Wiks_30 Start: 18958, Stop: 19974, Start Num: 106

Candidate Starts for Wiks_30:

(Start: 106 @18958 has 240 MA's), (Start: 122 @18976 has 2 MA's), (147, 19012), (173, 19051), (212, 19156), (311, 19333), (329, 19372), (331, 19375), (377, 19462), (385, 19483), (455, 19609), (495, 19681), (558, 19831), (561, 19840), (600, 19921),

Gene: Wilder_17 Start: 16079, Stop: 16993, Start Num: 103

Candidate Starts for Wilder_17:

(Start: 103 @16079 has 86 MA's), (125, 16103), (147, 16133), (206, 16259), (246, 16331), (328, 16484), (329, 16487), (331, 16490), (345, 16520), (398, 16577), (411, 16601), (425, 16607), (486, 16676), (495, 16694), (502, 16715), (527, 16769), (532, 16781), (558, 16844), (614, 16973), (619, 16985),

Gene: William_18 Start: 15832, Stop: 16692, Start Num: 70

Candidate Starts for William_18:

(Start: 70 @15832 has 25 MA's), (Start: 93 @15847 has 8 MA's), (121, 15877), (138, 15898), (183, 15988), (213, 16069), (333, 16273), (334, 16276), (494, 16471), (538, 16561), (553, 16603), (570, 16651), (572, 16657),

Gene: WilliamBoone_47 Start: 28015, Stop: 28902, Start Num: 70

Candidate Starts for WilliamBoone_47:

(Start: 70 @28015 has 25 MA's), (Start: 76 @28021 has 13 MA's), (119, 28069), (140, 28096), (179, 28168), (186, 28183), (279, 28372), (333, 28465), (343, 28489), (350, 28504), (431, 28597), (433, 28600), (476, 28648), (558, 28828), (571, 28864),

Gene: Winky_17 Start: 16074, Stop: 16988, Start Num: 103

Candidate Starts for Winky_17:

(Start: 103 @16074 has 86 MA's), (125, 16098), (147, 16128), (206, 16254), (246, 16326), (328, 16479), (329, 16482), (331, 16485), (345, 16515), (398, 16572), (411, 16596), (425, 16602), (486, 16671), (495, 16689), (502, 16710), (532, 16776), (558, 16839), (614, 16968), (619, 16980),

Gene: Wintermute_23 Start: 17489, Stop: 18622, Start Num: 31

Candidate Starts for Wintermute_23:

(Start: 31 @17489 has 231 MA's), (38, 17507), (54, 17579), (Start: 67 @17609 has 6 MA's), (140, 17699), (162, 17741), (177, 17765), (215, 17870), (331, 18092), (333, 18098), (431, 18248), (433, 18251), (461, 18269), (476, 18299), (500, 18341), (501, 18344), (522, 18395), (575, 18536), (584, 18551), (601, 18590), (608, 18608),

Gene: Wishmaker_21 Start: 16315, Stop: 17409, Start Num: 56

Candidate Starts for Wishmaker_21:

(Start: 56 @16315 has 23 MA's), (59, 16324), (140, 16420), (147, 16429), (Start: 151 @16438 has 1 MA's), (178, 16489), (180, 16495), (216, 16591), (223, 16609), (251, 16678), (256, 16687), (266,

16708), (269, 16714), (272, 16720), (274, 16723), (310, 16795), (312, 16798), (401, 16954), (437, 17005), (444, 17023), (478, 17095), (494, 17113), (529, 17197), (539, 17224), (540, 17227), (552, 17263), (558, 17281), (575, 17323), (584, 17338), (585, 17341), (599, 17371), (601, 17377),

Gene: Wisp_17 Start: 15521, Stop: 16366, Start Num: 93

Candidate Starts for Wisp_17:

(Start: 67 @15500 has 6 MA's), (Start: 73 @15506 has 29 MA's), (Start: 93 @15521 has 8 MA's), (183, 15662), (213, 15743), (248, 15800), (253, 15809), (275, 15842), (334, 15950), (398, 16034), (461, 16100), (494, 16145), (538, 16235), (553, 16277), (587, 16358),

Gene: Wizard_30 Start: 25052, Stop: 25996, Start Num: 91

Candidate Starts for Wizard_30:

(Start: 91 @25052 has 34 MA's), (161, 25157), (192, 25226), (194, 25232), (202, 25256), (209, 25271), (438, 25631), (443, 25646), (456, 25664), (522, 25766), (541, 25808), (556, 25844), (598, 25940), (617, 25991),

Gene: Wizzo_15 Start: 11316, Stop: 12257, Start Num: 83

Candidate Starts for Wizzo_15:

(Start: 79 @11307 has 1 MA's), (81, 11310), (Start: 83 @11316 has 44 MA's), (Start: 110 @11349 has 84 MA's), (Start: 115 @11355 has 6 MA's), (126, 11367), (149, 11394), (154, 11403), (166, 11433), (168, 11436), (170, 11439), (194, 11505), (206, 11535), (Start: 211 @11550 has 1 MA's), (214, 11562), (215, 11565), (216, 11568), (230, 11592), (242, 11616), (247, 11631), (249, 11634), (267, 11670), (270, 11676), (280, 11703), (282, 11706), (319, 11754), (329, 11778), (331, 11781), (335, 11787), (367, 11850), (375, 11862), (400, 11892), (406, 11904), (408, 11907), (410, 11910), (441, 11961), (447, 11976), (458, 11997), (479, 12012), (489, 12027), (492, 12033), (521, 12105), (522, 12108), (531, 12126), (532, 12129), (536, 12138), (554, 12186), (558, 12198), (561, 12207), (566, 12219), (567, 12222), (569, 12228), (574, 12243),

Gene: Wocket_19 Start: 15980, Stop: 16840, Start Num: 73

Candidate Starts for Wocket_19:

(Start: 67 @15974 has 6 MA's), (Start: 73 @15980 has 29 MA's), (183, 16136), (334, 16424), (398, 16508), (461, 16574), (465, 16580), (538, 16709), (553, 16751),

Gene: Wolfwood_21 Start: 15738, Stop: 16703, Start Num: 110

Candidate Starts for Wolfwood_21:

(Start: 110 @15738 has 84 MA's), (143, 15783), (161, 15819), (173, 15840), (183, 15867), (202, 15921), (234, 15978), (247, 16002), (252, 16011), (254, 16014), (288, 16083), (320, 16131), (371, 16221), (381, 16236), (412, 16275), (504, 16431), (539, 16497), (540, 16500), (541, 16503), (553, 16530), (556, 16539), (566, 16563), (579, 16596), (589, 16614), (605, 16659), (616, 16689), (618, 16695),

Gene: Wolpertinger_26 Start: 19733, Stop: 20755, Start Num: 106

Candidate Starts for Wolpertinger_26:

(Start: 106 @19733 has 240 MA's), (147, 19790), (183, 19865), (242, 19994), (270, 20054), (304, 20114), (311, 20120), (331, 20162), (353, 20207), (355, 20213), (401, 20297), (426, 20330), (558, 20612), (561, 20621), (568, 20636), (600, 20702),

Gene: WorldCup_25 Start: 18587, Stop: 19609, Start Num: 106

Candidate Starts for WorldCup_25:

(Start: 106 @18587 has 240 MA's), (Start: 122 @18605 has 2 MA's), (147, 18641), (161, 18662), (173, 18680), (212, 18785), (287, 18932), (311, 18962), (331, 19004), (385, 19109), (407, 19154), (439, 19199), (466, 19250), (467, 19256), (470, 19265), (521, 19379), (544, 19430), (554, 19454), (558, 19466), (600, 19556),

Gene: WunderPhul_30 Start: 18958, Stop: 19974, Start Num: 106

Candidate Starts for WunderPhul_30:

(Start: 106 @18958 has 240 MA's), (Start: 122 @18976 has 2 MA's), (147, 19012), (173, 19051), (212, 19156), (311, 19333), (329, 19372), (331, 19375), (377, 19462), (385, 19483), (455, 19609), (495, 19681), (558, 19831), (561, 19840), (600, 19921),

Gene: Wyatt2_17 Start: 15847, Stop: 16746, Start Num: 89

Candidate Starts for Wyatt2_17:

(62, 15811), (Start: 89 @15847 has 16 MA's), (Start: 103 @15865 has 86 MA's), (125, 15889), (147, 15919), (155, 15934), (174, 15967), (246, 16111), (329, 16267), (331, 16270), (335, 16276), (355, 16321), (376, 16348), (425, 16387), (450, 16420), (455, 16429), (486, 16456), (538, 16576), (558, 16624), (598, 16690), (601, 16696), (614, 16735),

Gene: XianYue_27 Start: 19126, Stop: 20139, Start Num: 106

Candidate Starts for XianYue_27:

(Start: 106 @19126 has 240 MA's), (161, 19201), (173, 19219), (188, 19255), (199, 19294), (207, 19309), (270, 19435), (287, 19471), (311, 19501), (329, 19540), (331, 19543), (353, 19588), (473, 19807), (521, 19909), (554, 19984), (558, 19996), (568, 20020),

Gene: Ximenita_22 Start: 15360, Stop: 16499, Start Num: 31

Candidate Starts for Ximenita_22:

(Start: 31 @15360 has 231 MA's), (Start: 67 @15480 has 6 MA's), (140, 15570), (178, 15639), (261, 15840), (293, 15894), (370, 16047), (390, 16065), (461, 16146), (476, 16176), (480, 16185), (500, 16218), (539, 16311), (547, 16335), (575, 16413), (584, 16428), (601, 16467), (608, 16485),

Gene: Y10_23 Start: 17489, Stop: 18622, Start Num: 31

Candidate Starts for Y10_23:

(Start: 31 @17489 has 231 MA's), (38, 17507), (54, 17579), (Start: 67 @17609 has 6 MA's), (140, 17699), (162, 17741), (177, 17765), (215, 17870), (331, 18092), (333, 18098), (431, 18248), (433, 18251), (461, 18269), (476, 18299), (500, 18341), (501, 18344), (522, 18395), (575, 18536), (584, 18551), (601, 18590), (608, 18608),

Gene: Y2_23 Start: 17489, Stop: 18622, Start Num: 31

Candidate Starts for Y2_23:

(Start: 31 @17489 has 231 MA's), (38, 17507), (54, 17579), (Start: 67 @17609 has 6 MA's), (140, 17699), (162, 17741), (177, 17765), (215, 17870), (331, 18092), (333, 18098), (431, 18248), (433, 18251), (461, 18269), (476, 18299), (500, 18341), (501, 18344), (522, 18395), (575, 18536), (584, 18551), (601, 18590), (608, 18608),

Gene: Yakult_18 Start: 14355, Stop: 15323, Start Num: 110

Candidate Starts for Yakult_18:

(58, 14280), (Start: 110 @14355 has 84 MA's), (143, 14400), (145, 14403), (147, 14406), (155, 14421), (161, 14436), (178, 14472), (183, 14484), (247, 14616), (252, 14625), (319, 14739), (320, 14742), (371, 14832), (438, 14943), (496, 15030), (540, 15126), (541, 15129), (553, 15156), (556, 15165), (558, 15171), (566, 15189), (579, 15222), (584, 15231), (616, 15309), (618, 15315),

Gene: YangYin_17 Start: 15824, Stop: 17002, Start Num: 31

Candidate Starts for YangYin_17:

(4, 15413), (5, 15473), (Start: 31 @15824 has 231 MA's), (Start: 84 @15968 has 6 MA's), (124, 16019), (162, 16085), (163, 16088), (207, 16187), (208, 16190), (215, 16214), (236, 16259), (240, 16265), (338, 16454), (368, 16514), (445, 16622), (450, 16634), (476, 16679), (500, 16721), (567, 16895), (568, 16898), (575, 16916), (597, 16958), (599, 16964),

Gene: Yarn_16 Start: 14423, Stop: 15394, Start Num: 110

Candidate Starts for Yarn_16:

(Start: 110 @14423 has 84 MA's), (143, 14468), (155, 14489), (161, 14504), (173, 14525), (192, 14576), (202, 14606), (213, 14633), (247, 14684), (252, 14693), (254, 14696), (281, 14750), (288, 14762), (320, 14810), (371, 14900), (402, 14951), (419, 14981), (438, 15011), (445, 15029), (504, 15125), (511, 15143), (539, 15194), (540, 15197), (553, 15227), (556, 15236), (561, 15251), (587, 15308), (608, 15356), (616, 15380), (618, 15386),

Gene: YasnayaPolyana_23 Start: 17490, Stop: 18623, Start Num: 31

Candidate Starts for YasnayaPolyana_23:

(Start: 31 @17490 has 231 MA's), (38, 17508), (54, 17580), (Start: 67 @17610 has 6 MA's), (140, 17700), (162, 17742), (177, 17766), (215, 17871), (331, 18093), (333, 18099), (431, 18249), (433, 18252), (461, 18270), (476, 18300), (500, 18342), (501, 18345), (522, 18396), (575, 18537), (584, 18552), (601, 18591), (608, 18609),

Gene: Yecey3_27 Start: 18619, Stop: 19641, Start Num: 106

Candidate Starts for Yecey3_27:

(Start: 106 @18619 has 240 MA's), (Start: 122 @18637 has 2 MA's), (173, 18712), (188, 18748), (270, 18928), (287, 18964), (311, 18994), (331, 19036), (353, 19081), (401, 19174), (407, 19186), (426, 19207), (466, 19282), (558, 19498), (561, 19507),

Gene: Yndexa_42 Start: 28532, Stop: 29452, Start Num: 92

Candidate Starts for Yndexa_42:

(Start: 92 @28532 has 11 MA's), (150, 28613), (174, 28658), (199, 28727), (287, 28895), (336, 28979), (361, 29030), (401, 29063), (527, 29261), (535, 29279), (558, 29321), (598, 29411), (600, 29417), (608, 29438),

Gene: Yogi_22 Start: 15454, Stop: 16326, Start Num: 114

Candidate Starts for Yogi_22:

(Start: 114 @15454 has 85 MA's), (140, 15493), (183, 15574), (186, 15580), (Start: 211 @15649 has 1 MA's), (254, 15727), (267, 15754), (331, 15865), (409, 15961), (521, 16090), (530, 16108), (558, 16177), (615, 16315),

Gene: Yokurt_30 Start: 18958, Stop: 19974, Start Num: 106

Candidate Starts for Yokurt_30:

(Start: 106 @18958 has 240 MA's), (Start: 122 @18976 has 2 MA's), (147, 19012), (173, 19051), (212, 19156), (311, 19333), (329, 19372), (331, 19375), (377, 19462), (385, 19483), (455, 19609), (495, 19681), (558, 19831), (561, 19840), (600, 19921),

Gene: Yoncess_22 Start: 15454, Stop: 16326, Start Num: 114

Candidate Starts for Yoncess_22:

(Start: 114 @15454 has 85 MA's), (140, 15493), (183, 15574), (186, 15580), (Start: 211 @15649 has 1 MA's), (254, 15727), (267, 15754), (331, 15865), (409, 15961), (521, 16090), (530, 16108), (558, 16177), (615, 16315),

Gene: YorkOnyx_34 Start: 28912, Stop: 29868, Start Num: 85

Candidate Starts for YorkOnyx_34:

(Start: 85 @28912 has 58 MA's), (183, 29068), (194, 29098), (197, 29110), (202, 29122), (209, 29137), (213, 29149), (319, 29308), (336, 29344), (367, 29404), (381, 29428), (396, 29440), (438, 29500), (500, 29590), (541, 29680), (552, 29704), (556, 29716), (584, 29782), (591, 29797), (602, 29821), (606, 29833),

Gene: Yoshi_18 Start: 12812, Stop: 13741, Start Num: 101

Candidate Starts for Yoshi_18:

(Start: 101 @12812 has 12 MA's), (147, 12872), (173, 12923), (Start: 211 @13022 has 1 MA's), (213, 13028), (218, 13043), (249, 13085), (293, 13163), (315, 13181), (349, 13247), (356, 13259), (386, 13304), (419, 13343), (424, 13349), (438, 13373), (439, 13376), (440, 13379), (498, 13457), (504, 13478), (505, 13481), (527, 13517), (539, 13544), (540, 13547), (558, 13586), (566, 13604), (568, 13610), (584, 13646), (587, 13652), (598, 13676), (601, 13682), (603, 13688),

Gene: YoureAdopted_21 Start: 15987, Stop: 17123, Start Num: 31

Candidate Starts for YoureAdopted_21:

(Start: 31 @15987 has 231 MA's), (Start: 67 @16104 has 6 MA's), (140, 16194), (154, 16215), (162, 16236), (178, 16263), (293, 16518), (334, 16599), (372, 16674), (390, 16689), (476, 16800), (500, 16842), (539, 16935), (547, 16959), (584, 17052), (601, 17091), (608, 17109),

Gene: Yucky_17 Start: 15337, Stop: 16293, Start Num: 110

Candidate Starts for Yucky_17:

(Start: 110 @15337 has 84 MA's), (143, 15382), (173, 15439), (183, 15466), (202, 15520), (213, 15547), (247, 15598), (249, 15601), (252, 15607), (254, 15610), (281, 15664), (291, 15679), (320, 15724), (331, 15748), (342, 15763), (371, 15814), (438, 15910), (540, 16096), (553, 16126), (556, 16135), (566, 16159), (579, 16192), (616, 16279), (618, 16285),

Gene: Yummy_18 Start: 14308, Stop: 15279, Start Num: 110

Candidate Starts for Yummy_18:

(Start: 110 @14308 has 84 MA's), (143, 14353), (155, 14374), (161, 14389), (183, 14437), (192, 14461), (202, 14491), (247, 14569), (252, 14578), (254, 14581), (288, 14647), (320, 14695), (344, 14737), (371, 14785), (402, 14836), (438, 14896), (443, 14911), (445, 14914), (457, 14938), (504, 15010), (511, 15028), (539, 15079), (540, 15082), (553, 15112), (556, 15121), (561, 15136), (579, 15178), (587, 15193), (608, 15241), (616, 15265), (618, 15271),

Gene: Yuna_22 Start: 15278, Stop: 16414, Start Num: 31

Candidate Starts for Yuna_22:

(Start: 31 @15278 has 231 MA's), (Start: 67 @15395 has 6 MA's), (121, 15458), (178, 15554), (215, 15656), (261, 15755), (293, 15809), (334, 15890), (433, 16043), (465, 16067), (500, 16133), (501, 16136), (502, 16139), (539, 16226), (575, 16328), (584, 16343), (601, 16382), (608, 16400),

Gene: YungMoney_32 Start: 26412, Stop: 27344, Start Num: 91

Candidate Starts for YungMoney_32:

(Start: 91 @26412 has 34 MA's), (161, 26508), (192, 26577), (194, 26583), (197, 26595), (198, 26598), (202, 26607), (209, 26622), (319, 26796), (335, 26829), (336, 26832), (419, 26949), (438, 26979), (522, 27114), (539, 27150), (556, 27192), (589, 27267), (598, 27288),

Gene: Yunkel11_22 Start: 15243, Stop: 16379, Start Num: 31

Candidate Starts for Yunkel11_22:

(Start: 31 @15243 has 231 MA's), (Start: 67 @15360 has 6 MA's), (140, 15450), (154, 15471), (178, 15519), (293, 15774), (334, 15855), (372, 15930), (390, 15945), (476, 16056), (500, 16098), (534, 16176), (539, 16191), (547, 16215), (584, 16308), (601, 16347), (608, 16365),

Gene: Yvonnetastic_44 Start: 29619, Stop: 30515, Start Num: 65

Candidate Starts for Yvonnetastic_44:

(Start: 65 @29619 has 2 MA's), (140, 29706), (177, 29772), (183, 29787), (186, 29793), (273, 29964), (305, 30021), (333, 30075), (343, 30099), (420, 30198), (433, 30216), (476, 30264), (494, 30282), (502, 30306), (570, 30474),

Gene: ZAYM_18 Start: 16111, Stop: 16974, Start Num: 151

Candidate Starts for ZAYM_18:

(14, 15733), (18, 15784), (86, 16030), (Start: 106 @16048 has 240 MA's), (Start: 117 @16057 has 6 MA's), (147, 16099), (Start: 151 @16111 has 1 MA's), (259, 16333), (283, 16378), (299, 16402), (313, 16408), (320, 16423), (335, 16453), (371, 16513), (375, 16519), (421, 16579), (424, 16582), (438, 16606), (486, 16663), (527, 16750), (558, 16819), (581, 16873), (616, 16957),

Gene: Zabiza_22 Start: 16018, Stop: 17154, Start Num: 31

Candidate Starts for Zabiza_22:

(Start: 31 @16018 has 231 MA's), (Start: 67 @16135 has 6 MA's), (140, 16225), (154, 16246), (162, 16267), (178, 16294), (293, 16549), (334, 16630), (372, 16705), (390, 16720), (476, 16831), (500, 16873), (539, 16966), (547, 16990), (584, 17083), (601, 17122), (608, 17140),

Gene: Zaka_30 Start: 18958, Stop: 19974, Start Num: 106

Candidate Starts for Zaka_30:

(Start: 106 @18958 has 240 MA's), (Start: 122 @18976 has 2 MA's), (147, 19012), (173, 19051), (212, 19156), (311, 19333), (329, 19372), (331, 19375), (377, 19462), (385, 19483), (455, 19609), (495, 19681), (558, 19831), (561, 19840), (600, 19921),

Gene: Zakai_17 Start: 16068, Stop: 16982, Start Num: 103

Candidate Starts for Zakai_17:

(Start: 103 @16068 has 86 MA's), (125, 16092), (147, 16122), (206, 16248), (246, 16320), (328, 16473), (329, 16476), (331, 16479), (345, 16509), (398, 16566), (411, 16590), (425, 16596), (486, 16665), (495, 16683), (502, 16704), (532, 16770), (558, 16833), (614, 16962), (619, 16974),

Gene: Zapner_19 Start: 13337, Stop: 14266, Start Num: 101

Candidate Starts for Zapner_19:

(Start: 101 @13337 has 12 MA's), (147, 13397), (173, 13448), (Start: 211 @13547 has 1 MA's), (213, 13553), (218, 13568), (293, 13688), (315, 13706), (349, 13772), (356, 13784), (386, 13829), (419, 13868), (424, 13874), (438, 13898), (439, 13901), (440, 13904), (443, 13913), (445, 13916), (498, 13982), (504, 14003), (505, 14006), (527, 14042), (539, 14069), (540, 14072), (558, 14111), (566, 14129), (568, 14135), (584, 14171), (587, 14177), (598, 14201), (601, 14207), (603, 14213),

Gene: Zarbodnamra_18 Start: 15786, Stop: 16652, Start Num: 67

Candidate Starts for Zarbodnamra_18:

(Start: 67 @15786 has 6 MA's), (Start: 73 @15792 has 29 MA's), (183, 15948), (213, 16029), (275, 16128), (334, 16236), (398, 16320), (538, 16521), (553, 16563),

Gene: Zareef_19 Start: 15746, Stop: 16711, Start Num: 110

Candidate Starts for Zareef_19:

(Start: 110 @15746 has 84 MA's), (143, 15791), (161, 15827), (173, 15848), (183, 15875), (202, 15929), (247, 16010), (252, 16019), (254, 16022), (288, 16091), (320, 16139), (371, 16229), (381, 16244), (412, 16283), (504, 16439), (539, 16505), (540, 16508), (541, 16511), (553, 16538), (556, 16547), (566, 16571), (579, 16604), (589, 16622), (605, 16667), (616, 16697), (618, 16703),

Gene: Zaria_17 Start: 15861, Stop: 16760, Start Num: 89

Candidate Starts for Zaria_17:

(Start: 89 @15861 has 16 MA's), (Start: 103 @15879 has 86 MA's), (125, 15903), (147, 15933), (155, 15948), (174, 15981), (246, 16125), (282, 16206), (329, 16281), (331, 16284), (335, 16290), (355, 16335), (376, 16362), (411, 16395), (425, 16401), (450, 16434), (455, 16443), (486, 16470), (538, 16590), (558, 16638), (598, 16704), (601, 16710), (614, 16749),

Gene: Zavala_22 Start: 15992, Stop: 17128, Start Num: 31

Candidate Starts for Zavala_22:

(Start: 31 @15992 has 231 MA's), (Start: 67 @16109 has 6 MA's), (140, 16199), (154, 16220), (162, 16241), (178, 16268), (293, 16523), (334, 16604), (372, 16679), (390, 16694), (476, 16805), (500, 16847), (539, 16940), (547, 16964), (584, 17057), (601, 17096), (608, 17114),

Gene: ZenTime222_18 Start: 16018, Stop: 16983, Start Num: 93

Candidate Starts for ZenTime222_18:

(Start: 93 @16018 has 8 MA's), (120, 16045), (130, 16063), (216, 16240), (217, 16243), (254, 16318), (287, 16384), (300, 16411), (329, 16468), (335, 16477), (506, 16714), (519, 16738), (561, 16837), (569, 16858), (578, 16879), (597, 16918), (601, 16927),

Gene: ZhongYanYuan_16 Start: 15899, Stop: 16813, Start Num: 103

Candidate Starts for ZhongYanYuan_16:

(Start: 103 @15899 has 86 MA's), (125, 15923), (147, 15953), (188, 16034), (206, 16079), (328, 16304), (329, 16307), (331, 16310), (345, 16340), (398, 16397), (425, 16427), (486, 16496), (495, 16514), (527, 16589), (532, 16601), (558, 16664), (571, 16691), (601, 16754), (614, 16793), (619, 16805),

Gene: ZiggyZoo_17 Start: 15583, Stop: 16443, Start Num: 73

Candidate Starts for ZiggyZoo_17:

(Start: 67 @15577 has 6 MA's), (Start: 73 @15583 has 29 MA's), (183, 15739), (213, 15820), (275, 15919), (334, 16027), (398, 16111), (461, 16177), (494, 16222), (538, 16312), (553, 16354),

Gene: Ziko_55 Start: 27888, Stop: 28832, Start Num: 101

Candidate Starts for Ziko_55:

(Start: 98 @27885 has 1 MA's), (Start: 101 @27888 has 12 MA's), (177, 28008), (213, 28104), (276, 28206), (319, 28272), (328, 28293), (331, 28299), (356, 28350), (371, 28374), (438, 28467), (462, 28506), (530, 28617), (532, 28623), (536, 28632), (539, 28638), (553, 28671), (556, 28680), (559, 28689), (566, 28704), (600, 28779), (604, 28791), (609, 28803), (616, 28824),

Gene: Zilla_18 Start: 15810, Stop: 16670, Start Num: 70

Candidate Starts for Zilla_18:

(Start: 70 @15810 has 25 MA's), (Start: 93 @15825 has 8 MA's), (164, 15927), (183, 15966), (213, 16047), (267, 16131), (275, 16146), (334, 16254), (398, 16338), (461, 16404), (465, 16410), (538, 16539), (547, 16566), (553, 16581),

Gene: Zimmer_29 Start: 21369, Stop: 22385, Start Num: 106

Candidate Starts for Zimmer_29:

(Start: 106 @21369 has 240 MA's), (161, 21444), (173, 21462), (188, 21498), (199, 21537), (311, 21744), (329, 21783), (331, 21786), (558, 22242),

Gene: Zion_33 Start: 28461, Stop: 29327, Start Num: 72

Candidate Starts for Zion_33:

(Start: 72 @28461 has 35 MA's), (88, 28485), (128, 28530), (161, 28590), (181, 28629), (216, 28725), (313, 28887), (328, 28920), (398, 28995), (411, 29019), (537, 29160), (558, 29196), (569, 29223), (596, 29280),

Gene: Zipp_33 Start: 29867, Stop: 30844, Start Num: 72

Candidate Starts for Zipp_33:

(Start: 72 @29867 has 35 MA's), (144, 29954), (161, 29990), (180, 30026), (254, 30182), (255, 30185), (287, 30254), (328, 30317), (332, 30326), (379, 30416), (405, 30449), (407, 30452), (502, 30605), (520, 30647), (532, 30668), (543, 30695), (550, 30716), (554, 30725), (556, 30731), (569, 30764), (570, 30767), (591, 30812), (594, 30821), (600, 30833),

Gene: Zitch_35 Start: 27751, Stop: 28728, Start Num: 72

Candidate Starts for Zitch_35:

(Start: 72 @27751 has 35 MA's), (135, 27826), (144, 27838), (161, 27874), (180, 27910), (216, 28012), (254, 28066), (287, 28138), (289, 28144), (328, 28201), (332, 28210), (359, 28267), (379, 28300), (405, 28333), (407, 28336), (502, 28489), (514, 28522), (520, 28531), (532, 28552), (543, 28579), (550, 28600), (554, 28609), (556, 28615), (569, 28648), (570, 28651), (594, 28705), (600, 28717),

Gene: ZoMa_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for ZoMa_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Zodiariah_17 Start: 15097, Stop: 16167, Start Num: 57

Candidate Starts for Zodiariah_17:

(Start: 57 @15097 has 2 MA's), (61, 15106), (140, 15199), (162, 15241), (188, 15289), (251, 15457), (263, 15481), (266, 15487), (304, 15559), (308, 15568), (310, 15571), (401, 15721), (417, 15748), (444, 15790), (471, 15838), (539, 15985), (554, 16030), (555, 16033), (567, 16063), (581, 16093), (584, 16099), (600, 16135), (601, 16138),

Gene: ZoeJ_18 Start: 13830, Stop: 14957, Start Num: 33

Candidate Starts for ZoeJ_18:

(Start: 33 @13830 has 11 MA's), (38, 13839), (Start: 67 @13941 has 6 MA's), (140, 14031), (162, 14073), (163, 14076), (178, 14100), (214, 14199), (244, 14262), (261, 14301), (293, 14355), (333, 14433), (370, 14508), (433, 14586), (461, 14604), (476, 14634), (500, 14676), (501, 14679), (539, 14769), (547, 14793), (575, 14871), (584, 14886), (601, 14925), (608, 14943),

Gene: Zolita_22 Start: 18827, Stop: 19840, Start Num: 114

Candidate Starts for Zolita_22:

(Start: 114 @18827 has 85 MA's), (173, 18923), (186, 18956), (188, 18959), (199, 18998), (217, 19046), (311, 19199), (320, 19217), (331, 19241), (351, 19283), (511, 19595), (558, 19697), (569, 19724),

Gene: Zombie_17 Start: 15477, Stop: 16649, Start Num: 31

Candidate Starts for Zombie_17:

(5, 15144), (Start: 31 @15477 has 231 MA's), (Start: 67 @15597 has 6 MA's), (Start: 84 @15615 has 6 MA's), (121, 15660), (124, 15666), (161, 15729), (180, 15765), (207, 15834), (208, 15837), (214, 15858), (240, 15912), (261, 15957), (278, 15987), (333, 16089), (338, 16101), (342, 16113), (351, 16131), (461, 16296), (476, 16326), (491, 16344), (500, 16368), (548, 16488), (584, 16578), (599, 16611),

Gene: Zulu_30 Start: 18957, Stop: 19973, Start Num: 106

Candidate Starts for Zulu_30:

(Start: 106 @18957 has 240 MA's), (Start: 122 @18975 has 2 MA's), (147, 19011), (173, 19050), (212, 19155), (311, 19332), (329, 19371), (331, 19374), (377, 19461), (385, 19482), (455, 19608), (495, 19680), (558, 19830), (561, 19839), (600, 19920),