

[illegible]

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	84	158	225	237	258	259	375	401	419	438	442	444	490	553	592	631	669	705	732	755	800	895	905	988	1000	1006
I01: Kuleana_3	84		225	237	258	259																				
I02: Zhuangyuan_4	84		213	231	258	259		401	419	438	442	444	490													
I03: Antice_3	84		213	231	258	259		401	419	438	442	444	490													
I04: BiddleI2_4+1	84		213	231	258	259		401	419	438	442	444	490													
I05: Amphimite_2	84				258	259	331																			
I06: Leona_2+2	84		213		258	259	331																			
I07: Babushka_2	84				258	259	331																			
I08: Oppaira_2+7	84				258	259	331																			
I09: Laphuphu24k_2	84				258	259	331																			
I10: KHumphrey_2	84				258	259	331																			
I11: HamCheese_2	84		213		258	259	331																			
I12: AlexMinnion_2+1	84		223	231	258	259	331																			
I13: Andrew_3	84				258	259	331																			
I14: Fingoinn_2	84				258	259	331																			
I15: Atlantica_2	84				258	259	331																			
I16: JunoI12_2	84		213		258	259	331																			
I17: Rennei2_3	78	100	222	232	258	259	344																			
I18: Atraxa_3+1	159	176	224	234	258	259	359																			
I19: Mookitty_3	159	161	224	234	258	259	374																			
I20: Aadaa_3	159	161	224	234	258	259	374																			
I21: Raqqa_3	159	161	224	234	258	259	374																			
I22: AbbyDaisy_3	159	161	224	234	258	259	374																			
I23: Kudeo_2	159	161	224	234	258	259	374																			
I24: MEAK_2	159	161	224	234	258	259	374																			
I25: PI001_2	159	161	224	234	258	259	374																			
I26: PI00A_2	159	161	224	234	258	259	374																			
I27: PA6_2	159	161	224	234	258	259	374																			
I28: Moyasmi_2	159	161	224	234	258	259	374																			
I29: PAS50_2	159	161	224	234	258	259	374																			
I30: P91_2	159	161	224	234	258	259	374																			
I31: Procrasti_2	159	161	224	234	258	259	374																			
I32: PI00D_2	159	161	224	234	258	259	374																			
I33: ATCC29399B1_2	159	161	224	234	258	259	374																			
I34: PI05_2	159	161	224	234	258	259	374																			
I35: P144_2	159	161	224	234	258	259	374																			
I36: PHL111M01_02	159	161	224	234	258	259	374																			
I37: Solid_2	159	161	224	234	258	259	374																			
I38: PI06M_2+3	159	161	224	234	258	259	374																			
I39: LimBandit_2	159	161	224	234	258	259	374																			
I40: SKKY_2	159	161	224	234	258	259	374																			
I41: ENOKI_2	159	161	224	234	258	259	374																			
I42: PI01A_2	159	161	224	234	258	259	374																			
I43: Ouroboros_2	159	161	224	234	258	259	374																			
I44: PHL06UL00_02	159	161	224	234	258	259	374																			
I45: PHL010M04_02	159	161	224	234	258	259	374																			
I46: P11_2	159	161	224	234	258	259	374																			
I47: ATCC29399BC_2+1	159	161	224	234	258	259	374																			
I48: MIAK_2	159	161	224	234	258	259	374																			
I49: PI08C_2	159	161	224	234	258	259	374																			
I50: PAD20_2	159	161	224	234	258	259	374																			

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#01: Naby_3 + 1	107		237	276	303	316	331	415	437		511	533	580	589	624	749	741	770	810	831		934	
#02: MinimarMandM_3 + 2	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#03: Biscayne_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#04: Cayde6_3 + 3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#05: ELee24_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#06: Maulivory_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#07: Azizam_3 + 1	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#08: Luca_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#09: KillerTomato_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#10: Namsahir_3 + 1	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#11: Anseraureola_3	107	205	237	276	303	316	331	418	423	437	511	533	580	589	624	680	719	741	800	831	934	988	
#12: Efeke_4	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#13: Madebyisha_3 + 3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#14: Bn160_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#15: Kaijohn_3	107	202	237	276	303	316	331		430		511	533	580	589	624	661	749	741	770	810	831	934	
#16: Bradley2_3	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#17: Picnic_3 + 1	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#18: Yami_3 + 1	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#19: Snuffles_4	107		237	276	303	316	331		430		511	533	580	589	624	749	741	770	810	831		934	
#20: Hernandez44_3 + 1	123		246	254	305	331	346	418	423	437	511	561	594	623	661	690	733	759	789	831	878	934	
#21: Lederberg_2 + 2	123	180	246	254	305	331	346	418	423	437	511	561	594	623	661	690	733	759	789	831	878	934	
#22: SAB_2	123		246	254	305	331	346	418	423	437	511	561	594	623	661	690	733	759	789	831	878	934	
#23: Adelaide_2	123		246	254	305	331	346	418	423	437	511	561	594	623	661	690	733	759	789	831	878	934	
#24: Dina_2	123	180	246	254	305	331	346	418	423	437	511	561	594	623	661	690	733	759	789	831	878	934	
#25: Bran_2	123		246	254	305	331	346	418	423	437	511	561	594	623	661	690	733	759	789	831	878	934	
#26: Stiles_2	906				305	331	346	418	423	437	559	576	595	623	661	688	733	759	789	800	831	934	
#27: Flashwig_2	906				305	331	346	418	423	437	559	576	595	623	661	688	733	759	789	800	831	934	
#28: CareluiCloud_2	906				305	331	346	418	423	437	559	576	595	623	661	688	733	759	789	800	831	934	
#29: TailX7_2	906				305	331	346	418	423	437	559	576	595	623	661	688	733	759	789	800	831	934	
#30: HorseRider_2	906				305	331	346	418	423	437	559	576	595	623	661	688	733	759	789	800	831	934	
#31: Jailon_2	906				305	331	346	418	423	437	559	576	595	623	661	688	733	759	789	800	831	934	
#32: CyranoPS_2	1149	180	237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#33: Spartan_2	1149	180	237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#34: Gallop_2	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#35: Doomslug_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#36: LordVader_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#37: Spikelee_3 + 13	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#38: Kingsley_3 + 8	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#39: Hegedechwinu_3 + 5	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#40: DocMcStuifins_3 + 5	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#41: Frankie_3 + 1	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#42: Bearstark_3 + 5	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#43: Beakin_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#44: Mozy_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#45: J0042_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#46: Tchotchke_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#47: OncleRicky_3 + 2	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#48: OWIST20v_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#49: Juice45b_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934
#50: Cornucopia_3	1149		237	254	305	321	339	399	418	423	437	446	455	559	580	619	661	688	733	759	789	800	934

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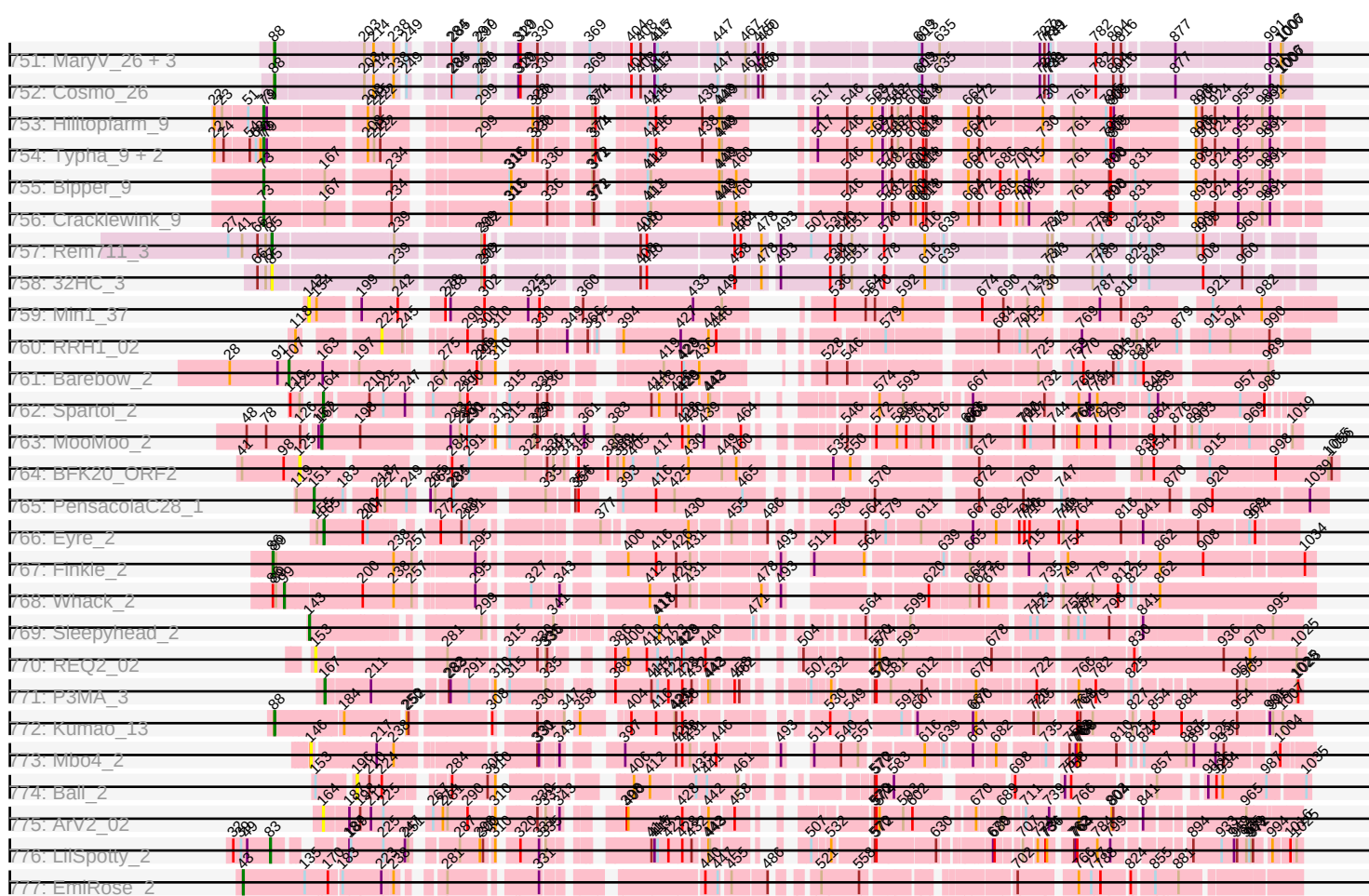
[illegible]

501: Cuiosium_9	71	114	153	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
502: Vaidus_8	71	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
503: TingHuaYa_8	85	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
504: LaterM_8+2	85	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
505: Yunker11_8	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
506: Mily_4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
507: BoostSeason_4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
508: TM4_4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
509: DismalStressor_4+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
510: Findley_4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
511: Strobilo_4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
512: Doughnut_4+1	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
513: ZeeJ_4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
514: Kesfu_7+1	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
515: TBond007_7	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
516: Neighly_6	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
517: Lea83_7+1	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
518: Pixie_7	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
519: TripleTrouble_6	99	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
520: Pharo_7	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
521: MachCheese_8	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
522: SamScheppers_7+1	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
523: MissDaisy_9+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
524: Mitti_9+4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
525: Maithus_9+4	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
526: Y2_09+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
527: Ruhnjei_8	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
528: Leb014_9	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
529: DanSy144_9+1	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
530: Juliette_9	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
531: Eponine_9	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
532: Bobquesha_9	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
533: AileyCat_6+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
534: Rand014_6	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
535: Edugator_5	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
536: Thyatira_6+5	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
537: LiliDir_5+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
538: Agent47_6+2	71	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
539: Gengar_6+6	71	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
540: Waterlour_6	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
541: Omnicron_6	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
542: Marshawn_9	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
543: Amohmion_7+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
544: Bryler_7+2	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
545: Syra333_7	71	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
546: Elife_5	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
547: Ngress9_7	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
548: Ekdmam_5	71	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
549: Sunflower1121_6+1	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028
550: Ximenita_8	100	161	161	214	240	288	302	315	330	388	428	503	548	579	586	670	732	786	804	810	825	904	969	1028

651: AppleCrisp_6	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
652: Yuna_8	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
653: TCM_7	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
654: Krueger_7	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
655: Terra_7	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
656: LavaHound_6 + 1	71	85, 108	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
657: November_6	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
658: Unicorn_7 + 1	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
659: SirPhimp_7	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
660: Amgine_6	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
661: Aminay_6	90	116	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
662: Boilgate_5	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
663: LeBron_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
664: OmsNagHennessy_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
665: Zaria_4 + 7	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
666: AppleTree2_4 + 4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
667: CicholasNage_4 + 4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
668: BoosGarage_4 + 12	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
669: DHan_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
670: Rumpelstiltskin_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
671: Verix_4 + 14	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
672: Bazzie_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
673: ZhongYanYuan_3 + 1	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
674: Lewan_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
675: Archie_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
676: Rossetti_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
677: Tourach_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
678: DanBing_3	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
679: GuuellaD_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
680: Zakai_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
681: Claus_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
682: MiniLon_5 + 1	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
683: Red305_5 + 9	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
684: Belis_5 + 3	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
685: LiyuLake_5	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
686: KirDoubleO7_3	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
687: Elison_5	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
688: MiniMac_5	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
689: Krypton555_5	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
690: BourbonZero_4	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
691: DuncansLeg_5	36	71	166	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
692: WhinWind_6	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
693: Quby_4 + 1	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
694: Sheng711_4 + 3	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
695: Kropentea_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
696: Chaser_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
697: DyoEdaios_5	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
698: ChutneyChips_3	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
699: FarmResident_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029
700: Bromden_4	71	166	162	215	268	262	315	300	361	361	415	438	458	500	548	576	593	670	691	713	766	768	825	869	969	1029

[illegible]

Pham 290652



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 290652 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290652 has 1582 members, 247 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_2
- Track 2 : Weirido19_2
- Track 3 : WST1_2
- Track 4 : IdentityCrisis_2
- Track 5 : Misaeng_5
- Track 6 : HunterDalle_2, Vulture_2
- Track 7 : GreenHearts_5
- Track 8 : Aledel_2, Eunoia_2, Riovina_2, OMalley_2
- Track 9 : ChewChew_2
- Track 10 : Savage2526_5
- Track 11 : Maria1952_2, Temper16_2, Herb_2, KingBob_2, Sergei_2
- Track 12 : DrRobert_2
- Track 13 : Huckleberry_2, HeadNerd_2
- Track 14 : Supakev_2, Pumancara_2
- Track 15 : DreamTeam_2, Preamble_2, Gisselle_2
- Track 16 : Greenhouse_5
- Track 17 : WonderBoy_2
- Track 18 : MamaPearl_2, EstebanJulior_2
- Track 19 : CristinaYang_2, Nancia_2, Lasagna_2, Bodacious_2, LilStuart_2
- Track 20 : Suppi_5, Wayne_5, Canowicakte_5
- Track 21 : BrotherBLo_5, Kälizoi_5
- Track 22 : Jumboset_5
- Track 23 : Riverdale_5, Beethoven_5
- Track 24 : PinkFriday_2
- Track 25 : Joann_5
- Track 26 : Vallejo_5
- Track 27 : Kittykat_2
- Track 28 : Nubia_5
- Track 29 : Huntingdon_5, RcigaStruga_5
- Track 30 : OurGirlNessie_2
- Track 31 : Bennie_2
- Track 32 : Albanese_5
- Track 33 : Potatoes_5, Cholula_5
- Track 34 : TattModd_5, Carpal_5, Korra_5, Zorro_5, Dino_5
- Track 35 : Lakshmi_5
- Track 36 : Makoto_2
- Track 37 : PartyCup_5

- Track 38 : Litotes_5
- Track 39 : Fluke_5
- Track 40 : Urla_2
- Track 41 : Scuttle_5
- Track 42 : MrGloopy_5
- Track 43 : Moki_2
- Track 44 : PitaDog_2
- Track 45 : BigMack_2
- Track 46 : AppleCider_5
- Track 47 : Christian_2
- Track 48 : Glenn_5, Wawa_5
- Track 49 : Immaculata_5
- Track 50 : Chridison_2
- Track 51 : Oxynfrius_5
- Track 52 : CallieOMalley_5
- Track 53 : MrBoss_5
- Track 54 : Pterodactyl_2
- Track 55 : AustinPowers_2
- Track 56 : Graynor_5
- Track 57 : Lennox_2
- Track 58 : Lucy_2
- Track 59 : MeganNoll_5, RAP15_5
- Track 60 : Daiboju_2
- Track 61 : Rozby_5
- Track 62 : TinoCrisci_4, Jessica_5, Copper_4, Courtney3_4, Moloch_4, TymAbreu_4, Hunnie_4, Ronnie_4, Stratus_4, Mariposa_4, Guntur_4, Sandman_4, LouisXIV_4, Chestnut_4, Maggie_4, Dewayne_4, CGermain_4, Azathoth_4, Massimo_4, Prospero_4, Inspire2_4, Arby_4
- Track 63 : Swenson_4, Laila_5, KylieMac_5, Elkhorn_4, Saphira_4, StewieGriff_4, Blair_4, Lore_4
- Track 64 : StrawberryLem_2, Kels_2
- Track 65 : Link_4, Sourignavong_5
- Track 66 : Taj14_4
- Track 67 : Vinye_4
- Track 68 : Decurro_4, Muttie_4, Yank_4
- Track 69 : Seume_4, Toulouse_3
- Track 70 : ElectricPheel_5
- Track 71 : FirePit_2, Ximeno_2, Eyoseyas_2
- Track 72 : SerialPhiller_2
- Track 73 : Arielagos_2
- Track 74 : Abidatro_3
- Track 75 : Chickaboom_2, WileyE_2
- Track 76 : Niblet_3, Chicken_3, Zixiang_3
- Track 77 : Pelletreau_4, Westrich_4, Gravel_4
- Track 78 : Orcanus_3
- Track 79 : Basilisk_3
- Track 80 : KendraB23_4
- Track 81 : Ruchi_3
- Track 82 : Eesa_3
- Track 83 : Brynnie_3
- Track 84 : Vulpecula_3
- Track 85 : TaylorSipht_3
- Track 86 : Toad24_4

- Track 87 : Shen_4, Amanises_4
- Track 88 : Jamun_3
- Track 89 : Galaxy_3
- Track 90 : Amelia_4, Bedetta_4, Pineda_4, Cote_4, Jerole_4
- Track 91 : Kepler_3
- Track 92 : Cygnet_3
- Track 93 : Polka_3
- Track 94 : Daob_4
- Track 95 : OtsoOtso_3
- Track 96 : Melons_4, Lunar_4
- Track 97 : Colusalem_3
- Track 98 : LittleTokyo_3
- Track 99 : Coral_3
- Track 100 : PhirstandPhine_4
- Track 101 : Kuleana_3
- Track 102 : Zhuangyuan_4
- Track 103 : Antrice_3
- Track 104 : Bibble12_4, HannahPhantana_4
- Track 105 : Amphitrite_2
- Track 106 : Leona_2, Azaz_2, Rattail_2
- Track 107 : Babushka_2
- Track 108 : Oppalora_2, AdoptaAdorbs_2, PhluffyCoco_2, AmiCi24_2, DanHam62_2, RedFox_2, Camara_2, Glotell_2
- Track 109 : Laphuphu24k_2
- Track 110 : KHumphrey_2
- Track 111 : HamCheese_2
- Track 112 : AlexMinion_2, StuartMinion_2
- Track 113 : Andrew_3
- Track 114 : Fingolfin_2
- Track 115 : Atlantica_2
- Track 116 : Juno112_2
- Track 117 : Renna12_3
- Track 118 : Atraxa_3, Sputnik_3
- Track 119 : MooKitty_3
- Track 120 : Adaia_3
- Track 121 : Raqqa_3
- Track 122 : AbbyDaisy_3
- Track 123 : Kubed_2
- Track 124 : MEAK_2
- Track 125 : P100.1_2
- Track 126 : P100A_2
- Track 127 : PA6_2
- Track 128 : Moyashi_2
- Track 129 : PAS50_2
- Track 130 : P9.1_2
- Track 131 : Procrass1_2
- Track 132 : P100D_2
- Track 133 : ATCC29399BT_2
- Track 134 : P105_2
- Track 135 : P14.4_2
- Track 136 : PHL111M01_02
- Track 137 : Solid_2
- Track 138 : P106M_2, P106C_2, P106L_2, P106I_2

- Track 139 : LilBandit_2
- Track 140 : SKKY_2
- Track 141 : Enoki_2
- Track 142 : P101A_2
- Track 143 : Ouroboros_2
- Track 144 : PHL060L00_02
- Track 145 : PHL010M04_02
- Track 146 : P1.1_2
- Track 147 : ATCC29399BC_2, P107C_2
- Track 148 : MrAK_2
- Track 149 : P108C_2
- Track 150 : PAD20_2
- Track 151 : P106A_2
- Track 152 : PHL037M02_02
- Track 153 : PHL113M01_02
- Track 154 : Wizzo_2
- Track 155 : Stormborn_2
- Track 156 : Aquarius_2
- Track 157 : Cota_2, Keiki_2
- Track 158 : Leviosa_2
- Track 159 : Supernova_2
- Track 160 : P104B_2
- Track 161 : PHL114L00_02
- Track 162 : PHL112N00_02
- Track 163 : QueenBey_2
- Track 164 : DrParker_2
- Track 165 : Attacne_2
- Track 166 : Enochoraptor_2
- Track 167 : Lauchelly_2
- Track 168 : Pirate_2
- Track 169 : BruceLethal_2
- Track 170 : PHL071N05_02
- Track 171 : P107A_2
- Track 172 : Rileysaurus_2
- Track 173 : P104A_2
- Track 174 : PHL067M10_02
- Track 175 : B3_3, Anatole_3, E1_3
- Track 176 : E6_3
- Track 177 : Doucette_3
- Track 178 : B22_3
- Track 179 : G4_3
- Track 180 : PFR2_02, PFR1_02
- Track 181 : Morrissey_2
- Track 182 : Puppies_2, Widow_2
- Track 183 : Mahdia_2
- Track 184 : Applejacks_2
- Track 185 : Gustav_2
- Track 186 : Trine_2
- Track 187 : Upyo_2
- Track 188 : Jflix2_8, SFuller_9
- Track 189 : RegnumDei_6
- Track 190 : CurlyFries_9
- Track 191 : Madraxi_10

- Track 192 : Shagrat_8
- Track 193 : REQ1_66
- Track 194 : TinaLin_10, Banquo_11
- Track 195 : Huffy_9, DinoDaryn_9
- Track 196 : Goib_8, Splinter_7, Vendetta_7
- Track 197 : TZGordon_9
- Track 198 : Gspu1_5
- Track 199 : Dardanus_9
- Track 200 : Schmidt_5
- Track 201 : Catfish_6
- Track 202 : Malachai_2, Begonia_2
- Track 203 : CheeseSpider_2
- Track 204 : Frokostdame_2
- Track 205 : Jalammah_2, Samba_2, Lysidious_2
- Track 206 : Blueberry_2, MissRona_2, Azula_2, Gambino_2
- Track 207 : CaptainKirk2_2, Barco_2, Zarbodnamra_2, Archis_2, MintFen_2, Melba_2, Delian_2
- Track 208 : Walrus_2
- Track 209 : Wocket_2
- Track 210 : Zilla_2
- Track 211 : UmaThurman_2
- Track 212 : CarolAnn_2
- Track 213 : PhrostedPhlake_2
- Track 214 : Fairfaxidum_2
- Track 215 : Wisp_2
- Track 216 : Pipp_2
- Track 217 : Hitter_2, BlingBling_2
- Track 218 : KappaFarmDelta_2
- Track 219 : ZiggyZoo_2
- Track 220 : PrincePatrick_2
- Track 221 : Murp_2
- Track 222 : Obliviate_2
- Track 223 : William_2
- Track 224 : Toast_2, PCoral7_2
- Track 225 : Utz_2
- Track 226 : Petra_2
- Track 227 : Blino_2
- Track 228 : Guacamole_2, JasperJr_2
- Track 229 : Fenry_2
- Track 230 : JuJu_2
- Track 231 : Mellie_2
- Track 232 : McGonagall_2, Jeanie_2
- Track 233 : Rahul_2
- Track 234 : GRU3_2
- Track 235 : Coeur_2
- Track 236 : GMA5_2
- Track 237 : Schiebs_2
- Track 238 : Lton_2
- Track 239 : Ohgeesy_2
- Track 240 : EdnaMode_2, Lamberg_2, Nettuno_2, Pickett_2
- Track 241 : Cynthia_2, Clap_2, Sproutie_2, TuertoX_2, Ebert_2, Mocha12_2, Savage_2, GemG_2, Whiteclaw_2, Gizermo_2, Haley23_2
- Track 242 : JCole_2

- Track 243 : Sahara_2
- Track 244 : Attis_2, Yeet412_2, Bjanes7_2, SoilAssassin_2, LordFarquaad_2
- Track 245 : Matteo_2
- Track 246 : Jalleen_2
- Track 247 : Vasanti_2
- Track 248 : FroggyToad_2
- Track 249 : PantheRoc_2
- Track 250 : BaxterFox_2
- Track 251 : Yeezy_2
- Track 252 : Twinkle_2, Adora_2, Hortense_2, Howe_2, Shlim410_2
- Track 253 : Powerball_2
- Track 254 : Samman98_3
- Track 255 : Annalisa_3
- Track 256 : Dolores_3, WinkNick_3
- Track 257 : PhriskyACE_2
- Track 258 : Beenie_3, MichaelScott_3, Easley_3, Clark_3
- Track 259 : DobbysSock_2
- Track 260 : Oregano_2
- Track 261 : Tuti_4
- Track 262 : Thimann_3
- Track 263 : Sekhmet_3
- Track 264 : Suerte_2
- Track 265 : Invectra_3
- Track 266 : Dorito_2
- Track 267 : Denise_2
- Track 268 : Moosehead_2
- Track 269 : Faith5x5_2
- Track 270 : OneDirection_2
- Track 271 : Sidious_2
- Track 272 : Ghobes_1
- Track 273 : Frizzle_1
- Track 274 : Sapo_1
- Track 275 : Archimedes_1
- Track 276 : Doggs_2
- Track 277 : DirtyBoi_2
- Track 278 : ZAYM_2, TaronosaurusRx_2
- Track 279 : MagicMan_2, Schnabeltier_2
- Track 280 : Kiko_2
- Track 281 : Coriander_2
- Track 282 : Hedwig_2
- Track 283 : BackstagePass_2
- Track 284 : Opie_2
- Track 285 : RayTheFireFly_2
- Track 286 : Moonflower_2
- Track 287 : Bunker_2
- Track 288 : Bowser_2
- Track 289 : BBQValindra_2
- Track 290 : GEazy_2, HannahD_2
- Track 291 : Dmitri_2
- Track 292 : Eyes_2
- Track 293 : Lucky10_2
- Track 294 : Morkie_2, PhorbesPhlower_2
- Track 295 : Bock_6

- Track 296 : Pimento_6
- Track 297 : NancyRae_6, Ayotoya_6
- Track 298 : Brylie_6, Mulch_6, Nadeem_6, Parada_6, WheatThin_6
- Track 299 : GrandSlam_6, Chop_6, Hamood_6
- Track 300 : Francois_6
- Track 301 : BetterKatz_6
- Track 302 : DelRio_6
- Track 303 : Emperor_2
- Track 304 : SallySpecial_2
- Track 305 : EpicDab_2
- Track 306 : Dirtfootball_2
- Track 307 : BotCity_3
- Track 308 : Ecliptus_3
- Track 309 : Malisha_3
- Track 310 : LitninMcQueen_3, CheeseTouch_3, Budski_3, ODay_3, Kamaru_3, Holliday_3, Phabuloso_3
- Track 311 : BENtherdunthat_3, Asapag_3
- Track 312 : Periwinkle_3, Horus_3, Kenna_3, Lutum_3
- Track 313 : Phistory_3
- Track 314 : Whitney_3, Getalong_3
- Track 315 : Leroy_3
- Track 316 : ShawBrad_3
- Track 317 : Frickyeh_3
- Track 318 : Spooky_3
- Track 319 : Squiddly_4
- Track 320 : Ziko_37, Ronaldo_37, Volt_36
- Track 321 : Guey18_39
- Track 322 : Keelan_32
- Track 323 : Fryberger_34
- Track 324 : Kudfre_12
- Track 325 : Sephiroth_13, Syleon_13
- Track 326 : Octobien14_13
- Track 327 : Trax_12, LilJank_12
- Track 328 : Neville_12
- Track 329 : Rabbitrun_14
- Track 330 : Zodiariah_2
- Track 331 : MakCheese_2
- Track 332 : Ruthy_2
- Track 333 : ArchiDore_2
- Track 334 : Malibo_2
- Track 335 : SprinkleMunch_2
- Track 336 : DumpsterDude_2
- Track 337 : Tarzan_2
- Track 338 : Jojo24_2
- Track 339 : Reyja_3
- Track 340 : DonkeyMan_2
- Track 341 : Hibiscus_2
- Track 342 : Heinz_2
- Track 343 : Santhid_2
- Track 344 : BAjuniper_3
- Track 345 : SansAfet_3, BubbaBear_3, PhigPhack_3, CroZenni_3, Albedo_3, SirBeanington_3, Lynlen_3, Kenzers_3
- Track 346 : Coltrane_2, Rollins_2, Skylord_2, Brahms_2, Bernstein_2

- Track 347 : BabyDaisy_4, IndyLu_3, Kate33_3
- Track 348 : SanaSana_4
- Track 349 : Jabb_3, TukTuk_3, MsUbiquitous_3, CupcakePrincess_3, SarBear_3, Swervy_3
- Track 350 : Eula_3, Pecas_3, Jovita_3
- Track 351 : Softsoap_3
- Track 352 : Shayna_2
- Track 353 : AylexOG_4
- Track 354 : Armstrong_2, Clayda5_2, Vitas_2
- Track 355 : Katzastrophic_3
- Track 356 : Quenya_4
- Track 357 : Doobus_3, LimaBean_3, Albright_3, Avocadoman_3, Burritobowl_3, Bengal_3, Abigail_3
- Track 358 : FinalFrontier_4
- Track 359 : Buldak_3
- Track 360 : DirtyBubble_3, Stoor_3, Stromboli_3
- Track 361 : Johnathan_3
- Track 362 : AvGardian_3
- Track 363 : Eden_2
- Track 364 : PastaFagioli_3, Lahqtemish_3
- Track 365 : BabyYoda_3
- Track 366 : Loviatar_3
- Track 367 : QMacho_4, Arroyo_4
- Track 368 : Icarian_4
- Track 369 : Slay_3
- Track 370 : Bachaco_3, FlameThrower_3
- Track 371 : Celaena_3
- Track 372 : Phisb_3
- Track 373 : Olliecat_3, Squircle_3
- Track 374 : Rona_3, Sharkboy_3
- Track 375 : BelmontSKP_4, AnnaLie_4
- Track 376 : Nicky22_4
- Track 377 : Franklin22_2
- Track 378 : Milomuff_4, Solea_4
- Track 379 : DickRichards_3
- Track 380 : Kamdara_3
- Track 381 : SunnyD_2, Teagster_2
- Track 382 : Elva_4
- Track 383 : WalkingDead_3
- Track 384 : Akino08_3
- Track 385 : Kieran_3
- Track 386 : Didgeridoo_4
- Track 387 : Cashington_3
- Track 388 : Lilo27_3
- Track 389 : ChiliPepper_3
- Track 390 : PondAmelia_5
- Track 391 : Dismas_3
- Track 392 : Gack_2
- Track 393 : CliffHanger_4
- Track 394 : Sachet_3
- Track 395 : Vanisius_3, TimoTea_3, JaimeB_3, Astro16_3, Eightball_3, Gardevoir_3, Marichuy_3, Sara_3, Picconator_3, Danimal_3, Burgy_3, SantasSleigh_3, Pondwater_3, YertPhresh_3, Chatham_3, Kojax4_3, Horacetta_3,

Maneater_3, BinkBonk_3, Octopus_3, EdElric_3, Slentz_3, KyriosFaba_3, Danno_3, Rhysand_3, Alucard_3, Minima_3, Jahseh_3, Goulash_3, GoldenBlanche_3, Otwor_3, Myram_3, NeumannU_3, PaoPu_3, Jella_3, Godfather_3, Scrunchy_3, Aries55_3, Majesty_3, LaviMo_3, Goobery_3, Aztec_3, Gillker_3, DaftyDuck_3, Charbie_3, Sage7_3, Cheesecake_3, Avvas_3, Owens_3, Dooby_3, Jannah_3, Josuke_3, HeadMave_3, Luxx_3, Erin_3, DirtPie_3, LionelHutz_3, BurtonThePup_3, SeaWolves_3, Dongwon_3, TeddyBoy_3, Rhogar_3, Tyrellus_3, Grayscar_3, LemonPepper_3, Scamander_3, ManAs_3, RoscoWindex_3, MasterPitts_3, Zahlia_3, Yubaba_3, JoBros_3, Ciel_3, Witch_3, BarBear_3

- Track 396 : Belthelas_3, Concrete_3
- Track 397 : Noelani_3, Nobel_3, Slizam_3, Ekko14_3, Bintii_3, TomBrady12_3, Stem_3, TinyTruffula_3, Trackstar_3, Elspeth_3, Lunatic_3, PuffyCat_3, HarperAnne_3, Niffler_3, Miaurora_3, JooneeDee_3, Bullzi2019_3, Clownery_3, Rira_3, Trireme_3, IzzyPants24_3
- Track 398 : Hulk_3
- Track 399 : Wolfpack_3, MelBee03_3, Livingwater_3, Sippinontea_3, Kevanna_3, KayPaulus_3, Quaker_3, Douggie_3, Bodhi17_3
- Track 400 : McShie_3, Leafy_3, BrokMonster_3, BoomRoasted_3, MrGreen_3, JRok_3
- Track 401 : Naby_3, BonaeVitae_3
- Track 402 : MirimarMandM_3, PoRanda_3, Upsilon_3
- Track 403 : Biscayne_3
- Track 404 : Cayde6_3, Lola20_3, Baine_3, Yasuo_3
- Track 405 : ELee24_3
- Track 406 : Mauilvory_3
- Track 407 : Azizam_3, Oaklynn_3
- Track 408 : Loca_3
- Track 409 : KillerTomato_3
- Track 410 : Namsahir_3, Publix_3
- Track 411 : Anseraureola_3
- Track 412 : Efeko_4
- Track 413 : Madebyisha_3, OdetoJoy_3, Jerky_3, VitulaEligans_3
- Track 414 : Bri160_3
- Track 415 : Kaijohn_3
- Track 416 : Bradley2_3
- Track 417 : Picnic_3, Puddles3_3
- Track 418 : Yami_3, Cazares_3
- Track 419 : Snuffles_4
- Track 420 : Hernandez44_3, Gabbspett_3
- Track 421 : Lederberg_2, Troy_2, SamW_2
- Track 422 : StAB_2
- Track 423 : Adelaide_2
- Track 424 : Dina_2
- Track 425 : Bran_2
- Track 426 : Stiles_2
- Track 427 : Flashwig_2
- Track 428 : CarefulCloud_2
- Track 429 : TailX7_2
- Track 430 : HorseRider_2
- Track 431 : Jalloh_2
- Track 432 : CyranoPS_2
- Track 433 : Spartan_2
- Track 434 : Gallop_2

- Track 435 : Doomslug_3
- Track 436 : LordVader_3
- Track 437 : Spikelee_3, Peridot_3, DosHalletts_3, Starceвич_3, Ramsey_3, Emmaloid_3, Totinger_3, Rialto_3, JalFarm20_3, Slim_3, Tootsieroll_3, Alexphander_3, Bobi_3, Stap_3
- Track 438 : Kingsley_3, Cerasum_3, Sarma624_3, Brookers_3, Enby_3, BigPhil_3, Lorde_3, Velveteen_3, Coco12_3
- Track 439 : Hegedechwinu_3, Kimberlium_3, Brushbloom_3, Flathead_3, Plumbus_3, MulchExplorer_3
- Track 440 : DocMcStuffins_3, ChickenDinner_3, Misha28_3, TootsiePop_3, Piper2020_3, Aloeri_3
- Track 441 : Frankie_3, Squirty_3
- Track 442 : Beanstalk_3, DaWorst_3, RockyHorror_3, Madiba_3, Leozinho_3, BuzzLyseyear_3
- Track 443 : Beakin_3
- Track 444 : Mozy_3
- Track 445 : Job42_3
- Track 446 : Tchotchke_3
- Track 447 : UncleRicky_3, Drago_3, Lucia_3
- Track 448 : OwlsT2W_3
- Track 449 : Juice456_3
- Track 450 : Cornucopia_3
- Track 451 : SimranZ1_3, Pollywog_3
- Track 452 : Ogopogo_4
- Track 453 : Oksu_3
- Track 454 : Seagreen_3
- Track 455 : DirtMcgirt_3
- Track 456 : Mova_3
- Track 457 : Quico_3, Girafales_3
- Track 458 : Marker_3
- Track 459 : Boomer_3, LittleShirley_3
- Track 460 : Awesomesauce_3
- Track 461 : Soul22_3
- Track 462 : Avani_3, Yoshi_3, SilverChicken_3
- Track 463 : Jabbawokkie_4, Zapner_4, Blarby_4
- Track 464 : Demsculpinboyz_3
- Track 465 : Che9d_3
- Track 466 : Shoya_2, Rooter_3
- Track 467 : Gibbzilla_2
- Track 468 : JeanClaude_2
- Track 469 : BrayBeast_2
- Track 470 : MargaretKali_3
- Track 471 : Alatato_2
- Track 472 : Kumotta_3
- Track 473 : Sarge_2
- Track 474 : Pigu_3
- Track 475 : Whytu_1
- Track 476 : Utopia_1
- Track 477 : LauKoruNamu_3, CabbageMan_2, Pauu_3
- Track 478 : Idaho_3
- Track 479 : CheeseDanish_4, Corgi_4, Nebulanyx_4
- Track 480 : KNG13_4
- Track 481 : Noely_2

- Track 482 : Berka_4
- Track 483 : BlueFeather_1
- Track 484 : Yavru_1
- Track 485 : WorldChangers_1
- Track 486 : Piku_1
- Track 487 : Donatella_5
- Track 488 : Nandita_6, Guinevere_6
- Track 489 : Schism_6
- Track 490 : Julie_6
- Track 491 : Yonex_6
- Track 492 : Halloweekend_4
- Track 493 : ToastyOats_7
- Track 494 : Popper_4
- Track 495 : Lenoxika_6
- Track 496 : DirtDigger_5
- Track 497 : Cole_4
- Track 498 : AllBusiness_5
- Track 499 : Elesar_5
- Track 500 : Kihatsu_7
- Track 501 : Ryan_6
- Track 502 : QuinnAvery_6
- Track 503 : Gusanita_4
- Track 504 : IsHungry_6
- Track 505 : MillySue_6
- Track 506 : GoodLuckBabe_6
- Track 507 : BigSherm_5
- Track 508 : Ichiang_4
- Track 509 : Zaheer_6
- Track 510 : Toodles_6
- Track 511 : Bauer_4, Zucker_3
- Track 512 : BlackSpider_2
- Track 513 : BellaJr_4
- Track 514 : Cassini_2
- Track 515 : Maja_2
- Track 516 : EvenBluerMoon_3, Hereford_6, PrairieDogTown_3, Aoka_3
- Track 517 : CocoCinnamon_5
- Track 518 : JanetJ_3
- Track 519 : CallinAllBarbz_2
- Track 520 : BaileyBlu_2
- Track 521 : Jankie_2, GrimEater_2
- Track 522 : Elfy_2
- Track 523 : Merpity_3
- Track 524 : MrSmee_2, Skitty_2
- Track 525 : Pitbull_2
- Track 526 : TripleC_7
- Track 527 : Audell_7
- Track 528 : Neuville_4, AnnabelLee_4, ChamoyPickle_4, Gerri43_4, ChipsNGuac_4, CardboardBox_4, Roberts_4
- Track 529 : Mireles_4
- Track 530 : Makima_5
- Track 531 : Ezurina_3
- Track 532 : TMaxx_4
- Track 533 : LastNadiia_7

- Track 534 : Agamotto_6
- Track 535 : Studio_4
- Track 536 : Altostratus_2
- Track 537 : Khuang_2
- Track 538 : BruceB_2, Phish_2, Jonghyun_2, Hope_2, Renaissance_2, Crespo_2, Barkley26_2, Neoh_2, Periodt_2, Jolene_2, Avrafan_2, Kareem_2, Rabbs_2, Angel_2, ECartman_2, Jane_2, AizenPogi_2, OctaviousRex_2, BPs_2, BQuat_2, Phreak_2, Aroostook_2, Ruriko_2, JorRay_2, Hotshotbaby7_2, DingDing_2, Cherrybomb426_2, Gomashi_2, Phloodle_2, Jeilious_2, Cedasite_2, Halo_2, Olga_2, Richarlison_2, LouisV14_2, MZKinsey_2, Sneeze_2, Coleslaw_2, Maliketh_2, AzulaCat_2, Kasen3_2, Wendigo_2, GoldenAsh_2, ZoMa_2, CassieYates_2, Annihilator_2, Chance64_2
- Track 539 : Marmie_2, Remy19_2, Darionha_2, Schiebel_2, DMoney_2, TinaBug_2, CLED96_2, Mowgli_2, PinkYoshi_2, Sizemore_2, Frosty24_2, Rattrick_2, Camri_2, Zombie_2, Plagueis_2, Gideon_2
- Track 540 : Liefie_2
- Track 541 : Sweets_2, TomBrady_2, ShaboiShabazz_2
- Track 542 : DNAll_002
- Track 543 : Grizzly_2
- Track 544 : Peeb_2
- Track 545 : Paito_2
- Track 546 : Terror_2, Taheera_2
- Track 547 : Pace1224_2, FlagStaff_2
- Track 548 : GodSpeed_2
- Track 549 : Cambiare_3
- Track 550 : Avocado_2
- Track 551 : Cloudyecho_2
- Track 552 : Pinnie_3
- Track 553 : MOOREtheMARYer_2
- Track 554 : Mercurio_3
- Track 555 : Lemuria_2
- Track 556 : Jolie2_2
- Track 557 : YangYin_2
- Track 558 : Stargaze_2
- Track 559 : Antsirabe_2
- Track 560 : BigBoyz_1
- Track 561 : MoRicky_2, Smilerella_2
- Track 562 : Stuck_2
- Track 563 : Sbash_2
- Track 564 : Che9c_2
- Track 565 : Rearden_7
- Track 566 : Shaboozey_6, BronnyJames_6
- Track 567 : Squint_10, MiaZeal_10, Porcelain_10
- Track 568 : Nekros_8
- Track 569 : Gonephishing_10
- Track 570 : Ariel_9
- Track 571 : Courthouse_10, Superphikiman_10
- Track 572 : Bobby_11
- Track 573 : Lucky2013_10
- Track 574 : Klein_10, Wanda_10
- Track 575 : Nibley_6
- Track 576 : KashFlow_4
- Track 577 : Hannaconda_7

- Track 578 : Root_4
- Track 579 : Durfee_8, Clipper_8, MacKat_8, Jarvi_8, Lunahalos_8, BEEST_8, Zavala_8, Atiba_8, Boiii_8, CheetoDust_8, Blizzard_8, LindNT_8, QuincyRose_7, Peel_8, Tachez_8, Asayake_8, MeaningOfLife_8, Emerson_8, Topper_8, Prithvi_8, BGlluvia_8, Inky_8, Rosmarinus_8, Ganymede_8, Dalmuri_8, Belladonna_8, AlishaPH_8, Hyperbowlee_8, Padpat_8, Padfoot_8, Pokerus_7, Llorens_8, Jeckyll_8, Megsy_8, TreyKay_8, Twitch_8, Veliki_8, Spock_8, ShiaSurprise_8, Tiri_8, CrimD_8, CREW_8, Capricorn_8, Piatt_8, Adonis_8, Homura_8, CaseJules_8
- Track 580 : McMat_8, Shaobing_8, Niklas_8, Richo_8, Peanam_8, Dartin_8
- Track 581 : Pisa1_7, Pisa4_7, Bern_8, TaiwanKao_8
- Track 582 : Enkosi_4, SgtBeansprout_4, Nikao_4, Trice_4, Amelie_4, Teejan_4, Torres_4, Nutello_4, Mdavu_4, LilPharaoh_4, Binglebops_4
- Track 583 : Chris_7
- Track 584 : Geraldini_8, Beezoo_8
- Track 585 : TruffulaTree_8, Joy99_8, Slimphazie_8, Ramen_8, HedwigODU_8, JAWS_8, Rapunzel97_8, YoureAdopted_7, BaghaKamala_8, Adephagia_8, Zabiza_8, CallaLilly_8, Jayhawk_8, ActinUp_8, BarrelRoll_8
- Track 586 : DrHayes_8, Anma_8, SamuelLPlaqson_8, Urkel_8, TiniBug_8
- Track 587 : Mynx_8, Apocalypse_8
- Track 588 : Dole_8, Devera_8, Illumine_8
- Track 589 : Oscar_7, LeMond_7, Scarlett_7
- Track 590 : Murucutumbu_8
- Track 591 : LastHope_8
- Track 592 : Guanica15_8
- Track 593 : Deby_8, Sulley_8, Angelica_8
- Track 594 : Anaya_9
- Track 595 : MarkPhew_7
- Track 596 : Bella96_8, DartGoblin_8
- Track 597 : Nibb_7
- Track 598 : Chavito_8
- Track 599 : KiSi_7
- Track 600 : Efra2_8
- Track 601 : Curiosium_9
- Track 602 : Validus_8
- Track 603 : TingHuaYa_8
- Track 604 : LaterM_8, Ageofdapage_8, Stinson_8
- Track 605 : Yunkel11_8
- Track 606 : Milly_4
- Track 607 : BoostSeason_4
- Track 608 : TM4_4
- Track 609 : DismalStressor_4, DismalFunk_4, Marcoliusprime_4
- Track 610 : Findley_4
- Track 611 : Strobilo_4
- Track 612 : Doughnut_4, Mufasa_4
- Track 613 : ZoeJ_4
- Track 614 : Keshu_7, Hurricane_7
- Track 615 : TBond007_7
- Track 616 : Neighly_6
- Track 617 : Lea83_7, ShedlockHolmes_7
- Track 618 : Pixie_7
- Track 619 : TribleTrouble_6
- Track 620 : Pharb_7
- Track 621 : MacnCheese_8

- Track 622 : SamScheppers_7, Qhanda_9
- Track 623 : MissDaisy_9, Patt_9, Reptar3000_9
- Track 624 : Mitti_9, Taquito_7, Chancellor_9, Cheetobro_9, Slarp_9
- Track 625 : Malthus_9, Wintermute_9, Kraw_9, Fionnbharth_9, JF1_9
- Track 626 : Y2_09, YasnayaPolyana_9, Y10_09
- Track 627 : Ruthiejr_8
- Track 628 : Lebo14_9
- Track 629 : DanSyl44_9, OmniCritical_9
- Track 630 : Juliette_9
- Track 631 : Eponine_9
- Track 632 : Bobquesha_9
- Track 633 : AlleyCat_6, Psycho_6, Dadosky_6
- Track 634 : Rando14_6
- Track 635 : Edugator_5
- Track 636 : Thyatira_6, Miryou_6, Collard_6, Feyre_6, DoubleChamp_6, BananenDer11_6
- Track 637 : LilDirt_5, Larva_6, ViviJ_5
- Track 638 : Agent47_6, InvictusManeo_6, Kratio_5
- Track 639 : Gengar_6, OkiRoe_6, Guillsminger_6, SoSeph_6, Heftyboy_6, Leston_6, Paola_6
- Track 640 : Waterfoul_6
- Track 641 : Omnicron_6
- Track 642 : Marshawn_9
- Track 643 : Amohnition_7, Hammy_7, DARTH_P_7
- Track 644 : Bryler_7, Cain_7, Phrank_7
- Track 645 : Syra333_7
- Track 646 : Ellie_5
- Track 647 : Tigress9_7
- Track 648 : Ekdilam_5
- Track 649 : Sunflower1121_6, Shadow1_6
- Track 650 : Ximenita_8
- Track 651 : Applecrisp_6
- Track 652 : Yuna_8
- Track 653 : TClif_7
- Track 654 : Krueger_7
- Track 655 : Tierra_7
- Track 656 : Lavahound_6, Fefferhead_7
- Track 657 : November_6
- Track 658 : Unicorn_7, PhelpsODU_7
- Track 659 : SirPhilip_7
- Track 660 : Amgine_6
- Track 661 : Aminay_6
- Track 662 : Boilgate_5
- Track 663 : LeBron_4
- Track 664 : OhShagHennessy_4
- Track 665 : Zaria_4, AvadaKedavra_4, Wamburggrxpress_4, Silverleaf_4, Wyatt2_4, Acquire49_4, Tyson_4, Rose5_4
- Track 666 : Appletree2_4, DirkDirk_4, Halena_4, MAckerman_4, Enceladus_4
- Track 667 : CicholasNage_4, JoeDirt_4, Calm_4, UPIE_4, Poochiewood_4
- Track 668 : BobsGarage_4, Miley16_4, Gabriela_4, LilDestine_4, Winky_4, Breezona_4, BigCheese_4, SoJulia_4, Faith1_4, Itos_4, Netyap_4, DrSeegs_4, Lynnae_4
- Track 669 : DHan_4

- Track 670 : Rumpelstiltskin_4
- Track 671 : Vetrix_4, OverPar_4, Sarshaun_4, Loadrie_4, MkaliMitinis3_4, Soap141_4, Finemlucis_4, Wigglewiggle_4, Nicholasp3_4, Underpass_4, Gardann_4, Kahlid_4, Wilder_4, Hafay_4, Crossroads_4
- Track 672 : Bazzle_4
- Track 673 : ZhongYanYuan_3, Baoshan_3
- Track 674 : Lewan_4
- Track 675 : Archie_4
- Track 676 : Rossetti_4
- Track 677 : Tourach_4
- Track 678 : DanBing_3
- Track 679 : GuuelaD_4
- Track 680 : Zakai_4
- Track 681 : Claus_4
- Track 682 : MiniLon_5, Lolly9_5
- Track 683 : Red305_5, Jobypre_5, Jubie_5, MsGreen_5, Nicholas_5, TriFive_5, Kingsolomon_5, Snenia_5, Clautastrophe_5, Lumos_5
- Track 684 : Bellis_5, Moostard_5, Samty_5, Finnry_5
- Track 685 : LiyuLake_5
- Track 686 : KirDoubleO7_3
- Track 687 : Ellson_5
- Track 688 : MiniMac_5
- Track 689 : Krypton555_5
- Track 690 : BourbonZero_4
- Track 691 : DuncansLeg_5
- Track 692 : Whirlwind_6
- Track 693 : Quby_4, Douge_4
- Track 694 : Sheng711_4, BrainDrainer_4, Douzhi_4, PYPDinur_4
- Track 695 : Kropertea_4
- Track 696 : Chaser_4
- Track 697 : DyoEdafos_5
- Track 698 : ChutneyChips_3
- Track 699 : FarmResident_4
- Track 700 : Bromden_4
- Track 701 : RoseMarie_14
- Track 702 : Reindeer_12
- Track 703 : PegLeg_14, Auspice_14, Dulcita_15, Diminimus_15, Glaske16_15, TyDawg_14, FreakyGoo_15, TpudiCK_15, LilhomieP_13, Izel_15, IPhone7_14, Bongo_14
- Track 704 : Bricole_14, KleverKiS_14, SlimJimmy_13, Skinny_15
- Track 705 : Aziz_18, GenevaB15_18
- Track 706 : MrMagoo_18, GardenSalsa_18
- Track 707 : Rey_18
- Track 708 : Estes_19
- Track 709 : Nanosmite_18
- Track 710 : Andies_2, Pipsqueaks_2, Tortoise12_2, Xeno_2, Philonius_2, Fulbright_2, Parmesanjohn_2, Cubone_1, Bosection6_2, Schnauzer_2, EGUnicorn_2, Xerxes_2, Silvafighter_2, Chewbacca_2, Aggie_2
- Track 711 : Raymond7_2, Phrann_2, Impisi_2
- Track 712 : Panchino_2, SkinnyPete_2
- Track 713 : Melville_2, Tapioca_2, Duplicity_2, Tessdabest_1, Phloss_2, Magsby_2, Gex_2, Journey_2, Carcharodon_2, Scitech_2, Silvy_2, Charlie_2, Smurph_2
- Track 714 : PhancyPhin_2, Jamie19_2, Nенаe_2, Rebel_2, SpongeBob_2

- Track 715 : Butters_2
- Track 716 : BabeRuth_2
- Track 717 : Hanako_2, Spinach_2, Snekmaggon_2, Redi_2, ShrimpFriedEgg_2, Purgamenstris_2
- Track 718 : MichelleMyBell_2
- Track 719 : Shweta_2
- Track 720 : Rubeelu_2
- Track 721 : Kevin1_2
- Track 722 : Bora_28, MadKillah_32, Firecracker_31
- Track 723 : Ashwin_32, Dylan_30
- Track 724 : Zebo_30, Blessica_31, Schuy_32, Murai_31, YungJamal_33, Vorrrps_30, Corndog_32, Catdawg_30, FoulBall_30
- Track 725 : Familton_31, KingPhillip3_28, SchoolBus_30, NiebruSaylor_30, Imara_29, TelAviv_28, JangDynasty_30, Mori_30, Ryadel_33, Smooch_33, Krili_30, Idergollasper_30, Vagabond_31, Winget_31
- Track 726 : Shida_31
- Track 727 : Wogge42_30, Alkhayr_31, YoyoKar_29, Wildflower_31
- Track 728 : Zakhe101_31
- Track 729 : Pygmy_2, Shipwreck_2, Bogie_2
- Track 730 : KilKor_2, Phalm_2, Megiddo_2, StevieRay_2, Ksquared_2, StressBall_2, CactusJack_2, Polkaroo_2, Gavriela_2, Bunnies_2, Glaske_2
- Track 731 : Langerak_2
- Track 732 : Mangethe_2, Majeke_2, Arib1_2, Phegasus_2
- Track 733 : Sonah_2, Donovan_2, Juniormint_2
- Track 734 : Brusacoram_2, Atcoo_2, Thespis_2
- Track 735 : Willsammy_2
- Track 736 : GreaseLightnin_2, Zilizebeth_2, Malithi_2, Fishburne_2, Necropolis_2, Etoile_2, Vidya_2, Camster_2, Phineas_2, Bartholomew_2, Kari_2, Dynamo_2, Chubbello_2, FirstPlacePfu_2, Venti_2
- Track 737 : BronnyJr_2, Techage_2, GaloreK_2, HUHilltop_2
- Track 738 : Jebeks_2
- Track 739 : Bhagsy_2, PeanutPie_2
- Track 740 : Jung_2
- Track 741 : Tortellini_2
- Track 742 : Xavia_2
- Track 743 : BigNuz_2, Nazo_2
- Track 744 : ThulaThula_2
- Track 745 : Phayonce_2
- Track 746 : Purky_2
- Track 747 : Wishmaker_5, Hail_5, Ein37_5, Luna22_5, Dewey_5, HH92_5, Gravaillia_5, Forge_5, DeepSoil15_5, LilHazelnut_5, Webster2_5, Daegal_6, Amymech_5, Gancho_4, OBUpride_5, Ubuntu_5, BloominB_5, Giles_5, Kinbote_5, Amochick_5
- Track 748 : Evanesce_5, Luke_5, Hadrien_5
- Track 749 : NovoPizza_3
- Track 750 : Penoan_4
- Track 751 : MaryV_26, EniyanLRS_23, Wildcat_26, Azrael100_25
- Track 752 : Cosmo_26
- Track 753 : Hilltopfarm_9
- Track 754 : Typha_9, Faiyaz_9, AuntGwenStacy_9
- Track 755 : Bipper_9
- Track 756 : Cracklewink_9
- Track 757 : Rem711_3

- Track 758 : 32HC_3
- Track 759 : Min1_37
- Track 760 : RRH1_02
- Track 761 : Barebow_2
- Track 762 : Spartoi_2
- Track 763 : MooMoo_2
- Track 764 : BFK20_ORF2
- Track 765 : PensacolaC28_1
- Track 766 : Eyre_2
- Track 767 : Finkle_2
- Track 768 : Whack_2
- Track 769 : Sleepyhead_2
- Track 770 : REQ2_02
- Track 771 : P3MA_3
- Track 772 : Kumao_13
- Track 773 : Mbo4_2
- Track 774 : Ball_2
- Track 775 : ArV2_02
- Track 776 : LilSpotty_2
- Track 777 : EmiRose_2

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

The start number called the most often in the published annotations is 162, it was called in 165 of the 1335 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• ActinUp_8, Adephagia_8, Adonis_8, Ageofdapage_8, AlishaPH_8, Amelie_4, Amgine_6, Aminay_6, Amohnition_7, Anaya_9, Angelica_8, Anma_8, Apocalypse_8, Applecrisp_6, Asayake_8, Atiba_8, BEEST_8, BGlluviae_8, BaghaKamala_8, BarrelRoll_8, Beezoo_8, Bella96_8, Belladonna_8, Bern_8, Biglebops_4, Blizzard_8, Boiiii_8, Boilgate_5, BoostSeason_4, Bryler_7, CREW_8, Cain_7, CallaLilly_8, Capricorn_8, CaseJules_8, Chancellor_9, Chavito_8, CheetoDust_8, Cheetobro_9, Chris_7, Clipper_8, CrimD_8, Curiosium_9, Dalmuri_8, DartGoblin_8, DarthP_7, Dartin_8, Deby_8, Devera_8, DismalFunk_4, DismalStressor_4, Dole_8, Doughnut_4, DrHayes_8, Durfee_8, Efra2_8, Ekdilam_5, Ellie_5, Emerson_8, Enkosi_4, Eponine_9, Fefferhead_7, Findley_4, Fionnbharth_9, Ganymede_8, Geraldini_8, Guanica15_8, Hammy_7, HedwigODU_8, Homura_8, Hurricane_7, Hyperbowlee_8, Illumine_8, Inky_8, JAWS_8, JF1_9, Jarvi_8, Jayhawk_8, Jeckyll_8, Joy99_8, Keshu_7, KiSi_7, Kraw_9, Krueger_7, LastHope_8, LaterM_8, Lavahound_6, LeMond_7, Lea83_7, Lebo14_9, LilPharaoh_4, LindNT_8, Llorens_8, Lunahalos_8, MacKat_8, MacnCheese_8, Malthus_9, Marcoliusprime_4, MarkPhew_7, McMater_8, Mdavu_4, MeaningOfLife_8, Megsy_8, Milly_4, Mitti_9, MooMoo_2, Mufasa_4, Murucutumbu_8, Mynx_8, Nibb_7, Nikao_4, Niklas_8, November_6, Nutello_4, Oscar_7, Padfoot_8, Padpat_8, Peanam_8, Peel_8, Pharb_7, PhelpsODU_7, Phrank_7, Piatt_8, Pisa1_7, Pisa4_7, Pixie_7, Pokerus_7, Prithvi_8, QuincyRose_7, Ramen_8, Rapunzel97_8, Richo_8, Rosmarinus_8, Ruthiejr_8, SamuelLPagson_8, Scarlett_7, SgtBeansprout_4, Shadow1_6, Shaobing_8, ShedlockHolmes_7, ShiaSurprise_8, SirPhilip_7, Slarp_9, Slimphazie_8, Spock_8, Stinson_8, Strobilo_4, Sulley_8, Sunflower1121_6,

Syra333_7, TClif_7, TM4_4, Tachez_8, TaiwanKao_8, Taquito_7, Teejan_4, Tierra_7, Tigress9_7, TingHuaYa_8, TiniBug_8, Tiri_8, Topper_8, Torres_4, TreyKay_8, TribbleTrouble_6, Trice_4, TruffulaTree_8, Twitch_8, Unicorn_7, Urkel_8, Validus_8, Veliki_8, Wintermute_9, Ximenita_8, YoureAdopted_7, Yunkel11_8, Zabiza_8, Zavala_8, ZoeJ_4,

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

- Bobquesha_9, DanSyl44_9, Juliette_9, Keelan_32, Marshawn_9, MissDaisy_9, OmniCritical_9, Patt_9, Qhanda_9, Reptar3000_9, SamScheppers_7, TBond007_7, Y10_09, Y2_09, YasnayaPolyana_9, Yuna_8,

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

- 32HC_3, ATCC29399BC_2, ATCC29399BT_2, AbbyDaisy_3, Abidatro_3, Abigail_3, Acquire49_4, Adaia_3, Adelaide_2, AdoptaAdorbs_2, Adora_2, Agamotto_6, Agent47_6, Aggie_2, AizenPogi_2, Akino08_3, Alatato_2, Albanese_5, Albedo_3, Albright_3, Aledel_2, AlexMinion_2, Alexphander_3, Alkhayr_31, AllBusiness_5, AlleyCat_6, Aloeri_3, Altostratus_2, Alucard_3, Amanises_4, Amelia_4, AmiCi24_2, Amochick_5, Amphitrite_2, Amymech_5, Anatole_3, Andies_2, Andrew_3, Angel_2, AnnaLie_4, AnnabelLee_4, Annalisa_3, Annihilator_2, Anseraureola_3, Antrice_3, Antsirabe_2, Aoka_3, AppleCider_5, Applejacks_2, Appletree2_4, Aquarius_2, ArV2_02, Arby_4, ArchiDore_2, Archie_4, Archimedes_1, Archis_2, Arib1_2, Ariel_9, Arielagos_2, Aries55_3, Armstrong_2, Aroostook_2, Arroyo_4, Asapag_3, Ashwin_32, Astro16_3, Atcoo_2, Atlantica_2, Atraxa_3, Attacne_2, Attis_2, Audell_7, AuntGwenStacy_9, Auspice_14, AustinPowers_2, AvGardian_3, AvadaKedavra_4, Avani_3, Avocado_2, Avocadoman_3, Avrafan_2, Avvas_3, Awesomesauce_3, AylexOG_4, Ayotoya_6, Azathoth_4, Azaz_2, Aziz_18, Azizam_3, Azrael100_25, Aztec_3, AzulaCat_2, Azula_2, B22_3, B3_3, BAjuniper_3, BBQValindra_2, BENTherdunthat_3, BFK20_ORF2, BPs_2, BQuat_2, BabeRuth_2, Babushka_2, BabyDaisy_4, BabyYoda_3, Bachaco_3, BackstagePass_2, BaileyBlu_2, Baine_3, Ball_2, BananenDer11_6, Banquo_11, Baoshan_3, BarBear_3, Barco_2, Barebow_2, Barkley26_2, Bartholomew_2, Basilisk_3, Bauer_4, BaxterFox_2, Bazzle_4, Beakin_3, Beanstalk_3, Bedetta_4, Beenie_3, Beethoven_5, Begonia_2, BellaJr_4, Bellis_5, BelmontSKP_4, Belthelas_3, Bengal_3, Bennie_2, Berka_4, Bernstein_2, BetterKatz_6, Bhagsy_2, Bibble12_4, BigBoyz_1, BigCheese_4, BigMack_2, BigNuz_2, BigPhil_3, BigSherm_5, BinkBonk_3, Bintii_3, Bipper_9, Biscayne_3, Bjanes7_2, BlackSpider_2, Blair_4, Blarby_4, Blessica_31, BlingBling_2, Blino_2, BloominB_5, BlueFeather_1, Blueberry_2, Bobby_11, Bobi_3, BobsGarage_4, Bock_6, Bodacious_2, Bodhi17_3, Bogie_2, BonaeVitae_3, Bongo_14, BoomRoasted_3, Boomer_3, Bora_28, Bosection6_2, BotCity_3, BourbonZero_4, Bowser_2, Bradley2_3, Brahms_2, BrainDrainer_4, Bran_2, BrayBeast_2, Breezona_4, Bri160_3, Bricole_14, BrokMonster_3, Bromden_4, BronnyJames_6, BronnyJr_2, Brookers_3, BrotherBLo_5, BruceB_2, BruceLethal_2, Brusacoram_2, Brushbloom_3, Brylie_6, Brynnie_3, BubbaBear_3, Budski_3, Buldak_3, Bullzi2019_3, Bunker_2, Bunnies_2, Burgy_3, Burritobowl_3, BurtonThePup_3, Butters_2, BuzzLyseyear_3, CGermain_4, CLED96_2, CabbageMan_2, CactusJack_2, CallieOMalley_5, CallinAllBarbz_2, Calm_4, Camara_2, Cambiare_3, Camri_2, Camster_2, Canowicakte_5, CaptainKirk2_2, Carcharodon_2, CardboardBox_4, CarefulCloud_2, CarolAnn_2, Carpal_5, Cashington_3, CassieYates_2, Cassini_2, Catdawg_30, Catfish_6, Cayde6_3, Cazares_3, Cedasite_2, Celaena_3, Cerasum_3, ChamoyPickle_4, Chance64_2, Charbie_3, Charlie_2, Chaser_4, Chatham_3, Che9c_2, Che9d_3, CheeseDanish_4, CheeseSpider_2, CheeseTouch_3, Cheesecake_3, Cherrybomb426_2, Chestnut_4, ChewChew_2, Chewbacca_2, Chickaboom_2, ChickenDinner_3, Chicken_3,

ChiliPepper_3, ChipsNGuac_4, Cholula_5, Chop_6, Chridison_2, Christian_2, Chubbello_2, ChutneyChips_3, CicholasNage_4, Ciel_3, Clap_2, Clark_3, Claus_4, Clautastrophe_5, Clayda5_2, CliffHanger_4, Cloudyecho_2, Clownery_3, Coco12_3, CocoCinnamon_5, Coeur_2, Cole_4, Coleslaw_2, Collard_6, Coltrane_2, Colusalem_3, Concrete_3, Copper_4, Coral_3, Corgi_4, Coriander_2, Corndog_32, Cornucopia_3, Cosmo_26, Cota_2, Cote_4, Courthouse_10, Courtney3_4, Cracklewink_9, Crespo_2, CristinaYang_2, CroZenni_3, Crossroads_4, Cubone_1, CupcakePrincess_3, CurlyFries_9, Cygnet_3, Cynthia_2, CyranoPS_2, DHan_4, DMoney_2, DNAll_002, DaWorst_3, Dadosky_6, Daegal_6, DaftyDuck_3, Daiboju_2, DanBing_3, DanHam62_2, Danimal_3, Danno_3, Daob_4, Dardanus_9, Darionha_2, Decurro_4, DeepSoil15_5, DelRio_6, Delian_2, Demsculpinboyz_3, Denise_2, Dewayne_4, Dewey_5, DickRichards_3, Didgeridoo_4, Diminimus_15, Dina_2, DingDing_2, DinoDaryn_9, Dino_5, DirkDirk_4, DirtMcgirt_3, DirtPie_3, Dirdigger_5, Dirtfootball_2, DirtyBoi_2, DirtyBubble_3, Dismas_3, Dmitri_2, DobbysSock_2, DocMcStuffins_3, Doggs_2, Dolores_3, Donatella_5, Dongwon_3, DonkeyMan_2, Donovan_2, Doobus_3, Dooby_3, Doomslug_3, Dorito_2, DosHalletts_3, DoubleChamp_6, Doucette_3, Douge_4, Douggie_3, Douzhi_4, DrParker_2, DrRobert_2, DrSeegs_4, Drago_3, DreamTeam_2, Dulcita_15, DumpsterDude_2, DuncansLeg_5, Duplicity_2, Dylan_30, Dynamo_2, DyoEdafos_5, E1_3, E6_3, ECartman_2, EGUnicorn_2, ELee24_3, Easley_3, Ebert_2, Ecliptus_3, EdElric_3, Eden_2, EdnaMode_2, Edugator_5, Eesa_3, Efeko_4, Eightball_3, Ein37_5, Ekko14_3, ElectricPheel_5, Elesar_5, Elfy_2, Elkhorn_4, Ellson_5, Elspeth_3, Elva_4, EmiRose_2, Emmaloid_3, Emperor_2, Enby_3, Enceladus_4, EniyanLRS_23, Enochoraptor_2, Enoki_2, EpicDab_2, Erin_3, EstebanJulior_2, Estes_19, Etoile_2, Eula_3, Eunoia_2, Evanesce_5, EvenBluerMoon_3, Eyes_2, Eyoseyas_2, Eyre_2, Ezurina_3, Fairfaxidum_2, Faith1_4, Faith5x5_2, Faiyaz_9, Familton_31, FarmResident_4, Fenry_2, Feyre_6, Finalfrontier_4, Finemlucis_4, Fingolfin_2, Finkle_2, Finnry_5, FirePit_2, Firecracker_31, FirstPlacePfu_2, Fishburne_2, FlagStaff_2, FlameThrower_3, Flashwig_2, Flathead_3, Fluke_5, Forge_5, FoulBall_30, Francois_6, Frankie_3, Franklin22_2, FreakyGoo_15, Frickyeah_3, Frizzle_1, FroggyToad_2, Frokostdame_2, Frosty24_2, Fryberger_34, Fulbright_2, G4_3, GEazy_2, GMA5_2, GRU3_2, Gabbspett_3, Gabriela_4, Gack_2, Galaxy_3, Gallop_2, GaloreK_2, Gambino_2, Gancho_4, Gardann_4, GardenSalsa_18, Gardevoir_3, Gavriela_2, GemG_2, GenevaB15_18, Gengar_6, Gerri43_4, Getalong_3, Gex_2, Ghobes_1, Gibbzilla_2, Gideon_2, Giles_5, Gillker_3, Girafales_3, Gisselle_2, Gizermo_2, Glaske16_15, Glaske_2, Glenn_5, Glotell_2, GodSpeed_2, Godfather_3, Goib_8, GoldenAsh_2, GoldenBlanche_3, Gomashi_2, Gonephishing_10, Goobery_3, GoodLuckBabe_6, Goulash_3, GrandSlam_6, Gravallia_5, Gravel_4, Graynor_5, Grayscar_3, GreaseLightnin_2, GreenHearts_5, Greenhouse_5, GrimEater_2, Grizzly_2, Gsput1_5, Guacamole_2, Guey18_39, Guillsminger_6, Guinevere_6, Guntur_4, Gusanita_4, Gustav_2, GuuelaD_4, HH92_5, HUHilltop_2, Hadrien_5, Hafay_4, Hail_5, Halena_4, Haley23_2, Halloweekend_4, Halo_2, HamCheese_2, Hamood_6, Hanako_2, Hannaconda_7, HannahD_2, HannahPhantana_4, HarperAnne_3, HeadMave_3, HeadNerd_2, Hedwig_2, Heftyboy_6, Hegedechwinu_3, Heinz_2, Herb_2, Hereford_6, Hernandez44_3, Hibiscus_2, Hilltopfarm_9, Hitter_2, Holliday_3, Hope_2, Horacetta_3, HorseRider_2, Hortense_2, Horus_3, Hotshotbaby7_2, Howe_2, Huckleberry_2, Huffy_9, Hulk_3, Hunnie_4, HunterDalle_2, Huntingdon_5, IPhane7_14, Icarian_4, Ichiang_4, Idaho_3, IdentityCrisis_2, Idergollasper_30, Imara_29, Immaculata_5, Impisi_2, IndyLu_3, Inspire2_4, Invectra_3, InvictusManeo_6, IsHungry_6, Itos_4, Izel_15, IzzyPants24_3, JCole_2, JRok_3, Jabb_3, Jabbawokkie_4, Jahseh_3, JaimeB_3, JalFarm20_3, Jalammah_2, Jalleen_2, Jalloh_2, Jamie19_2, Jamun_3, Jane_2, JanetJ_3, JangDynasty_30,

Jankie_2, Jannah_3, JasperJr_2, JeanClaude_2, Jeanie_2, Jebeks_2, Jeilious_2, Jella_3, Jerky_3, Jerole_4, Jessica_5, Jflix2_8, JoBros_3, Joann_5, Job42_3, Jobypre_5, JoeDirt_4, Johnathan_3, Jojo24_2, Jolene_2, Jolie2_2, Jonghyun_2, JooneeDee_3, JorRay_2, Josuke_3, Journey_2, Jovita_3, JuJu_2, Jubie_5, Juice456_3, Julie_6, Jumboset_5, Jung_2, Juniormint_2, Juno112_2, JustASigh_2, KHumphrey_2, KNG13_4, Kahlid_4, Kaijohn_3, Kalizo1_5, Kamaru_3, Kamdara_3, KappaFarmDelta_2, Kareem_2, Kari_2, Kasen3_2, KashFlow_4, Kate33_3, Katzastrophic_3, KayPaulus_3, Keiki_2, Kels_2, KendraB23_4, Kenna_3, Kenzers_3, Kepler_3, Kevanna_3, Kevin1_2, Khuang_2, Kieran_3, Kihatsu_7, Kiko_2, KilKor_2, KillerTomato_3, Kimberlium_3, Kinbote_5, KingBob_2, KingPhillip3_28, Kingsley_3, Kingsolomon_5, KirDoubleO7_3, Kittykat_2, Klein_10, KleverKiS_14, Kojax4_3, Korra_5, Kratio_5, Krili_30, Kropertea_4, Krypton555_5, Ksquared_2, Kubed_2, Kudetre_12, Kuleana_3, Kumao_13, Kumotta_3, KylieMac_5, KyriosFaba_3, Lahqtemish_3, Laila_5, Lakshmi_5, Lamberg_2, Langerak_2, Laphuphu24k_2, Larva_6, Lasagna_2, LastNadiia_7, LauKoruNamu_3, Lauchelly_2, LaviMo_3, LeBron_4, Leafy_3, Lederberg_2, LemonPepper_3, Lemuria_2, Lennox_2, Lenoxika_6, Leona_2, Leozinho_3, Leroy_3, Leston_6, Leviosa_2, Lewan_4, Liefie_2, LilBandit_2, LilDestine_4, LilDirt_5, LilHazelNut_5, LilJank_12, LilSpotty_2, LilStuart_2, LilhomieP_13, Lilo27_3, LimaBean_3, Link_4, LionelHutz_3, LitninMcQueen_3, Litotes_5, LittleShirley_3, LittleTokyo_3, Livingwater_3, LiyuLake_5, Loadrie_4, Loca_3, Lola20_3, Lolly9_5, LordFarquaad_2, LordVader_3, Lorde_3, Lore_4, LouisV14_2, LouisXIV_4, Loviatar_3, Lton_2, Lucia_3, Lucky10_2, Lucky2013_10, Lucy_2, Luke_5, Lumos_5, Luna22_5, Lunar_4, Lunatic_3, Lutum_3, Luxx_3, Lynlen_3, Lynnae_4, Lysidious_2, MAckerman_4, MEAK_2, MOOREtheMARYer_2, MZKinsey_2, MadKillah_32, Madebyisha_3, Madiba_3, Madraxi_10, Maggie_4, MagicMan_2, Magsby_2, Mahdia_2, Maja_2, Majeke_2, Majesty_3, MakCheese_2, Makima_5, Makoto_2, Malachai_2, Malibo_2, Maliketh_2, Malisha_3, Malithi_2, MamaPearl_2, ManAs_3, Maneater_3, Mangethe_2, MargaretKali_3, Maria1952_2, Marichuy_3, Mariposa_4, Marker_3, Marmie_2, MaryV_26, Massimo_4, MasterPitts_3, Matteo_2, Mauilvory_3, Mbo4_2, McGonagall_2, McShie_3, MeganNoll_5, Megiddo_2, MelBee03_3, Melba_2, Mellie_2, Melons_4, Melville_2, Mercurio_3, Merpity_3, MiaZeal_10, Miaurora_3, MichaelScott_3, MichelleMyBell_2, Miley16_4, MillySue_6, Milomuff_4, Min1_37, MiniLon_5, MiniMac_5, Minima_3, MintFen_2, Mireles_4, MirimarMandM_3, Miryou_6, Misaeng_5, Misha28_3, MissRona_2, MkaliMitinis3_4, MoRicky_2, Mocha12_2, Moki_2, Moloch_4, Mookitty_3, Moonflower_2, Moosehead_2, Moostard_5, Mori_30, Morkie_2, Morrissey_2, Mova_3, Mowgli_2, Moyashi_2, Mozy_3, MrAK_2, MrBoss_5, MrGloopy_5, MrGreen_3, MrMagoo_18, MrSmee_2, MsGreen_5, MsUbiquitous_3, MulchExplorer_3, Mulch_6, Murai_31, Murp_2, Muttie_4, Myram_3, Naby_3, Nadeem_6, Namsahir_3, Nancia_2, NancyRae_6, Nandita_6, Nanosmite_18, Nazo_2, Nebulanyx_4, Necropolis_2, Neighly_6, Nekros_8, Nenae_2, Neoh_2, Nettuno_2, Netyap_4, NeumannU_3, Neuville_4, Neville_12, Niblet_3, Nibley_6, Nicholas_5, Nicholas3_4, Nicky22_4, NiebruSaylor_30, Niffler_3, Nobel_3, Noelani_3, Noely_2, NovoPizza_3, Nubia_5, OBUpride_5, ODay_3, OMalley_2, Oaklynn_3, Obliviate_2, OctaviousRex_2, Octobien14_13, Octopus_3, OdetoJoy_3, Ogopogo_4, OhShagHennessy_4, Ohgeesy_2, OkiRoe_6, Oksu_3, Olga_2, Olliecat_3, Omnicron_6, OneDirection_2, Opie_2, Oppalora_2, Orcanus_3, Oregano_2, OtsoOtso_3, Otwor_3, OurGirlNessie_2, Ouroboros_2, OverPar_4, Owens_3, OwlsT2W_3, Oxyfnrius_5, P1.1_2, P100.1_2, P100A_2, P100D_2, P101A_2, P104A_2, P104B_2, P105_2, P106A_2, P106C_2, P106I_2, P106L_2, P106M_2, P107A_2, P107C_2, P108C_2, P14.4_2, P3MA_3, P9.1_2, PA6_2, PAD20_2, PAS50_2, PCoral7_2, PFR1_02, PFR2_02, PHL010M04_02, PHL037M02_02, PHL060L00_02, PHL067M10_02,

PHL071N05_02, PHL111M01_02, PHL112N00_02, PHL113M01_02,
PHL114L00_02, PYPDinur_4, Pace1224_2, Païto_2, Panchino_2, PantheRoc_2,
PaoPu_3, Paola_6, Parada_6, ParmesanJohn_2, PartyCup_5, PastaFagioli_3,
Pauu_3, PeanutPie_2, Pecas_3, Peeb_2, PegLeg_14, Pelletreau_4, Penoan_4,
PensacolaC28_1, Peridot_3, Periodt_2, Periwinkle_3, Petra_2, Phabuloso_3,
Phalm_2, PhancyPhin_2, Phayonce_2, Phegasus_2, PhigPhack_3, Philonius_2,
Phineas_2, PhirstandPhine_4, Phisb_3, Phish_2, Phistory_3, Phloodle_2, Phloss_2,
PhluffyCoco_2, PhorbesPhlower_2, Phrann_2, Phreak_2, PhriskyACE_2,
PhrostedPhlake_2, Picconator_3, Pickett_2, Picnic_3, Pigu_3, Piku_1, Pimento_6,
Pineda_4, PinkFriday_2, PinkYoshi_2, Pinnie_3, Piper2020_3, Pipp_2,
Pipsqueaks_2, Pirate_2, PitaDog_2, Pitbull_2, Plagueis_2, Plumbus_3, PoRanda_3,
Polka_3, Polkaroo_2, Pollywog_3, PondAmelia_5, Pondwater_3, Poochiewood_4,
Popper_4, Porcelain_10, Potatoes_5, Powerball_2, PrairieDogTown_3, Preamble_2,
PrincePatrick_2, Procrass1_2, Prospero_4, Psycho_6, Pterodactyl_2, Publix_3,
Puddles3_3, PuffyCat_3, Pumancara_2, Puppies_2, Purgamenstris_2, Purky_2,
Pygmy_2, QMacho_4, Quaker_3, Quby_4, QueenBey_2, Quenya_4, Quico_3,
QuinnAvery_6, RAP15_5, REQ1_66, REQ2_02, RRH1_02, Rabbitrun_14, Rabbs_2,
Rahul_2, Ramsey_3, Rando14_6, Raqqa_3, Rattail_2, Rattrick_2, RayTheFireFly_2,
Raymond7_2, RcigaStruga_5, Rearden_7, Rebel_2, Red305_5, RedFox_2, Redi_2,
RegnumDei_6, Reindeer_12, Rem711_3, Remy19_2, Renaissance_2, Renna12_3,
Rey_18, Reyja_3, Rhogar_3, Rhysand_3, Rialto_3, Richarlison_2, Rileysaurus_2,
Riovina_2, Rira_3, Riverdale_5, Roberts_4, RockyHorror_3, Rollins_2, Rona_3,
Ronaldo_37, Ronnie_4, Root_4, Rooter_3, RoscoWindex_3, Rose5_4,
RoseMarie_14, Rossetti_4, Rozby_5, Rubeelu_2, Ruchi_3, Rumpelstiltskin_4,
Ruriko_2, Ruthy_2, Ryadel_33, Ryan_6, SFuller_9, SKKY_2, Sachet_3, Sage7_3,
Sahara_2, SallySpecial_2, SamW_2, Samba_2, Samman98_3, Samty_5,
SanaSana_4, Sandman_4, SansAfet_3, SantasSleigh_3, Santhid_2, Saphira_4,
Sapo_1, SarBear_3, Sara_3, Sarge_2, Sarma624_3, Sarshaun_4, Savage2526_5,
Savage_2, Sbash_2, Scamander_3, Schiebel_2, Schiebs_2, Schism_6, Schmidt_5,
Schnabeltier_2, Schnauzer_2, SchoolBus_30, Schuy_32, Scitech_2, Scrunchy_3,
Scuttle_5, SeaWolves_3, Seagreen_3, Sekhmet_3, Sephiroth_13, Sergei_2,
SerialPhiller_2, Seume_4, ShaboiShabazz_2, Shaboozey_6, Shagrat_8, Sharkboy_3,
ShawBrad_3, Shayna_2, Shen_4, Sheng711_4, Shida_31, Shipwreck_2,
Shlim410_2, Shoya_2, ShrimpFriedEgg_2, Shweta_2, Sidious_2, Silvafighter_2,
SilverChicken_3, Silverleaf_4, Silvy_2, SimranZ1_3, Sippinontea_3, SirBeanington_3,
Sizemore_2, SkinnyPete_2, Skinny_15, Skitty_2, Skylord_2, Slay_3, Sleepyhead_2,
Slentz_3, SlimJimmy_13, Slim_3, Slizam_3, Smilerella_2, Smooch_33, Smurph_2,
Sneeze_2, Snekmaggon_2, Snenia_5, Snuffles_4, SoJulia_4, SoSeph_6,
Soap141_4, Softsoap_3, SoilAssassin_2, Solea_4, Solid_2, Sonah_2, Soul22_3,
Sourignavong_5, Spartan_2, Spartoi_2, Spikelee_3, Spinach_2, Splinter_7,
SpongeBob_2, Spooky_3, Sprinklemunch_2, Sproutie_2, Sputnik_3, Squiddly_4,
Squint_10, Squircle_3, Squirty_3, StAB_2, Stap_3, Starceвич_3, Stargaze_2,
Stem_3, StevieRay_2, StewieGriff_4, Stiles_2, Stoor_3, Stormborn_2, Stratus_4,
StrawberryLem_2, StressBall_2, Stromboli_3, StuartMinion_2, Stuck_2, Studio_4,
Suerte_2, SunnyD_2, Supakev_2, Supernova_2, Superphikiman_10, Suppi_5,
Sweets_2, Swenson_4, Swervy_3, Syleon_13, TMaxx_4, TZGordon_9, Taheera_2,
TailX7_2, Taj14_4, Tapioca_2, TaronosaurusRx_2, Tarzan_2, TattModd_5,
TaylorSipht_3, Tchotchke_3, Teagster_2, Techage_2, TeddyBoy_3, TelAviv_28,
Temper16_2, Terror_2, Tessdabest_1, Thespis_2, Thimann_3, ThulaThula_2,
Thyatira_6, TimoTea_3, TinaBug_2, TinaLin_10, TinoCrisci_4, TinyTruffula_3,
Toad24_4, Toast_2, ToastyOats_7, TomBrady12_3, TomBrady_2, Toodles_6,
TootsiePop_3, Tootsieroll_3, Tortellini_2, Tortoise12_2, Totinger_3, Toulouse_3,
Tourach_4, TpudiCK_15, Trackstar_3, Trax_12, TriFive_5, Trine_2, TripleC_7,

Trireme_3, Troy_2, TuertoX_2, TukTuk_3, Tuti_4, Twinkle_2, TyDawg_14, TymAbreu_4, Typha_9, Tyrellus_3, Tyson_4, UPIE_4, Ubuntu_5, UmaThurman_2, UncleRicky_3, Underpass_4, Upsilon_3, Upyo_2, Urla_2, Utopia_1, Utz_2, Vagabond_31, Vallejo_5, Vanisius_3, Vasanti_2, Velveteen_3, Vendetta_7, Venti_2, Vetrix_4, Vidya_2, Vinye_4, Vitas_2, VitulaEligans_3, ViviJ_5, Volt_36, Vorrips_30, Vulpecula_3, Vulture_2, WST1_2, WalkingDead_3, Walrus_2, Wamburgxpress_4, Wanda_10, Waterfoul_6, Wawa_5, Wayne_5, Webster2_5, Weirido19_2, Wendigo_2, Westrich_4, Whack_2, WheatThin_6, Whirlwind_6, Whiteclaw_2, Whitney_3, Whytu_1, Widow_2, Wigglewiggles_4, Wildcat_26, Wilder_4, Wildflower_31, WileyE_2, William_2, Willsammy_2, Winget_31, WinkNick_3, Winky_4, Wishmaker_5, Wisp_2, Witch_3, Wizzo_2, Wocket_2, Wogge42_30, Wolfpack_3, WonderBoy_2, WorldChangers_1, Wyatt2_4, Xavia_2, Xeno_2, Xerxes_2, Ximeno_2, Yami_3, YangYin_2, Yank_4, Yasuo_3, Yavru_1, Yeet412_2, Yeezy_2, YertPhresh_3, Yonex_6, Yoshi_3, YoyoKar_29, Yubaba_3, YungJamal_33, ZAYM_2, Zaheer_6, Zahlia_3, Zakai_4, Zakhe101_31, Zapner_4, Zarbodnamra_2, Zaria_4, Zebo_30, ZhongYanYuan_3, Zhuangyuan_4, ZiggyZoo_2, Ziko_37, Zilizebeth_2, Zilla_2, Zixiang_3, ZoMa_2, Zodiariah_2, Zombie_2, Zorro_5, Zucker_3,

Summary by start number:

Start 19:

- Found in 5 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 4 of 1335
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Archimedes_1 (DA), Frizzle_1 (DA), Ghobes_1 (DA), Sapo_1 (DA),

Start 34:

- Found in 1 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Idaho_3 (FE),

Start 39:

- Found in 2 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JustASigh_2 (AH),

Start 42:

- Found in 1 of 1582 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weirido19_2 (AH),

Start 43:

- Found in 1 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_2 (singleton),

Start 47:

- Found in 2 of 1582 (0.1%) of genes in pham

- Manual Annotations of this start: 1 of 1335
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Avocado_2 (G2),

Start 49:

- Found in 10 of 1582 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 1335
- Called 90.0% of time when present
- Phage (with cluster) where this start called: CabbageMan_2 (FE), CheeseDanish_4 (FE), Corgi_4 (FE), KNG13_4 (FE), LauKoruNamu_3 (FE), Nebulanyx_4 (FE), Noely_2 (FE), Pauu_3 (FE), WorldChangers_1 (FE),

Start 50:

- Found in 17 of 1582 (1.1%) of genes in pham
- Manual Annotations of this start: 3 of 1335
- Called 23.5% of time when present
- Phage (with cluster) where this start called: Banquo_11 (CU1), Dardanus_9 (CU3), Gspu1_5 (CU2), TinaLin_10 (CU1),

Start 56:

- Found in 58 of 1582 (3.7%) of genes in pham
- Manual Annotations of this start: 50 of 1335
- Called 96.6% of time when present
- Phage (with cluster) where this start called: Arib1_2 (P1), Atcoo_2 (P1), Bartholomew_2 (P1), Bhagsy_2 (P1), BigNuz_2 (P4), Bogie_2 (P1), BronnyJr_2 (P1), Brusacoram_2 (P1), Bunnies_2 (P1), CactusJack_2 (P1), Camster_2 (P1), Chubbello_2 (P1), Donovan_2 (P1), Dynamo_2 (P1), Etoile_2 (P1), FirstPlacePfu_2 (P1), Fishburne_2 (P1), GaloreK_2 (P1), Gavriela_2 (P1), Glaske_2 (P1), GreaseLightnin_2 (P1), HUHilltop_2 (P1), Jebeks_2 (P1), Jung_2 (P1), Juniormint_2 (P1), Kari_2 (P1), KilKor_2 (P1), Ksquared_2 (P1), Langerak_2 (P1), Majeke_2 (P1), Malithi_2 (P1), Mangethe_2 (P1), Megiddo_2 (P1), Nazo_2 (P4), Necropolis_2 (P1), PeanutPie_2 (P1), Phalm_2 (P1), Phayonce_2 (P5), Phegasus_2 (P1), Phineas_2 (P1), Polkaroo_2 (P1), Purky_2 (P6), Pygmy_2 (P1), Shipwreck_2 (P1), Sonah_2 (P1), StevieRay_2 (P1), StressBall_2 (P1), Techage_2 (P1), Thespis_2 (P1), ThulaThula_2 (P5), Tortellini_2 (P2), Venti_2 (P1), Vidya_2 (P1), Willsammy_2 (P1), Xavia_2 (P3), Zilizebeth_2 (P1),

Start 59:

- Found in 5 of 1582 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Eyoseyas_2 (AN), FirePit_2 (AN), Ximeno_2 (AN),

Start 63:

- Found in 4 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Berka_4 (FE),

Start 65:

- Found in 2 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1335

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Root_4 (JC), Schmidt_5 (CU4),

Start 69:

- Found in 3 of 1582 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Catfish_6 (CU5),

Start 73:

- Found in 64 of 1582 (4.0%) of genes in pham
- Manual Annotations of this start: 42 of 1335
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_31 (O), Amochick_5 (Q), Amymech_5 (Q), Ashwin_32 (O), AuntGwenStacy_9 (Y), Bipper_9 (Y), BloominB_5 (Q), Cracklewink_9 (Y), Daegal_6 (Q), DeepSoil15_5 (Q), Dewey_5 (Q), Dylan_30 (O), Ein37_5 (Q), Faiyaz_9 (Y), Familton_31 (O), Forge_5 (Q), Gancho_4 (Q), Giles_5 (Q), Gravaillia_5 (Q), HH92_5 (Q), Hail_5 (Q), Hilltopfarm_9 (Y), Idergollasper_30 (O), Imara_29 (O), JangDynasty_30 (O), Kinbote_5 (Q), KingPhillip3_28 (O), Krili_30 (O), LilHazelNut_5 (Q), Luna22_5 (Q), Mori_30 (O), NiebruSaylor_30 (O), NovoPizza_3 (Q), OBUpride_5 (Q), Ryadel_33 (O), SchoolBus_30 (O), Shida_31 (O), Smooch_33 (O), TelAviv_28 (O), Typha_9 (Y), Ubuntu_5 (Q), Vagabond_31 (O), Webster2_5 (Q), Wildflower_31 (O), Winget_31 (O), Wishmaker_5 (Q), Wogge42_30 (O), Yoyokar_29 (O),

Start 74:

- Found in 86 of 1582 (5.4%) of genes in pham
- Manual Annotations of this start: 22 of 1335
- Called 32.6% of time when present
- Phage (with cluster) where this start called: Antsirabe_2 (G5), CLED96_2 (G1), Camri_2 (G1), Cloudyecho_2 (G3), DMoney_2 (G1), DNAllI_002 (G1), Darionha_2 (G1), FlagStaff_2 (G2), Frosty24_2 (G1), Gideon_2 (G1), GodSpeed_2 (G2), Jolie2_2 (G4), Lemuria_2 (G4), MOOREtheMARYer_2 (G3), Marmie_2 (G1), Mercurio_3 (G4), Mowgli_2 (G1), Pace1224_2 (G2), PinkYoshi_2 (G1), Plagueis_2 (G1), Rattrick_2 (G1), Remy19_2 (G1), Schiebel_2 (G1), Sizemore_2 (G1), Stargaze_2 (G5), TinaBug_2 (G1), YangYin_2 (G5), Zombie_2 (G1),

Start 76:

- Found in 35 of 1582 (2.2%) of genes in pham
- Manual Annotations of this start: 13 of 1335
- Called 37.1% of time when present
- Phage (with cluster) where this start called: Blessica_31 (O), Bora_28 (O), Catdawg_30 (O), Corndog_32 (O), Firecracker_31 (O), FoulBall_30 (O), MadKillah_32 (O), Murai_31 (O), Schuy_32 (O), Vorrps_30 (O), YungJamal_33 (O), Zakhe101_31 (O), Zebo_30 (O),

Start 79:

- Found in 189 of 1582 (11.9%) of genes in pham
- Manual Annotations of this start: 143 of 1335
- Called 86.8% of time when present
- Phage (with cluster) where this start called: Acquire49_4 (L1), Albanese_5 (AK), Aledel_2 (AK), AppleCider_5 (AK), Appletree2_4 (L1), Archie_4 (L2), AvadaKedavra_4 (L1), Baoshan_3 (L2), Bazzle_4 (L2), Beethoven_5 (AK), Bellis_5

(L3), Bennie_2 (AK), BigCheese_4 (L2), BigMack_2 (AK), BobsGarage_4 (L2), Bodacious_2 (AK), BourbonZero_4 (L3), BrainDrainer_4 (L4), Breezona_4 (L2), Bromden_4 (L4), CallieOMalley_5 (AK), Canowicakte_5 (AK), Carpal_5 (AK), Chaser_4 (L4), ChewChew_2 (AK), Cholula_5 (AK), Chridison_2 (AK), Christian_2 (AK), ChutneyChips_3 (L4), Claus_4 (L2), Clautastrophe_5 (L3), CristinaYang_2 (AK), Crossroads_4 (L2), DHan_4 (L2), Daiboku_2 (AK), Dino_5 (AK), DirkDirk_4 (L1), Douge_4 (L4), Douzhi_4 (L4), DrRobert_2 (AK), DrSeegs_4 (L2), DreamTeam_2 (AK), DuncansLeg_5 (L3), DyoEdafos_5 (L4), Ellson_5 (L3), Enceladus_4 (L1), EstebanJulior_2 (AK), Eunoia_2 (AK), Faith1_4 (L2), FarmResident_4 (L4), Finemlucis_4 (L2), Finnry_5 (L3), Fluke_5 (AK), Gabriela_4 (L2), Gardann_4 (L2), Gisselle_2 (AK), Glenn_5 (AK), GreenHearts_5 (AK), Greenhouse_5 (AK), GuuelaD_4 (L2), Hafay_4 (L2), Halena_4 (L1), HeadNerd_2 (AK), Herb_2 (AK), Huckleberry_2 (AK), HunterDalle_2 (AK), Huntingdon_5 (AK), Immaculata_5 (AK), Itos_4 (L2), Joann_5 (AK), Jobypre_5 (L3), Jubie_5 (L3), Kahlid_4 (L2), KingBob_2 (AK), Kingsolomon_5 (L3), KirDoubleO7_3 (L3), Kittykat_2 (AK), Korra_5 (AK), Krypton555_5 (L3), Lasagna_2 (AK), Lennox_2 (AK), Lewan_4 (L2), LilDestine_4 (L2), LilStuart_2 (AK), Litotes_5 (AK), LiyuLake_5 (L3), Loadrie_4 (L2), Lolly9_5 (L3), Lucy_2 (AK), Lumos_5 (L3), Lynnae_4 (L2), MÄckerman_4 (L1), Makoto_2 (AK), MamaPearl_2 (AK), Maria1952_2 (AK), MeganNoll_5 (AK), Miley16_4 (L2), MiniLon_5 (L3), MiniMac_5 (L3), MkaliMitinis3_4 (L2), Moki_2 (AK), Moostard_5 (L3), MrGloopy_5 (AK), MsGreen_5 (L3), Nancia_2 (AK), Netyap_4 (L2), Nicholas_5 (L3), Nicholasp3_4 (L2), Nubia_5 (AK), OMalley_2 (AK), OurGirlNessie_2 (AK), OverPar_4 (L2), Oxynfrius_5 (AK), PYPDinur_4 (L4), PartyCup_5 (AK), PitaDog_2 (AK), Potatoes_5 (AK), Preamble_2 (AK), Pterodactyl_2 (AK), Pumancara_2 (AK), Quby_4 (L4), RAP15_5 (AK), RcigaStruga_5 (AK), Red305_5 (L3), Riovina_2 (AK), Riverdale_5 (AK), Rose5_4 (L1), Rossetti_4 (L2), Rozby_5 (AK), Rumpelstiltskin_4 (L2), Samty_5 (L3), Sarshaun_4 (L2), Savage2526_5 (AK), Sergei_2 (AK), Sheng711_4 (L4), Silverleaf_4 (L1), Snenia_5 (L3), SoJulia_4 (L2), Soap141_4 (L2), Supakev_2 (AK), Suppi_5 (AK), TattModd_5 (AK), Temper16_2 (AK), Tourach_4 (L2), TriFive_5 (L3), Tyson_4 (L1), Underpass_4 (L2), Urla_2 (AK), Vallejo_5 (AK), Vetrix_4 (L2), Vulture_2 (AK), Wamburggrxpress_4 (L1), Wawa_5 (AK), Wayne_5 (AK), Whirlwind_6 (L3), Wigglewiggle_4 (L2), Wilder_4 (L2), Winky_4 (L2), WonderBoy_2 (AK), Wyatt2_4 (L1), Zakai_4 (L2), Zaria_4 (L1), ZhongYanYuan_3 (L2), Zorro_5 (AK),

Start 82:

- Found in 98 of 1582 (6.2%) of genes in pham
- Manual Annotations of this start: 6 of 1335
- Called 9.2% of time when present
- Phage (with cluster) where this start called: Calm_4 (L1), CicholasNage_4 (L1), DanBing_3 (L2), JoeDirt_4 (L1), Kropertea_4 (L4), LeBron_4 (L1), OhShagHennessy_4 (L1), Poochiewood_4 (L1), UPIE_4 (L1),

Start 83:

- Found in 1 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilSpotty_2 (singleton),

Start 84:

- Found in 66 of 1582 (4.2%) of genes in pham
- Manual Annotations of this start: 12 of 1335
- Called 18.2% of time when present

- Phage (with cluster) where this start called: Antrice_3 (AS2), Atlantica_2 (AS3), Basilisk_3 (AS1), Brynnie_3 (AS1), Coral_3 (AS2), Cygnet_3 (AS2), HamCheese_2 (AS3), LittleTokyo_3 (AS2), Lunar_4 (AS2), Melons_4 (AS2), Polka_3 (AS2), Zhuangyuan_4 (AS2),

Start 85:

- Found in 106 of 1582 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 1.9% of time when present
- Phage (with cluster) where this start called: 32HC_3 (Z), Rem711_3 (Z),

Start 86:

- Found in 2 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Finkle_2 (singleton),

Start 88:

- Found in 12 of 1582 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 1335
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Azrael100_25 (V), Cosmo_26 (V), EniyanLRS_23 (V), Kumao_13 (singleton), MaryV_26 (V), Wildcat_26 (V),

Start 89:

- Found in 7 of 1582 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 14.3% of time when present
- Phage (with cluster) where this start called: BlueFeather_1 (FE),

Start 91:

- Found in 5 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 3 of 1335
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Utopia_1 (FE), Whytu_1 (FE), Yavru_1 (FE),

Start 92:

- Found in 8 of 1582 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 12.5% of time when present
- Phage (with cluster) where this start called: SerialPhiller_2 (AN),

Start 94:

- Found in 18 of 1582 (1.1%) of genes in pham
- Manual Annotations of this start: 4 of 1335
- Called 27.8% of time when present
- Phage (with cluster) where this start called: MagicMan_2 (DB), Opie_2 (DB), Schnabeltier_2 (DB), TaronosaurusRx_2 (DB), ZAYM_2 (DB),

Start 95:

- Found in 44 of 1582 (2.8%) of genes in pham
- Manual Annotations of this start: 13 of 1335

- Called 56.8% of time when present
- Phage (with cluster) where this start called: AdoptaAdorbs_2 (AS3), AlexMinion_2 (AS3), AmiCi24_2 (AS3), Amphitrite_2 (AS3), Andrew_3 (AS3), Azaz_2 (AS3), Babushka_2 (AS3), BigSherm_5 (FF), Camara_2 (AS3), DanHam62_2 (AS3), Fingolfin_2 (AS3), Glotell_2 (AS3), Halloween_4 (FF), Juno112_2 (AS3), KHumphrey_2 (AS3), Laphuphu24k_2 (AS3), Leona_2 (AS3), Oppalora_2 (AS3), PhluffyCoco_2 (AS3), Rattail_2 (AS3), RedFox_2 (AS3), Renna12_3 (AS3), StuartMinion_2 (AS3), ToastyOats_7 (FF), Yonex_6 (FF),

Start 96:

- Found in 7 of 1582 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 85.7% of time when present
- Phage (with cluster) where this start called: CarefulCloud_2 (ER), CyranoPS_2 (ER), Flashwig_2 (ER), HorseRider_2 (ER), Jalloh_2 (ER), TailX7_2 (ER),

Start 99:

- Found in 1 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Whack_2 (singleton),

Start 101:

- Found in 30 of 1582 (1.9%) of genes in pham
- Manual Annotations of this start: 5 of 1335
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Arielagos_2 (AN), Evanesce_5 (Q), Hadrien_5 (Q), Kels_2 (AN), Luke_5 (Q), StrawberryLem_2 (AN),

Start 102:

- Found in 25 of 1582 (1.6%) of genes in pham
- Manual Annotations of this start: 21 of 1335
- Called 96.0% of time when present
- Phage (with cluster) where this start called: Auspice_14 (M1), Aziz_18 (M2), Bongo_14 (M1), Bricole_14 (M1), Diminimus_15 (M1), Dulcita_15 (M1), Estes_19 (M2), FreakyGoo_15 (M1), GardenSalsa_18 (M2), GenevaB15_18 (M2), Glaske16_15 (M1), IPhane7_14 (M1), Izel_15 (M1), KleverKiS_14 (M1), LilhomieP_13 (M1), MrMagoo_18 (M2), Nanosmite_18 (M3), PegLeg_14 (M1), Reindeer_12 (M1), RoseMarie_14 (M1), Skinny_15 (M1), SlimJimmy_13 (M1), TpudiCK_15 (M1), TyDawg_14 (M1),

Start 104:

- Found in 14 of 1582 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 21.4% of time when present
- Phage (with cluster) where this start called: Altostratus_2 (FS), Khuang_2 (FS), Rey_18 (M2),

Start 106:

- Found in 4 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Atraxa_3 (AX), Sputnik_3 (AX),

Start 107:

- Found in 152 of 1582 (9.6%) of genes in pham
- Manual Annotations of this start: 136 of 1335
- Called 96.1% of time when present
- Phage (with cluster) where this start called: Alucard_3 (EE), Anseraureola_3 (EE), Aries55_3 (EE), Astro16_3 (EE), Avvas_3 (EE), Azizam_3 (EE), Aztec_3 (EE), Baine_3 (EE), BarBear_3 (EE), Barebow_2 (singleton), Belthelas_3 (EE), BinkBonk_3 (EE), Bintii_3 (EE), Biscayne_3 (EE), Bodhi17_3 (EE), BonaeVitae_3 (EE), BoomRoasted_3 (EE), Bradley2_3 (EE), Bri160_3 (EE), BrokMonster_3 (EE), Bullzi2019_3 (EE), Burgy_3 (EE), BurtonThePup_3 (EE), Cayde6_3 (EE), Charbie_3 (EE), Chatham_3 (EE), Cheesecake_3 (EE), Ciel_3 (EE), Clownery_3 (EE), Concrete_3 (EE), DaftyDuck_3 (EE), Danimal_3 (EE), Danno_3 (EE), DirtPie_3 (EE), Dongwon_3 (EE), Dooby_3 (EE), Douggie_3 (EE), ELee24_3 (EE), EdElric_3 (EE), Efeko_4 (EE), Eightball_3 (EE), Ekko14_3 (EE), Elspeth_3 (EE), Erin_3 (EE), Gabbspett_3 (EE), Gardevoir_3 (EE), Gillker_3 (EE), Godfather_3 (EE), GoldenBlanche_3 (EE), Goobery_3 (EE), Goulash_3 (EE), Grayscar_3 (EE), HarperAnne_3 (EE), HeadMave_3 (EE), Hernandez44_3 (EE), Horacetta_3 (EE), Hulk_3 (EE), IzzyPants24_3 (EE), JRok_3 (EE), Jahseh_3 (EE), JaimeB_3 (EE), Jannah_3 (EE), Jella_3 (EE), Jerky_3 (EE), JoBros_3 (EE), JooneeDee_3 (EE), Josuke_3 (EE), Kaijohn_3 (EE), KayPaulus_3 (EE), Kevanna_3 (EE), KillerTomato_3 (EE), Kojax4_3 (EE), KyriosFaba_3 (EE), LaviMo_3 (EE), Leafy_3 (EE), LemonPepper_3 (EE), LionelHutz_3 (EE), Livingwater_3 (EE), Loca_3 (EE), Lola20_3 (EE), Lunatic_3 (EE), Luxx_3 (EE), Madebyisha_3 (EE), Majesty_3 (EE), ManAs_3 (EE), Maneater_3 (EE), Marichuy_3 (EE), MasterPitts_3 (EE), McShie_3 (EE), MelBee03_3 (EE), Miaurora_3 (EE), Minima_3 (EE), MirimarMandM_3 (EE), MrGreen_3 (EE), Myram_3 (EE), Naby_3 (EE), Namsahir_3 (EE), NeumannU_3 (EE), Niffler_3 (EE), Nobel_3 (EE), Noelani_3 (EE), Oaklynn_3 (EE), Octopus_3 (EE), OdetoJoy_3 (EE), Otwor_3 (EE), Owens_3 (EE), PaoPu_3 (EE), Picconator_3 (EE), Picnic_3 (EE), PoRanda_3 (EE), Pondwater_3 (EE), Publix_3 (EE), Puddles3_3 (EE), PuffyCat_3 (EE), Quaker_3 (EE), Rhogar_3 (EE), Rhysand_3 (EE), Rira_3 (EE), RoscoWindex_3 (EE), Sage7_3 (EE), SantasSleigh_3 (EE), Sara_3 (EE), Scamander_3 (EE), Scrunchy_3 (EE), SeaWolves_3 (EE), Sippinontea_3 (EE), Slentz_3 (EE), Slizam_3 (EE), Snuffles_4 (EE), Stem_3 (EE), TeddyBoy_3 (EE), TimoTea_3 (EE), TinyTruffula_3 (EE), TomBrady12_3 (EE), Trackstar_3 (EE), Trireme_3 (EE), Tyrellus_3 (EE), Upsilon_3 (EE), Vanisius_3 (EE), VitulaEligans_3 (EE), Witch_3 (EE), Wolfpack_3 (EE), Yasuo_3 (EE), YertPhresh_3 (EE), Yubaba_3 (EE), Zahlia_3 (EE),

Start 108:

- Found in 76 of 1582 (4.8%) of genes in pham
- Manual Annotations of this start: 52 of 1335
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Adora_2 (CZ4), Annalisa_3 (CZ4), Attis_2 (CZ2), BaxterFox_2 (CZ3), Beenie_3 (CZ4), Bjanese7_2 (CZ2), CarolAnn_2 (CV), Clap_2 (CZ2), Clark_3 (CZ4), Cynthia_2 (CZ2), Denise_2 (CZ5), DobbysSock_2 (CZ4), Dolores_3 (CZ4), Dorito_2 (CZ4), Easley_3 (CZ4), Ebert_2 (CZ2), EdnaMode_2 (CZ2), FroggyToad_2 (CZ2), GemG_2 (CZ2), Gizermo_2 (CZ2), Haley23_2 (CZ2), Hortense_2 (CZ4), Howe_2 (CZ4), Invectra_3 (CZ4), JCole_2 (CZ2), Jalleen_2 (CZ2), Lamberg_2 (CZ2), LordFarquaad_2 (CZ2), Matteo_2 (CZ2), MichaelScott_3 (CZ4), Mocha12_2 (CZ2), Nettuno_2 (CZ2), Ohgeesy_2 (CZ), Oregano_2 (CZ4), PantheRoc_2 (CZ3), Petra_2 (CV), PhriskyACE_2 (CZ4), Pickett_2 (CZ2), Powerball_2 (CZ4), Sahara_2 (CZ2), Samman98_3 (CZ4),

Savage_2 (CZ2), Sekhmet_3 (CZ4), Shlim410_2 (CZ4), Sidious_2 (CZ7), SoilAssassin_2 (CZ2), Sproutie_2 (CZ2), Suerte_2 (CZ4), Thimann_3 (CZ4), TuertoX_2 (CZ2), Tuti_4 (CZ4), Twinkle_2 (CZ4), Vasanti_2 (CZ2), Whiteclaw_2 (CZ2), WinkNick_3 (CZ4), Yeet412_2 (CZ2), Yeezy_2 (CZ3),

Start 109:

- Found in 7 of 1582 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1335
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Aoka_3 (FO), EvenBluerMoon_3 (FO), Hereford_6 (FO), JanetJ_3 (FO), Maja_2 (FO), PrairieDogTown_3 (FO),

Start 110:

- Found in 13 of 1582 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 1335
- Called 46.2% of time when present
- Phage (with cluster) where this start called: DinoDaryn_9 (CU1), Goib_8 (CU1), Huffy_9 (CU1), Splinter_7 (CU1), TZGordon_9 (CU1), Vendetta_7 (CU1),

Start 112:

- Found in 49 of 1582 (3.1%) of genes in pham
- Manual Annotations of this start: 46 of 1335
- Called 98.0% of time when present
- Phage (with cluster) where this start called: Arby_4 (AN), Azathoth_4 (AN), Blair_4 (AN), CGermain_4 (AN), Chestnut_4 (AN), CocoCinnamon_5 (FO), Copper_4 (AN), Courtney3_4 (AN), Decurro_4 (AN), Dewayne_4 (AN), DonkeyMan_2 (DY), ElectricPheel_5 (AN), Elkhorn_4 (AN), Guntur_4 (AN), Heinz_2 (DY), Hibiscus_2 (DY), Hunnie_4 (AN), Inspire2_4 (AN), Jessica_5 (AN), Jojo24_2 (DY), KylieMac_5 (AN), Laila_5 (AN), Link_4 (AN), Lore_4 (AN), LouisXIV_4 (AN), Maggie_4 (AN), Mariposa_4 (AN), Massimo_4 (AN), Moloch_4 (AN), Muttie_4 (AN), Penoan_4 (UNK), Prospero_4 (AN), Reyja_3 (DY), Ronnie_4 (AN), Sandman_4 (AN), Santhid_2 (DY), Saphira_4 (AN), Seume_4 (AN), Sourignavong_5 (AN), StewieGriff_4 (AN), Stratus_4 (AN), Swenson_4 (AN), Taj14_4 (AN), Tarzan_2 (DY), TinoCrisci_4 (AN), Toulouse_3 (AN), TymAbreu_4 (AN), Yank_4 (AN),

Start 113:

- Found in 144 of 1582 (9.1%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Cazares_3 (EE), Mauilvory_3 (EE), Sachet_3 (EE), Yami_3 (EE),

Start 115:

- Found in 27 of 1582 (1.7%) of genes in pham
- Manual Annotations of this start: 16 of 1335
- Called 85.2% of time when present
- Phage (with cluster) where this start called: AllBusiness_5 (FF), BigBoyz_1 (GH), Cole_4 (FF), Dirtdigger_5 (FF), Donatella_5 (FF), Elesar_5 (FF), GoodLuckBabe_6 (FF), Guinevere_6 (FF), Gusanita_4 (FF), Ichiang_4 (FF), IsHungry_6 (FF), Julie_6 (FF), Kihatsu_7 (FF), Lenoxika_6 (FF), MillySue_6 (FF), Nandita_6 (FF), Popper_4 (FF), QuinnAvery_6 (FF), Ryan_6 (FF), Schism_6 (FF), Toodles_6 (FF), Vinye_4 (AN), Zaheer_6 (FF),

Start 116:

- Found in 5 of 1582 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: BackstagePass_2 (DB),

Start 117:

- Found in 3 of 1582 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Lucky10_2 (DH),

Start 118:

- Found in 93 of 1582 (5.9%) of genes in pham
- Manual Annotations of this start: 7 of 1335
- Called 10.8% of time when present
- Phage (with cluster) where this start called: Applejacks_2 (CD), Gustav_2 (CD), Mahdia_2 (CD), MoRicky_2 (GH), Morrissey_2 (CD), Puppies_2 (CD), Smilerella_2 (GH), Trine_2 (CD), Upyo_2 (CD), Widow_2 (CD),

Start 119:

- Found in 5 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 80.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_2 (FP), CallinAllBarbz_2 (FP), GrimEater_2 (FP), Jankie_2 (FP),

Start 123:

- Found in 6 of 1582 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Dismas_3 (EB), Kieran_3 (EB),

Start 124:

- Found in 23 of 1582 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 8.7% of time when present
- Phage (with cluster) where this start called: CheeseSpider_2 (CV), JuJu_2 (CV),

Start 125:

- Found in 6 of 1582 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: BFK20_ORF2 (singleton),

Start 126:

- Found in 9 of 1582 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 1335
- Called 44.4% of time when present
- Phage (with cluster) where this start called: Adelaide_2 (EP), Bran_2 (EP), Dina_2 (EP), Stiles_2 (EP),

Start 129:

- Found in 10 of 1582 (0.6%) of genes in pham
- Manual Annotations of this start: 4 of 1335
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Lederberg_2 (EP), SamW_2 (EP), StAB_2 (EP), Troy_2 (EP),

Start 132:

- Found in 4 of 1582 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gallop_2 (ES), Spartan_2 (ES),

Start 133:

- Found in 43 of 1582 (2.7%) of genes in pham
- Manual Annotations of this start: 34 of 1335
- Called 83.7% of time when present
- Phage (with cluster) where this start called: Archis_2 (CV), Azula_2 (CV), Barco_2 (CV), Begonia_2 (CV), BlingBling_2 (CV), Blino_2 (CV), Blueberry_2 (CV), CaptainKirk2_2 (CV), Delian_2 (CV), Fenry_2 (CV), Frokostdame_2 (CV), Gambino_2 (CV), Guacamole_2 (CV), Hitter_2 (CV), Jalammah_2 (CV), JasperJr_2 (CV), KappaFarmDelta_2 (CV), Lysidious_2 (CV), Malachai_2 (CV), Melba_2 (CV), Mellie_2 (CV), MintFen_2 (CV), MissRona_2 (CV), Murp_2 (CV), Obliviate_2 (CV), PhrostedPhlake_2 (CV), Pipp_2 (CV), Samba_2 (CV), UmaThurman_2 (CV), Utz_2 (CV), Walrus_2 (CV), Wisp_2 (CV), Wocket_2 (CV), Zarbodnamra_2 (CV), ZiggyZoo_2 (CV), Zilla_2 (CV),

Start 135:

- Found in 101 of 1582 (6.4%) of genes in pham
- Manual Annotations of this start: 81 of 1335
- Called 88.1% of time when present
- Phage (with cluster) where this start called: Abigail_3 (EB), Akino08_3 (EB), Albedo_3 (EB), Albright_3 (EB), Anatole_3 (BV), AnnaLie_4 (EB), Armstrong_2 (EB), Arroyo_4 (EB), AvGardian_3 (EB), Avocadoman_3 (EB), AylexOG_4 (EB), B3_3 (BV), BAjuniper_3 (EB), BabyDaisy_4 (EB), BabyYoda_3 (EB), Bachaco_3 (EB), BelmontSKP_4 (EB), Bengal_3 (EB), Bernstein_2 (EB), Brahms_2 (EB), BubbaBear_3 (EB), Buldak_3 (EB), Burritobowl_3 (EB), Cashington_3 (EB), Celaena_3 (EB), ChiliPepper_3 (EB), Clayda5_2 (EB), CliffHanger_4 (EB), Coltrane_2 (EB), CroZenni_3 (EB), CupcakePrincess_3 (EB), DickRichards_3 (EB), Didgeridoo_4 (EB), DirtyBubble_3 (EB), Doobus_3 (EB), E1_3 (BV), Eden_2 (EB), Elva_4 (EB), Eula_3 (EB), Finalfrontier_4 (EB), FlameThrower_3 (EB), Franklin22_2 (EB), Gack_2 (EB), Icarian_4 (EB), IndyLu_3 (EB), Jabb_3 (EB), Johnathan_3 (EB), Jovita_3 (EB), Kamdara_3 (EB), Kate33_3 (EB), Katzastrophic_3 (EB), Kenzers_3 (EB), Lahqtemish_3 (EB), Lilo27_3 (EB), LimaBean_3 (EB), Loviatar_3 (EB), Lynlen_3 (EB), Milomuff_4 (EB), MsUbiquitous_3 (EB), Nicky22_4 (EB), Olliecat_3 (EB), PastaFagioli_3 (EB), Pecas_3 (EB), PhigPhack_3 (EB), Phisb_3 (EB), PondAmelia_5 (EB), QMacho_4 (EB), Quenya_4 (EB), Rollins_2 (EB), Rona_3 (EB), SanaSana_4 (EB), SansAfet_3 (EB), SarBear_3 (EB), Sharkboy_3 (EB), Shayna_2 (EB), SirBeanington_3 (EB), Skylord_2 (EB), Slay_3 (EB), Softsoap_3 (EB), Solea_4 (EB), Squircle_3 (EB), Stoor_3 (EB), Stromboli_3 (EB), SunnyD_2 (EB), Swervy_3 (EB), Teagster_2 (EB), TukTuk_3 (EB), Vitas_2 (EB), WalkingDead_3 (EB),

Start 136:

- Found in 36 of 1582 (2.3%) of genes in pham

- Manual Annotations of this start: 13 of 1335
- Called 38.9% of time when present
- Phage (with cluster) where this start called: BBQValindra_2 (DB), Bowser_2 (DB), Bunker_2 (DB), Coriander_2 (DB), DirtyBoi_2 (DB), Dmitri_2 (DB), Doggs_2 (DB), Eyes_2 (DB), GEazy_2 (DB), HannahD_2 (DB), Hedwig_2 (DB), Kiko_2 (DB), Moonflower_2 (DB), RayTheFireFly_2 (DB),

Start 138:

- Found in 2 of 1582 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PFR1_02 (BX), PFR2_02 (BX),

Start 142:

- Found in 1 of 1582 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Min1_37 (singleton),

Start 143:

- Found in 1 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_2 (singleton),

Start 145:

- Found in 24 of 1582 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 20.8% of time when present
- Phage (with cluster) where this start called: Agamotto_6 (FR), Audell_7 (FR), LastNadiia_7 (FR), TMaxx_4 (FR), TripleC_7 (FR),

Start 146:

- Found in 7 of 1582 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Mbo4_2 (singleton),

Start 148:

- Found in 13 of 1582 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 92.3% of time when present
- Phage (with cluster) where this start called: AnnabelLee_4 (FR), CardboardBox_4 (FR), ChamoyPickle_4 (FR), ChipsNGuac_4 (FR), Elfy_2 (FP), Ezurina_3 (FR), Gerri43_4 (FR), Makima_5 (FR), Mireles_4 (FR), Neuville_4 (FR), Roberts_4 (FR), Studio_4 (FR),

Start 150:

- Found in 23 of 1582 (1.5%) of genes in pham
- Manual Annotations of this start: 12 of 1335
- Called 91.3% of time when present
- Phage (with cluster) where this start called: Abidatro_3 (AS1), Amanises_4 (AS1), Chickaboom_2 (AS1), Chicken_3 (AS1), Eesa_3 (AS1), Galaxy_3 (AS1), Gravel_4

(AS1), Jamun_3 (AS1), KendraB23_4 (AS1), MooKitty_3 (AX), Niblet_3 (AS1), Orcanus_3 (AS1), Pelletreau_4 (AS1), Ruchi_3 (AS1), Shen_4 (AS1), TaylorSipht_3 (AS1), Toad24_4 (AS1), Vulpecula_3 (AS1), Westrich_4 (AS1), WileyE_2 (AS1), Zixiang_3 (AS1),

Start 151:

- Found in 107 of 1582 (6.8%) of genes in pham
- Manual Annotations of this start: 89 of 1335
- Called 91.6% of time when present
- Phage (with cluster) where this start called: Alexphander_3 (F1), Aloeri_3 (F1), Asapag_3 (DN1), Avani_3 (F2), Awesomesauce_3 (F1), BENtherdunthat_3 (DN1), Beakin_3 (F1), Beanstalk_3 (F1), BigPhil_3 (F1), Blarby_4 (F), Bobi_3 (F1), BotCity_3 (DN), Brookers_3 (F1), Brushbloom_3 (F1), Budski_3 (DN), BuzzLyseyear_3 (F1), Cerasum_3 (F1), Che9d_3 (F2), CheeseTouch_3 (DN1), ChickenDinner_3 (F1), Coco12_3 (F1), Cornucopia_3 (F1), DaWorst_3 (F1), Demsculpinboyz_3 (F2), DirtMcgirt_3 (F1), DocMcStuffsins_3 (F1), DosHalletts_3 (F1), Ecliptus_3 (DN), Emmaloid_3 (F1), Enby_3 (F1), Fairfaxidum_2 (CV), Flathead_3 (F1), Frankie_3 (F1), Frickyeah_3 (DN1), Getalong_3 (DN1), Girafales_3 (F1), Hegedechwinu_3 (F1), Holliday_3 (DN1), Horus_3 (DN1), Jabbawokkie_4 (F2), JalFarm20_3 (F1), Job42_3 (F1), Kamaru_3 (DN1), Kenna_3 (DN1), Kimberlium_3 (F1), Kingsley_3 (F1), Leozinho_3 (F1), Leroy_3 (DN1), LitninMcQueen_3 (DN1), LordVader_3 (F), Lorde_3 (F1), Lutum_3 (DN1), Madiba_3 (F1), Malisha_3 (DN), Marker_3 (F1), Misha28_3 (F1), Mova_3 (F1), Mozy_3 (F1), MulchExplorer_3 (F1), ODay_3 (DN), Ogopogo_4 (F1), PCora17_2 (CV), PensacolaC28_1 (singleton), Peridot_3 (F1), Periwinkle_3 (DN1), Phabuloso_3 (DN1), Phistory_3 (DN1), Piper2020_3 (F1), Plumbus_3 (F1), Pollywog_3 (F1), PrincePatrick_2 (CV), Quico_3 (F1), Ramsey_3 (F1), Rialto_3 (F1), RockyHorror_3 (F1), Sarma624_3 (F1), Seagreen_3 (F1), ShawBrad_3 (DN1), SilverChicken_3 (F2), SimranZ1_3 (F1), Slim_3 (F1), Soul22_3 (F2), Spikelee_3 (F1), Spooky_3 (DN2), Squiddly_4 (DN2), Squirty_3 (F3), Stap_3 (F1), Starceovich_3 (F1), Tchotchke_3 (F1), Toast_2 (CV), TootsiePop_3 (F1), Tootsieroll_3 (F1), Totinger_3 (F1), Velveteen_3 (F1), Whitney_3 (DN1), William_2 (CV), Yoshi_3 (F2), Zapner_4 (F2),

Start 152:

- Found in 7 of 1582 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 57.1% of time when present
- Phage (with cluster) where this start called: CurlyFries_9 (CF), Madraxi_10 (CF), RegnumDei_6 (CF), Shagrat_8 (CF),

Start 153:

- Found in 159 of 1582 (10.1%) of genes in pham
- Manual Annotations of this start: 11 of 1335
- Called 8.2% of time when present
- Phage (with cluster) where this start called: Alatato_2 (FB), B22_3 (BW), BrayBeast_2 (FB), Doucette_3 (BW), E6_3 (BW), G4_3 (BW), Gibbzilla_2 (FB), Moosehead_2 (CZ6), OneDirection_2 (CZ6), Pinnie_3 (G3), REQ2_02 (singleton), TBond007_7 (K3), Yuna_8 (K6),

Start 155:

- Found in 22 of 1582 (1.4%) of genes in pham
- Manual Annotations of this start: 6 of 1335
- Called 36.4% of time when present

- Phage (with cluster) where this start called: Adaia_3 (AX), ArchiDore_2 (DW), DumpsterDude_2 (DW), MakCheese_2 (DW), Malibo_2 (DW), Ruthy_2 (DW), Sprinklemunch_2 (DW), Zodiariah_2 (DW),

Start 156:

- Found in 4 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Jflix2_8 (CF), REQ1_66 (CF), SFuller_9 (CF),

Start 157:

- Found in 82 of 1582 (5.2%) of genes in pham
- Manual Annotations of this start: 40 of 1335
- Called 63.4% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_2 (BU), ATCC29399BT_2 (BU), Aquarius_2 (BU), Attacne_2 (BU), BruceLethal_2 (BU), Cota_2 (BU), DrParker_2 (BU), Enochoraptor_2 (BU), Enoki_2 (BU), Keiki_2 (BU), Kubed_2 (BU), Lauchelly_2 (BU), Leviosa_2 (BU), LilBandit_2 (BU), MEAK_2 (BU), Moyashi_2 (BU), MrAK_2 (BU), Ouroboros_2 (BU), P1.1_2 (BU), P100.1_2 (BU), P100A_2 (BU), P100D_2 (BU), P101A_2 (BU), P104A_2 (BU), P105_2 (BU), P106A_2 (BU), P107A_2 (BU), P107C_2 (BU), P108C_2 (BU), P14.4_2 (BU), P9.1_2 (BU), PA6_2 (BU), PAD20_2 (BU), PAS50_2 (BU), PHL010M04_02 (BU), PHL037M02_02 (BU), PHL060L00_02 (BU), PHL067M10_02 (BU), PHL071N05_02 (BU), PHL111M01_02 (BU), PHL112N00_02 (BU), PHL113M01_02 (BU), PHL114L00_02 (BU), Pirate_2 (BU), Procrass1_2 (BU), QueenBey_2 (BU), Rileysaurus_2 (BU), SKKY_2 (BU), Solid_2 (BU), Stormborn_2 (BU), Supernova_2 (BU), Wizzo_2 (BU),

Start 158:

- Found in 24 of 1582 (1.5%) of genes in pham
- Manual Annotations of this start: 9 of 1335
- Called 45.8% of time when present
- Phage (with cluster) where this start called: Kudfre_12 (DU1), Kuleana_3 (AS2), LilJank_12 (DU2), Neville_12 (DU2), Octobien14_13 (DU1), Rabbitrun_14 (DU2), Sbash_2 (I2), Sephiroth_13 (DU1), Stuck_2 (I2), Syleon_13 (DU1), Trax_12 (DU2),

Start 160:

- Found in 52 of 1582 (3.3%) of genes in pham
- Manual Annotations of this start: 25 of 1335
- Called 51.9% of time when present
- Phage (with cluster) where this start called: Aggie_2 (N), Andies_2 (N), Bosection6_2 (N), Chewbacca_2 (N), Cubone_1 (N), EGUnicorn_2 (N), Fulbright_2 (N), Impisi_2 (N), Jamie19_2 (N), Kevin1_2 (N), Nенаe_2 (N), Panchino_2 (N), Parmesanjohn_2 (N), PhancyPhin_2 (N), Philonius_2 (N), Phrann_2 (N), Pipsqueaks_2 (N), Raymond7_2 (N), Rebel_2 (N), Rubeelu_2 (N), Schnauzer_2 (N), Silvafighter_2 (N), SkinnyPete_2 (N), SpongeBob_2 (N), Tortoise12_2 (N), Xeno_2 (N), Xerxes_2 (N),

Start 162:

- Found in 195 of 1582 (12.3%) of genes in pham
- Manual Annotations of this start: 165 of 1335
- Called 91.8% of time when present

- Phage (with cluster) where this start called: ActinUp_8 (K1), Adephagia_8 (K1), Adonis_8 (K1), Ageofdapage_8 (K1), AlishaPH_8 (K1), Amelie_4 (K1), Amgine_6 (K6), Aminay_6 (K7), Amohnition_7 (K6), Anaya_9 (K1), Angelica_8 (K1), Anma_8 (K1), Apocalypse_8 (K1), Applecrisp_6 (K6), Asayake_8 (K1), Atiba_8 (K1), BEEST_8 (K1), BGlluviae_8 (K1), BaghaKamala_8 (K1), BarrelRoll_8 (K1), Beezoo_8 (K1), Bella96_8 (K1), Belladonna_8 (K1), Bern_8 (K1), Binglebops_4 (K1), Blizzard_8 (K1), Boiiii_8 (K1), Boilgate_5 (K8), BoostSeason_4 (K2), Bryler_7 (K6), CREW_8 (K1), Cain_7 (K6), CallaLilly_8 (K1), Capricorn_8 (K1), CaseJules_8 (K1), Chancellor_9 (K4), Chavito_8 (K1), CheetoDust_8 (K1), Cheetobro_9 (K4), Chris_7 (K1), Clipper_8 (K1), CrimD_8 (K1), Curiosium_9 (K1), Dalmuri_8 (K1), DartGoblin_8 (K1), DarthP_7 (K6), Dartin_8 (K1), Deby_8 (K1), Devera_8 (K1), DismalFunk_4 (K2), DismalStressor_4 (K2), Dole_8 (K1), Doughnut_4 (K2), DrHayes_8 (K1), Durfee_8 (K1), Efra2_8 (K1), Ekdilam_5 (K6), Ellie_5 (K6), Emerson_8 (K1), Enkosi_4 (K1), Eponine_9 (K4), Fefferhead_7 (K6), Findley_4 (K2), Fionnbharth_9 (K4), Ganymede_8 (K1), Geraldini_8 (K1), Guanica15_8 (K1), Hammy_7 (K6), HedwigODU_8 (K1), Homura_8 (K1), Hurricane_7 (K3), Hyperbowlee_8 (K1), Illumine_8 (K1), Inky_8 (K1), JAWS_8 (K1), JF1_9 (K4), Jarvi_8 (K1), Jayhawk_8 (K1), Jeckyll_8 (K1), Joy99_8 (K1), Keshu_7 (K3), KiSi_7 (K1), Kraw_9 (K4), Krueger_7 (K6), LastHope_8 (K1), LaterM_8 (K1), Lavahound_6 (K6), LeMond_7 (K1), Lea83_7 (K3), Lebo14_9 (K4), LilPharaoh_4 (K1), LindNT_8 (K1), Llorens_8 (K1), Lunahalos_8 (K1), MacKat_8 (K1), MacnCheese_8 (K3), Malthus_9 (K4), Marcoliusprime_4 (K2), MarkPhew_7 (K1), McMater_8 (K1), Mdavu_4 (K1), MeaningOfLife_8 (K1), Megsy_8 (K1), Milly_4 (K2), Mitti_9 (K4), MooMoo_2 (singleton), Mufasa_4 (K2), Murucutumbu_8 (K1), Mynx_8 (K1), Nibb_7 (K1), Nikao_4 (K1), Niklas_8 (K1), November_6 (K6), Nutello_4 (K1), Oscar_7 (K1), Padfoot_8 (K1), Padpat_8 (K1), Peanam_8 (K1), Peel_8 (K1), Pharb_7 (K3), PhelpsODU_7 (K6), Phrank_7 (K6), Piatt_8 (K1), Pisa1_7 (K1), Pisa4_7 (K1), Pixie_7 (K3), Pokerus_7 (K1), Prithvi_8 (K1), QuincyRose_7 (K1), Ramen_8 (K1), Rapunzel97_8 (K1), Richo_8 (K1), Rosmarinus_8 (K1), Ruthiejr_8 (K4), SamuelLPlaqson_8 (K1), Scarlett_7 (K1), SgtBeansprout_4 (K1), Shadow1_6 (K6), Shaobing_8 (K1), ShedlockHolmes_7 (K3), ShiaSurprise_8 (K1), SirPhilip_7 (K6), Slarp_9 (K4), Slimphazie_8 (K1), Spock_8 (K1), Stinson_8 (K1), Strobilo_4 (K2), Sulley_8 (K1), Sunflower1121_6 (K6), Syra333_7 (K6), TClif_7 (K6), TM4_4 (K2), Tachez_8 (K1), TaiwanKao_8 (K1), Taquito_7 (K4), Teejan_4 (K1), Tierra_7 (K6), Tigress9_7 (K6), TingHuaYa_8 (K1), TiniBug_8 (K1), Tiri_8 (K1), Topper_8 (K1), Torres_4 (K1), TreyKay_8 (K1), TribbleTrouble_6 (K3), Trice_4 (K1), TruffulaTree_8 (K1), Twitch_8 (K1), Unicorn_7 (K6), Urkel_8 (K1), Validus_8 (K1), Veliki_8 (K1), Wintermute_9 (K4), Ximenita_8 (K6), YoureAdopted_7 (K1), Yunkel11_8 (K1), Zabiza_8 (K1), Zavala_8 (K1), ZoeJ_4 (K2),

Start 164:

- Found in 73 of 1582 (4.6%) of genes in pham
- Manual Annotations of this start: 29 of 1335
- Called 49.3% of time when present
- Phage (with cluster) where this start called: ArV2_02 (singleton), Bauer_4 (FN), BellaJr_4 (FN), BlackSpider_2 (FN), Butters_2 (N), Carcharodon_2 (N), Cassini_2 (FN), Charlie_2 (N), Duplicity_2 (N), Emperor_2 (DM), GMA5_2 (CW2), GRU3_2 (CW2), Gex_2 (N), Hanako_2 (N), Jeanie_2 (CW1), Journey_2 (N), Magsby_2 (N), McGonagall_2 (CW1), Melville_2 (N), MichelleMyBell_2 (N), Phloss_2 (N), Purgamenstris_2 (N), Rahul_2 (CW2), Redi_2 (N), SallySpecial_2 (DM), Scitech_2 (N), ShrimpFriedEgg_2 (N), Shweta_2 (N), Silvy_2 (N), Smurph_2 (N), Snekmaggedon_2 (N), Spartoi_2 (singleton), Spinach_2 (N), Tapioca_2 (N), Tessdabest_1 (N), Zucker_3 (FN),

Start 165:

- Found in 1 of 1582 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Eyre_2 (singleton),

Start 167:

- Found in 40 of 1582 (2.5%) of genes in pham
- Manual Annotations of this start: 21 of 1335
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Ariel_9 (J), Bobby_11 (J), BronnyJames_6 (J), Courthouse_10 (J), Gonephishing_10 (J), Hannaconda_7 (J), IdentityCrisis_2 (AJ), KashFlow_4 (J), Klein_10 (J), Kumotta_3 (FB), Lucky2013_10 (J), MiaZeal_10 (J), Nekros_8 (J), Nibley_6 (J), P104B_2 (BU), P106C_2 (BU), P106I_2 (BU), P106L_2 (BU), P106M_2 (BU), P3MA_3 (singleton), Porcelain_10 (J), Rearden_7 (J), Rooter_3 (FB), Shaboozey_6 (J), Shoya_2 (FB), Squint_10 (J), Superphikiman_10 (J), Wanda_10 (J),

Start 168:

- Found in 29 of 1582 (1.8%) of genes in pham
- Manual Annotations of this start: 24 of 1335
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Agent47_6 (K5), AlleyCat_6 (K5), BananenDer11_6 (K5), Che9c_2 (I2), Collard_6 (K5), Dadosky_6 (K5), DoubleChamp_6 (K5), Edugator_5 (K5), Feyre_6 (K5), Gengar_6 (K5), Guillsminger_6 (K5), Heftyboy_6 (K5), InvictusManeo_6 (K5), Kratio_5 (K5), Larva_6 (K5), Leston_6 (K5), LilDirt_5 (K5), Miryou_6 (K5), OkiRoe_6 (K5), Omnicron_6 (K5), Paola_6 (K5), Psycho_6 (K5), Rando14_6 (K5), SoSeph_6 (K5), Thyatira_6 (K5), ViviJ_5 (K5), Waterfoul_6 (K5),

Start 170:

- Found in 77 of 1582 (4.9%) of genes in pham
- Manual Annotations of this start: 43 of 1335
- Called 68.8% of time when present
- Phage (with cluster) where this start called: AizenPogi_2 (G1), Angel_2 (G1), Annihilator_2 (G1), Aroostook_2 (G1), Avrafan_2 (G1), AzulaCat_2 (G1), BPs_2 (G1), BQuat_2 (G1), Barkley26_2 (G1), BruceB_2 (G1), Cambiare_3 (G2), CassieYates_2 (G1), Cedasite_2 (G1), Chance64_2 (G1), Cherrybomb426_2 (G1), Coleslaw_2 (G1), Crespo_2 (G1), DingDing_2 (G1), ECartman_2 (G1), GoldenAsh_2 (G1), Gomashi_2 (G1), Grizzly_2 (G1), Halo_2 (G1), Hope_2 (G1), Hotshotbaby7_2 (G1), Jane_2 (G1), Jeilious_2 (G), Jolene_2 (G1), Jonghyun_2 (G1), JorRay_2 (G1), Kareem_2 (G1), Kasen3_2 (G1), Liefie_2 (G1), LouisV14_2 (G1), MZKinsey_2 (G1), Maliketh_2 (G1), Neoh_2 (G), OctaviousRex_2 (G1), Olga_2 (G1), Peeb_2 (G1), Periodt_2 (G1), Phish_2 (G1), Phloodle_2 (G1), Phreak_2 (G1), Rabbs_2 (G1), Renaissance_2 (G1), Richarlison_2 (G1), Ruriko_2 (G1), Sneeze_2 (G1), Taheera_2 (G1), Terror_2 (G1), Wendigo_2 (G1), ZoMa_2 (G1),

Start 172:

- Found in 72 of 1582 (4.6%) of genes in pham
- Manual Annotations of this start: 3 of 1335
- Called 4.2% of time when present

- Phage (with cluster) where this start called: ShaboiShabazz_2 (G1), Sweets_2 (G1), TomBrady_2 (G1),

Start 175:

- Found in 50 of 1582 (3.2%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 2.0% of time when present
- Phage (with cluster) where this start called: BabeRuth_2 (N),

Start 177:

- Found in 4 of 1582 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Piku_1 (FE),

Start 181:

- Found in 52 of 1582 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 1.9% of time when present
- Phage (with cluster) where this start called: Faith5x5_2 (CZ6),

Start 182:

- Found in 7 of 1582 (0.4%) of genes in pham
- Manual Annotations of this start: 6 of 1335
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Fryberger_34 (DP), Guey18_39 (DP), Keelan_32 (DP), Ronaldo_37 (DP), Volt_36 (DP), Ziko_37 (DP),

Start 187:

- Found in 14 of 1582 (0.9%) of genes in pham
- Manual Annotations of this start: 6 of 1335
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JeanClaude_2 (FB), MargaretKali_3 (FB), Marshawn_9 (K6), Morkie_2 (DH), PhorbesPhlower_2 (DH), Pitbull_2 (FQ), Sarge_2 (FB),

Start 189:

- Found in 80 of 1582 (5.1%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Lton_2 (CZ),

Start 196:

- Found in 3 of 1582 (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: Ball_2 (singleton),

Start 198:

- Found in 69 of 1582 (4.4%) of genes in pham
- No Manual Annotations of this start.
- Called 1.4% of time when present
- Phage (with cluster) where this start called: Neighly_6 (K3),

Start 208:

- Found in 9 of 1582 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 1335
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Coeur_2 (CW2), Schiebs_2 (CW3),

Start 211:

- Found in 255 of 1582 (16.1%) of genes in pham
- Manual Annotations of this start: 3 of 1335
- Called 1.6% of time when present
- Phage (with cluster) where this start called: AustinPowers_2 (AK), Paito_2 (G1), PinkFriday_2 (AK), WST1_2 (AJ),

Start 213:

- Found in 106 of 1582 (6.7%) of genes in pham
- Manual Annotations of this start: 10 of 1335
- Called 14.2% of time when present
- Phage (with cluster) where this start called: Amelia_4 (AS2), Bedetta_4 (AS2), Bibble12_4 (AS2), Colusalem_3 (AS2), Cote_4 (AS2), Daob_4 (AS2), Dirtfootball_2 (DM), HannahPhantana_4 (AS2), Jerole_4 (AS2), Kepler_3 (AS2), Lakshmi_5 (AK), Misaeng_5 (AK), OtsoOtso_3 (AS2), PhirstandPhine_4 (AS2), Pineda_4 (AS2),

Start 218:

- Found in 60 of 1582 (3.8%) of genes in pham
- No Manual Annotations of this start.
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Graynor_5 (AK), MrBoss_5 (AK),

Start 224:

- Found in 90 of 1582 (5.7%) of genes in pham
- Manual Annotations of this start: 1 of 1335
- Called 3.3% of time when present
- Phage (with cluster) where this start called: EpicDab_2 (DM), RRH1_02 (singleton), Raqqa_3 (AY),

Start 225:

- Found in 319 of 1582 (20.2%) of genes in pham
- Manual Annotations of this start: 18 of 1335
- Called 7.2% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_3 (AY), Bobquesha_9 (K4), Boomer_3 (F1), DanSyl44_9 (K4), Drago_3 (F1), Juice456_3 (F1), Juliette_9 (K4), LittleShirley_3 (F1), Lucia_3 (F1), MissDaisy_9 (K4), MrSmee_2 (FQ), Oksu_3 (F1), OmniCritical_9 (K4), OwlsT2W_3 (F1), Patt_9 (K4), Qhanda_9 (K4), Reptar3000_9 (K4), SamScheppers_7 (K4), Skitty_2 (FQ), UncleRicky_3 (F1), Y10_09 (K4), Y2_09 (K4), YasnayaPolyana_9 (K4),

Start 229:

- Found in 188 of 1582 (11.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Doomslug_3 (F),

Start 234:

- Found in 100 of 1582 (6.3%) of genes in pham
- Manual Annotations of this start: 4 of 1335
- Called 4.0% of time when present
- Phage (with cluster) where this start called: BrotherBLo_5 (AK), Jumboset_5 (AK), Kalizoi_5 (AK), Scuttle_5 (AK),

Start 235:

- Found in 52 of 1582 (3.3%) of genes in pham
- Manual Annotations of this start: 15 of 1335
- Called 28.8% of time when present
- Phage (with cluster) where this start called: Ayotoya_6 (DI), BetterKatz_6 (DI), Bock_6 (DI), Brylie_6 (DI), Chop_6 (DI), DelRio_6 (DI), Francois_6 (DI), GrandSlam_6 (DI), Hamood_6 (DI), Mulch_6 (DI), Nadeem_6 (DI), NancyRae_6 (DI), Parada_6 (DI), Pimento_6 (DI), WheatThin_6 (DI),

Start 321:

- Found in 196 of 1582 (12.4%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Pigu_3 (FB),

Start 330:

- Found in 558 of 1582 (35.3%) of genes in pham
- No Manual Annotations of this start.
- Called 0.2% of time when present
- Phage (with cluster) where this start called: Merpity_3 (FQ),

Summary by clusters:

There are 101 clusters represented in this pham: I2, FR, BU, BV, BW, BX, JC, G5, G4, G3, G2, G1, GH, K2, FB, FE, FF, CZ2, CZ3, CZ6, CZ7, CZ4, CZ5, M1, M3, M2, P4, P2, P3, P1, P6, G, P5, EE, O, EB, EP, ES, ER, FP, FQ, singleton, FS, K3, AY, K1, K7, K6, K5, K4, K8, FN, FO, CU5, CU4, CU3, CU2, CU1, DN1, DN2, DU1, DU2, AS3, AS2, AS1, F, J, CF, N, CZ, V, Z, CV, F1, F2, F3, DN, DM, DH, DI, UNK, DB, DA, DY, DW, DP, CW1, CW3, CW2, AH, AK, AJ, AN, Q, L4, L2, L3, L1, Y, AX, CD,

Info for manual annotations of cluster AH:

- Start number 39 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AJ:

- Start number 167 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster AK:

- Start number 79 was manually annotated 76 times for cluster AK.
- Start number 211 was manually annotated 2 times for cluster AK.
- Start number 213 was manually annotated 2 times for cluster AK.
- Start number 234 was manually annotated 4 times for cluster AK.

Info for manual annotations of cluster AN:

- Start number 92 was manually annotated 1 time for cluster AN.
- Start number 101 was manually annotated 2 times for cluster AN.
- Start number 112 was manually annotated 38 times for cluster AN.

Info for manual annotations of cluster AS1:

- Start number 84 was manually annotated 2 times for cluster AS1.
- Start number 150 was manually annotated 11 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 84 was manually annotated 8 times for cluster AS2.
- Start number 158 was manually annotated 1 time for cluster AS2.
- Start number 213 was manually annotated 8 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 84 was manually annotated 2 times for cluster AS3.
- Start number 95 was manually annotated 12 times for cluster AS3.

Info for manual annotations of cluster AX:

- Start number 106 was manually annotated 2 times for cluster AX.
- Start number 150 was manually annotated 1 time for cluster AX.
- Start number 155 was manually annotated 1 time for cluster AX.

Info for manual annotations of cluster AY:

- Start number 225 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BU:

- Start number 157 was manually annotated 40 times for cluster BU.
- Start number 167 was manually annotated 5 times for cluster BU.

Info for manual annotations of cluster BV:

- Start number 135 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:

- Start number 153 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CD:

- Start number 118 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CF:

- Start number 152 was manually annotated 2 times for cluster CF.
- Start number 156 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CU1:

- Start number 50 was manually annotated 2 times for cluster CU1.
- Start number 110 was manually annotated 6 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 50 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 65 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 69 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 108 was manually annotated 2 times for cluster CV.
- Start number 124 was manually annotated 1 time for cluster CV.
- Start number 133 was manually annotated 34 times for cluster CV.
- Start number 151 was manually annotated 5 times for cluster CV.

Info for manual annotations of cluster CW1:

- Start number 164 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:

- Start number 164 was manually annotated 1 time for cluster CW2.
- Start number 208 was manually annotated 1 time for cluster CW2.

Info for manual annotations of cluster CW3:

- Start number 208 was manually annotated 1 time for cluster CW3.

Info for manual annotations of cluster CZ:

- Start number 108 was manually annotated 1 time for cluster CZ.
- Start number 189 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 108 was manually annotated 23 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 108 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 108 was manually annotated 21 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 108 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 153 was manually annotated 2 times for cluster CZ6.
- Start number 181 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 108 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DA:

- Start number 19 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 94 was manually annotated 4 times for cluster DB.
- Start number 136 was manually annotated 13 times for cluster DB.

Info for manual annotations of cluster DH:

- Start number 117 was manually annotated 1 time for cluster DH.
- Start number 187 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 235 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DM:

- Start number 164 was manually annotated 2 times for cluster DM.
- Start number 224 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster DN:

- Start number 151 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 151 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 151 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DP:

- Start number 182 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:

- Start number 158 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 158 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:

- Start number 155 was manually annotated 5 times for cluster DW.

Info for manual annotations of cluster DY:

- Start number 112 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster EB:

- Start number 123 was manually annotated 2 times for cluster EB.
- Start number 135 was manually annotated 78 times for cluster EB.

Info for manual annotations of cluster EE:

- Start number 107 was manually annotated 135 times for cluster EE.
- Start number 113 was manually annotated 2 times for cluster EE.

Info for manual annotations of cluster EP:

- Start number 126 was manually annotated 4 times for cluster EP.
- Start number 129 was manually annotated 4 times for cluster EP.

Info for manual annotations of cluster ER:

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

Info for manual annotations of cluster F1:

- Start number 151 was manually annotated 53 times for cluster F1.
- Start number 225 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 151 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 151 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FB:

- Start number 153 was manually annotated 2 times for cluster FB.
- Start number 167 was manually annotated 2 times for cluster FB.
- Start number 187 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FE:

- Start number 34 was manually annotated 1 time for cluster FE.
- Start number 49 was manually annotated 4 times for cluster FE.
- Start number 63 was manually annotated 1 time for cluster FE.
- Start number 89 was manually annotated 1 time for cluster FE.
- Start number 91 was manually annotated 3 times for cluster FE.
- Start number 177 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster FF:

- Start number 95 was manually annotated 1 time for cluster FF.
- Start number 115 was manually annotated 16 times for cluster FF.

Info for manual annotations of cluster FN:

- Start number 164 was manually annotated 3 times for cluster FN.

Info for manual annotations of cluster FO:

- Start number 109 was manually annotated 5 times for cluster FO.
- Start number 112 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster FP:

- Start number 119 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FQ:

- Start number 187 was manually annotated 1 time for cluster FQ.
- Start number 225 was manually annotated 2 times for cluster FQ.

Info for manual annotations of cluster FR:

- Start number 145 was manually annotated 1 time for cluster FR.
- Start number 148 was manually annotated 1 time for cluster FR.

Info for manual annotations of cluster FS:

- Start number 104 was manually annotated 1 time for cluster FS.

Info for manual annotations of cluster G1:

- Start number 74 was manually annotated 16 times for cluster G1.
- Start number 170 was manually annotated 42 times for cluster G1.
- Start number 172 was manually annotated 3 times for cluster G1.
- Start number 211 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G2:

- Start number 47 was manually annotated 1 time for cluster G2.
- Start number 74 was manually annotated 1 time for cluster G2.
- Start number 170 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 74 was manually annotated 1 time for cluster G3.
- Start number 153 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:

- Start number 74 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 74 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster I2:

- Start number 158 was manually annotated 1 time for cluster I2.
- Start number 168 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:

- Start number 167 was manually annotated 12 times for cluster J.

Info for manual annotations of cluster JC:

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

Info for manual annotations of cluster K1:

- Start number 162 was manually annotated 108 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 162 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 153 was manually annotated 1 time for cluster K3.
- Start number 162 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 162 was manually annotated 13 times for cluster K4.
- Start number 225 was manually annotated 9 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 168 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 153 was manually annotated 1 time for cluster K6.
- Start number 162 was manually annotated 22 times for cluster K6.
- Start number 187 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:

- Start number 162 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 162 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 79 was manually annotated 13 times for cluster L1.
- Start number 82 was manually annotated 6 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 79 was manually annotated 31 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 79 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 79 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster M1:

- Start number 102 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 102 was manually annotated 5 times for cluster M2.
- Start number 104 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:

- Start number 102 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 160 was manually annotated 25 times for cluster N.
- Start number 164 was manually annotated 20 times for cluster N.
- Start number 175 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster O:

- Start number 73 was manually annotated 17 times for cluster O.
- Start number 76 was manually annotated 13 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 56 was manually annotated 43 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 56 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 56 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 56 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 56 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 56 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 73 was manually annotated 20 times for cluster Q.
- Start number 101 was manually annotated 3 times for cluster Q.

Info for manual annotations of cluster V:

- Start number 88 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster Y:

- Start number 73 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

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

Gene Information:

Gene: 32HC_3 Start: 878, Stop: 2545, Start Num: 85

Candidate Starts for 32HC_3:

(66, 851), (77, 866), (Start: 85 @878 has 1 MA's), (239, 1085), (299, 1238), (302, 1244), (408, 1460), (410, 1472), (458, 1631), (478, 1676), (493, 1694), (530, 1781), (540, 1802), (551, 1823), (578, 1868), (616, 1931), (639, 1958), (737, 2120), (743, 2129), (779, 2192), (789, 2207), (825, 2252), (849, 2276), (908, 2378), (960, 2447),

Gene: ATCC29399BC_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for ATCC29399BC_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: ATCC29399BT_2 Start: 385, Stop: 1896, Start Num: 157

Candidate Starts for ATCC29399BT_2:

(Start: 157 @385 has 40 MA's), (186, 442), (207, 469), (217, 487), (238, 514), (240, 517), (278, 565), (283, 574), (285, 580), (294, 619), (296, 625), (315, 658), (321, 676), (329, 700), (330, 706), (347, 745), (350, 754), (352, 757), (372, 796), (374, 799), (404, 868), (416, 913), (417, 916), (422, 937), (426, 952), (428, 961), (430, 973), (442, 1012), (451, 1033), (457, 1048), (458, 1051), (460, 1054), (469, 1075), (513, 1141), (570, 1213), (579, 1234), (617, 1294), (620, 1300), (652, 1342), (664, 1363), (679, 1405), (725, 1483), (730, 1492), (741, 1504), (749, 1510), (764, 1537), (774, 1558), (775, 1561), (790, 1576), (816, 1606), (817, 1609), (843, 1633), (855, 1654), (874, 1678), (891, 1711), (893, 1714), (900, 1726), (917, 1738), (967, 1804), (974, 1813), (977, 1819), (984, 1828), (1023, 1882), (1028, 1888),

Gene: AbbyDaisy_3 Start: 789, Stop: 2126, Start Num: 225

Candidate Starts for AbbyDaisy_3:

(Start: 155 @669 has 6 MA's), (Start: 224 @786 has 1 MA's), (Start: 225 @789 has 18 MA's), (251, 837), (281, 882), (310, 966), (315, 972), (330, 1023), (335, 1032), (426, 1218), (428, 1227), (429, 1230), (442, 1269), (443, 1272), (469, 1335), (543, 1410), (574, 1467), (672, 1638), (677, 1653), (711, 1713), (717, 1722), (728, 1743), (784, 1821), (789, 1830), (825, 1875), (834, 1887), (849, 1902), (869, 1932), (892, 1953), (969, 2058),

Gene: Abidatro_3 Start: 758, Stop: 2338, Start Num: 150

Candidate Starts for Abidatro_3:

(Start: 84 @692 has 12 MA's), (Start: 150 @758 has 12 MA's), (Start: 213 @854 has 10 MA's), (218, 863), (275, 944), (294, 995), (299, 1010), (310, 1034), (321, 1055), (331, 1088), (401, 1193), (419, 1256), (431, 1307), (435, 1319), (438, 1331), (457, 1388), (482, 1448), (498, 1487), (501, 1496), (536,

1550), (664, 1766), (669, 1778), (686, 1817), (705, 1844), (715, 1859), (732, 1889), (768, 1928), (772, 1937), (775, 1946), (840, 2036), (857, 2063), (934, 2177), (985, 2246),

Gene: Abigail_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for Abigail_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (335, 1037), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: Acquire49_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Acquire49_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: ActinUp_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for ActinUp_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Adaia_3 Start: 651, Stop: 2057, Start Num: 155

Candidate Starts for Adaia_3:

(Start: 155 @651 has 6 MA's), (Start: 181 @693 has 1 MA's), (215, 744), (Start: 224 @759 has 1 MA's), (283, 843), (291, 879), (294, 888), (295, 891), (302, 909), (349, 1017), (374, 1056), (416, 1128), (417, 1131), (428, 1176), (436, 1209), (444, 1233), (446, 1242), (455, 1266), (596, 1473), (632, 1533), (706, 1650), (803, 1797), (845, 1836), (847, 1839), (893, 1893), (919, 1917), (947, 1929), (976, 1974), (1031, 2043),

Gene: Adelaide_2 Start: 371, Stop: 1957, Start Num: 126

Candidate Starts for Adelaide_2:

(Start: 126 @371 has 4 MA's), (Start: 129 @374 has 4 MA's), (Start: 135 @380 has 81 MA's), (246, 551), (275, 629), (284, 638), (348, 812), (413, 914), (415, 920), (418, 929), (419, 938), (434, 998), (448, 1046), (449, 1049), (512, 1112), (561, 1205), (594, 1271), (690, 1427), (701, 1445), (733, 1490), (758, 1532), (781, 1568), (790, 1583), (811, 1610), (813, 1613), (821, 1628), (841, 1661), (852, 1676), (879, 1724), (922, 1772), (973, 1847), (1029, 1922), (1046, 1946),

Gene: Adephagia_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for Adephagia_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Adonis_8 Start: 1604, Stop: 3025, Start Num: 162

Candidate Starts for Adonis_8:

(Start: 85 @1532 has 1 MA's), (Start: 153 @1592 has 11 MA's), (Start: 162 @1604 has 165 MA's), (Start: 225 @1715 has 18 MA's), (229, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (330, 1943), (356, 1985), (361, 1991), (383, 2018), (386, 2021), (426, 2138), (428, 2147), (458, 2228), (548, 2342), (574, 2390), (579, 2402), (593, 2432), (604, 2456), (612, 2468), (667, 2546), (670, 2552), (766, 2696), (784, 2729), (825, 2783), (969, 2960), (1025, 3014),

Gene: AdoptaAdorbs_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for AdoptaAdorbs_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Adora_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Adora_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (458, 1008), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763, 1500), (782, 1536), (784, 1539), (810, 1575), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (956, 1785), (994, 1827),

Gene: Agamotto_6 Start: 4384, Stop: 5916, Start Num: 145

Candidate Starts for Agamotto_6:

(Start: 145 @4384 has 1 MA's), (203, 4471), (285, 4591), (308, 4654), (340, 4741), (422, 4951), (428, 4975), (430, 4987), (447, 5044), (536, 5200), (544, 5221), (579, 5287), (581, 5293), (812, 5653), (882, 5719),

Gene: Agent47_6 Start: 1331, Stop: 2758, Start Num: 168

Candidate Starts for Agent47_6:

(Start: 168 @1331 has 24 MA's), (198, 1388), (Start: 211 @1409 has 3 MA's), (Start: 225 @1433 has 18 MA's), (279, 1517), (283, 1526), (285, 1532), (295, 1574), (302, 1592), (315, 1610), (330, 1661), (355, 1700), (383, 1736), (415, 1814), (426, 1856), (428, 1865), (429, 1868), (458, 1946), (548, 2060), (574, 2108), (579, 2120), (593, 2150), (612, 2186), (630, 2213), (670, 2270), (713, 2354), (727, 2378), (782, 2456), (825, 2513), (849, 2537), (869, 2561), (969, 2690), (1025, 2747),

Gene: Ageofdapage_8 Start: 1536, Stop: 2957, Start Num: 162

Candidate Starts for Ageofdapage_8:

(Start: 85 @1464 has 1 MA's), (Start: 153 @1524 has 11 MA's), (Start: 162 @1536 has 165 MA's), (Start: 225 @1647 has 18 MA's), (229, 1653), (279, 1731), (283, 1740), (295, 1788), (302, 1806), (315, 1824), (330, 1875), (356, 1917), (361, 1923), (383, 1950), (386, 1953), (415, 2028), (426, 2070), (428, 2079), (458, 2160), (548, 2274), (574, 2322), (579, 2334), (593, 2364), (604, 2388), (612, 2400), (621, 2415), (670, 2484), (766, 2628), (784, 2661), (825, 2715), (969, 2892), (1025, 2946),

Gene: Aggie_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Aggie_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: AizenPogi_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for AizenPogi_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Akino08_3 Start: 952, Stop: 2577, Start Num: 135

Candidate Starts for Akino08_3:

(Start: 135 @952 has 81 MA's), (166, 988), (242, 1108), (299, 1216), (307, 1231), (335, 1300), (358, 1345), (417, 1450), (418, 1453), (431, 1513), (436, 1531), (437, 1534), (445, 1561), (455, 1591), (536, 1753), (665, 1969), (705, 2044), (713, 2056), (956, 2410),

Gene: Alatato_2 Start: 316, Stop: 1767, Start Num: 153

Candidate Starts for Alatato_2:

(Start: 153 @316 has 11 MA's), (Start: 187 @376 has 6 MA's), (198, 397), (281, 532), (321, 643), (361, 721), (400, 775), (417, 832), (426, 868), (428, 877), (469, 985), (504, 1009), (570, 1111), (574, 1120), (593, 1165), (608, 1192), (662, 1252), (670, 1273), (682, 1303), (700, 1330), (728, 1372), (732, 1375), (744, 1393), (762, 1411), (764, 1417), (893, 1579), (910, 1603), (971, 1681), (999, 1720), (1025, 1756),

Gene: Albanese_5 Start: 3132, Stop: 4697, Start Num: 79

Candidate Starts for Albanese_5:

(Start: 79 @3132 has 143 MA's), (Start: 213 @3306 has 10 MA's), (Start: 234 @3342 has 4 MA's), (275, 3396), (291, 3438), (299, 3462), (356, 3588), (411, 3702), (416, 3717), (418, 3723), (431, 3783), (449, 3843), (495, 3942), (522, 3972), (570, 4035), (584, 4068), (636, 4155), (686, 4230), (707, 4263), (730, 4299), (785, 4374), (799, 4395), (836, 4416), (877, 4485), (956, 4563), (982, 4602), (1003, 4632), (1015, 4644), (1045, 4683), (1050, 4692),

Gene: Albedo_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for Albedo_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: Albright_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for Albright_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (335, 1037), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: Aledel_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Aledel_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (299, 759), (310, 783), (331, 837), (401, 966), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (584, 1365), (636, 1452), (686, 1527), (688, 1530), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: AlexMinion_2 Start: 373, Stop: 1995, Start Num: 95

Candidate Starts for AlexMinion_2:

(Start: 84 @352 has 12 MA's), (Start: 95 @373 has 13 MA's), (Start: 213 @514 has 10 MA's), (275, 604), (285, 616), (293, 652), (299, 670), (331, 748), (401, 853), (418, 907), (419, 916), (431, 967), (438, 991), (449, 1027), (457, 1048), (490, 1123), (536, 1207), (664, 1423), (669, 1435), (679, 1462), (705,

1501), (707, 1507), (732, 1546), (768, 1585), (785, 1618), (818, 1663), (895, 1780), (921, 1816), (934, 1834), (985, 1903), (987, 1909), (1003, 1930), (1045, 1981), (1047, 1984),

Gene: Alexphander_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Alexphander_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: AlishaPH_8 Start: 1592, Stop: 3016, Start Num: 162

Candidate Starts for AlishaPH_8:

(Start: 85 @1520 has 1 MA's), (Start: 153 @1580 has 11 MA's), (Start: 162 @1592 has 165 MA's), (Start: 225 @1703 has 18 MA's), (229, 1709), (279, 1787), (283, 1796), (295, 1844), (302, 1862), (330, 1931), (356, 1973), (361, 1979), (383, 2006), (386, 2009), (426, 2126), (428, 2135), (458, 2216), (548, 2330), (574, 2378), (579, 2390), (593, 2420), (604, 2444), (612, 2456), (667, 2534), (670, 2540), (766, 2687), (784, 2720), (825, 2774), (969, 2951), (1025, 3005),

Gene: Alkhayr_31 Start: 13437, Stop: 14951, Start Num: 73

Candidate Starts for Alkhayr_31:

(Start: 73 @13437 has 42 MA's), (Start: 76 @13440 has 13 MA's), (Start: 211 @13620 has 3 MA's), (267, 13713), (294, 13788), (310, 13821), (321, 13848), (330, 13878), (415, 14031), (417, 14037), (426, 14073), (428, 14082), (458, 14163), (462, 14172), (464, 14175), (504, 14214), (544, 14271), (564, 14307), (566, 14310), (666, 14466), (670, 14475), (707, 14544), (713, 14553), (717, 14559), (739, 14592), (766, 14628), (825, 14715), (847, 14736), (903, 14799), (904, 14802), (907, 14805), (919, 14823), (938, 14844), (969, 14886), (996, 14919), (999, 14922), (1019, 14934),

Gene: AllBusiness_5 Start: 1989, Stop: 3686, Start Num: 115

Candidate Starts for AllBusiness_5:

(70, 1929), (Start: 115 @1989 has 16 MA's), (199, 2109), (Start: 213 @2130 has 10 MA's), (242, 2178), (278, 2223), (283, 2226), (293, 2268), (299, 2286), (300, 2289), (302, 2292), (310, 2310), (401, 2469), (418, 2523), (431, 2583), (457, 2664), (488, 2739), (553, 2895), (584, 2961), (592, 2976), (672, 3123), (683, 3156), (715, 3204), (741, 3246), (794, 3318), (837, 3360), (865, 3402), (934, 3477), (937, 3480), (985, 3549), (1041, 3627), (1058, 3675),

Gene: AlleyCat_6 Start: 1349, Stop: 2776, Start Num: 168

Candidate Starts for AlleyCat_6:

(Start: 168 @1349 has 24 MA's), (198, 1406), (Start: 211 @1427 has 3 MA's), (Start: 225 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (330, 1679), (355, 1718), (383, 1754), (400, 1781), (415, 1832), (426, 1874), (428, 1883), (429, 1886), (458, 1964), (548, 2078), (574, 2126), (579, 2138), (593, 2168), (612, 2204), (630, 2231), (670, 2288), (713, 2372), (727, 2396), (782, 2474), (825, 2531), (849, 2555), (869, 2579), (969, 2708), (1025, 2765),

Gene: Aloeri_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for Aloeri_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (699, 1745), (732, 1790), (782,

1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: Altostratus_2 Start: 390, Stop: 1988, Start Num: 104

Candidate Starts for Altostratus_2:

(55, 318), (Start: 104 @390 has 2 MA's), (199, 507), (285, 630), (401, 918), (418, 972), (419, 981), (430, 1029), (449, 1092), (450, 1095), (600, 1371), (606, 1383), (669, 1470), (678, 1494), (683, 1503), (707, 1542), (725, 1569), (727, 1572), (773, 1632), (841, 1704), (879, 1767), (913, 1788), (921, 1797), (952, 1836), (970, 1863), (1037, 1950), (1041, 1956),

Gene: Alucard_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Alucard_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Amanises_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Amanises_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (Start: 224 @1072 has 1 MA's), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Amelia_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Amelia_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Amelie_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Amelie_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: Amgine_6 Start: 1181, Stop: 2605, Start Num: 162

Candidate Starts for Amgine_6:

(77, 1097), (Start: 153 @1169 has 11 MA's), (Start: 162 @1181 has 165 MA's), (Start: 211 @1268 has 3 MA's), (Start: 225 @1292 has 18 MA's), (279, 1376), (283, 1385), (295, 1433), (302, 1451), (315, 1469), (316, 1472), (330, 1520), (383, 1595), (386, 1598), (426, 1715), (428, 1724), (429, 1727), (439, 1757), (458, 1805), (548, 1919), (574, 1967), (579, 1979), (593, 2009), (604, 2033), (614, 2048), (621, 2060), (670, 2129), (691, 2171), (713, 2201), (766, 2273), (784, 2306), (789, 2315), (825, 2360), (1025, 2594), (1029, 2600),

Gene: AmiCi24_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for AmiCi24_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Aminay_6 Start: 1302, Stop: 2744, Start Num: 162

Candidate Starts for Aminay_6:

(Start: 162 @1302 has 165 MA's), (221, 1401), (Start: 225 @1407 has 18 MA's), (279, 1491), (283, 1500), (295, 1548), (330, 1635), (335, 1644), (339, 1653), (361, 1683), (415, 1788), (428, 1839), (429, 1842), (441, 1878), (458, 1920), (462, 1929), (548, 2034), (574, 2082), (579, 2094), (593, 2124), (604, 2148), (614, 2163), (670, 2247), (689, 2289), (713, 2331), (764, 2400), (772, 2415), (804, 2466), (825, 2490), (965, 2661), (972, 2673), (1025, 2733),

Gene: Amochick_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Amochick_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Amohnition_7 Start: 1387, Stop: 2811, Start Num: 162

Candidate Starts for Amohnition_7:

(Start: 153 @1375 has 11 MA's), (Start: 162 @1387 has 165 MA's), (Start: 211 @1474 has 3 MA's), (Start: 225 @1498 has 18 MA's), (279, 1582), (283, 1591), (295, 1639), (302, 1657), (315, 1675), (330, 1726), (361, 1774), (426, 1921), (428, 1930), (429, 1933), (439, 1963), (458, 2011), (548, 2125), (579, 2185), (593, 2215), (621, 2266), (640, 2287), (670, 2335), (691, 2377), (713, 2407), (766, 2479), (825, 2566), (969, 2743), (1025, 2800), (1029, 2806),

Gene: Amphitrite_2 Start: 368, Stop: 1990, Start Num: 95

Candidate Starts for Amphitrite_2:

(Start: 84 @347 has 12 MA's), (Start: 95 @368 has 13 MA's), (275, 599), (278, 602), (285, 611), (293, 647), (299, 665), (331, 743), (401, 848), (431, 962), (438, 986), (449, 1022), (457, 1043), (464, 1058), (490, 1118), (536, 1202), (664, 1418), (669, 1430), (679, 1457), (705, 1496), (707, 1502), (732, 1541), (757, 1568), (768, 1580), (785, 1613), (794, 1625), (818, 1658), (921, 1811), (934, 1829), (985, 1898), (987, 1904), (1003, 1925), (1022, 1946), (1045, 1976), (1047, 1979), (1048, 1982),

Gene: Amymech_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Amymech_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Anatole_3 Start: 1202, Stop: 2782, Start Num: 135

Candidate Starts for Anatole_3:

(121, 1193), (Start: 124 @1196 has 1 MA's), (Start: 135 @1202 has 81 MA's), (Start: 158 @1229 has 9 MA's), (180, 1262), (199, 1292), (Start: 211 @1310 has 3 MA's), (Start: 213 @1313 has 10 MA's), (222, 1328), (Start: 234 @1349 has 4 MA's), (237, 1352), (289, 1439), (293, 1451), (299, 1469), (311, 1499), (312, 1502), (330, 1574), (333, 1580), (348, 1616), (355, 1622), (373, 1655), (405, 1712), (416, 1754), (418, 1760), (437, 1841), (448, 1877), (449, 1880), (460, 1907), (464, 1916), (476, 1952), (564, 2096), (580, 2126), (592, 2153), (600, 2168), (606, 2180), (634, 2222), (665, 2264), (669, 2273), (678, 2297), (707, 2345), (713, 2351), (725, 2372), (727, 2375), (770, 2429), (787, 2459), (836, 2498), (852, 2522), (869, 2555), (902, 2573), (921, 2600), (926, 2606), (934, 2618), (968, 2666), (987, 2696), (1047, 2771),

Gene: Anaya_9 Start: 1616, Stop: 3037, Start Num: 162

Candidate Starts for Anaya_9:

(Start: 85 @1544 has 1 MA's), (Start: 153 @1604 has 11 MA's), (Start: 162 @1616 has 165 MA's), (Start: 225 @1727 has 18 MA's), (229, 1733), (279, 1811), (283, 1820), (285, 1826), (295, 1868), (302, 1886), (330, 1955), (356, 1997), (361, 2003), (383, 2030), (426, 2150), (428, 2159), (458, 2240), (466, 2258), (548, 2354), (574, 2402), (579, 2414), (593, 2444), (604, 2468), (612, 2480), (621, 2495), (667, 2558), (670, 2564), (766, 2708), (784, 2741), (825, 2795), (969, 2972), (1025, 3026),

Gene: Andies_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Andies_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Andrew_3 Start: 741, Stop: 2363, Start Num: 95

Candidate Starts for Andrew_3:

(Start: 84 @720 has 12 MA's), (Start: 95 @741 has 13 MA's), (Start: 213 @882 has 10 MA's), (220, 894), (237, 921), (275, 972), (278, 975), (285, 984), (290, 1011), (293, 1020), (299, 1038), (331, 1116), (401, 1221), (419, 1284), (431, 1335), (435, 1347), (438, 1359), (449, 1395), (453, 1407), (457, 1416), (464, 1431), (490, 1491), (536, 1575), (664, 1791), (669, 1803), (705, 1869), (707, 1875), (732, 1914), (768, 1953), (785, 1986), (818, 2031), (895, 2148), (921, 2184), (934, 2202), (985, 2271), (987, 2277), (1003, 2298), (1026, 2322), (1045, 2349), (1047, 2352),

Gene: Angel_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Angel_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Angelica_8 Start: 1575, Stop: 2996, Start Num: 162

Candidate Starts for Angelica_8:

(Start: 85 @1503 has 1 MA's), (Start: 153 @1563 has 11 MA's), (Start: 162 @1575 has 165 MA's), (Start: 225 @1686 has 18 MA's), (229, 1692), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (330, 1914), (356, 1956), (361, 1962), (426, 2109), (428, 2118), (466, 2217), (548, 2313), (574, 2361), (579, 2373), (593, 2403), (604, 2427), (612, 2439), (621, 2454), (670, 2523), (766, 2667), (825, 2754), (969, 2931), (1025, 2985),

Gene: Anma_8 Start: 1566, Stop: 2987, Start Num: 162

Candidate Starts for Anma_8:

(Start: 85 @1494 has 1 MA's), (114, 1533), (Start: 153 @1554 has 11 MA's), (Start: 162 @1566 has 165 MA's), (Start: 225 @1677 has 18 MA's), (229, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (330, 1905), (356, 1947), (361, 1953), (383, 1980), (386, 1983), (400, 2007), (426, 2100), (428, 2109), (458, 2190), (466, 2208), (548, 2304), (574, 2352), (579, 2364), (593, 2394), (604, 2418), (612, 2430), (667, 2508), (670, 2514), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: AnnaLie_4 Start: 1038, Stop: 2663, Start Num: 135

Candidate Starts for AnnaLie_4:

(Start: 135 @1038 has 81 MA's), (Start: 158 @1065 has 9 MA's), (242, 1194), (285, 1248), (299, 1302), (307, 1317), (329, 1371), (335, 1386), (401, 1485), (417, 1536), (418, 1539), (431, 1599), (455, 1677), (705, 2130), (715, 2145), (956, 2496), (1058, 2652),

Gene: AnnabelLee_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for AnnabelLee_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: Annalisa_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Annalisa_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (343, 1246), (398, 1318), (400, 1321), (410, 1357), (426, 1414), (428, 1423), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (639, 1795), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (766, 1999), (855, 2122), (863, 2134), (885, 2173), (1033, 2362),

Gene: Annihilator_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Annihilator_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Anseraureola_3 Start: 1098, Stop: 2558, Start Num: 107

Candidate Starts for Anseraureola_3:

(Start: 107 @1098 has 136 MA's), (Start: 113 @1104 has 2 MA's), (237, 1266), (242, 1275), (278, 1335), (303, 1404), (316, 1425), (331, 1476), (430, 1680), (553, 1893), (565, 1908), (580, 1944), (599, 1986), (621, 2019), (634, 2037), (710, 2157), (711, 2160), (719, 2172), (770, 2247), (810, 2310), (829, 2328), (831, 2331), (953, 2493), (959, 2502), (964, 2511), (989, 2550),

Gene: Antrice_3 Start: 691, Stop: 2325, Start Num: 84

Candidate Starts for Antrice_3:

(Start: 84 @691 has 12 MA's), (237, 889), (275, 940), (278, 943), (285, 952), (299, 1006), (302, 1012), (310, 1030), (401, 1189), (431, 1303), (449, 1363), (457, 1384), (464, 1399), (490, 1456), (553, 1582), (584, 1642), (653, 1738), (664, 1759), (686, 1810), (715, 1852), (768, 1921), (770, 1927), (785, 1954), (818, 1999), (890, 2101), (895, 2110), (899, 2116), (915, 2140), (934, 2164), (985, 2233), (1015, 2272), (1047, 2314),

Gene: Antsirabe_2 Start: 354, Stop: 1925, Start Num: 74

Candidate Starts for Antsirabe_2:

(Start: 74 @354 has 22 MA's), (198, 525), (295, 708), (315, 744), (335, 804), (414, 957), (415, 963), (417, 969), (426, 1005), (430, 1026), (442, 1056), (458, 1095), (462, 1104), (574, 1257), (586, 1287), (614, 1335), (670, 1413), (679, 1437), (766, 1563), (799, 1620), (810, 1632), (825, 1650), (893, 1722),

(903, 1737), (969, 1830), (1011, 1893), (1025, 1914),

Gene: Aoka_3 Start: 1243, Stop: 2838, Start Num: 109

Candidate Starts for Aoka_3:

(Start: 109 @1243 has 5 MA's), (291, 1501), (299, 1525), (302, 1531), (431, 1822), (440, 1852), (457, 1903), (461, 1912), (527, 2014), (533, 2026), (594, 2149), (678, 2278), (818, 2506), (848, 2548), (1047, 2827),

Gene: Apocalypse_8 Start: 1571, Stop: 2992, Start Num: 162

Candidate Starts for Apocalypse_8:

(Start: 85 @1499 has 1 MA's), (Start: 153 @1559 has 11 MA's), (Start: 162 @1571 has 165 MA's), (Start: 225 @1682 has 18 MA's), (229, 1688), (279, 1766), (283, 1775), (295, 1823), (302, 1841), (330, 1910), (356, 1952), (361, 1958), (383, 1985), (386, 1988), (426, 2105), (428, 2114), (458, 2195), (548, 2309), (574, 2357), (579, 2369), (593, 2399), (612, 2435), (667, 2513), (670, 2519), (766, 2663), (784, 2696), (825, 2750), (969, 2927), (1025, 2981),

Gene: AppleCider_5 Start: 3069, Stop: 4637, Start Num: 79

Candidate Starts for AppleCider_5:

(Start: 79 @3069 has 143 MA's), (218, 3255), (237, 3285), (275, 3336), (285, 3348), (291, 3378), (296, 3393), (310, 3426), (356, 3528), (401, 3609), (416, 3657), (431, 3723), (445, 3771), (448, 3780), (479, 3855), (495, 3882), (522, 3912), (545, 3951), (669, 4131), (707, 4203), (730, 4239), (799, 4335), (865, 4401), (901, 4431), (905, 4437), (956, 4503), (1045, 4623),

Gene: Applecrisp_6 Start: 1540, Stop: 2964, Start Num: 162

Candidate Starts for Applecrisp_6:

(77, 1456), (Start: 153 @1528 has 11 MA's), (Start: 162 @1540 has 165 MA's), (Start: 211 @1627 has 3 MA's), (Start: 225 @1651 has 18 MA's), (279, 1735), (283, 1744), (295, 1792), (302, 1810), (315, 1828), (330, 1879), (383, 1954), (386, 1957), (426, 2074), (428, 2083), (429, 2086), (439, 2116), (458, 2164), (548, 2278), (574, 2326), (579, 2338), (593, 2368), (604, 2392), (614, 2407), (621, 2419), (670, 2488), (691, 2530), (713, 2560), (766, 2632), (784, 2665), (789, 2674), (825, 2719), (969, 2896), (1025, 2953), (1029, 2959),

Gene: Applejacks_2 Start: 524, Stop: 2077, Start Num: 118

Candidate Starts for Applejacks_2:

(Start: 118 @524 has 7 MA's), (Start: 129 @536 has 4 MA's), (132, 539), (147, 551), (Start: 213 @650 has 10 MA's), (218, 659), (296, 797), (299, 806), (309, 830), (348, 926), (359, 941), (401, 992), (416, 1040), (438, 1130), (448, 1163), (449, 1166), (462, 1199), (539, 1280), (546, 1295), (553, 1310), (618, 1427), (632, 1448), (667, 1490), (713, 1574), (725, 1595), (790, 1706), (837, 1778), (869, 1832), (871, 1835), (934, 1913), (1015, 2021),

Gene: Appletree2_4 Start: 1025, Stop: 2608, Start Num: 79

Candidate Starts for Appletree2_4:

(Start: 79 @1025 has 143 MA's), (Start: 82 @1031 has 6 MA's), (203, 1202), (267, 1289), (281, 1307), (283, 1313), (291, 1349), (354, 1487), (355, 1490), (398, 1565), (416, 1622), (417, 1625), (477, 1793), (516, 1847), (522, 1856), (530, 1871), (540, 1892), (563, 1931), (577, 1952), (579, 1958), (595, 1985), (624, 2027), (653, 2051), (664, 2069), (667, 2078), (670, 2084), (682, 2117), (704, 2150), (727, 2189), (730, 2195), (732, 2198), (768, 2243), (810, 2309), (854, 2360), (866, 2384), (877, 2399), (879, 2402), (969, 2504), (991, 2531), (1028, 2582), (1029, 2585),

Gene: Aquarius_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Aquarius_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330,

699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (457, 1041), (458, 1044), (460, 1047), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (662, 1350), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: ArV2_02 Start: 349, Stop: 1803, Start Num: 164

Candidate Starts for ArV2_02:

(Start: 164 @349 has 29 MA's), (Start: 187 @394 has 6 MA's), (198, 415), (Start: 211 @436 has 3 MA's), (Start: 225 @457 has 18 MA's), (267, 526), (274, 541), (281, 550), (290, 589), (310, 634), (330, 691), (335, 700), (343, 718), (398, 790), (400, 793), (428, 895), (442, 937), (458, 976), (570, 1129), (572, 1132), (574, 1138), (593, 1180), (602, 1198), (670, 1297), (689, 1336), (711, 1366), (739, 1411), (766, 1453), (802, 1513), (804, 1516), (841, 1555), (965, 1711),

Gene: Arby_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Arby_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: ArchiDore_2 Start: 434, Stop: 1993, Start Num: 155

Candidate Starts for ArchiDore_2:

(33, 278), (Start: 50 @302 has 3 MA's), (75, 335), (93, 365), (Start: 155 @434 has 6 MA's), (192, 500), (238, 569), (261, 608), (299, 707), (324, 758), (330, 779), (331, 782), (356, 824), (397, 878), (428, 986), (457, 1070), (458, 1073), (493, 1136), (500, 1166), (509, 1184), (511, 1187), (622, 1376), (664, 1430), (667, 1439), (679, 1472), (704, 1502), (735, 1550), (741, 1559), (749, 1568), (764, 1595), (766, 1598), (779, 1625), (825, 1685), (847, 1706), (908, 1811), (930, 1844), (979, 1913),

Gene: Archie_4 Start: 1034, Stop: 2602, Start Num: 79

Candidate Starts for Archie_4:

(Start: 79 @1034 has 143 MA's), (Start: 82 @1040 has 6 MA's), (Start: 92 @1058 has 1 MA's), (194, 1196), (223, 1244), (238, 1262), (302, 1388), (347, 1493), (355, 1499), (415, 1631), (417, 1637), (422, 1658), (455, 1757), (477, 1805), (516, 1859), (530, 1883), (540, 1904), (555, 1928), (558, 1934), (577, 1964), (579, 1970), (595, 1997), (598, 2006), (670, 2096), (711, 2174), (732, 2210), (768, 2255), (810, 2321), (854, 2372), (866, 2396), (879, 2414), (884, 2423), (1008, 2570), (1028, 2594), (1029, 2597),

Gene: Archimedes_1 Start: 59, Stop: 1762, Start Num: 19

Candidate Starts for Archimedes_1:

(14, 20), (Start: 19 @59 has 4 MA's), (105, 218), (114, 227), (127, 242), (193, 329), (284, 467), (299, 524), (316, 551), (333, 605), (419, 770), (436, 839), (448, 878), (453, 893), (559, 1034), (563, 1043), (567, 1052), (571, 1064), (597, 1112), (614, 1142), (630, 1166), (672, 1223), (715, 1298), (729, 1322), (739, 1334), (839, 1481), (841, 1484), (915, 1577), (932, 1598), (1000, 1694), (1027, 1724), (1047, 1751), (1048, 1754),

Gene: Archis_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Archis_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530),

(784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Arib1_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Arib1_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Ariel_9 Start: 2909, Stop: 4441, Start Num: 167

Candidate Starts for Ariel_9:

(131, 2867), (139, 2876), (Start: 167 @2909 has 21 MA's), (Start: 235 @3023 has 15 MA's), (284, 3119), (294, 3161), (296, 3167), (328, 3242), (330, 3251), (398, 3353), (400, 3356), (410, 3392), (420, 3425), (546, 3674), (579, 3737), (592, 3764), (617, 3809), (680, 3923), (704, 3959), (725, 3989), (730, 3998), (766, 4052), (777, 4076), (969, 4310), (977, 4322),

Gene: Arielagos_2 Start: 424, Stop: 1926, Start Num: 101

Candidate Starts for Arielagos_2:

(59, 361), (Start: 92 @412 has 1 MA's), (Start: 101 @424 has 5 MA's), (122, 448), (Start: 153 @472 has 11 MA's), (Start: 224 @583 has 1 MA's), (241, 610), (285, 673), (291, 703), (294, 712), (300, 730), (349, 841), (371, 874), (417, 955), (429, 1003), (452, 1084), (553, 1219), (570, 1246), (596, 1297), (614, 1330), (730, 1513), (795, 1606), (831, 1645), (836, 1651), (847, 1660), (868, 1699), (947, 1783), (956, 1798), (994, 1858), (1024, 1888),

Gene: Aries55_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Aries55_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Armstrong_2 Start: 593, Stop: 2155, Start Num: 135

Candidate Starts for Armstrong_2:

(Start: 135 @593 has 81 MA's), (Start: 211 @701 has 3 MA's), (242, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (349, 977), (401, 1040), (431, 1154), (449, 1214), (455, 1232), (572, 1460), (592, 1505), (678, 1643), (921, 1970), (1050, 2144), (1052, 2147),

Gene: Aroostook_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Aroostook_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Arroyo_4 Start: 1159, Stop: 2787, Start Num: 135

Candidate Starts for Arroyo_4:

(Start: 135 @1159 has 81 MA's), (242, 1315), (299, 1423), (329, 1492), (335, 1507), (417, 1657), (418, 1660), (431, 1720), (445, 1768), (455, 1798), (705, 2254), (715, 2269), (956, 2620), (987, 2668), (1058, 2776),

Gene: Asapag_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Asapag_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (256, 853), (276, 886), (292, 937), (295, 946), (315, 982), (328, 1024), (336, 1045), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (459, 1330), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (608, 1603), (651, 1657), (715, 1759), (732, 1786), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (975, 2101), (984, 2113),

Gene: Asayake_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Asayake_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Ashwin_32 Start: 13447, Stop: 14961, Start Num: 73

Candidate Starts for Ashwin_32:

(Start: 73 @13447 has 42 MA's), (Start: 76 @13450 has 13 MA's), (Start: 211 @13630 has 3 MA's), (267, 13723), (294, 13798), (310, 13831), (321, 13858), (330, 13888), (415, 14041), (417, 14047), (426, 14083), (428, 14092), (458, 14173), (462, 14182), (464, 14185), (544, 14281), (564, 14317), (566, 14320), (666, 14476), (670, 14485), (707, 14554), (713, 14563), (717, 14569), (739, 14602), (766, 14638), (825, 14725), (847, 14746), (903, 14809), (904, 14812), (907, 14815), (919, 14833), (938, 14854), (969, 14896), (996, 14929), (999, 14932), (1019, 14944),

Gene: Astro16_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Astro16_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Atcoo_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Atcoo_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (530, 1304), (540, 1325), (625, 1466), (639, 1478), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: Atiba_8 Start: 1556, Stop: 2980, Start Num: 162

Candidate Starts for Atiba_8:

(Start: 85 @1484 has 1 MA's), (Start: 153 @1544 has 11 MA's), (Start: 162 @1556 has 165 MA's), (Start: 225 @1667 has 18 MA's), (229, 1673), (279, 1751), (283, 1760), (295, 1808), (302, 1826), (330, 1895), (356, 1937), (361, 1943), (383, 1970), (386, 1973), (426, 2090), (428, 2099), (458, 2180), (548, 2294), (574, 2342), (579, 2354), (593, 2384), (604, 2408), (612, 2420), (667, 2498), (670, 2504), (766, 2651), (784, 2684), (825, 2738), (969, 2915), (1025, 2969),

Gene: Atlantica_2 Start: 349, Stop: 1992, Start Num: 84

Candidate Starts for Atlantica_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (1003, 1927),

(1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Atraxa_3 Start: 604, Stop: 2115, Start Num: 106

Candidate Starts for Atraxa_3:

(Start: 79 @562 has 143 MA's), (Start: 106 @604 has 2 MA's), (Start: 224 @763 has 1 MA's), (252, 808), (283, 847), (285, 853), (291, 883), (295, 895), (302, 913), (344, 1009), (409, 1108), (416, 1132), (417, 1135), (429, 1183), (436, 1213), (441, 1228), (444, 1237), (446, 1246), (455, 1270), (570, 1426), (573, 1429), (596, 1477), (632, 1537), (655, 1546), (667, 1573), (688, 1624), (742, 1711), (760, 1729), (801, 1801), (845, 1843), (847, 1846), (865, 1876), (882, 1909), (893, 1912), (904, 1930),

Gene: Attacne_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for Attacne_2:

(Start: 155 @370 has 6 MA's), (Start: 157 @373 has 40 MA's), (Start: 167 @385 has 21 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (398, 847), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (464, 1048), (469, 1063), (513, 1129), (531, 1150), (553, 1174), (561, 1186), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (819, 1600), (838, 1615), (843, 1621), (891, 1699), (893, 1702), (900, 1714), (967, 1792), (974, 1801), (977, 1807), (984, 1816), (1023, 1870), (1028, 1876),

Gene: Attis_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Attis_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Audell_7 Start: 4657, Stop: 6186, Start Num: 145

Candidate Starts for Audell_7:

(Start: 145 @4657 has 1 MA's), (179, 4702), (203, 4741), (217, 4765), (283, 4855), (285, 4861), (340, 5011), (428, 5242), (430, 5254), (447, 5311), (536, 5467), (544, 5488), (579, 5554), (581, 5560), (882, 5986), (989, 6127),

Gene: AuntGwenStacy_9 Start: 4674, Stop: 6299, Start Num: 73

Candidate Starts for AuntGwenStacy_9:

(22, 4593), (24, 4611), (54, 4650), (Start: 63 @4662 has 1 MA's), (70, 4668), (Start: 73 @4674 has 42 MA's), (Start: 79 @4680 has 143 MA's), (Start: 208 @4848 has 2 MA's), (215, 4860), (222, 4872), (299, 5016), (328, 5112), (330, 5121), (371, 5199), (374, 5205), (411, 5262), (416, 5277), (438, 5367), (448, 5400), (449, 5403), (517, 5475), (546, 5532), (568, 5580), (577, 5601), (582, 5613), (587, 5625), (600, 5649), (614, 5673), (618, 5679), (664, 5736), (672, 5754), (730, 5856), (761, 5898), (795, 5961), (800, 5970), (805, 5976), (898, 6090), (906, 6102), (924, 6120), (955, 6162), (983, 6204), (991, 6219),

Gene: Auspice_14 Start: 4719, Stop: 6263, Start Num: 102

Candidate Starts for Auspice_14:

(Start: 102 @4719 has 21 MA's), (Start: 145 @4767 has 1 MA's), (282, 4968), (330, 5106), (425, 5298), (530, 5508), (558, 5559), (598, 5631), (667, 5694), (676, 5718), (682, 5733), (720, 5793), (727, 5805), (764, 5865), (782, 5898), (804, 5931), (827, 5958), (865, 6006), (995, 6192), (1008, 6213),

Gene: AustinPowers_2 Start: 600, Stop: 1994, Start Num: 211

Candidate Starts for AustinPowers_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (296, 750), (299, 759), (310, 783), (331, 837), (401, 966), (416, 1014), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (636, 1452), (686, 1527), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: AvGardian_3 Start: 755, Stop: 2380, Start Num: 135

Candidate Starts for AvGardian_3:

(Start: 135 @755 has 81 MA's), (242, 911), (299, 1019), (307, 1034), (335, 1103), (349, 1139), (358, 1148), (417, 1253), (418, 1256), (431, 1316), (436, 1334), (437, 1337), (445, 1364), (455, 1394), (536, 1556), (632, 1736), (713, 1859), (715, 1862), (785, 1964), (956, 2213), (1045, 2330), (1058, 2369),

Gene: AvadaKedavra_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for AvadaKedavra_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Avani_3 Start: 663, Stop: 2183, Start Num: 151

Candidate Starts for Avani_3:

(Start: 118 @651 has 7 MA's), (Start: 151 @663 has 89 MA's), (Start: 225 @789 has 18 MA's), (231, 798), (256, 843), (274, 873), (276, 876), (281, 882), (292, 927), (300, 951), (315, 972), (328, 1014), (336, 1035), (353, 1062), (363, 1080), (365, 1083), (383, 1107), (400, 1134), (417, 1191), (426, 1227), (428, 1236), (430, 1248), (432, 1254), (439, 1269), (443, 1281), (453, 1308), (456, 1314), (459, 1320), (478, 1356), (491, 1365), (505, 1395), (524, 1425), (526, 1428), (576, 1524), (579, 1533), (591, 1560), (645, 1644), (662, 1659), (727, 1770), (732, 1779), (739, 1788), (782, 1851), (844, 1926), (851, 1938), (869, 1956), (903, 1992), (938, 2034), (943, 2040), (969, 2082), (975, 2094), (984, 2106), (1040, 2172),

Gene: Avocado_2 Start: 352, Stop: 1935, Start Num: 47

Candidate Starts for Avocado_2:

(Start: 47 @352 has 1 MA's), (120, 436), (282, 652), (295, 703), (315, 739), (335, 799), (417, 964), (426, 1000), (430, 1021), (442, 1051), (458, 1090), (574, 1252), (604, 1315), (614, 1330), (643, 1375), (644, 1378), (670, 1426), (679, 1450), (732, 1525), (766, 1576), (782, 1606), (784, 1609), (789, 1618), (799, 1633), (804, 1639), (810, 1645), (846, 1684), (893, 1735), (903, 1750), (965, 1837), (969, 1843), (1025, 1924), (1029, 1930),

Gene: Avacadoman_3 Start: 747, Stop: 2375, Start Num: 135

Candidate Starts for Avacadoman_3:

(Start: 135 @747 has 81 MA's), (242, 903), (299, 1011), (335, 1095), (356, 1137), (401, 1194), (417, 1245), (418, 1248), (431, 1308), (436, 1326), (445, 1356), (455, 1386), (705, 1842), (715, 1857), (956, 2208), (987, 2256), (1058, 2364),

Gene: Avrafan_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Avrafan_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Avvas_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Avvas_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Awesomesauce_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for Awesomesauce_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (417, 1202), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (667, 1682), (699, 1745), (732, 1790), (782, 1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: AylexOG_4 Start: 1044, Stop: 2672, Start Num: 135

Candidate Starts for AylexOG_4:

(Start: 135 @1044 has 81 MA's), (242, 1200), (299, 1308), (335, 1392), (344, 1416), (356, 1434), (417, 1542), (418, 1545), (431, 1605), (436, 1623), (445, 1653), (455, 1683), (705, 2139), (715, 2154), (956, 2505), (1058, 2661),

Gene: Ayotoya_6 Start: 2230, Stop: 3660, Start Num: 235

Candidate Starts for Ayotoya_6:

(Start: 124 @2062 has 1 MA's), (127, 2065), (130, 2068), (Start: 136 @2074 has 13 MA's), (Start: 235 @2230 has 15 MA's), (244, 2248), (299, 2371), (310, 2389), (325, 2428), (328, 2437), (381, 2521), (417, 2605), (421, 2620), (429, 2653), (451, 2719), (483, 2788), (518, 2851), (618, 3040), (629, 3052), (664, 3100), (679, 3142), (715, 3193), (764, 3268), (766, 3271), (779, 3298), (825, 3358), (854, 3391), (863, 3406), (884, 3442), (908, 3484), (927, 3511), (956, 3547), (960, 3553), (995, 3592),

Gene: Azathoth_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Azathoth_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Azaz_2 Start: 373, Stop: 1995, Start Num: 95

Candidate Starts for Azaz_2:

(Start: 84 @352 has 12 MA's), (Start: 95 @373 has 13 MA's), (275, 604), (285, 616), (293, 652), (299, 670), (302, 676), (331, 748), (419, 916), (431, 967), (438, 991), (449, 1027), (457, 1048), (464, 1063), (490, 1123), (536, 1207), (664, 1423), (669, 1435), (705, 1501), (707, 1507), (732, 1546), (768, 1585), (770, 1591), (785, 1618), (818, 1663), (985, 1903), (1003, 1930), (1022, 1951), (1045, 1981), (1047, 1984),

Gene: Aziz_18 Start: 5321, Stop: 6862, Start Num: 102

Candidate Starts for Aziz_18:

(Start: 102 @5321 has 21 MA's), (Start: 104 @5324 has 2 MA's), (Start: 235 @5507 has 15 MA's), (251, 5525), (275, 5558), (282, 5567), (330, 5705), (415, 5858), (425, 5897), (458, 5990), (467, 6011), (558, 6158), (593, 6218), (704, 6365), (720, 6392), (768, 6470), (804, 6530), (827, 6557), (1008, 6812),

Gene: Azizam_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Azizam_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (511, 1791), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Azrael100_25 Start: 8124, Stop: 9737, Start Num: 88

Candidate Starts for Azrael100_25:

(Start: 88 @8124 has 6 MA's), (203, 8274), (214, 8292), (238, 8325), (249, 8337), (284, 8388), (285, 8391), (297, 8439), (299, 8445), (319, 8484), (320, 8487), (330, 8520), (369, 8589), (404, 8655), (408, 8673), (415, 8697), (417, 8703), (447, 8808), (467, 8850), (475, 8868), (480, 8877), (609, 9081), (613, 9087), (635, 9120), (727, 9285), (732, 9294), (739, 9300), (741, 9303), (782, 9378), (804, 9411), (816, 9426), (877, 9507), (991, 9660), (1006, 9681), (1007, 9684),

Gene: Aztec_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Aztec_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Azula_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for Azula_2:

(Start: 108 @334 has 52 MA's), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (296, 646), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (917, 1753), (1049, 1942),

Gene: AzulaCat_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for AzulaCat_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: B22_3 Start: 956, Stop: 2410, Start Num: 153

Candidate Starts for B22_3:

(Start: 153 @956 has 11 MA's), (Start: 155 @959 has 6 MA's), (Start: 211 @1058 has 3 MA's), (229, 1085), (243, 1112), (247, 1121), (274, 1163), (283, 1178), (293, 1220), (315, 1262), (335, 1322), (354, 1349), (414, 1460), (428, 1517), (432, 1535), (439, 1550), (443, 1562), (469, 1625), (574, 1760), (576, 1763), (578, 1769), (593, 1802), (685, 1952), (739, 2036), (741, 2039), (753, 2045), (799, 2126), (812, 2138), (832, 2165), (1025, 2396),

Gene: B3_3 Start: 1202, Stop: 2782, Start Num: 135

Candidate Starts for B3_3:

(121, 1193), (Start: 124 @1196 has 1 MA's), (Start: 135 @1202 has 81 MA's), (Start: 158 @1229 has 9 MA's), (180, 1262), (199, 1292), (Start: 211 @1310 has 3 MA's), (Start: 213 @1313 has 10 MA's), (222, 1328), (Start: 234 @1349 has 4 MA's), (237, 1352), (289, 1439), (293, 1451), (299, 1469), (311, 1499), (312, 1502), (330, 1574), (333, 1580), (348, 1616), (355, 1622), (373, 1655), (405, 1712), (416, 1754), (418, 1760), (437, 1841), (448, 1877), (449, 1880), (460, 1907), (464, 1916), (476, 1952), (564, 2096),

(580, 2126), (592, 2153), (600, 2168), (606, 2180), (634, 2222), (665, 2264), (669, 2273), (678, 2297), (707, 2345), (713, 2351), (725, 2372), (727, 2375), (770, 2429), (787, 2459), (836, 2498), (852, 2522), (869, 2555), (902, 2573), (921, 2600), (926, 2606), (934, 2618), (968, 2666), (987, 2696), (1047, 2771),

Gene: BAJuniper_3 Start: 781, Stop: 2379, Start Num: 135

Candidate Starts for BAJuniper_3:

(Start: 135 @781 has 81 MA's), (Start: 158 @808 has 9 MA's), (204, 877), (Start: 211 @889 has 3 MA's), (242, 937), (278, 982), (299, 1045), (302, 1051), (335, 1129), (344, 1153), (358, 1174), (401, 1228), (417, 1279), (431, 1342), (449, 1402), (455, 1420), (474, 1471), (592, 1693), (664, 1795), (665, 1798), (678, 1831), (772, 1966), (971, 2260), (994, 2296), (1051, 2368), (1052, 2371),

Gene: BBQValindra_2 Start: 522, Stop: 2105, Start Num: 136

Candidate Starts for BBQValindra_2:

(105, 489), (114, 498), (116, 501), (Start: 136 @522 has 13 MA's), (203, 624), (315, 840), (330, 888), (362, 948), (380, 960), (416, 1050), (446, 1155), (511, 1299), (596, 1446), (639, 1506), (676, 1578), (732, 1665), (779, 1743), (788, 1755), (810, 1785), (825, 1803), (875, 1872), (884, 1887), (888, 1899), (895, 1911),

Gene: BEEST_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for BEEST_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: BENtherdunthat_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for BENtherdunthat_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (256, 853), (276, 886), (292, 937), (295, 946), (315, 982), (328, 1024), (336, 1045), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (459, 1330), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (608, 1603), (651, 1657), (715, 1759), (732, 1786), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (975, 2101), (984, 2113),

Gene: BFK20_ORF2 Start: 538, Stop: 2166, Start Num: 125

Candidate Starts for BFK20_ORF2:

(41, 427), (98, 508), (125, 538), (284, 763), (291, 796), (323, 901), (336, 937), (341, 949), (347, 964), (356, 976), (380, 1024), (389, 1042), (394, 1054), (405, 1072), (417, 1120), (430, 1180), (449, 1243), (460, 1270), (535, 1387), (550, 1417), (672, 1609), (839, 1831), (854, 1855), (915, 1927), (998, 2044), (1055, 2146), (1056, 2152),

Gene: BGlluviae_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for BGlluviae_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: BPs_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for BPs_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: BQuat_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for BQuat_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: BabeRuth_2 Start: 527, Stop: 2044, Start Num: 175

Candidate Starts for BabeRuth_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Babushka_2 Start: 372, Stop: 1994, Start Num: 95

Candidate Starts for Babushka_2:

(Start: 84 @351 has 12 MA's), (Start: 95 @372 has 13 MA's), (Start: 213 @513 has 10 MA's), (278, 606), (293, 651), (299, 669), (331, 747), (401, 852), (431, 966), (449, 1026), (457, 1047), (464, 1062), (490, 1122), (498, 1143), (536, 1206), (664, 1422), (669, 1434), (679, 1461), (705, 1500), (732, 1545), (768, 1584), (785, 1617), (818, 1662), (895, 1779), (934, 1833), (985, 1902), (987, 1908), (1003, 1929), (1045, 1980), (1047, 1983),

Gene: BabyDaisy_4 Start: 944, Stop: 2572, Start Num: 135

Candidate Starts for BabyDaisy_4:

(Start: 135 @944 has 81 MA's), (242, 1100), (299, 1208), (321, 1253), (335, 1292), (356, 1334), (401, 1391), (417, 1442), (418, 1445), (431, 1505), (436, 1523), (445, 1553), (455, 1583), (715, 2054), (785, 2156), (956, 2405), (987, 2453), (1010, 2477), (1045, 2522),

Gene: BabyYoda_3 Start: 958, Stop: 2583, Start Num: 135

Candidate Starts for BabyYoda_3:

(Start: 135 @958 has 81 MA's), (242, 1114), (285, 1168), (299, 1222), (307, 1237), (335, 1306), (358, 1351), (417, 1456), (418, 1459), (431, 1519), (436, 1537), (437, 1540), (445, 1567), (455, 1597), (536, 1759), (665, 1975), (705, 2050), (713, 2062), (956, 2416), (987, 2464),

Gene: Bachaco_3 Start: 938, Stop: 2503, Start Num: 135

Candidate Starts for Bachaco_3:

(Start: 135 @938 has 81 MA's), (242, 1094), (299, 1202), (331, 1280), (336, 1289), (347, 1316), (401, 1385), (417, 1436), (431, 1499), (455, 1577), (592, 1850), (678, 1988), (769, 2117), (770, 2120), (994, 2420), (1022, 2450), (1052, 2495),

Gene: BackstagePass_2 Start: 474, Stop: 2078, Start Num: 116

Candidate Starts for BackstagePass_2:

(105, 462), (114, 471), (116, 474), (Start: 136 @495 has 13 MA's), (330, 861), (362, 921), (380, 933), (416, 1023), (446, 1128), (478, 1203), (511, 1272), (596, 1419), (639, 1479), (676, 1551), (732, 1638), (779, 1716), (788, 1728), (810, 1758), (825, 1776), (875, 1845), (888, 1872), (895, 1884),

Gene: BaghaKamala_8 Start: 1563, Stop: 2987, Start Num: 162

Candidate Starts for BaghaKamala_8:

(Start: 85 @1491 has 1 MA's), (Start: 153 @1551 has 11 MA's), (Start: 162 @1563 has 165 MA's), (Start: 225 @1674 has 18 MA's), (229, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (330, 1902), (356, 1944), (361, 1950), (383, 1977), (386, 1980), (426, 2097), (428, 2106), (458, 2187), (548, 2301), (574, 2349), (579, 2361), (593, 2391), (604, 2415), (612, 2427), (621, 2442), (667, 2505), (670, 2511), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: BaileyBlu_2 Start: 464, Stop: 1966, Start Num: 119

Candidate Starts for BaileyBlu_2:

(Start: 96 @437 has 1 MA's), (Start: 119 @464 has 2 MA's), (200, 569), (219, 599), (258, 635), (327, 806), (329, 812), (404, 929), (426, 1013), (429, 1025), (430, 1034), (447, 1091), (486, 1163), (539, 1250), (570, 1307), (611, 1385), (680, 1499), (685, 1508), (766, 1622), (807, 1688), (900, 1793), (1021, 1955),

Gene: Baine_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Baine_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Ball_2 Start: 633, Stop: 2009, Start Num: 196

Candidate Starts for Ball_2:

(Start: 153 @570 has 11 MA's), (196, 633), (210, 657), (Start: 224 @681 has 1 MA's), (284, 765), (306, 834), (310, 846), (406, 1014), (412, 1041), (435, 1119), (441, 1140), (461, 1194), (570, 1344), (572, 1347), (583, 1374), (698, 1551), (751, 1629), (758, 1641), (857, 1767), (913, 1833), (926, 1848), (934, 1860), (987, 1938), (1035, 2001),

Gene: BananenDer11_6 Start: 1324, Stop: 2751, Start Num: 168

Candidate Starts for BananenDer11_6:

(Start: 168 @1324 has 24 MA's), (198, 1381), (Start: 211 @1402 has 3 MA's), (Start: 225 @1426 has 18 MA's), (279, 1510), (283, 1519), (285, 1525), (295, 1567), (302, 1585), (315, 1603), (330, 1654), (337, 1669), (383, 1729), (415, 1807), (426, 1849), (428, 1858), (429, 1861), (458, 1939), (548, 2053), (574, 2101), (593, 2143), (604, 2167), (612, 2179), (630, 2206), (665, 2251), (670, 2263), (762, 2410), (782, 2449), (825, 2506), (849, 2530), (869, 2554), (893, 2578), (965, 2677), (969, 2683), (1025, 2740),

Gene: Banquo_11 Start: 4530, Stop: 6218, Start Num: 50

Candidate Starts for Banquo_11:

(Start: 50 @4530 has 3 MA's), (Start: 107 @4608 has 136 MA's), (245, 4800), (293, 4881), (316, 4926), (321, 4944), (328, 4965), (340, 4995), (360, 5034), (401, 5103), (418, 5157), (438, 5241), (439, 5244), (440, 5247), (448, 5274), (449, 5277), (536, 5382), (592, 5499), (599, 5514), (657, 5607), (661, 5613), (670, 5637), (684, 5679), (694, 5694), (715, 5724), (721, 5736), (761, 5787), (770, 5799), (799, 5847), (808, 5856), (852, 5922), (882, 5976), (905, 6009), (988, 6126), (1010, 6144), (1017, 6156), (1050, 6204), (1054, 6210),

Gene: Baoshan_3 Start: 901, Stop: 2469, Start Num: 79

Candidate Starts for Baoshan_3:

(Start: 79 @901 has 143 MA's), (Start: 82 @907 has 6 MA's), (Start: 88 @916 has 6 MA's), (194, 1063), (267, 1165), (302, 1255), (347, 1360), (415, 1498), (417, 1504), (428, 1549), (455, 1624), (477, 1672), (516, 1726), (530, 1750), (540, 1771), (555, 1795), (558, 1801), (577, 1831), (579, 1837), (598, 1873), (653, 1930), (664, 1948), (670, 1963), (710, 2038), (711, 2041), (732, 2077), (741, 2086), (768,

2122), (810, 2188), (866, 2263), (879, 2281), (884, 2290), (1008, 2437), (1028, 2461), (1029, 2464),

Gene: BarBear_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for BarBear_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Barco_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Barco_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Barebow_2 Start: 355, Stop: 1803, Start Num: 107

Candidate Starts for Barebow_2:

(28, 244), (Start: 91 @337 has 3 MA's), (Start: 107 @355 has 136 MA's), (163, 418), (197, 478), (275, 592), (296, 649), (299, 658), (310, 682), (419, 895), (428, 928), (429, 931), (436, 961), (528, 1078), (546, 1117), (725, 1426), (759, 1468), (770, 1489), (804, 1546), (813, 1555), (831, 1573), (842, 1588), (989, 1795),

Gene: Barkley26_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Barkley26_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: BarrelRoll_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for BarrelRoll_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Bartholomew_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Bartholomew_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Basilisk_3 Start: 961, Stop: 2607, Start Num: 84

Candidate Starts for Basilisk_3:

(68, 937), (Start: 84 @961 has 12 MA's), (Start: 150 @1027 has 12 MA's), (Start: 213 @1123 has 10 MA's), (218, 1132), (285, 1225), (294, 1264), (299, 1279), (310, 1303), (356, 1405), (431, 1576), (435, 1588), (436, 1594), (449, 1636), (457, 1657), (482, 1717), (493, 1747), (498, 1756), (536, 1819), (594,

1936), (664, 2035), (669, 2047), (705, 2113), (715, 2128), (732, 2158), (768, 2197), (772, 2206), (775, 2215), (799, 2251), (840, 2305), (985, 2515), (1017, 2557), (1047, 2596),

Gene: Bauer_4 Start: 1485, Stop: 2990, Start Num: 164

Candidate Starts for Bauer_4:

(Start: 164 @1485 has 29 MA's), (255, 1629), (285, 1680), (298, 1731), (368, 1869), (385, 1911), (395, 1929), (438, 2073), (442, 2085), (461, 2130), (464, 2136), (508, 2214), (523, 2235), (601, 2364), (668, 2466), (671, 2472), (678, 2493), (709, 2544), (769, 2631), (811, 2691), (853, 2739), (874, 2772), (974, 2904),

Gene: BaxterFox_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for BaxterFox_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (493, 1071), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763, 1500), (766, 1506), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (994, 1827), (1015, 1857),

Gene: Bazzle_4 Start: 1010, Stop: 2578, Start Num: 79

Candidate Starts for Bazzle_4:

(Start: 79 @1010 has 143 MA's), (Start: 82 @1016 has 6 MA's), (194, 1172), (223, 1220), (238, 1238), (347, 1469), (415, 1607), (417, 1613), (455, 1733), (477, 1781), (530, 1859), (540, 1880), (555, 1904), (558, 1910), (577, 1940), (579, 1946), (595, 1973), (598, 1982), (670, 2072), (711, 2150), (732, 2186), (768, 2231), (810, 2297), (854, 2348), (866, 2372), (879, 2390), (884, 2399), (1008, 2546), (1028, 2570), (1029, 2573),

Gene: Beakin_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Beakin_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Beanstalk_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Beanstalk_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Bedetta_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Bedetta_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Beenie_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Beenie_3:

(Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (428, 1423), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Beethoven_5 Start: 3076, Stop: 4641, Start Num: 79

Candidate Starts for Beethoven_5:

(Start: 79 @3076 has 143 MA's), (Start: 234 @3286 has 4 MA's), (275, 3340), (299, 3406), (310, 3430), (411, 3646), (416, 3661), (418, 3667), (431, 3727), (495, 3886), (522, 3916), (529, 3931), (584, 4012), (630, 4090), (636, 4099), (669, 4135), (686, 4174), (707, 4207), (715, 4216), (730, 4243), (773, 4297), (799, 4339), (852, 4384), (865, 4405), (877, 4429), (956, 4507), (1045, 4627),

Gene: Beezoo_8 Start: 1616, Stop: 3037, Start Num: 162

Candidate Starts for Beezoo_8:

(Start: 85 @1544 has 1 MA's), (Start: 153 @1604 has 11 MA's), (Start: 162 @1616 has 165 MA's), (Start: 225 @1727 has 18 MA's), (229, 1733), (279, 1811), (283, 1820), (295, 1868), (302, 1886), (330, 1955), (356, 1997), (361, 2003), (383, 2030), (386, 2033), (426, 2150), (428, 2159), (548, 2354), (574, 2402), (579, 2414), (593, 2444), (604, 2468), (612, 2480), (667, 2558), (670, 2564), (766, 2708), (784, 2741), (825, 2795), (969, 2972), (1025, 3026),

Gene: Begonia_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Begonia_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (355, 783), (360, 795), (381, 816), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (656, 1341), (665, 1359), (667, 1365), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911),

Gene: Bella96_8 Start: 1545, Stop: 2966, Start Num: 162

Candidate Starts for Bella96_8:

(Start: 85 @1473 has 1 MA's), (114, 1512), (Start: 153 @1533 has 11 MA's), (Start: 162 @1545 has 165 MA's), (Start: 225 @1656 has 18 MA's), (229, 1662), (279, 1740), (283, 1749), (295, 1797), (302, 1815), (330, 1884), (356, 1926), (361, 1932), (383, 1959), (426, 2079), (428, 2088), (458, 2169), (466, 2187), (548, 2283), (574, 2331), (579, 2343), (593, 2373), (604, 2397), (612, 2409), (667, 2487), (670, 2493), (766, 2637), (784, 2670), (825, 2724), (969, 2901), (1025, 2955),

Gene: BellaJr_4 Start: 1496, Stop: 3001, Start Num: 164

Candidate Starts for BellaJr_4:

(Start: 164 @1496 has 29 MA's), (255, 1640), (298, 1742), (300, 1748), (321, 1787), (331, 1820), (368, 1880), (387, 1925), (395, 1940), (417, 2000), (438, 2084), (442, 2096), (451, 2117), (461, 2141), (464, 2147), (469, 2162), (508, 2225), (523, 2246), (601, 2375), (671, 2483), (678, 2504), (709, 2555), (769, 2642), (811, 2702), (853, 2750), (874, 2783), (900, 2831), (974, 2915),

Gene: Belladonna_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Belladonna_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766,

2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Bellis_5 Start: 1186, Stop: 2751, Start Num: 79

Candidate Starts for Bellis_5:

(Start: 79 @1186 has 143 MA's), (Start: 82 @1192 has 6 MA's), (203, 1363), (281, 1468), (285, 1480), (343, 1636), (347, 1645), (354, 1648), (355, 1651), (398, 1726), (415, 1780), (416, 1783), (417, 1786), (522, 2017), (563, 2092), (577, 2113), (579, 2119), (624, 2188), (653, 2212), (664, 2230), (670, 2245), (732, 2359), (764, 2398), (768, 2404), (810, 2470), (877, 2560), (884, 2572), (920, 2611), (995, 2698), (1028, 2743), (1029, 2746),

Gene: BelmontSKP_4 Start: 1038, Stop: 2663, Start Num: 135

Candidate Starts for BelmontSKP_4:

(Start: 135 @1038 has 81 MA's), (Start: 158 @1065 has 9 MA's), (242, 1194), (285, 1248), (299, 1302), (307, 1317), (329, 1371), (335, 1386), (401, 1485), (417, 1536), (418, 1539), (431, 1599), (455, 1677), (705, 2130), (715, 2145), (956, 2496), (1058, 2652),

Gene: Belthelas_3 Start: 1125, Stop: 2585, Start Num: 107

Candidate Starts for Belthelas_3:

(Start: 107 @1125 has 136 MA's), (Start: 113 @1131 has 2 MA's), (237, 1293), (242, 1302), (278, 1362), (303, 1431), (316, 1452), (331, 1503), (430, 1707), (511, 1842), (553, 1920), (565, 1935), (580, 1971), (599, 2013), (621, 2046), (634, 2064), (710, 2184), (711, 2187), (719, 2199), (770, 2274), (810, 2337), (829, 2355), (831, 2358), (953, 2520), (959, 2529), (989, 2577),

Gene: Bengal_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for Bengal_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (335, 1037), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: Bennie_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Bennie_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (302, 762), (310, 780), (389, 942), (401, 963), (431, 1077), (449, 1137), (476, 1203), (495, 1236), (522, 1266), (529, 1281), (584, 1362), (630, 1440), (636, 1449), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (956, 1857),

Gene: Berka_4 Start: 780, Stop: 2345, Start Num: 63

Candidate Starts for Berka_4:

(Start: 63 @780 has 1 MA's), (Start: 76 @798 has 13 MA's), (103, 840), (Start: 145 @885 has 1 MA's), (163, 909), (171, 921), (Start: 213 @987 has 10 MA's), (218, 996), (241, 1032), (283, 1083), (291, 1119), (310, 1167), (329, 1212), (330, 1218), (331, 1221), (429, 1428), (433, 1446), (434, 1449), (493, 1566), (579, 1701), (586, 1719), (635, 1797), (670, 1836), (674, 1848), (686, 1875), (690, 1881), (715, 1923), (741, 1965), (750, 1974), (863, 2133), (918, 2205), (947, 2235), (968, 2268), (970, 2271), (1011, 2322),

Gene: Bern_8 Start: 1583, Stop: 3004, Start Num: 162

Candidate Starts for Bern_8:

(Start: 85 @1511 has 1 MA's), (Start: 153 @1571 has 11 MA's), (Start: 162 @1583 has 165 MA's), (Start: 225 @1694 has 18 MA's), (229, 1700), (279, 1778), (283, 1787), (295, 1835), (302, 1853), (330, 1922), (356, 1964), (361, 1970), (383, 1997), (386, 2000), (426, 2117), (428, 2126), (458, 2207), (548, 2321), (574, 2369), (579, 2381), (593, 2411), (604, 2435), (612, 2447), (670, 2531), (766, 2675), (784, 2708), (825, 2762), (969, 2939), (1025, 2993),

Gene: Bernstein_2 Start: 653, Stop: 2215, Start Num: 135

Candidate Starts for Bernstein_2:

(Start: 135 @653 has 81 MA's), (Start: 211 @761 has 3 MA's), (242, 809), (299, 917), (302, 923), (307, 932), (309, 938), (310, 941), (349, 1037), (401, 1100), (431, 1214), (449, 1274), (455, 1292), (572, 1520), (592, 1565), (678, 1703), (921, 2030), (1050, 2204), (1052, 2207),

Gene: BetterKatz_6 Start: 2231, Stop: 3661, Start Num: 235

Candidate Starts for BetterKatz_6:

(Start: 124 @2063 has 1 MA's), (127, 2066), (130, 2069), (Start: 136 @2075 has 13 MA's), (Start: 235 @2231 has 15 MA's), (244, 2249), (299, 2372), (310, 2390), (325, 2429), (328, 2438), (381, 2522), (417, 2606), (421, 2621), (429, 2654), (430, 2663), (451, 2720), (483, 2789), (518, 2852), (618, 3041), (629, 3053), (664, 3101), (679, 3143), (715, 3194), (764, 3269), (766, 3272), (779, 3299), (825, 3359), (854, 3392), (863, 3407), (884, 3443), (908, 3485), (927, 3512), (956, 3548), (960, 3554), (995, 3593),

Gene: Bhagsy_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Bhagsy_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (530, 1304), (540, 1325), (625, 1466), (639, 1478), (667, 1523), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: Bibble12_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Bibble12_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (732, 2045), (768, 2084), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: BigBoyz_1 Start: 31, Stop: 1653, Start Num: 115

Candidate Starts for BigBoyz_1:

(Start: 115 @31 has 16 MA's), (215, 169), (253, 238), (260, 247), (279, 280), (294, 334), (295, 337), (310, 373), (318, 385), (340, 451), (408, 565), (423, 622), (428, 640), (434, 664), (473, 766), (510, 811), (523, 829), (540, 865), (579, 946), (610, 1009), (672, 1090), (701, 1150), (726, 1192), (776, 1264), (783, 1276), (797, 1297), (849, 1360), (858, 1375), (880, 1414), (911, 1447), (912, 1450), (914, 1453),

Gene: BigCheese_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for BigCheese_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: BigMack_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for BigMack_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (275, 690), (299, 756), (310, 780), (389, 942), (431, 1077), (450, 1140), (495, 1236), (522, 1266), (584, 1362), (630, 1440), (636, 1449), (669, 1485), (707, 1557), (773, 1647), (799, 1689), (865, 1755), (956, 1857),

Gene: BigNuz_2 Start: 392, Stop: 2065, Start Num: 56

Candidate Starts for BigNuz_2:

(8, 179), (16, 275), (Start: 56 @392 has 50 MA's), (Start: 124 @485 has 1 MA's), (141, 503), (204, 608), (228, 647), (292, 773), (299, 794), (302, 800), (304, 803), (327, 857), (340, 890), (390, 980), (451, 1169), (511, 1265), (540, 1316), (625, 1457), (639, 1469), (667, 1514), (762, 1667), (766, 1676), (779, 1703), (789, 1718), (810, 1745), (825, 1763), (855, 1799), (890, 1862), (944, 1934), (1035, 2048),

Gene: BigPhil_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for BigPhil_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: BigSherm_5 Start: 1914, Stop: 3635, Start Num: 95

Candidate Starts for BigSherm_5:

(72, 1878), (Start: 95 @1914 has 13 MA's), (Start: 115 @1935 has 16 MA's), (180, 2010), (199, 2058), (Start: 213 @2079 has 10 MA's), (222, 2094), (242, 2127), (275, 2169), (278, 2172), (293, 2217), (299, 2235), (300, 2238), (302, 2241), (358, 2364), (371, 2388), (401, 2418), (431, 2532), (449, 2592), (457, 2613), (485, 2679), (553, 2844), (584, 2910), (592, 2925), (678, 3096), (741, 3195), (770, 3228), (792, 3264), (794, 3267), (837, 3309), (865, 3351), (913, 3399), (934, 3426), (937, 3429), (942, 3435), (985, 3498), (1041, 3576), (1058, 3624),

Gene: Binglebops_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Binglebops_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: BinkBonk_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for BinkBonk_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Bintii_3 Start: 1104, Stop: 2564, Start Num: 107

Candidate Starts for Bintii_3:

(Start: 107 @1104 has 136 MA's), (Start: 113 @1110 has 2 MA's), (237, 1272), (242, 1281), (278, 1341), (303, 1410), (316, 1431), (331, 1482), (430, 1686), (511, 1821), (553, 1899), (565, 1914), (571, 1932), (580, 1950), (599, 1992), (621, 2025), (634, 2043), (710, 2163), (711, 2166), (719, 2178), (725, 2190), (732, 2202), (770, 2253), (804, 2310), (810, 2316), (816, 2325), (829, 2334), (831, 2337), (953, 2499), (959, 2508), (964, 2517), (989, 2556),

Gene: Bipper_9 Start: 4723, Stop: 6342, Start Num: 73

Candidate Starts for Bipper_9:

(Start: 73 @4723 has 42 MA's), (Start: 167 @4831 has 21 MA's), (Start: 234 @4942 has 4 MA's), (315, 5119), (316, 5122), (336, 5182), (371, 5248), (372, 5251), (411, 5311), (413, 5317), (448, 5449), (449, 5452), (460, 5479), (546, 5581), (577, 5650), (582, 5662), (600, 5698), (604, 5707), (614, 5722), (618,

5728), (664, 5785), (672, 5803), (686, 5836), (700, 5860), (715, 5878), (761, 5947), (798, 6016), (800, 6019), (831, 6061), (898, 6139), (924, 6169), (955, 6211), (983, 6253), (991, 6268),

Gene: Biscayne_3 Start: 1101, Stop: 2561, Start Num: 107

Candidate Starts for Biscayne_3:

(Start: 107 @1101 has 136 MA's), (Start: 113 @1107 has 2 MA's), (237, 1269), (278, 1338), (303, 1407), (316, 1428), (331, 1479), (430, 1683), (571, 1929), (580, 1947), (599, 1989), (621, 2022), (634, 2040), (710, 2160), (711, 2163), (719, 2175), (725, 2187), (770, 2250), (804, 2307), (810, 2313), (816, 2322), (829, 2331), (831, 2334), (951, 2493), (953, 2496), (959, 2505),

Gene: Bjaner7_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Bjaner7_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: BlackSpider_2 Start: 495, Stop: 2000, Start Num: 164

Candidate Starts for BlackSpider_2:

(Start: 164 @495 has 29 MA's), (238, 624), (255, 639), (298, 741), (368, 879), (385, 921), (395, 939), (438, 1083), (442, 1095), (461, 1140), (464, 1146), (508, 1224), (523, 1245), (601, 1374), (668, 1476), (671, 1482), (709, 1554), (811, 1701), (853, 1749), (854, 1752), (874, 1782), (900, 1830),

Gene: Blair_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Blair_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (241, 974), (275, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (329, 1160), (349, 1205), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (435, 1391), (437, 1400), (461, 1466), (517, 1529), (525, 1541), (553, 1583), (566, 1601), (596, 1661), (630, 1718), (657, 1730), (667, 1754), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (800, 1979), (865, 2054), (868, 2063), (893, 2090), (947, 2147), (982, 2201), (1036, 2273),

Gene: Blarby_4 Start: 1188, Stop: 2708, Start Num: 151

Candidate Starts for Blarby_4:

(Start: 118 @1176 has 7 MA's), (Start: 151 @1188 has 89 MA's), (Start: 225 @1314 has 18 MA's), (231, 1323), (256, 1368), (274, 1398), (276, 1401), (281, 1407), (292, 1452), (300, 1476), (315, 1497), (328, 1539), (336, 1560), (353, 1587), (363, 1605), (365, 1608), (383, 1632), (400, 1659), (417, 1716), (426, 1752), (428, 1761), (430, 1773), (432, 1779), (439, 1794), (443, 1806), (456, 1839), (459, 1845), (478, 1881), (491, 1890), (505, 1920), (524, 1950), (526, 1953), (576, 2049), (579, 2058), (591, 2085), (645, 2169), (662, 2184), (727, 2295), (732, 2304), (739, 2313), (782, 2376), (844, 2451), (851, 2463), (869, 2481), (903, 2517), (938, 2559), (943, 2565), (969, 2607), (975, 2619), (984, 2631), (1040, 2697),

Gene: Blessica_31 Start: 13473, Stop: 14984, Start Num: 76

Candidate Starts for Blessica_31:

(Start: 73 @13470 has 42 MA's), (Start: 76 @13473 has 13 MA's), (Start: 211 @13653 has 3 MA's), (267, 13746), (294, 13821), (310, 13854), (321, 13881), (330, 13911), (415, 14064), (417, 14070), (426, 14106), (428, 14115), (458, 14196), (462, 14205), (464, 14208), (504, 14247), (544, 14304), (564, 14340), (566, 14343), (666, 14499), (670, 14508), (707, 14577), (713, 14586), (717, 14592), (739, 14625), (766, 14661), (825, 14748), (847, 14769), (903, 14832), (904, 14835), (907, 14838), (919, 14856), (938, 14877), (969, 14919), (999, 14955), (1019, 14967),

Gene: BlingBling_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for BlingBling_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (414, 891), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Blino_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for Blino_2:

(Start: 108 @334 has 52 MA's), (127, 355), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (299, 655), (315, 691), (327, 727), (330, 739), (343, 769), (355, 781), (356, 784), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (1049, 1942),

Gene: Blizzard_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Blizzard_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: BloominB_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for BloominB_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: BlueFeather_1 Start: 75, Stop: 1616, Start Num: 89

Candidate Starts for BlueFeather_1:

(Start: 89 @75 has 1 MA's), (137, 129), (Start: 213 @237 has 10 MA's), (215, 240), (241, 282), (293, 396), (296, 405), (310, 438), (316, 441), (329, 483), (330, 489), (334, 501), (338, 513), (416, 663), (429, 714), (434, 735), (454, 798), (537, 897), (547, 906), (593, 1002), (695, 1158), (713, 1188), (715, 1191), (764, 1260), (784, 1299), (827, 1353), (832, 1359), (854, 1386), (908, 1461), (953, 1515), (958, 1521), (966, 1533), (970, 1539), (982, 1557),

Gene: Blueberry_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for Blueberry_2:

(Start: 108 @334 has 52 MA's), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (296, 646), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (917, 1753), (1049, 1942),

Gene: Bobby_11 Start: 3839, Stop: 5371, Start Num: 167

Candidate Starts for Bobby_11:

(131, 3797), (139, 3806), (Start: 167 @3839 has 21 MA's), (Start: 235 @3953 has 15 MA's), (268, 4016), (284, 4049), (296, 4097), (328, 4172), (343, 4208), (398, 4283), (400, 4286), (410, 4322), (420, 4355), (546, 4604), (579, 4667), (592, 4694), (680, 4853), (704, 4889), (720, 4910), (725, 4919), (730, 4928), (766, 4982), (777, 5006), (855, 5087), (969, 5240), (977, 5252),

Gene: Bobi_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Bobi_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Bobquesha_9 Start: 2502, Stop: 3842, Start Num: 225

Candidate Starts for Bobquesha_9:

(Start: 162 @2397 has 165 MA's), (Start: 225 @2502 has 18 MA's), (267, 2571), (279, 2586), (283, 2595), (294, 2640), (295, 2643), (298, 2652), (300, 2658), (308, 2667), (313, 2679), (315, 2685), (330, 2736), (339, 2754), (361, 2784), (415, 2889), (426, 2931), (428, 2940), (429, 2943), (458, 3021), (462, 3030), (548, 3135), (572, 3177), (574, 3183), (593, 3225), (670, 3342), (689, 3384), (713, 3429), (764, 3498), (789, 3543), (804, 3564), (825, 3588), (903, 3672), (969, 3765), (1025, 3831), (1029, 3837),

Gene: BobsGarage_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for BobsGarage_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Bock_6 Start: 1981, Stop: 3411, Start Num: 235

Candidate Starts for Bock_6:

(Start: 124 @1813 has 1 MA's), (127, 1816), (130, 1819), (Start: 136 @1825 has 13 MA's), (Start: 235 @1981 has 15 MA's), (244, 1999), (299, 2122), (310, 2140), (325, 2179), (328, 2188), (381, 2272), (417, 2356), (421, 2371), (429, 2404), (451, 2470), (483, 2539), (518, 2602), (552, 2668), (618, 2791), (629, 2803), (664, 2851), (679, 2893), (715, 2944), (764, 3019), (766, 3022), (779, 3049), (825, 3109), (854, 3142), (863, 3157), (884, 3193), (908, 3235), (927, 3262), (956, 3298), (960, 3304), (995, 3343),

Gene: Bodacious_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Bodacious_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Bodhi17_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Bodhi17_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770,

2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: Bogie_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Bogie_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (540, 1325), (639, 1478), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: Boiiii_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Boiiii_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Boilgate_5 Start: 1550, Stop: 2998, Start Num: 162

Candidate Starts for Boilgate_5:

(90, 1493), (116, 1523), (Start: 162 @1550 has 165 MA's), (Start: 225 @1655 has 18 MA's), (267, 1724), (279, 1739), (283, 1748), (294, 1793), (295, 1796), (298, 1805), (300, 1811), (308, 1820), (313, 1832), (315, 1838), (330, 1889), (339, 1907), (361, 1937), (367, 1943), (414, 2036), (415, 2042), (422, 2069), (428, 2093), (429, 2096), (458, 2174), (462, 2183), (464, 2186), (505, 2231), (541, 2276), (548, 2288), (572, 2330), (574, 2336), (579, 2348), (593, 2378), (612, 2414), (621, 2429), (670, 2495), (689, 2537), (764, 2654), (799, 2714), (825, 2744), (869, 2792), (903, 2828), (969, 2921), (972, 2927), (1025, 2987),

Gene: BonaeVitae_3 Start: 778, Stop: 2235, Start Num: 107

Candidate Starts for BonaeVitae_3:

(Start: 107 @778 has 136 MA's), (237, 943), (303, 1081), (316, 1102), (327, 1138), (331, 1153), (415, 1294), (430, 1357), (437, 1381), (580, 1621), (599, 1663), (621, 1696), (634, 1714), (710, 1834), (719, 1849), (741, 1885), (770, 1924), (810, 1987), (831, 2008), (953, 2170), (964, 2188),

Gene: Bongo_14 Start: 4719, Stop: 6263, Start Num: 102

Candidate Starts for Bongo_14:

(Start: 102 @4719 has 21 MA's), (Start: 145 @4767 has 1 MA's), (282, 4968), (330, 5106), (425, 5298), (530, 5508), (558, 5559), (598, 5631), (667, 5694), (676, 5718), (682, 5733), (720, 5793), (727, 5805), (764, 5865), (782, 5898), (804, 5931), (827, 5958), (865, 6006), (995, 6192), (1008, 6213),

Gene: BoomRoasted_3 Start: 1125, Stop: 2585, Start Num: 107

Candidate Starts for BoomRoasted_3:

(Start: 107 @1125 has 136 MA's), (Start: 113 @1131 has 2 MA's), (237, 1293), (242, 1302), (278, 1362), (303, 1431), (316, 1452), (331, 1503), (430, 1707), (511, 1842), (553, 1920), (565, 1935), (580, 1971), (599, 2013), (621, 2046), (634, 2064), (710, 2184), (711, 2187), (719, 2199), (770, 2274), (810, 2337), (829, 2355), (831, 2358), (953, 2520), (959, 2529), (964, 2538), (989, 2577),

Gene: Boomer_3 Start: 797, Stop: 2158, Start Num: 225

Candidate Starts for Boomer_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732,

1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: BoostSeason_4 Start: 652, Stop: 2073, Start Num: 162

Candidate Starts for BoostSeason_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (361, 1030), (383, 1057), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (464, 1279), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (614, 1510), (670, 1588), (691, 1630), (713, 1660), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (969, 1996), (1025, 2062),

Gene: Bora_28 Start: 12903, Stop: 14414, Start Num: 76

Candidate Starts for Bora_28:

(Start: 73 @12900 has 42 MA's), (Start: 76 @12903 has 13 MA's), (Start: 211 @13083 has 3 MA's), (267, 13176), (294, 13251), (310, 13284), (321, 13311), (330, 13341), (415, 13494), (417, 13500), (426, 13536), (428, 13545), (458, 13626), (462, 13635), (464, 13638), (504, 13677), (544, 13734), (564, 13770), (566, 13773), (666, 13929), (670, 13938), (707, 14007), (713, 14016), (717, 14022), (739, 14055), (766, 14091), (825, 14178), (847, 14199), (903, 14262), (904, 14265), (907, 14268), (919, 14286), (938, 14307), (969, 14349), (996, 14382), (999, 14385), (1019, 14397),

Gene: Bosection6_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Bosection6_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: BotCity_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for BotCity_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (975, 2099), (984, 2111),

Gene: BourbonZero_4 Start: 1191, Stop: 2756, Start Num: 79

Candidate Starts for BourbonZero_4:

(38, 1140), (46, 1149), (Start: 79 @1191 has 143 MA's), (Start: 82 @1197 has 6 MA's), (203, 1368), (223, 1401), (281, 1473), (283, 1479), (285, 1485), (343, 1641), (347, 1650), (354, 1653), (355, 1656), (398, 1731), (415, 1785), (416, 1788), (417, 1791), (516, 2013), (522, 2022), (563, 2097), (577, 2118), (579, 2124), (595, 2151), (624, 2193), (653, 2217), (664, 2235), (667, 2244), (670, 2250), (732, 2364), (764, 2403), (768, 2409), (810, 2475), (855, 2529), (877, 2565), (884, 2577), (920, 2616), (995, 2703), (1028, 2748), (1029, 2751),

Gene: Bowser_2 Start: 522, Stop: 2105, Start Num: 136

Candidate Starts for Bowser_2:

(105, 489), (114, 498), (Start: 136 @522 has 13 MA's), (203, 624), (315, 840), (330, 888), (354, 930), (362, 948), (380, 960), (416, 1050), (446, 1155), (511, 1299), (540, 1350), (639, 1506), (667, 1554), (676, 1578), (732, 1665), (788, 1755), (810, 1785), (825, 1803), (875, 1872), (884, 1887), (888, 1899),

(895, 1911), (948, 1980),

Gene: Bradley2_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Bradley2_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (202, 1188), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Brahms_2 Start: 593, Stop: 2155, Start Num: 135

Candidate Starts for Brahms_2:

(Start: 135 @593 has 81 MA's), (Start: 211 @701 has 3 MA's), (242, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (349, 977), (401, 1040), (431, 1154), (449, 1214), (455, 1232), (572, 1460), (592, 1505), (678, 1643), (921, 1970), (1050, 2144), (1052, 2147),

Gene: BrainDrainer_4 Start: 771, Stop: 2333, Start Num: 79

Candidate Starts for BrainDrainer_4:

(Start: 79 @771 has 143 MA's), (Start: 82 @777 has 6 MA's), (194, 927), (238, 993), (264, 1023), (281, 1047), (286, 1062), (296, 1104), (355, 1230), (417, 1368), (422, 1389), (428, 1413), (455, 1488), (477, 1536), (530, 1614), (540, 1635), (555, 1659), (558, 1665), (577, 1695), (579, 1701), (598, 1737), (670, 1827), (727, 1932), (732, 1941), (756, 1965), (768, 1986), (810, 2052), (884, 2154), (991, 2274), (995, 2280), (1008, 2301), (1028, 2325),

Gene: Bran_2 Start: 373, Stop: 1959, Start Num: 126

Candidate Starts for Bran_2:

(Start: 126 @373 has 4 MA's), (Start: 129 @376 has 4 MA's), (Start: 135 @382 has 81 MA's), (180, 442), (246, 553), (275, 631), (284, 640), (348, 814), (413, 916), (416, 925), (418, 931), (419, 940), (434, 1000), (448, 1048), (449, 1051), (512, 1114), (561, 1207), (690, 1429), (701, 1447), (758, 1534), (781, 1570), (790, 1585), (811, 1612), (813, 1615), (821, 1630), (822, 1636), (841, 1663), (852, 1678), (879, 1726), (922, 1774), (973, 1849), (1029, 1924), (1046, 1948),

Gene: BrayBeast_2 Start: 311, Stop: 1759, Start Num: 153

Candidate Starts for BrayBeast_2:

(37, 170), (40, 173), (Start: 50 @185 has 3 MA's), (100, 257), (Start: 153 @311 has 11 MA's), (Start: 187 @371 has 6 MA's), (198, 392), (Start: 211 @413 has 3 MA's), (232, 446), (251, 482), (281, 527), (282, 530), (290, 566), (295, 581), (310, 611), (321, 638), (361, 716), (428, 872), (429, 875), (469, 980), (570, 1106), (574, 1115), (665, 1256), (667, 1262), (670, 1268), (703, 1328), (707, 1334), (732, 1373), (756, 1400), (762, 1409), (810, 1487), (825, 1505), (879, 1562), (972, 1682), (986, 1703), (1025, 1748),

Gene: Breezona_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Breezona_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Bri160_3 Start: 1125, Stop: 2585, Start Num: 107

Candidate Starts for Bri160_3:

(Start: 107 @1125 has 136 MA's), (Start: 113 @1131 has 2 MA's), (237, 1293), (242, 1302), (278, 1362), (303, 1431), (316, 1452), (331, 1503), (430, 1707), (511, 1842), (553, 1920), (565, 1935), (580, 1971), (599, 2013), (621, 2046), (634, 2064), (710, 2184), (711, 2187), (719, 2199), (770, 2274), (810, 2337), (829, 2355), (831, 2358), (953, 2520), (959, 2529), (964, 2538), (989, 2577),

Gene: Bricole_14 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for Bricole_14:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (Start: 235 @4907 has 15 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: BrokMonster_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for BrokMonster_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Bromden_4 Start: 815, Stop: 2377, Start Num: 79

Candidate Starts for Bromden_4:

(Start: 79 @815 has 143 MA's), (Start: 82 @821 has 6 MA's), (194, 971), (223, 1019), (238, 1037), (267, 1073), (296, 1148), (347, 1268), (355, 1274), (415, 1406), (417, 1412), (422, 1433), (455, 1532), (477, 1580), (530, 1658), (540, 1679), (555, 1703), (558, 1709), (577, 1739), (579, 1745), (595, 1772), (598, 1781), (653, 1838), (667, 1865), (670, 1871), (704, 1937), (727, 1976), (732, 1985), (756, 2009), (768, 2030), (810, 2096), (812, 2099), (991, 2318), (995, 2324), (1008, 2345), (1028, 2369),

Gene: BronnyJames_6 Start: 2259, Stop: 3791, Start Num: 167

Candidate Starts for BronnyJames_6:

(Start: 94 @2175 has 4 MA's), (131, 2217), (139, 2226), (Start: 167 @2259 has 21 MA's), (Start: 235 @2373 has 15 MA's), (284, 2469), (285, 2472), (296, 2517), (328, 2592), (398, 2703), (400, 2706), (410, 2742), (420, 2775), (546, 3024), (579, 3087), (592, 3114), (617, 3159), (680, 3273), (704, 3309), (725, 3339), (730, 3348), (766, 3402), (777, 3426), (969, 3660), (977, 3672),

Gene: BronnyJr_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for BronnyJr_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Brookers_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Brookers_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: BrotherBLo_5 Start: 3292, Stop: 4647, Start Num: 234

Candidate Starts for BrotherBLo_5:

(Start: 79 @3082 has 143 MA's), (Start: 234 @3292 has 4 MA's), (275, 3346), (296, 3403), (299, 3412), (411, 3652), (416, 3667), (418, 3673), (431, 3733), (449, 3793), (495, 3892), (522, 3922), (529, 3937), (584, 4018), (630, 4096), (636, 4105), (669, 4141), (686, 4180), (707, 4213), (715, 4222), (730, 4249), (773, 4303), (799, 4345), (852, 4390), (865, 4411), (877, 4435), (956, 4513), (1045, 4633),

Gene: BruceB_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for BruceB_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: BruceLethal_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for BruceLethal_2:

(Start: 157 @373 has 40 MA's), (174, 397), (186, 430), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (398, 847), (404, 856), (417, 904), (422, 925), (428, 949), (430, 961), (457, 1036), (458, 1039), (553, 1174), (570, 1201), (579, 1222), (620, 1288), (652, 1330), (658, 1339), (664, 1351), (679, 1393), (704, 1435), (711, 1447), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (817, 1597), (838, 1615), (843, 1621), (872, 1663), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (962, 1786), (967, 1792), (974, 1801), (977, 1807), (995, 1828), (1023, 1870), (1028, 1876),

Gene: Brusacoram_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Brusacoram_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Brushbloom_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Brushbloom_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (274, 880), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (328, 1021), (336, 1042), (353, 1069), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101),

Gene: Bryler_7 Start: 1509, Stop: 2936, Start Num: 162

Candidate Starts for Bryler_7:

(Start: 162 @1509 has 165 MA's), (Start: 211 @1599 has 3 MA's), (Start: 225 @1623 has 18 MA's), (229, 1629), (279, 1707), (283, 1716), (295, 1764), (302, 1782), (330, 1851), (355, 1890), (361, 1899), (383, 1926), (415, 2004), (426, 2046), (428, 2055), (458, 2136), (503, 2184), (548, 2250), (572, 2292), (574, 2298), (579, 2310), (581, 2316), (593, 2340), (604, 2364), (608, 2370), (621, 2391), (670, 2460), (691, 2502), (762, 2595), (764, 2601), (766, 2604), (784, 2637), (804, 2667), (825, 2691), (869, 2739), (969, 2868), (1025, 2925), (1029, 2931),

Gene: Brylie_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Brylie_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Brynnie_3 Start: 689, Stop: 2335, Start Num: 84

Candidate Starts for Brynnie_3:

(Start: 84 @689 has 12 MA's), (Start: 150 @755 has 12 MA's), (Start: 213 @851 has 10 MA's), (218, 860), (285, 953), (294, 992), (299, 1007), (310, 1031), (356, 1133), (411, 1223), (431, 1304), (435, 1316), (436, 1322), (449, 1364), (457, 1385), (482, 1445), (493, 1475), (498, 1484), (536, 1547), (594, 1664), (664, 1763), (669, 1775), (705, 1841), (715, 1856), (732, 1886), (768, 1925), (772, 1934), (775, 1943), (799, 1979), (840, 2033), (985, 2243), (1017, 2285), (1047, 2324),

Gene: BubbaBear_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for BubbaBear_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: Budski_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for Budski_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: Buldak_3 Start: 997, Stop: 2574, Start Num: 135

Candidate Starts for Buldak_3:

(Start: 135 @997 has 81 MA's), (242, 1153), (285, 1207), (299, 1261), (321, 1306), (401, 1444), (417, 1495), (431, 1558), (448, 1615), (455, 1636), (462, 1651), (493, 1723), (606, 1936), (621, 1960), (664, 2011), (665, 2014), (669, 2023), (678, 2047), (877, 2317), (921, 2389), (985, 2476), (994, 2494), (1052, 2566),

Gene: Bullzi2019_3 Start: 1095, Stop: 2555, Start Num: 107

Candidate Starts for Bullzi2019_3:

(Start: 107 @1095 has 136 MA's), (Start: 113 @1101 has 2 MA's), (237, 1263), (242, 1272), (278, 1332), (303, 1401), (316, 1422), (331, 1473), (430, 1677), (511, 1812), (553, 1890), (565, 1905), (571, 1923), (580, 1941), (599, 1983), (621, 2016), (634, 2034), (710, 2154), (711, 2157), (719, 2169), (725, 2181), (732, 2193), (770, 2244), (804, 2301), (810, 2307), (816, 2316), (829, 2325), (831, 2328), (953, 2490), (959, 2499), (964, 2508), (989, 2547),

Gene: Bunker_2 Start: 522, Stop: 2105, Start Num: 136

Candidate Starts for Bunker_2:

(105, 489), (114, 498), (116, 501), (Start: 136 @522 has 13 MA's), (330, 888), (362, 948), (380, 960), (416, 1050), (446, 1155), (511, 1299), (596, 1446), (639, 1506), (676, 1578), (732, 1665), (779, 1743), (788, 1755), (810, 1785), (825, 1803), (875, 1872), (884, 1887), (888, 1899), (895, 1911),

Gene: Bunnies_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Bunnies_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (625, 1478), (639, 1490), (667, 1535), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Burgy_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Burgy_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Burritobowl_3 Start: 687, Stop: 2315, Start Num: 135

Candidate Starts for Burritobowl_3:

(Start: 135 @687 has 81 MA's), (242, 843), (299, 951), (335, 1035), (356, 1077), (401, 1134), (417, 1185), (418, 1188), (431, 1248), (436, 1266), (445, 1296), (455, 1326), (705, 1782), (715, 1797), (956, 2148), (987, 2196), (1058, 2304),

Gene: BurtonThePup_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for BurtonThePup_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Butters_2 Start: 498, Stop: 2030, Start Num: 164

Candidate Starts for Butters_2:

(Start: 160 @495 has 25 MA's), (Start: 164 @498 has 29 MA's), (Start: 175 @513 has 1 MA's), (200, 570), (212, 588), (219, 600), (273, 672), (290, 720), (293, 729), (321, 792), (354, 864), (377, 912), (416, 1011), (429, 1062), (455, 1134), (462, 1149), (469, 1167), (536, 1275), (546, 1299), (579, 1362), (631, 1446), (667, 1503), (673, 1518), (704, 1575), (716, 1593), (731, 1620), (766, 1689), (799, 1746), (816, 1755), (841, 1776), (867, 1809), (889, 1845), (900, 1860), (969, 1941), (974, 1947),

Gene: BuzzLyseyear_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for BuzzLyseyear_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (251, 844), (256, 850), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (328, 1021), (336, 1042), (353, 1069), (357, 1078), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: CGermain_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for CGermain_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: CLED96_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for CLED96_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: CREW_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for CREW_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: CabbageMan_2 Start: 437, Stop: 1996, Start Num: 49

Candidate Starts for CabbageMan_2:

(33, 419), (Start: 49 @437 has 4 MA's), (134, 533), (137, 536), (161, 563), (Start: 213 @644 has 10 MA's), (218, 653), (Start: 234 @680 has 4 MA's), (277, 734), (283, 740), (294, 785), (326, 860), (327, 863), (329, 869), (330, 875), (331, 878), (340, 896), (356, 929), (415, 1031), (434, 1106), (441, 1130), (492, 1220), (493, 1223), (517, 1250), (520, 1253), (535, 1277), (538, 1286), (570, 1337), (579, 1358), (596, 1394), (618, 1430), (635, 1454), (674, 1505), (679, 1520), (686, 1532), (715, 1577), (721, 1589), (815, 1730), (860, 1781), (863, 1787), (976, 1934), (982, 1943), (987, 1952),

Gene: CactusJack_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for CactusJack_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Cain_7 Start: 1509, Stop: 2936, Start Num: 162

Candidate Starts for Cain_7:

(Start: 162 @1509 has 165 MA's), (Start: 211 @1599 has 3 MA's), (Start: 225 @1623 has 18 MA's), (229, 1629), (279, 1707), (283, 1716), (295, 1764), (302, 1782), (330, 1851), (355, 1890), (361, 1899), (383, 1926), (415, 2004), (426, 2046), (428, 2055), (458, 2136), (503, 2184), (548, 2250), (572, 2292), (574, 2298), (579, 2310), (581, 2316), (593, 2340), (604, 2364), (608, 2370), (621, 2391), (670, 2460), (691, 2502), (762, 2595), (764, 2601), (766, 2604), (784, 2637), (804, 2667), (825, 2691), (869, 2739), (969, 2868), (1025, 2925), (1029, 2931),

Gene: CallaLilly_8 Start: 1563, Stop: 2984, Start Num: 162

Candidate Starts for CallaLilly_8:

(Start: 85 @1491 has 1 MA's), (Start: 153 @1551 has 11 MA's), (Start: 162 @1563 has 165 MA's), (Start: 225 @1674 has 18 MA's), (229, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (330, 1902), (356, 1944), (361, 1950), (383, 1977), (386, 1980), (426, 2097), (428, 2106), (458, 2187), (548, 2301), (574, 2349), (579, 2361), (593, 2391), (604, 2415), (612, 2427), (621, 2442), (667, 2505), (670, 2511), (766, 2655), (784, 2688), (825, 2742), (969, 2919), (1025, 2973),

Gene: CallieOMalley_5 Start: 3069, Stop: 4637, Start Num: 79

Candidate Starts for CallieOMalley_5:

(Start: 79 @3069 has 143 MA's), (218, 3255), (237, 3285), (275, 3336), (285, 3348), (296, 3393), (310, 3426), (356, 3528), (401, 3609), (416, 3657), (431, 3723), (445, 3771), (448, 3780), (479, 3855), (495, 3882), (522, 3912), (545, 3951), (669, 4131), (707, 4203), (730, 4239), (799, 4335), (865, 4401), (901, 4431), (905, 4437), (956, 4503), (1045, 4623),

Gene: CallinAllBarbz_2 Start: 466, Stop: 1968, Start Num: 119

Candidate Starts for CallinAllBarbz_2:

(Start: 119 @466 has 2 MA's), (Start: 148 @490 has 1 MA's), (200, 571), (219, 601), (327, 808), (329, 814), (404, 931), (426, 1015), (429, 1027), (430, 1036), (447, 1093), (486, 1165), (539, 1252), (570,

1309), (680, 1501), (685, 1510), (766, 1624), (807, 1690), (900, 1795), (933, 1837), (1021, 1957),

Gene: Calm_4 Start: 1058, Stop: 2635, Start Num: 82

Candidate Starts for Calm_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Camara_2 Start: 371, Stop: 1993, Start Num: 95

Candidate Starts for Camara_2:

(Start: 84 @350 has 12 MA's), (Start: 95 @371 has 13 MA's), (275, 602), (278, 605), (285, 614), (293, 650), (299, 668), (331, 746), (401, 851), (431, 965), (438, 989), (449, 1025), (457, 1046), (464, 1061), (490, 1121), (536, 1205), (664, 1421), (669, 1433), (679, 1460), (705, 1499), (707, 1505), (732, 1544), (757, 1571), (768, 1583), (785, 1616), (794, 1628), (818, 1661), (934, 1832), (985, 1901), (987, 1907), (1003, 1928), (1022, 1949), (1045, 1979), (1047, 1982), (1048, 1985),

Gene: Cambiare_3 Start: 925, Stop: 2397, Start Num: 170

Candidate Starts for Cambiare_3:

(64, 826), (Start: 74 @841 has 22 MA's), (Start: 170 @925 has 43 MA's), (Start: 181 @940 has 1 MA's), (282, 1114), (295, 1165), (315, 1201), (335, 1261), (417, 1426), (426, 1462), (430, 1483), (442, 1513), (458, 1552), (574, 1714), (604, 1777), (614, 1792), (643, 1837), (644, 1840), (670, 1888), (679, 1912), (732, 1987), (766, 2038), (782, 2068), (784, 2071), (789, 2080), (799, 2095), (804, 2101), (810, 2107), (846, 2146), (893, 2197), (903, 2212), (965, 2299), (969, 2305), (1025, 2386), (1029, 2392),

Gene: Camri_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Camri_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Camster_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Camster_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Canowicakte_5 Start: 3104, Stop: 4672, Start Num: 79

Candidate Starts for Canowicakte_5:

(Start: 79 @3104 has 143 MA's), (218, 3290), (237, 3320), (275, 3371), (285, 3383), (291, 3413), (296, 3428), (310, 3461), (356, 3563), (401, 3644), (416, 3692), (431, 3758), (445, 3806), (448, 3815), (450, 3821), (479, 3890), (495, 3917), (522, 3947), (545, 3986), (669, 4166), (707, 4238), (730, 4274), (799, 4370), (865, 4436), (901, 4466), (905, 4472), (956, 4538), (1045, 4658),

Gene: Capricorn_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Capricorn_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330,

1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: CaptainKirk2_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for CaptainKirk2_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Carcharodon_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Carcharodon_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: CardboardBox_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for CardboardBox_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: CarefulCloud_2 Start: 351, Stop: 1808, Start Num: 96

Candidate Starts for CarefulCloud_2:

(Start: 96 @351 has 1 MA's), (Start: 104 @360 has 2 MA's), (Start: 110 @366 has 6 MA's), (301, 627), (305, 633), (330, 699), (415, 849), (417, 855), (429, 903), (446, 966), (559, 1119), (595, 1191), (623, 1239), (667, 1287), (698, 1350), (769, 1461), (806, 1518), (857, 1569), (865, 1581), (915, 1644), (932, 1662), (1003, 1764), (1032, 1797),

Gene: CarolAnn_2 Start: 333, Stop: 1958, Start Num: 108

Candidate Starts for CarolAnn_2:

(Start: 108 @333 has 52 MA's), (127, 354), (Start: 133 @360 has 34 MA's), (209, 474), (214, 483), (238, 516), (246, 534), (257, 549), (270, 570), (282, 591), (299, 654), (315, 690), (327, 726), (330, 738), (343, 768), (355, 780), (356, 783), (446, 1002), (452, 1017), (458, 1032), (460, 1035), (511, 1110), (540, 1161), (639, 1317), (656, 1338), (658, 1341), (704, 1428), (711, 1440), (732, 1473), (735, 1476), (762, 1515), (766, 1524), (810, 1593), (812, 1596), (862, 1656), (863, 1659), (866, 1668), (908, 1737), (1049, 1941),

Gene: Carpal_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Carpal_5:

(Start: 79 @3082 has 143 MA's), (Start: 234 @3292 has 4 MA's), (275, 3346), (296, 3403), (299, 3412), (411, 3652), (416, 3667), (418, 3673), (431, 3733), (449, 3793), (495, 3892), (522, 3922), (529, 3937), (584, 4018), (630, 4096), (636, 4105), (669, 4141), (686, 4180), (707, 4213), (715, 4222), (730, 4249), (773, 4303), (799, 4345), (852, 4390), (865, 4411), (877, 4435), (956, 4513), (1045, 4633),

Gene: CaseJules_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for CaseJules_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Cashington_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for Cashington_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (321, 986), (327, 1004), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (419, 1187), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: CassieYates_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for CassieYates_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Cassini_2 Start: 460, Stop: 1965, Start Num: 164

Candidate Starts for Cassini_2:

(Start: 164 @460 has 29 MA's), (Start: 182 @493 has 6 MA's), (255, 604), (299, 709), (331, 784), (360, 835), (368, 844), (395, 904), (438, 1048), (442, 1060), (461, 1105), (464, 1111), (469, 1126), (508, 1189), (523, 1210), (597, 1333), (601, 1339), (668, 1441), (671, 1447), (709, 1519), (811, 1666), (853, 1714), (854, 1717), (874, 1747), (900, 1795), (974, 1879),

Gene: Catdawg_30 Start: 13079, Stop: 14590, Start Num: 76

Candidate Starts for Catdawg_30:

(Start: 73 @13076 has 42 MA's), (Start: 76 @13079 has 13 MA's), (Start: 211 @13259 has 3 MA's), (267, 13352), (294, 13427), (310, 13460), (321, 13487), (330, 13517), (415, 13670), (417, 13676), (426, 13712), (428, 13721), (458, 13802), (462, 13811), (464, 13814), (504, 13853), (544, 13910), (564, 13946), (566, 13949), (666, 14105), (670, 14114), (707, 14183), (713, 14192), (717, 14198), (739, 14231), (766, 14267), (825, 14354), (847, 14375), (903, 14438), (904, 14441), (907, 14444), (919, 14462), (938, 14483), (969, 14525), (999, 14561), (1019, 14573),

Gene: Catfish_6 Start: 2518, Stop: 4161, Start Num: 69

Candidate Starts for Catfish_6:

(Start: 69 @2518 has 1 MA's), (296, 2854), (316, 2890), (321, 2908), (401, 3046), (413, 3085), (418, 3100), (438, 3184), (439, 3187), (440, 3190), (449, 3220), (584, 3424), (693, 3634), (706, 3655), (715, 3667), (739, 3706), (770, 3742), (773, 3748), (882, 3919), (905, 3952), (956, 4018), (987, 4066), (1054, 4153),

Gene: Cayde6_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Cayde6_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Cazares_3 Start: 1068, Stop: 2522, Start Num: 113

Candidate Starts for Cazares_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571, 1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: Cedasite_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Cedasite_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Celaena_3 Start: 875, Stop: 2440, Start Num: 135

Candidate Starts for Celaena_3:

(Start: 135 @875 has 81 MA's), (242, 1031), (299, 1139), (331, 1217), (336, 1226), (347, 1253), (401, 1322), (417, 1373), (431, 1436), (455, 1514), (592, 1787), (769, 2054), (770, 2057), (994, 2357), (1022, 2387), (1052, 2432),

Gene: Cerasum_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Cerasum_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: ChamoyPickle_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for ChamoyPickle_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: Chance64_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Chance64_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Chancellor_9 Start: 2478, Stop: 3920, Start Num: 162

Candidate Starts for Chancellor_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3909), (1029, 3915),

Gene: Charbie_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for Charbie_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (553, 1857), (565, 1872), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (770, 2211), (810, 2274), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: Charlie_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Charlie_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Chaser_4 Start: 816, Stop: 2378, Start Num: 79

Candidate Starts for Chaser_4:

(Start: 79 @816 has 143 MA's), (Start: 82 @822 has 6 MA's), (194, 972), (238, 1038), (264, 1068), (281, 1092), (285, 1104), (296, 1149), (355, 1275), (417, 1413), (428, 1458), (455, 1533), (477, 1581), (530, 1659), (540, 1680), (555, 1704), (558, 1710), (577, 1740), (579, 1746), (598, 1782), (653, 1839), (670, 1872), (727, 1977), (732, 1986), (756, 2010), (768, 2031), (810, 2097), (884, 2199), (991, 2319), (995, 2325), (1008, 2346), (1028, 2370),

Gene: Chatham_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Chatham_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Chavito_8 Start: 1661, Stop: 3091, Start Num: 162

Candidate Starts for Chavito_8:

(105, 1619), (Start: 162 @1661 has 165 MA's), (Start: 211 @1751 has 3 MA's), (Start: 225 @1775 has 18 MA's), (229, 1781), (249, 1820), (279, 1859), (283, 1868), (285, 1874), (295, 1916), (302, 1934), (315, 1952), (330, 2003), (361, 2051), (383, 2078), (426, 2198), (428, 2207), (458, 2288), (503, 2336), (548, 2402), (574, 2450), (579, 2462), (593, 2492), (604, 2516), (621, 2543), (670, 2612), (691, 2654), (727, 2708), (762, 2747), (766, 2756), (804, 2819), (825, 2843), (904, 2933), (969, 3023), (972, 3029), (1003, 3062), (1025, 3080), (1029, 3086),

Gene: Che9c_2 Start: 500, Stop: 2047, Start Num: 168

Candidate Starts for Che9c_2:

(Start: 158 @488 has 9 MA's), (Start: 168 @500 has 24 MA's), (200, 566), (212, 584), (282, 677), (299, 740), (321, 785), (331, 818), (366, 881), (378, 914), (398, 950), (410, 989), (416, 1004), (426, 1043), (429, 1055), (433, 1073), (440, 1088), (455, 1127), (472, 1166), (536, 1268), (546, 1292), (647, 1454), (667, 1496), (682, 1535), (731, 1610), (746, 1640), (816, 1754), (878, 1844), (900, 1880), (910, 1895), (961, 1961), (969, 1970), (974, 1976), (981, 1988), (993, 1997), (1014, 2024),

Gene: Che9d_3 Start: 673, Stop: 2193, Start Num: 151

Candidate Starts for Che9d_3:

(Start: 118 @661 has 7 MA's), (Start: 151 @673 has 89 MA's), (Start: 225 @799 has 18 MA's), (231, 808), (256, 853), (274, 883), (276, 886), (281, 892), (292, 937), (300, 961), (353, 1072), (363, 1090), (365, 1093), (383, 1117), (417, 1201), (426, 1237), (428, 1246), (430, 1258), (432, 1264), (439, 1279), (443, 1291), (453, 1318), (456, 1324), (459, 1330), (478, 1366), (491, 1375), (505, 1405), (524, 1435), (526, 1438), (576, 1534), (579, 1543), (591, 1570), (645, 1654), (662, 1669), (727, 1780), (732, 1789),

(739, 1798), (782, 1861), (844, 1936), (851, 1948), (869, 1966), (903, 2002), (938, 2044), (943, 2050), (969, 2092), (975, 2104), (984, 2116), (1040, 2182),

Gene: CheeseDanish_4 Start: 607, Stop: 2163, Start Num: 49

Candidate Starts for CheeseDanish_4:

(Start: 49 @607 has 4 MA's), (61, 619), (Start: 95 @658 has 13 MA's), (134, 700), (137, 703), (161, 730), (Start: 213 @811 has 10 MA's), (218, 820), (Start: 234 @847 has 4 MA's), (277, 901), (283, 907), (294, 952), (326, 1027), (327, 1030), (329, 1036), (330, 1042), (331, 1045), (340, 1063), (434, 1273), (492, 1387), (493, 1390), (517, 1417), (520, 1420), (535, 1444), (538, 1453), (570, 1504), (579, 1525), (618, 1597), (635, 1621), (674, 1672), (679, 1687), (686, 1699), (715, 1744), (721, 1756), (860, 1948), (863, 1954), (976, 2101), (982, 2110), (987, 2119),

Gene: CheeseSpider_2 Start: 352, Stop: 1959, Start Num: 124

Candidate Starts for CheeseSpider_2:

(Start: 108 @334 has 52 MA's), (Start: 124 @352 has 1 MA's), (127, 355), (Start: 133 @361 has 34 MA's), (209, 475), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (285, 601), (291, 631), (299, 655), (315, 691), (327, 727), (330, 739), (343, 769), (355, 781), (356, 784), (431, 961), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (766, 1525), (784, 1558), (799, 1582), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (1049, 1942),

Gene: CheeseTouch_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for CheeseTouch_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: Cheesecake_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Cheesecake_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: CheetoDust_8 Start: 1613, Stop: 3034, Start Num: 162

Candidate Starts for CheetoDust_8:

(Start: 85 @1541 has 1 MA's), (Start: 153 @1601 has 11 MA's), (Start: 162 @1613 has 165 MA's), (Start: 225 @1724 has 18 MA's), (229, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (330, 1952), (356, 1994), (361, 2000), (383, 2027), (386, 2030), (426, 2147), (428, 2156), (458, 2237), (548, 2351), (574, 2399), (579, 2411), (593, 2441), (604, 2465), (612, 2477), (667, 2555), (670, 2561), (766, 2705), (784, 2738), (825, 2792), (969, 2969), (1025, 3023),

Gene: Cheetobro_9 Start: 2478, Stop: 3920, Start Num: 162

Candidate Starts for Cheetobro_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3909), (1029, 3915),

Gene: Cherrybomb426_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Cherrybomb426_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Chestnut_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Chestnut_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: ChewChew_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for ChewChew_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Chewbacca_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Chewbacca_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Chickaboom_2 Start: 410, Stop: 1990, Start Num: 150

Candidate Starts for Chickaboom_2:

(68, 320), (Start: 84 @344 has 12 MA's), (Start: 150 @410 has 12 MA's), (Start: 213 @506 has 10 MA's), (218, 515), (285, 608), (294, 647), (299, 662), (431, 959), (435, 971), (436, 977), (449, 1019), (457, 1040), (482, 1100), (493, 1130), (498, 1139), (536, 1202), (664, 1418), (669, 1430), (705, 1496), (715, 1511), (732, 1541), (768, 1580), (772, 1589), (775, 1598), (840, 1688), (985, 1898), (1047, 1979),

Gene: ChickenDinner_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for ChickenDinner_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (699, 1745), (732, 1790), (782, 1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: Chicken_3 Start: 749, Stop: 2329, Start Num: 150

Candidate Starts for Chicken_3:

(Start: 84 @689 has 12 MA's), (Start: 150 @749 has 12 MA's), (Start: 213 @845 has 10 MA's), (218, 854), (Start: 224 @863 has 1 MA's), (237, 884), (275, 935), (294, 986), (299, 1001), (321, 1046), (419, 1247), (431, 1298), (438, 1322), (449, 1358), (457, 1379), (482, 1439), (493, 1469), (498, 1478), (536, 1541), (662, 1751), (669, 1769), (705, 1835), (707, 1841), (715, 1850), (732, 1880), (768, 1919), (818, 1997), (850, 2042), (857, 2054), (934, 2168), (985, 2237), (987, 2243), (994, 2255), (1003, 2264), (1047, 2318),

Gene: ChiliPepper_3 Start: 944, Stop: 2563, Start Num: 135

Candidate Starts for ChiliPepper_3:

(1, 410), (Start: 123 @938 has 2 MA's), (Start: 135 @944 has 81 MA's), (242, 1100), (293, 1190), (299, 1208), (307, 1223), (335, 1292), (343, 1313), (344, 1316), (356, 1334), (401, 1391), (417, 1442), (418, 1445), (431, 1505), (437, 1526), (445, 1553), (455, 1583), (632, 1922), (713, 2045), (926, 2360), (956, 2399), (1045, 2516),

Gene: ChipsNGuac_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for ChipsNGuac_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: Cholula_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Cholula_5:

(Start: 79 @3127 has 143 MA's), (Start: 234 @3337 has 4 MA's), (275, 3391), (299, 3457), (310, 3481), (411, 3697), (416, 3712), (418, 3718), (431, 3778), (449, 3838), (495, 3937), (522, 3967), (529, 3982), (584, 4063), (630, 4141), (636, 4150), (669, 4186), (686, 4225), (707, 4258), (715, 4267), (730, 4294), (773, 4348), (799, 4390), (852, 4435), (865, 4456), (956, 4558), (1045, 4678),

Gene: Chop_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Chop_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Chridison_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Chridison_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (296, 750), (299, 759), (310, 783), (331, 837), (401, 966), (416, 1014), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (636, 1452), (686, 1527), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: Chris_7 Start: 1525, Stop: 2949, Start Num: 162

Candidate Starts for Chris_7:

(Start: 162 @1525 has 165 MA's), (198, 1591), (Start: 211 @1612 has 3 MA's), (Start: 225 @1636 has 18 MA's), (249, 1681), (279, 1720), (283, 1729), (295, 1777), (302, 1795), (315, 1813), (330, 1864), (383, 1939), (415, 2017), (426, 2059), (428, 2068), (458, 2149), (548, 2263), (572, 2305), (574, 2311), (579, 2323), (593, 2353), (621, 2404), (670, 2473), (691, 2515), (766, 2617), (782, 2647), (784, 2650), (810, 2686), (825, 2704), (854, 2737), (972, 2887), (1025, 2938),

Gene: Christian_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Christian_2:

(Start: 79 @426 has 143 MA's), (180, 549), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522,

1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (836, 1710), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Chubbello_2 Start: 412, Stop: 2088, Start Num: 56

Candidate Starts for Chubbello_2:

(Start: 56 @412 has 50 MA's), (204, 628), (228, 667), (266, 724), (270, 730), (280, 748), (292, 793), (296, 805), (299, 814), (302, 820), (327, 877), (335, 898), (340, 910), (390, 1000), (451, 1189), (511, 1285), (530, 1315), (540, 1336), (639, 1489), (762, 1687), (766, 1696), (779, 1723), (810, 1765), (825, 1783), (884, 1867), (890, 1882), (1035, 2071),

Gene: ChutneyChips_3 Start: 816, Stop: 2378, Start Num: 79

Candidate Starts for ChutneyChips_3:

(Start: 79 @816 has 143 MA's), (Start: 82 @822 has 6 MA's), (194, 972), (238, 1038), (264, 1068), (281, 1092), (285, 1104), (355, 1275), (417, 1413), (428, 1458), (455, 1533), (477, 1581), (522, 1644), (530, 1659), (540, 1680), (555, 1704), (558, 1710), (577, 1740), (579, 1746), (598, 1782), (653, 1839), (670, 1872), (727, 1977), (732, 1986), (756, 2010), (768, 2031), (810, 2097), (884, 2199), (991, 2319), (995, 2325), (1008, 2346), (1028, 2370),

Gene: CicholasNage_4 Start: 1059, Stop: 2636, Start Num: 82

Candidate Starts for CicholasNage_4:

(Start: 79 @1053 has 143 MA's), (Start: 82 @1059 has 6 MA's), (203, 1230), (267, 1317), (281, 1335), (283, 1341), (291, 1377), (354, 1515), (355, 1518), (398, 1593), (415, 1647), (416, 1650), (417, 1653), (477, 1821), (516, 1875), (522, 1884), (530, 1899), (540, 1920), (563, 1959), (577, 1980), (579, 1986), (595, 2013), (624, 2055), (653, 2079), (664, 2097), (667, 2106), (670, 2112), (682, 2145), (704, 2178), (727, 2217), (730, 2223), (732, 2226), (768, 2271), (810, 2337), (854, 2388), (863, 2403), (866, 2412), (877, 2427), (879, 2430), (969, 2532), (991, 2559), (1028, 2610), (1029, 2613),

Gene: Ciel_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Ciel_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Clap_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Clap_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Clark_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Clark_3:

(Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (428, 1423), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Claus_4 Start: 1081, Stop: 2649, Start Num: 79

Candidate Starts for Claus_4:

(Start: 79 @1081 has 143 MA's), (Start: 82 @1087 has 6 MA's), (Start: 88 @1096 has 6 MA's), (Start: 92 @1105 has 1 MA's), (194, 1243), (267, 1345), (302, 1435), (347, 1540), (415, 1678), (417, 1684), (422, 1705), (428, 1729), (455, 1804), (477, 1852), (516, 1906), (530, 1930), (540, 1951), (555, 1975), (558, 1981), (577, 2011), (579, 2017), (598, 2053), (653, 2110), (664, 2128), (670, 2143), (711, 2221), (732, 2257), (741, 2266), (768, 2302), (810, 2368), (812, 2371), (866, 2443), (879, 2461), (884, 2470), (1008, 2617), (1028, 2641), (1029, 2644),

Gene: Clautastrophe_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Clautastrophe_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: Clayda5_2 Start: 593, Stop: 2155, Start Num: 135

Candidate Starts for Clayda5_2:

(Start: 135 @593 has 81 MA's), (Start: 211 @701 has 3 MA's), (242, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (349, 977), (401, 1040), (431, 1154), (449, 1214), (455, 1232), (572, 1460), (592, 1505), (678, 1643), (921, 1970), (1050, 2144), (1052, 2147),

Gene: CliffHanger_4 Start: 794, Stop: 2380, Start Num: 135

Candidate Starts for CliffHanger_4:

(Start: 135 @794 has 81 MA's), (199, 884), (218, 911), (242, 950), (299, 1058), (335, 1142), (358, 1187), (392, 1232), (417, 1292), (431, 1355), (455, 1433), (664, 1817), (672, 1835), (875, 2120), (915, 2189), (1003, 2309), (1052, 2372),

Gene: Clipper_8 Start: 1613, Stop: 3034, Start Num: 162

Candidate Starts for Clipper_8:

(Start: 85 @1541 has 1 MA's), (Start: 153 @1601 has 11 MA's), (Start: 162 @1613 has 165 MA's), (Start: 225 @1724 has 18 MA's), (229, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (330, 1952), (356, 1994), (361, 2000), (383, 2027), (386, 2030), (426, 2147), (428, 2156), (458, 2237), (548, 2351), (574, 2399), (579, 2411), (593, 2441), (604, 2465), (612, 2477), (667, 2555), (670, 2561), (766, 2705), (784, 2738), (825, 2792), (969, 2969), (1025, 3023),

Gene: Cloudyecho_2 Start: 353, Stop: 1939, Start Num: 74

Candidate Starts for Cloudyecho_2:

(Start: 74 @353 has 22 MA's), (Start: 153 @440 has 11 MA's), (Start: 170 @464 has 43 MA's), (Start: 187 @500 has 6 MA's), (198, 521), (Start: 211 @542 has 3 MA's), (295, 704), (315, 740), (335, 800), (417, 965), (426, 1001), (430, 1022), (442, 1052), (458, 1091), (462, 1100), (574, 1253), (670, 1427), (679, 1451), (766, 1577), (791, 1622), (893, 1736), (903, 1751), (969, 1844), (984, 1868), (997, 1886), (1028, 1931),

Gene: Clownery_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for Clownery_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (732, 2277), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Coco12_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Coco12_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: CocoCinnamon_5 Start: 1288, Stop: 2880, Start Num: 112

Candidate Starts for CocoCinnamon_5:

(Start: 109 @1285 has 5 MA's), (Start: 112 @1288 has 46 MA's), (278, 1504), (291, 1543), (293, 1549), (299, 1567), (302, 1573), (340, 1663), (371, 1720), (416, 1798), (418, 1804), (431, 1864), (453, 1936), (457, 1945), (461, 1954), (527, 2056), (533, 2068), (576, 2152), (594, 2191), (669, 2296), (707, 2368), (730, 2404), (770, 2476), (785, 2503), (814, 2542), (848, 2590), (985, 2785), (987, 2791), (1020, 2830), (1047, 2869), (1050, 2875),

Gene: Coeur_2 Start: 583, Stop: 1917, Start Num: 208

Candidate Starts for Coeur_2:

(Start: 164 @517 has 29 MA's), (Start: 208 @583 has 2 MA's), (Start: 224 @610 has 1 MA's), (278, 685), (285, 694), (290, 721), (291, 724), (295, 736), (302, 754), (328, 814), (330, 823), (331, 826), (429, 1027), (623, 1351), (668, 1399), (674, 1414), (684, 1438), (688, 1444), (694, 1453), (705, 1471), (765, 1561), (816, 1627), (857, 1672), (896, 1723), (934, 1768), (953, 1795), (994, 1858), (1032, 1900),

Gene: Cole_4 Start: 1595, Stop: 3295, Start Num: 115

Candidate Starts for Cole_4:

(Start: 95 @1574 has 13 MA's), (Start: 115 @1595 has 16 MA's), (199, 1718), (Start: 213 @1739 has 10 MA's), (222, 1754), (242, 1787), (278, 1832), (283, 1835), (293, 1877), (296, 1886), (299, 1895), (300, 1898), (302, 1901), (316, 1922), (331, 1973), (358, 2024), (401, 2078), (418, 2132), (431, 2192), (449, 2252), (457, 2273), (553, 2504), (584, 2570), (592, 2585), (678, 2756), (707, 2804), (715, 2813), (741, 2855), (770, 2888), (794, 2927), (837, 2969), (913, 3059), (934, 3086), (937, 3089), (985, 3158), (1041, 3236), (1058, 3284),

Gene: Coleslaw_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Coleslaw_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Collard_6 Start: 1324, Stop: 2751, Start Num: 168

Candidate Starts for Collard_6:

(Start: 168 @1324 has 24 MA's), (198, 1381), (Start: 211 @1402 has 3 MA's), (Start: 225 @1426 has 18 MA's), (279, 1510), (283, 1519), (285, 1525), (295, 1567), (302, 1585), (315, 1603), (330, 1654), (337, 1669), (383, 1729), (415, 1807), (426, 1849), (428, 1858), (429, 1861), (458, 1939), (548, 2053), (574, 2101), (593, 2143), (604, 2167), (612, 2179), (630, 2206), (665, 2251), (670, 2263), (762, 2410), (782, 2449), (825, 2506), (849, 2530), (869, 2554), (893, 2578), (965, 2677), (969, 2683), (1025, 2740),

Gene: Coltrane_2 Start: 593, Stop: 2155, Start Num: 135

Candidate Starts for Coltrane_2:

(Start: 135 @593 has 81 MA's), (Start: 211 @701 has 3 MA's), (242, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (349, 977), (401, 1040), (431, 1154), (449, 1214), (455, 1232), (572, 1460), (592, 1505), (678, 1643), (921, 1970), (1050, 2144), (1052, 2147),

Gene: Colusalem_3 Start: 849, Stop: 2330, Start Num: 213

Candidate Starts for Colusalem_3:

(Start: 84 @684 has 12 MA's), (Start: 213 @849 has 10 MA's), (237, 888), (275, 939), (285, 951), (293, 987), (299, 1005), (401, 1188), (431, 1302), (435, 1314), (449, 1362), (457, 1383), (464, 1398), (490, 1455), (669, 1770), (705, 1836), (732, 1881), (768, 1920), (773, 1932), (785, 1953), (818, 1998), (840, 2028), (866, 2073), (895, 2115), (913, 2142), (915, 2145), (985, 2238), (987, 2244), (1003, 2265), (1015, 2277), (1045, 2316), (1047, 2319),

Gene: Concrete_3 Start: 1125, Stop: 2585, Start Num: 107

Candidate Starts for Concrete_3:

(Start: 107 @1125 has 136 MA's), (Start: 113 @1131 has 2 MA's), (237, 1293), (242, 1302), (278, 1362), (303, 1431), (316, 1452), (331, 1503), (430, 1707), (511, 1842), (553, 1920), (565, 1935), (580, 1971), (599, 2013), (621, 2046), (634, 2064), (710, 2184), (711, 2187), (719, 2199), (770, 2274), (810, 2337), (829, 2355), (831, 2358), (953, 2520), (959, 2529), (989, 2577),

Gene: Copper_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Copper_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Coral_3 Start: 684, Stop: 2330, Start Num: 84

Candidate Starts for Coral_3:

(Start: 84 @684 has 12 MA's), (Start: 213 @849 has 10 MA's), (237, 888), (275, 939), (285, 951), (293, 987), (299, 1005), (401, 1188), (431, 1302), (435, 1314), (436, 1320), (449, 1362), (457, 1383), (464, 1398), (490, 1455), (669, 1770), (705, 1836), (732, 1881), (768, 1920), (773, 1932), (785, 1953), (818, 1998), (840, 2028), (866, 2073), (895, 2115), (913, 2142), (915, 2145), (985, 2238), (987, 2244), (1003, 2265), (1015, 2277), (1045, 2316), (1047, 2319),

Gene: Corgi_4 Start: 607, Stop: 2163, Start Num: 49

Candidate Starts for Corgi_4:

(Start: 49 @607 has 4 MA's), (61, 619), (Start: 95 @658 has 13 MA's), (134, 700), (137, 703), (161, 730), (Start: 213 @811 has 10 MA's), (218, 820), (Start: 234 @847 has 4 MA's), (277, 901), (283, 907), (294, 952), (326, 1027), (327, 1030), (329, 1036), (330, 1042), (331, 1045), (340, 1063), (434, 1273), (492, 1387), (493, 1390), (517, 1417), (520, 1420), (535, 1444), (538, 1453), (570, 1504), (579, 1525), (618, 1597), (635, 1621), (674, 1672), (679, 1687), (686, 1699), (715, 1744), (721, 1756), (860, 1948), (863, 1954), (976, 2101), (982, 2110), (987, 2119),

Gene: Coriander_2 Start: 586, Stop: 2193, Start Num: 136

Candidate Starts for Coriander_2:

(Start: 136 @586 has 13 MA's), (254, 769), (302, 886), (315, 904), (330, 952), (380, 1024), (431, 1177), (446, 1219), (493, 1312), (506, 1354), (511, 1363), (540, 1414), (556, 1444), (557, 1447), (596, 1510), (616, 1543), (639, 1570), (676, 1648), (732, 1735), (751, 1759), (807, 1852), (810, 1855), (825, 1873), (884, 1957),

Gene: Corndog_32 Start: 13529, Stop: 15040, Start Num: 76

Candidate Starts for Corndog_32:

(Start: 73 @13526 has 42 MA's), (Start: 76 @13529 has 13 MA's), (Start: 211 @13709 has 3 MA's), (267, 13802), (294, 13877), (310, 13910), (321, 13937), (330, 13967), (415, 14120), (417, 14126), (426, 14162), (428, 14171), (458, 14252), (462, 14261), (464, 14264), (504, 14303), (544, 14360),

(564, 14396), (566, 14399), (666, 14555), (670, 14564), (707, 14633), (713, 14642), (717, 14648), (739, 14681), (766, 14717), (825, 14804), (847, 14825), (903, 14888), (904, 14891), (907, 14894), (919, 14912), (938, 14933), (969, 14975), (999, 15011), (1019, 15023),

Gene: Cornucopia_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Cornucopia_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (274, 882), (276, 885), (281, 891), (283, 897), (292, 936), (295, 945), (315, 981), (328, 1023), (353, 1071), (363, 1089), (365, 1092), (400, 1143), (417, 1200), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103),

Gene: Cosmo_26 Start: 8131, Stop: 9744, Start Num: 88

Candidate Starts for Cosmo_26:

(Start: 88 @8131 has 6 MA's), (203, 8281), (214, 8299), (238, 8332), (249, 8344), (284, 8395), (285, 8398), (297, 8446), (299, 8452), (319, 8491), (320, 8494), (330, 8527), (369, 8596), (404, 8662), (408, 8680), (415, 8704), (417, 8710), (447, 8815), (467, 8857), (475, 8875), (480, 8884), (609, 9088), (613, 9094), (635, 9127), (727, 9292), (732, 9301), (739, 9307), (741, 9310), (782, 9385), (804, 9418), (816, 9433), (877, 9514), (991, 9667), (1006, 9688), (1007, 9691),

Gene: Cota_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Cota_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (638, 1314), (664, 1356), (679, 1398), (720, 1467), (730, 1485), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (817, 1602), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (974, 1806), (991, 1827), (1023, 1875), (1028, 1881),

Gene: Cote_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Cote_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Courthouse_10 Start: 3708, Stop: 5240, Start Num: 167

Candidate Starts for Courthouse_10:

(131, 3666), (139, 3675), (Start: 167 @3708 has 21 MA's), (Start: 235 @3822 has 15 MA's), (268, 3885), (284, 3918), (296, 3966), (328, 4041), (343, 4077), (398, 4152), (400, 4155), (410, 4191), (420, 4224), (546, 4473), (579, 4536), (592, 4563), (680, 4722), (704, 4758), (725, 4788), (730, 4797), (766, 4851), (777, 4875), (969, 5109), (977, 5121),

Gene: Courtney3_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Courtney3_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409,

1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Cracklewink_9 Start: 4723, Stop: 6342, Start Num: 73

Candidate Starts for Cracklewink_9:

(Start: 73 @4723 has 42 MA's), (Start: 167 @4831 has 21 MA's), (Start: 234 @4942 has 4 MA's), (315, 5119), (316, 5122), (336, 5182), (371, 5248), (372, 5251), (411, 5311), (413, 5317), (448, 5449), (449, 5452), (460, 5479), (546, 5581), (577, 5650), (582, 5662), (600, 5698), (604, 5707), (614, 5722), (618, 5728), (664, 5785), (672, 5803), (686, 5836), (700, 5860), (707, 5869), (715, 5878), (761, 5947), (798, 6016), (800, 6019), (831, 6061), (898, 6139), (924, 6169), (955, 6211), (983, 6253), (991, 6268),

Gene: Crespo_2 Start: 456, Stop: 1892, Start Num: 170

Candidate Starts for Crespo_2:

(Start: 74 @360 has 22 MA's), (Start: 170 @456 has 43 MA's), (Start: 172 @459 has 3 MA's), (Start: 189 @495 has 1 MA's), (Start: 211 @534 has 3 MA's), (295, 696), (330, 783), (335, 792), (343, 810), (355, 822), (417, 942), (426, 978), (430, 999), (439, 1020), (458, 1068), (462, 1077), (574, 1230), (602, 1290), (614, 1308), (655, 1359), (670, 1386), (676, 1401), (677, 1404), (732, 1485), (763, 1530), (810, 1605), (825, 1623), (846, 1644), (889, 1689), (900, 1707), (903, 1710), (969, 1803), (1028, 1884),

Gene: CrimD_8 Start: 1562, Stop: 2983, Start Num: 162

Candidate Starts for CrimD_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (330, 1901), (356, 1943), (361, 1949), (383, 1976), (386, 1979), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (667, 2504), (670, 2510), (766, 2654), (784, 2687), (825, 2741), (969, 2918), (1025, 2972),

Gene: CristinaYang_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for CristinaYang_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: CroZenni_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for CroZenni_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (335, 1037), (344, 1061), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: Crossroads_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Crossroads_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Cubone_1 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Cubone_1:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: CupcakePrincess_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for CupcakePrincess_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Curiosium_9 Start: 1962, Stop: 3389, Start Num: 162

Candidate Starts for Curiosium_9:

(77, 1878), (114, 1929), (Start: 153 @1950 has 11 MA's), (Start: 162 @1962 has 165 MA's), (Start: 225 @2073 has 18 MA's), (229, 2079), (249, 2118), (279, 2157), (283, 2166), (285, 2172), (295, 2214), (302, 2232), (315, 2250), (330, 2301), (383, 2376), (386, 2379), (426, 2496), (428, 2505), (503, 2634), (548, 2700), (574, 2748), (579, 2760), (593, 2790), (604, 2814), (608, 2820), (670, 2910), (732, 3012), (764, 3051), (766, 3054), (784, 3087), (810, 3123), (825, 3141), (904, 3228), (969, 3318), (1025, 3378), (1029, 3384),

Gene: CurlyFries_9 Start: 3359, Stop: 4903, Start Num: 152

Candidate Starts for CurlyFries_9:

(Start: 152 @3359 has 2 MA's), (285, 3599), (333, 3734), (418, 3890), (420, 3902), (422, 3908), (429, 3935), (430, 3944), (443, 3986), (579, 4223), (625, 4298), (680, 4403), (862, 4676), (900, 4742), (941, 4793), (981, 4841), (1005, 4862),

Gene: Cygnet_3 Start: 691, Stop: 2325, Start Num: 84

Candidate Starts for Cygnet_3:

(Start: 82 @688 has 6 MA's), (Start: 84 @691 has 12 MA's), (237, 889), (275, 940), (285, 952), (293, 988), (299, 1006), (302, 1012), (310, 1030), (401, 1189), (431, 1303), (449, 1363), (457, 1384), (464, 1399), (490, 1456), (553, 1582), (584, 1642), (632, 1723), (653, 1738), (664, 1759), (715, 1852), (732, 1882), (768, 1921), (772, 1930), (785, 1954), (814, 1993), (818, 1999), (890, 2101), (895, 2110), (899, 2116), (913, 2137), (915, 2140), (934, 2164), (982, 2230), (985, 2233), (1047, 2314),

Gene: Cynthia_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Cynthia_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: CyranoPS_2 Start: 351, Stop: 1808, Start Num: 96

Candidate Starts for CyranoPS_2:

(Start: 96 @351 has 1 MA's), (Start: 104 @360 has 2 MA's), (Start: 110 @366 has 6 MA's), (330, 699), (339, 717), (415, 849), (429, 903), (446, 966), (559, 1119), (595, 1191), (623, 1239), (667, 1287), (698, 1350), (705, 1359), (769, 1461), (806, 1518), (857, 1569), (865, 1581), (994, 1755), (1003, 1764), (1032, 1797),

Gene: DHan_4 Start: 1011, Stop: 2585, Start Num: 79

Candidate Starts for DHan_4:

(Start: 79 @1011 has 143 MA's), (Start: 82 @1017 has 6 MA's), (Start: 88 @1026 has 6 MA's), (194, 1173), (267, 1275), (283, 1299), (347, 1470), (355, 1476), (415, 1614), (417, 1620), (422, 1641), (428, 1665), (455, 1740), (477, 1788), (516, 1842), (530, 1866), (555, 1911), (558, 1917), (577, 1947), (579, 1953), (598, 1989), (653, 2046), (664, 2064), (670, 2079), (711, 2157), (732, 2193), (741, 2202), (768, 2238), (810, 2304), (866, 2379), (879, 2397), (884, 2406), (1008, 2553), (1028, 2577), (1029, 2580),

Gene: DMoney_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for DMoney_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: DNAIII_002 Start: 368, Stop: 1900, Start Num: 74

Candidate Starts for DNAIII_002:

(Start: 74 @368 has 22 MA's), (Start: 170 @464 has 43 MA's), (Start: 172 @467 has 3 MA's), (Start: 189 @503 has 1 MA's), (Start: 211 @542 has 3 MA's), (295, 704), (330, 791), (335, 800), (343, 818), (355, 830), (417, 950), (426, 986), (430, 1007), (439, 1028), (458, 1076), (462, 1085), (574, 1238), (602, 1298), (614, 1316), (655, 1367), (670, 1394), (676, 1409), (677, 1412), (732, 1493), (763, 1538), (810, 1613), (825, 1631), (846, 1652), (889, 1697), (900, 1715), (903, 1718), (969, 1811), (1028, 1892),

Gene: DaWorst_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for DaWorst_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Dadosky_6 Start: 1349, Stop: 2776, Start Num: 168

Candidate Starts for Dadosky_6:

(Start: 168 @1349 has 24 MA's), (198, 1406), (Start: 211 @1427 has 3 MA's), (Start: 225 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (330, 1679), (355, 1718), (383, 1754), (400, 1781), (415, 1832), (426, 1874), (428, 1883), (429, 1886), (458, 1964), (548, 2078), (574, 2126), (579, 2138), (593, 2168), (612, 2204), (630, 2231), (670, 2288), (713, 2372), (727, 2396), (782, 2474), (825, 2531), (849, 2555), (869, 2579), (969, 2708), (1025, 2765),

Gene: Daegal_6 Start: 2134, Stop: 3768, Start Num: 73

Candidate Starts for Daegal_6:

(Start: 73 @2134 has 42 MA's), (Start: 101 @2173 has 5 MA's), (Start: 157 @2221 has 40 MA's), (257, 2392), (280, 2431), (354, 2611), (358, 2620), (362, 2629), (398, 2692), (402, 2698), (424, 2782), (425, 2785), (426, 2788), (458, 2884), (460, 2887), (464, 2896), (499, 2962), (530, 2992), (543, 3019), (561, 3052), (574, 3073), (576, 3076), (639, 3172), (656, 3193), (704, 3283), (730, 3325), (743, 3343), (749, 3349), (784, 3412), (788, 3418), (789, 3421), (825, 3466), (830, 3472), (854, 3499), (863, 3514), (890, 3565), (895, 3574), (905, 3589), (908, 3592), (936, 3631), (948, 3646), (956, 3661), (958, 3664), (1031, 3742), (1034, 3748),

Gene: DaftyDuck_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for DaftyDuck_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Daiboju_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Daiboju_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (732, 1598), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: Dalmuri_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Dalmuri_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: DanBing_3 Start: 907, Stop: 2469, Start Num: 82

Candidate Starts for DanBing_3:

(Start: 79 @901 has 143 MA's), (Start: 82 @907 has 6 MA's), (Start: 88 @916 has 6 MA's), (194, 1063), (267, 1165), (302, 1255), (347, 1360), (415, 1498), (417, 1504), (422, 1525), (428, 1549), (455, 1624), (477, 1672), (516, 1726), (530, 1750), (540, 1771), (555, 1795), (558, 1801), (577, 1831), (579, 1837), (598, 1873), (653, 1930), (664, 1948), (670, 1963), (710, 2038), (711, 2041), (732, 2077), (741, 2086), (768, 2122), (810, 2188), (866, 2263), (879, 2281), (884, 2290), (1008, 2437), (1028, 2461), (1029, 2464),

Gene: DanHam62_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for DanHam62_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: DanSyl44_9 Start: 2583, Stop: 3923, Start Num: 225

Candidate Starts for DanSyl44_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (426, 3012), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3912), (1029, 3918),

Gene: Danimal_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Danimal_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Danno_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Danno_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Daob_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Daob_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (436, 1484), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (732, 2045), (768, 2084), (773, 2096), (785, 2117), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Dardanus_9 Start: 3554, Stop: 5239, Start Num: 50

Candidate Starts for Dardanus_9:

(Start: 50 @3554 has 3 MA's), (144, 3656), (293, 3896), (302, 3920), (316, 3941), (321, 3959), (328, 3980), (375, 4076), (401, 4124), (416, 4172), (418, 4178), (428, 4223), (438, 4262), (439, 4265), (440, 4268), (448, 4295), (536, 4403), (584, 4505), (662, 4637), (713, 4742), (761, 4808), (794, 4859), (808, 4877), (882, 4997), (905, 5030), (937, 5072), (961, 5105), (994, 5156), (1050, 5225), (1054, 5231),

Gene: Darionha_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Darionha_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: DartGoblin_8 Start: 1545, Stop: 2966, Start Num: 162

Candidate Starts for DartGoblin_8:

(Start: 85 @1473 has 1 MA's), (114, 1512), (Start: 153 @1533 has 11 MA's), (Start: 162 @1545 has 165 MA's), (Start: 225 @1656 has 18 MA's), (229, 1662), (279, 1740), (283, 1749), (295, 1797), (302, 1815), (330, 1884), (356, 1926), (361, 1932), (383, 1959), (426, 2079), (428, 2088), (458, 2169), (466, 2187), (548, 2283), (574, 2331), (579, 2343), (593, 2373), (604, 2397), (612, 2409), (667, 2487), (670, 2493), (766, 2637), (784, 2670), (825, 2724), (969, 2901), (1025, 2955),

Gene: DarthP_7 Start: 1387, Stop: 2811, Start Num: 162

Candidate Starts for DarthP_7:

(Start: 153 @1375 has 11 MA's), (Start: 162 @1387 has 165 MA's), (Start: 211 @1474 has 3 MA's), (Start: 225 @1498 has 18 MA's), (279, 1582), (283, 1591), (295, 1639), (302, 1657), (315, 1675), (330, 1726), (361, 1774), (426, 1921), (428, 1930), (429, 1933), (439, 1963), (458, 2011), (548, 2125), (579, 2185), (593, 2215), (621, 2266), (640, 2287), (670, 2335), (691, 2377), (713, 2407), (766, 2479), (825, 2566), (969, 2743), (1025, 2800), (1029, 2806),

Gene: Dartin_8 Start: 1660, Stop: 3090, Start Num: 162

Candidate Starts for Dartin_8:

(105, 1618), (Start: 153 @1648 has 11 MA's), (Start: 162 @1660 has 165 MA's), (Start: 211 @1750 has 3 MA's), (Start: 225 @1774 has 18 MA's), (229, 1780), (249, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (330, 2002), (361, 2050), (426, 2197), (428, 2206), (503, 2335), (548, 2401), (572, 2443), (574, 2449), (579, 2461), (593, 2491), (604, 2515), (621, 2542), (670, 2611), (691, 2653), (713, 2683), (727, 2707), (766, 2755), (804, 2818), (825, 2842), (869, 2893), (904, 2932), (969, 3022), (1003, 3061), (1025, 3079), (1029, 3085),

Gene: Deby_8 Start: 1575, Stop: 2996, Start Num: 162

Candidate Starts for Deby_8:

(Start: 85 @1503 has 1 MA's), (Start: 153 @1563 has 11 MA's), (Start: 162 @1575 has 165 MA's), (Start: 225 @1686 has 18 MA's), (229, 1692), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (330, 1914), (356, 1956), (361, 1962), (426, 2109), (428, 2118), (466, 2217), (548, 2313), (574, 2361), (579, 2373), (593, 2403), (604, 2427), (612, 2439), (621, 2454), (670, 2523), (766, 2667), (825, 2754), (969, 2931), (1025, 2985),

Gene: Decurro_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Decurro_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (252, 992), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: DeepSoil15_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for DeepSoil15_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: DelRio_6 Start: 2230, Stop: 3660, Start Num: 235

Candidate Starts for DelRio_6:

(46, 1960), (Start: 124 @2062 has 1 MA's), (127, 2065), (130, 2068), (Start: 136 @2074 has 13 MA's), (Start: 235 @2230 has 15 MA's), (244, 2248), (299, 2371), (310, 2389), (325, 2428), (328, 2437), (381, 2521), (417, 2605), (421, 2620), (429, 2653), (451, 2719), (483, 2788), (518, 2851), (618, 3040), (629, 3052), (664, 3100), (715, 3193), (751, 3244), (764, 3268), (766, 3271), (779, 3298), (825, 3358), (854, 3391), (863, 3406), (884, 3442), (908, 3484), (927, 3511), (956, 3547), (960, 3553), (995, 3592),

Gene: Delian_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Delian_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Demsculpinboyz_3 Start: 664, Stop: 2184, Start Num: 151

Candidate Starts for Demsculpinboyz_3:

(Start: 118 @652 has 7 MA's), (Start: 151 @664 has 89 MA's), (Start: 225 @790 has 18 MA's), (231, 799), (256, 844), (274, 874), (276, 877), (281, 883), (292, 928), (300, 952), (353, 1063), (363, 1081), (365, 1084), (383, 1108), (417, 1192), (426, 1228), (428, 1237), (430, 1249), (432, 1255), (439, 1270), (443, 1282), (453, 1309), (456, 1315), (459, 1321), (478, 1357), (491, 1366), (505, 1396), (524, 1426), (526, 1429), (576, 1525), (579, 1534), (591, 1561), (645, 1645), (662, 1660), (727, 1771), (732, 1780), (739, 1789), (844, 1927), (851, 1939), (869, 1957), (903, 1993), (938, 2035), (943, 2041), (969, 2083), (975, 2095), (984, 2107), (1040, 2173),

Gene: Denise_2 Start: 318, Stop: 1895, Start Num: 108

Candidate Starts for Denise_2:

(93, 300), (Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (354, 753), (398, 816), (400, 819), (410, 855), (426, 912), (431, 936), (446, 978), (458, 1008), (471, 1038), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (606, 1251), (639, 1293), (654, 1314), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (749, 1476), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1878),

Gene: Devera_8 Start: 1604, Stop: 3025, Start Num: 162

Candidate Starts for Devera_8:

(Start: 85 @1532 has 1 MA's), (Start: 153 @1592 has 11 MA's), (Start: 162 @1604 has 165 MA's), (Start: 225 @1715 has 18 MA's), (229, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (330, 1943), (356, 1985), (361, 1991), (383, 2018), (386, 2021), (415, 2096), (426, 2138), (428, 2147), (458, 2228), (548, 2342), (574, 2390), (579, 2402), (593, 2432), (604, 2456), (612, 2468), (621, 2483), (670, 2552), (687, 2591), (766, 2696), (784, 2729), (825, 2783), (969, 2960), (1025, 3014),

Gene: Dewayne_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Dewayne_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Dewey_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Dewey_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: DickRichards_3 Start: 1160, Stop: 2782, Start Num: 135

Candidate Starts for DickRichards_3:

(Start: 135 @1160 has 81 MA's), (242, 1316), (299, 1424), (307, 1439), (321, 1469), (329, 1493), (335, 1508), (348, 1541), (401, 1607), (417, 1658), (418, 1661), (431, 1721), (455, 1799), (705, 2249), (715, 2264), (956, 2615), (987, 2663), (1058, 2771),

Gene: Didgeridoo_4 Start: 944, Stop: 2572, Start Num: 135

Candidate Starts for Didgeridoo_4:

(Start: 135 @944 has 81 MA's), (242, 1100), (299, 1208), (321, 1253), (335, 1292), (356, 1334), (401, 1391), (417, 1442), (418, 1445), (431, 1505), (436, 1523), (445, 1553), (455, 1583), (705, 2039), (715, 2054), (785, 2156), (956, 2405), (987, 2453), (1010, 2477), (1045, 2522),

Gene: Diminimus_15 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for Diminimus_15:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: Dina_2 Start: 371, Stop: 1957, Start Num: 126

Candidate Starts for Dina_2:

(Start: 126 @371 has 4 MA's), (Start: 129 @374 has 4 MA's), (Start: 135 @380 has 81 MA's), (246, 551), (275, 629), (284, 638), (348, 812), (413, 914), (415, 920), (418, 929), (419, 938), (434, 998), (448, 1046), (449, 1049), (512, 1112), (561, 1205), (594, 1271), (690, 1427), (701, 1445), (733, 1490), (758, 1532), (781, 1568), (790, 1583), (811, 1610), (813, 1613), (821, 1628), (841, 1661), (852, 1676), (879, 1724), (909, 1754), (922, 1772), (973, 1847), (1029, 1922), (1046, 1946),

Gene: DingDing_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for DingDing_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Dino_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Dino_5:

(Start: 79 @3082 has 143 MA's), (Start: 234 @3292 has 4 MA's), (275, 3346), (296, 3403), (299, 3412), (411, 3652), (416, 3667), (418, 3673), (431, 3733), (449, 3793), (495, 3892), (522, 3922), (529, 3937), (584, 4018), (630, 4096), (636, 4105), (669, 4141), (686, 4180), (707, 4213), (715, 4222), (730, 4249), (773, 4303), (799, 4345), (852, 4390), (865, 4411), (877, 4435), (956, 4513), (1045, 4633),

Gene: DinoDaryn_9 Start: 3697, Stop: 5304, Start Num: 110

Candidate Starts for DinoDaryn_9:

(Start: 50 @3619 has 3 MA's), (Start: 110 @3697 has 6 MA's), (283, 3925), (293, 3967), (321, 4030), (328, 4051), (401, 4189), (418, 4243), (438, 4327), (439, 4330), (440, 4333), (449, 4363), (584, 4570), (657, 4693), (694, 4780), (705, 4795), (715, 4810), (761, 4873), (808, 4942), (836, 4984), (881, 5059), (882, 5062), (905, 5095), (956, 5161), (988, 5212), (1050, 5290), (1054, 5296),

Gene: DirkDirk_4 Start: 1053, Stop: 2636, Start Num: 79

Candidate Starts for DirkDirk_4:

(Start: 79 @1053 has 143 MA's), (Start: 82 @1059 has 6 MA's), (203, 1230), (267, 1317), (281, 1335), (283, 1341), (291, 1377), (354, 1515), (355, 1518), (398, 1593), (416, 1650), (417, 1653), (477, 1821), (516, 1875), (522, 1884), (530, 1899), (540, 1920), (563, 1959), (577, 1980), (579, 1986), (595, 2013), (624, 2055), (653, 2079), (664, 2097), (667, 2106), (670, 2112), (682, 2145), (704, 2178), (727, 2217), (730, 2223), (732, 2226), (768, 2271), (810, 2337), (854, 2388), (866, 2412), (877, 2427), (879, 2430), (969, 2532), (991, 2559), (1028, 2610), (1029, 2613),

Gene: DirtMcgirt_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for DirtMcgirt_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102),

Gene: DirtPie_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for DirtPie_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (553, 1974), (565, 1989), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (770, 2328), (810, 2391), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Dirtdigger_5 Start: 1850, Stop: 3547, Start Num: 115

Candidate Starts for Dirtdigger_5:

(70, 1787), (Start: 115 @1850 has 16 MA's), (199, 1970), (Start: 213 @1991 has 10 MA's), (222, 2006), (242, 2039), (275, 2081), (278, 2084), (293, 2129), (299, 2147), (300, 2150), (302, 2153), (321, 2192), (331, 2225), (356, 2273), (358, 2276), (401, 2330), (431, 2444), (448, 2501), (449, 2504), (457, 2525), (488, 2600), (584, 2822), (592, 2837), (632, 2903), (636, 2909), (639, 2915), (668, 2975), (672, 2984), (678, 3008), (700, 3047), (715, 3065), (741, 3107), (770, 3140), (794, 3179), (837, 3221), (865, 3263), (934, 3338), (942, 3347), (976, 3398), (985, 3410), (1017, 3452), (1058, 3536),

Gene: Dirtfootball_2 Start: 516, Stop: 1868, Start Num: 213

Candidate Starts for Dirtfootball_2:

(Start: 69 @351 has 1 MA's), (90, 384), (Start: 118 @417 has 7 MA's), (Start: 164 @438 has 29 MA's), (Start: 213 @516 has 10 MA's), (Start: 224 @534 has 1 MA's), (283, 612), (285, 618), (290, 645), (296, 663), (302, 678), (330, 744), (344, 777), (350, 798), (370, 834), (431, 975), (441, 1008), (495, 1089), (537, 1146), (665, 1332), (667, 1338), (683, 1377), (686, 1383), (698, 1401), (749, 1476), (767, 1503), (785, 1536), (838, 1593), (915, 1689), (928, 1701), (1032, 1842),

Gene: DirtyBoi_2 Start: 586, Stop: 2196, Start Num: 136

Candidate Starts for DirtyBoi_2:

(Start: 136 @586 has 13 MA's), (254, 769), (272, 802), (315, 904), (330, 952), (380, 1024), (431, 1177), (446, 1219), (458, 1249), (493, 1312), (506, 1354), (511, 1363), (556, 1444), (557, 1447), (572, 1465), (596, 1510), (616, 1543), (639, 1570), (676, 1648), (732, 1735), (751, 1759), (807, 1852), (810, 1855), (825, 1873), (884, 1957),

Gene: DirtyBubble_3 Start: 957, Stop: 2582, Start Num: 135

Candidate Starts for DirtyBubble_3:

(Start: 135 @957 has 81 MA's), (242, 1113), (285, 1167), (299, 1221), (307, 1236), (335, 1305), (358, 1350), (401, 1404), (417, 1455), (418, 1458), (431, 1518), (436, 1536), (437, 1539), (445, 1566), (455, 1596), (536, 1758), (665, 1974), (705, 2049), (713, 2061), (956, 2415), (987, 2463),

Gene: DismalFunk_4 Start: 652, Stop: 2076, Start Num: 162

Candidate Starts for DismalFunk_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (383, 1057), (416, 1138), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (665, 1576), (670, 1588), (691, 1630), (713, 1660), (728, 1687), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (1025, 2065),

Gene: DismalStressor_4 Start: 652, Stop: 2076, Start Num: 162

Candidate Starts for DismalStressor_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (383, 1057), (416, 1138), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (665, 1576), (670, 1588), (691, 1630), (713, 1660), (728, 1687), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (1025, 2065),

Gene: Dismas_3 Start: 938, Stop: 2563, Start Num: 123

Candidate Starts for Dismas_3:

(Start: 123 @938 has 2 MA's), (Start: 135 @944 has 81 MA's), (242, 1100), (293, 1190), (299, 1208), (307, 1223), (335, 1292), (344, 1316), (356, 1334), (401, 1391), (417, 1442), (418, 1445), (431, 1505), (437, 1526), (445, 1553), (455, 1583), (632, 1922), (713, 2045), (926, 2360), (956, 2399), (1045, 2516),

Gene: Dmitri_2 Start: 586, Stop: 2193, Start Num: 136

Candidate Starts for Dmitri_2:

(Start: 136 @586 has 13 MA's), (254, 769), (302, 886), (315, 904), (330, 952), (380, 1024), (431, 1177), (446, 1219), (458, 1249), (493, 1312), (506, 1354), (511, 1363), (540, 1414), (557, 1447), (572, 1465), (596, 1510), (616, 1543), (639, 1570), (676, 1648), (732, 1735), (751, 1759), (788, 1825), (807, 1852), (810, 1855), (825, 1873), (944, 2044),

Gene: DobbysSock_2 Start: 318, Stop: 1877, Start Num: 108

Candidate Starts for DobbysSock_2:

(67, 258), (Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (670, 1344), (677, 1365), (704, 1404), (707, 1410), (730, 1446), (732, 1449), (763, 1491), (766, 1497), (855, 1620), (863, 1632), (885, 1671), (925, 1734), (1033, 1860),

Gene: DocMcStuffins_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for DocMcStuffins_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (699, 1745), (732, 1790), (782, 1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: Doggs_2 Start: 586, Stop: 2193, Start Num: 136

Candidate Starts for Doggs_2:

(Start: 136 @586 has 13 MA's), (254, 769), (302, 886), (315, 904), (330, 952), (362, 1012), (380, 1024), (431, 1177), (446, 1219), (458, 1249), (493, 1312), (506, 1354), (511, 1363), (540, 1414), (556, 1444), (557, 1447), (572, 1465), (596, 1510), (616, 1543), (639, 1570), (676, 1648), (732, 1735), (751, 1759), (807, 1852), (810, 1855), (825, 1873), (884, 1957),

Gene: Dole_8 Start: 1604, Stop: 3025, Start Num: 162

Candidate Starts for Dole_8:

(Start: 85 @1532 has 1 MA's), (Start: 153 @1592 has 11 MA's), (Start: 162 @1604 has 165 MA's), (Start: 225 @1715 has 18 MA's), (229, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (330, 1943), (356, 1985), (361, 1991), (383, 2018), (386, 2021), (415, 2096), (426, 2138), (428, 2147), (458, 2228), (548, 2342), (574, 2390), (579, 2402), (593, 2432), (604, 2456), (612, 2468), (621, 2483), (670, 2552), (687, 2591), (766, 2696), (784, 2729), (825, 2783), (969, 2960), (1025, 3014),

Gene: Dolores_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Dolores_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (431, 1438), (458, 1510), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Donatella_5 Start: 2098, Stop: 3798, Start Num: 115

Candidate Starts for Donatella_5:

(72, 2041), (Start: 95 @2077 has 13 MA's), (Start: 115 @2098 has 16 MA's), (199, 2221), (Start: 213 @2242 has 10 MA's), (242, 2290), (278, 2335), (293, 2380), (299, 2398), (300, 2401), (321, 2443), (356, 2524), (358, 2527), (401, 2581), (431, 2695), (449, 2755), (457, 2776), (553, 3007), (584, 3073), (592, 3088), (678, 3259), (707, 3307), (715, 3316), (741, 3358), (770, 3391), (794, 3430), (837, 3472), (913, 3562), (934, 3589), (937, 3592), (942, 3598), (956, 3619), (985, 3661), (1041, 3739), (1058, 3787),

Gene: Dongwon_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Dongwon_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: DonkeyMan_2 Start: 512, Stop: 2101, Start Num: 112

Candidate Starts for DonkeyMan_2:

(Start: 112 @512 has 46 MA's), (218, 647), (222, 653), (245, 695), (283, 734), (291, 770), (310, 818), (335, 878), (356, 920), (358, 923), (371, 947), (372, 950), (401, 977), (419, 1040), (437, 1112), (446, 1142), (448, 1148), (449, 1151), (584, 1418), (592, 1433), (594, 1436), (600, 1448), (650, 1508), (672, 1553), (678, 1571), (700, 1610), (773, 1703), (785, 1724), (792, 1733), (835, 1793), (852, 1817), (871, 1853), (921, 1925), (987, 2018), (1000, 2036), (1047, 2090),

Gene: Donovan_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Donovan_2:

(Start: 56 @413 has 50 MA's), (141, 524), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Doobus_3 Start: 911, Stop: 2539, Start Num: 135

Candidate Starts for Doobus_3:

(Start: 135 @911 has 81 MA's), (242, 1067), (299, 1175), (335, 1259), (356, 1301), (401, 1358), (417, 1409), (418, 1412), (431, 1472), (436, 1490), (445, 1520), (455, 1550), (705, 2006), (715, 2021), (956, 2372), (987, 2420), (1058, 2528),

Gene: Dooby_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Dooby_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Doomslug_3 Start: 802, Stop: 2157, Start Num: 229

Candidate Starts for Doomslug_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (274, 880), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (328, 1021), (336, 1042), (353, 1069), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101),

Gene: Dorito_2 Start: 318, Stop: 1877, Start Num: 108

Candidate Starts for Dorito_2:

(67, 258), (Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (343, 744), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (670, 1344), (677, 1365), (707, 1410), (730, 1446), (732, 1449), (763, 1491), (766, 1497), (855, 1620), (863, 1632), (885, 1671), (1033, 1860),

Gene: DosHalletts_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for DosHalletts_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: DoubleChamp_6 Start: 1324, Stop: 2751, Start Num: 168

Candidate Starts for DoubleChamp_6:

(Start: 168 @1324 has 24 MA's), (198, 1381), (Start: 211 @1402 has 3 MA's), (Start: 225 @1426 has 18 MA's), (279, 1510), (283, 1519), (285, 1525), (295, 1567), (302, 1585), (315, 1603), (330, 1654), (337, 1669), (383, 1729), (415, 1807), (426, 1849), (428, 1858), (429, 1861), (458, 1939), (548, 2053), (574, 2101), (593, 2143), (604, 2167), (612, 2179), (630, 2206), (665, 2251), (670, 2263), (762, 2410), (782, 2449), (825, 2506), (849, 2530), (869, 2554), (893, 2578), (965, 2677), (969, 2683), (1025, 2740),

Gene: Doucette_3 Start: 956, Stop: 2410, Start Num: 153

Candidate Starts for Doucette_3:

(Start: 153 @956 has 11 MA's), (Start: 155 @959 has 6 MA's), (Start: 211 @1058 has 3 MA's), (229, 1085), (243, 1112), (247, 1121), (274, 1163), (283, 1178), (293, 1220), (315, 1262), (335, 1322), (343, 1340), (354, 1349), (414, 1460), (428, 1517), (432, 1535), (443, 1562), (574, 1760), (576, 1763), (578, 1769), (593, 1802), (667, 1907), (799, 2126), (807, 2132), (832, 2165), (1025, 2396),

Gene: Douge_4 Start: 771, Stop: 2333, Start Num: 79

Candidate Starts for Douge_4:

(Start: 79 @771 has 143 MA's), (Start: 82 @777 has 6 MA's), (194, 927), (238, 993), (264, 1023), (281, 1047), (286, 1062), (296, 1104), (355, 1230), (417, 1368), (422, 1389), (428, 1413), (455, 1488), (477, 1536), (530, 1614), (540, 1635), (555, 1659), (558, 1665), (577, 1695), (579, 1701), (598, 1737), (653, 1794), (670, 1827), (727, 1932), (732, 1941), (756, 1965), (768, 1986), (810, 2052), (884, 2154), (991, 2274), (995, 2280), (1008, 2301), (1028, 2325),

Gene: Douggie_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Douggie_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: Doughnut_4 Start: 652, Stop: 2073, Start Num: 162

Candidate Starts for Doughnut_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (361, 1030), (383, 1057), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276),

(464, 1279), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (614, 1510), (670, 1588), (691, 1630), (713, 1660), (764, 1729), (772, 1744), (782, 1762), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (969, 1996), (1025, 2062),

Gene: Douzhi_4 Start: 771, Stop: 2333, Start Num: 79

Candidate Starts for Douzhi_4:

(Start: 79 @771 has 143 MA's), (Start: 82 @777 has 6 MA's), (194, 927), (238, 993), (264, 1023), (281, 1047), (286, 1062), (296, 1104), (355, 1230), (417, 1368), (422, 1389), (428, 1413), (455, 1488), (477, 1536), (530, 1614), (540, 1635), (555, 1659), (558, 1665), (577, 1695), (579, 1701), (598, 1737), (670, 1827), (727, 1932), (732, 1941), (756, 1965), (768, 1986), (810, 2052), (884, 2154), (991, 2274), (995, 2280), (1008, 2301), (1028, 2325),

Gene: DrHayes_8 Start: 1566, Stop: 2987, Start Num: 162

Candidate Starts for DrHayes_8:

(Start: 85 @1494 has 1 MA's), (114, 1533), (Start: 153 @1554 has 11 MA's), (Start: 162 @1566 has 165 MA's), (Start: 225 @1677 has 18 MA's), (229, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (330, 1905), (356, 1947), (361, 1953), (383, 1980), (386, 1983), (400, 2007), (426, 2100), (428, 2109), (458, 2190), (466, 2208), (548, 2304), (574, 2352), (579, 2364), (593, 2394), (604, 2418), (612, 2430), (667, 2508), (670, 2514), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: DrParker_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for DrParker_2:

(Start: 157 @378 has 40 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (679, 1398), (725, 1476), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (843, 1626), (855, 1647), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: DrRobert_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for DrRobert_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (296, 747), (299, 756), (302, 762), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: DrSeegs_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for DrSeegs_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Drago_3 Start: 797, Stop: 2158, Start Num: 225

Candidate Starts for Drago_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459,

1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: DreamTeam_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for DreamTeam_2:

(Start: 79 @426 has 143 MA's), (180, 549), (275, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (416, 1011), (418, 1017), (431, 1077), (495, 1236), (522, 1266), (529, 1281), (594, 1380), (630, 1440), (636, 1449), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (956, 1857), (1045, 1977),

Gene: Dulcita_15 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for Dulcita_15:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: DumpsterDude_2 Start: 434, Stop: 1993, Start Num: 155

Candidate Starts for DumpsterDude_2:

(33, 278), (Start: 50 @302 has 3 MA's), (75, 335), (93, 365), (Start: 155 @434 has 6 MA's), (192, 500), (238, 569), (261, 608), (299, 707), (324, 758), (330, 779), (331, 782), (356, 824), (397, 878), (428, 986), (457, 1070), (458, 1073), (493, 1136), (500, 1166), (509, 1184), (511, 1187), (622, 1376), (664, 1430), (667, 1439), (704, 1502), (735, 1550), (741, 1559), (749, 1568), (764, 1595), (766, 1598), (779, 1625), (825, 1685), (847, 1706), (908, 1811), (930, 1844), (979, 1913), (1034, 1973),

Gene: DuncansLeg_5 Start: 1193, Stop: 2758, Start Num: 79

Candidate Starts for DuncansLeg_5:

(20, 1085), (22, 1091), (38, 1142), (46, 1151), (Start: 79 @1193 has 143 MA's), (Start: 82 @1199 has 6 MA's), (203, 1370), (223, 1403), (281, 1475), (283, 1481), (285, 1487), (343, 1643), (347, 1652), (354, 1655), (355, 1658), (398, 1733), (415, 1787), (416, 1790), (417, 1793), (522, 2024), (563, 2099), (577, 2120), (579, 2126), (595, 2153), (624, 2195), (653, 2219), (664, 2237), (667, 2246), (670, 2252), (732, 2366), (764, 2405), (768, 2411), (810, 2477), (855, 2531), (863, 2543), (877, 2567), (884, 2579), (920, 2618), (995, 2705), (1028, 2750), (1029, 2753),

Gene: Duplicity_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Duplicity_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Durfee_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Durfee_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Dylan_30 Start: 13252, Stop: 14766, Start Num: 73

Candidate Starts for Dylan_30:

(Start: 73 @13252 has 42 MA's), (Start: 76 @13255 has 13 MA's), (Start: 211 @13435 has 3 MA's), (267, 13528), (294, 13603), (310, 13636), (321, 13663), (330, 13693), (415, 13846), (417, 13852), (426, 13888), (428, 13897), (458, 13978), (462, 13987), (464, 13990), (544, 14086), (564, 14122), (566, 14125), (666, 14281), (670, 14290), (707, 14359), (713, 14368), (717, 14374), (739, 14407), (766, 14443), (825, 14530), (847, 14551), (903, 14614), (904, 14617), (907, 14620), (919, 14638), (938, 14659), (969, 14701), (996, 14734), (999, 14737), (1019, 14749),

Gene: Dynamo_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Dynamo_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: DyoEdafos_5 Start: 958, Stop: 2520, Start Num: 79

Candidate Starts for DyoEdafos_5:

(Start: 79 @958 has 143 MA's), (Start: 82 @964 has 6 MA's), (194, 1114), (238, 1180), (264, 1210), (281, 1234), (285, 1246), (286, 1249), (296, 1291), (355, 1417), (428, 1600), (455, 1675), (530, 1801), (540, 1822), (555, 1846), (558, 1852), (577, 1882), (579, 1888), (598, 1924), (624, 1957), (653, 1981), (670, 2014), (704, 2080), (732, 2128), (741, 2137), (756, 2152), (768, 2173), (810, 2239), (884, 2341), (991, 2461), (995, 2467), (1008, 2488), (1028, 2512),

Gene: E1_3 Start: 1202, Stop: 2782, Start Num: 135

Candidate Starts for E1_3:

(121, 1193), (Start: 124 @1196 has 1 MA's), (Start: 135 @1202 has 81 MA's), (Start: 158 @1229 has 9 MA's), (180, 1262), (199, 1292), (Start: 211 @1310 has 3 MA's), (Start: 213 @1313 has 10 MA's), (222, 1328), (Start: 234 @1349 has 4 MA's), (237, 1352), (289, 1439), (293, 1451), (299, 1469), (311, 1499), (312, 1502), (330, 1574), (333, 1580), (348, 1616), (355, 1622), (373, 1655), (405, 1712), (416, 1754), (418, 1760), (437, 1841), (448, 1877), (449, 1880), (460, 1907), (464, 1916), (476, 1952), (564, 2096), (580, 2126), (592, 2153), (600, 2168), (606, 2180), (634, 2222), (665, 2264), (669, 2273), (678, 2297), (707, 2345), (713, 2351), (725, 2372), (727, 2375), (770, 2429), (787, 2459), (836, 2498), (852, 2522), (869, 2555), (902, 2573), (921, 2600), (926, 2606), (934, 2618), (968, 2666), (987, 2696), (1047, 2771),

Gene: E6_3 Start: 957, Stop: 2411, Start Num: 153

Candidate Starts for E6_3:

(Start: 153 @957 has 11 MA's), (Start: 155 @960 has 6 MA's), (Start: 211 @1059 has 3 MA's), (229, 1086), (243, 1113), (247, 1122), (274, 1164), (283, 1179), (293, 1221), (315, 1263), (335, 1323), (354, 1350), (414, 1461), (428, 1518), (432, 1536), (443, 1563), (574, 1761), (576, 1764), (578, 1770), (593, 1803), (685, 1953), (739, 2037), (741, 2040), (753, 2046), (799, 2127), (812, 2139), (832, 2166), (1025, 2397),

Gene: ECartman_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for ECartman_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: EGUunicorn_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for EGUunicorn_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798),

(335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: ELee24_3 Start: 1134, Stop: 2594, Start Num: 107

Candidate Starts for ELee24_3:

(Start: 107 @1134 has 136 MA's), (Start: 113 @1140 has 2 MA's), (278, 1371), (303, 1440), (316, 1461), (331, 1512), (430, 1716), (511, 1851), (553, 1929), (565, 1944), (571, 1962), (580, 1980), (599, 2022), (621, 2055), (634, 2073), (710, 2193), (711, 2196), (719, 2208), (725, 2220), (770, 2283), (804, 2340), (810, 2346), (829, 2364), (831, 2367), (953, 2529), (959, 2538), (964, 2547), (989, 2586),

Gene: Easley_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Easley_3:

(Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (428, 1423), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Ebert_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Ebert_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Ecliptus_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Ecliptus_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (231, 808), (268, 871), (276, 886), (283, 898), (292, 937), (314, 979), (315, 982), (328, 1024), (339, 1051), (353, 1072), (363, 1090), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (422, 1222), (430, 1258), (432, 1264), (439, 1279), (443, 1291), (459, 1330), (507, 1411), (576, 1534), (579, 1543), (591, 1570), (612, 1609), (630, 1636), (651, 1657), (715, 1759), (732, 1786), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: EdElric_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for EdElric_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Eden_2 Start: 659, Stop: 2224, Start Num: 135

Candidate Starts for Eden_2:

(Start: 135 @659 has 81 MA's), (Start: 158 @686 has 9 MA's), (242, 815), (299, 923), (302, 929), (307, 938), (335, 1007), (356, 1049), (401, 1106), (417, 1157), (431, 1220), (576, 1535), (678, 1709), (684, 1721), (956, 2081), (1010, 2153), (1052, 2216),

Gene: EdnaMode_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for EdnaMode_2:

(Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Edugator_5 Start: 1349, Stop: 2776, Start Num: 168

Candidate Starts for Edugator_5:

(Start: 168 @1349 has 24 MA's), (198, 1406), (Start: 211 @1427 has 3 MA's), (Start: 225 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (330, 1679), (355, 1718), (383, 1754), (400, 1781), (415, 1832), (426, 1874), (428, 1883), (429, 1886), (458, 1964), (548, 2078), (574, 2126), (579, 2138), (593, 2168), (612, 2204), (630, 2231), (670, 2288), (713, 2372), (727, 2396), (782, 2474), (789, 2486), (825, 2531), (849, 2555), (869, 2579), (969, 2708), (1025, 2765),

Gene: Eesa_3 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Eesa_3:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (431, 1507), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (850, 2251), (857, 2263), (934, 2377), (985, 2446), (987, 2452), (994, 2464), (1003, 2473), (1015, 2485), (1017, 2488), (1047, 2527),

Gene: Efeko_4 Start: 928, Stop: 2388, Start Num: 107

Candidate Starts for Efeko_4:

(Start: 107 @928 has 136 MA's), (205, 1048), (Start: 234 @1096 has 4 MA's), (275, 1165), (303, 1237), (316, 1258), (317, 1264), (331, 1309), (418, 1459), (429, 1504), (437, 1537), (553, 1726), (575, 1768), (580, 1777), (621, 1852), (632, 1867), (634, 1870), (686, 1951), (719, 2005), (741, 2041), (752, 2047), (804, 2134), (831, 2161), (852, 2191), (953, 2323), (964, 2341), (989, 2380),

Gene: Efra2_8 Start: 1571, Stop: 2995, Start Num: 162

Candidate Starts for Efra2_8:

(Start: 85 @1499 has 1 MA's), (Start: 153 @1559 has 11 MA's), (Start: 162 @1571 has 165 MA's), (Start: 211 @1658 has 3 MA's), (Start: 225 @1682 has 18 MA's), (229, 1688), (249, 1727), (279, 1766), (283, 1775), (285, 1781), (295, 1823), (302, 1841), (315, 1859), (330, 1910), (355, 1949), (383, 1985), (386, 1988), (426, 2105), (428, 2114), (503, 2243), (548, 2309), (574, 2357), (579, 2369), (593, 2399), (604, 2423), (608, 2429), (621, 2450), (670, 2519), (713, 2591), (764, 2660), (766, 2663), (784, 2696), (825, 2750), (849, 2774), (904, 2837), (969, 2927), (1025, 2984), (1029, 2990),

Gene: Eightball_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Eightball_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Ein37_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Ein37_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749,

3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Ekdilam_5 Start: 1122, Stop: 2546, Start Num: 162

Candidate Starts for Ekdilam_5:

(Start: 153 @1110 has 11 MA's), (Start: 162 @1122 has 165 MA's), (Start: 211 @1209 has 3 MA's), (Start: 225 @1233 has 18 MA's), (279, 1317), (283, 1326), (295, 1374), (302, 1392), (315, 1410), (330, 1461), (361, 1509), (383, 1536), (426, 1656), (428, 1665), (429, 1668), (439, 1698), (458, 1746), (579, 1920), (593, 1950), (621, 2001), (640, 2022), (670, 2070), (691, 2112), (713, 2142), (766, 2214), (825, 2301), (1025, 2535), (1029, 2541),

Gene: Ekko14_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for Ekko14_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571, 1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: ElectricPheel_5 Start: 874, Stop: 2364, Start Num: 112

Candidate Starts for ElectricPheel_5:

(Start: 112 @874 has 46 MA's), (159, 919), (Start: 224 @1021 has 1 MA's), (241, 1048), (275, 1099), (285, 1111), (291, 1141), (295, 1153), (300, 1168), (329, 1234), (349, 1279), (409, 1366), (416, 1390), (417, 1393), (418, 1396), (429, 1441), (435, 1465), (437, 1474), (461, 1540), (517, 1603), (525, 1615), (553, 1657), (566, 1675), (596, 1735), (630, 1792), (657, 1804), (674, 1846), (715, 1924), (753, 1978), (795, 2044), (800, 2053), (865, 2128), (868, 2137), (893, 2164), (947, 2221), (982, 2275), (1036, 2347),

Gene: Elesar_5 Start: 1971, Stop: 3668, Start Num: 115

Candidate Starts for Elesar_5:

(70, 1911), (Start: 115 @1971 has 16 MA's), (199, 2091), (Start: 213 @2112 has 10 MA's), (242, 2160), (278, 2205), (283, 2208), (293, 2250), (299, 2268), (300, 2271), (310, 2292), (358, 2397), (401, 2451), (431, 2565), (457, 2646), (553, 2877), (584, 2943), (592, 2958), (637, 3033), (672, 3105), (678, 3129), (683, 3138), (700, 3168), (715, 3186), (741, 3228), (794, 3300), (836, 3339), (865, 3384), (913, 3432), (934, 3459), (937, 3462), (942, 3468), (956, 3489), (976, 3519), (985, 3531), (1041, 3609), (1058, 3657),

Gene: Elfy_2 Start: 478, Stop: 1989, Start Num: 148

Candidate Starts for Elfy_2:

(128, 457), (Start: 148 @478 has 1 MA's), (200, 568), (212, 586), (258, 634), (281, 676), (299, 742), (327, 805), (366, 868), (430, 1030), (447, 1087), (451, 1090), (486, 1159), (597, 1354), (605, 1372), (667, 1462), (707, 1540), (745, 1579), (766, 1621), (799, 1678), (819, 1705), (875, 1777),

Gene: Elkhorn_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Elkhorn_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (241, 974), (275, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (329, 1160), (349, 1205), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (435, 1391), (437, 1400), (461, 1466), (517, 1529), (525, 1541), (553, 1583), (566, 1601), (596, 1661), (630, 1718), (657, 1730), (667, 1754), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (800, 1979), (865, 2054), (868, 2063), (893, 2090), (947, 2147), (982, 2201), (1036, 2273),

Gene: Ellie_5 Start: 1213, Stop: 2637, Start Num: 162

Candidate Starts for Ellie_5:

(77, 1129), (Start: 153 @1201 has 11 MA's), (Start: 162 @1213 has 165 MA's), (Start: 211 @1300 has 3 MA's), (Start: 225 @1324 has 18 MA's), (279, 1408), (283, 1417), (295, 1465), (302, 1483), (315, 1501), (330, 1552), (383, 1627), (386, 1630), (426, 1747), (428, 1756), (429, 1759), (439, 1789), (458, 1837), (548, 1951), (574, 1999), (579, 2011), (593, 2041), (604, 2065), (612, 2077), (614, 2080), (621, 2092), (670, 2161), (691, 2203), (713, 2233), (766, 2305), (784, 2338), (789, 2347), (825, 2392), (969, 2569), (1025, 2626), (1029, 2632),

Gene: Ellson_5 Start: 1202, Stop: 2767, Start Num: 79

Candidate Starts for Ellson_5:

(38, 1151), (46, 1160), (Start: 79 @1202 has 143 MA's), (Start: 82 @1208 has 6 MA's), (203, 1379), (281, 1484), (283, 1490), (285, 1496), (343, 1652), (347, 1661), (354, 1664), (355, 1667), (398, 1742), (415, 1796), (416, 1799), (417, 1802), (522, 2033), (563, 2108), (577, 2129), (579, 2135), (595, 2162), (624, 2204), (653, 2228), (664, 2246), (670, 2261), (732, 2375), (764, 2414), (768, 2420), (810, 2486), (855, 2540), (877, 2576), (884, 2588), (920, 2627), (995, 2714), (1028, 2759), (1029, 2762),

Gene: Elspeth_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for Elspeth_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571, 1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: Elva_4 Start: 1014, Stop: 2639, Start Num: 135

Candidate Starts for Elva_4:

(Start: 135 @1014 has 81 MA's), (242, 1170), (285, 1224), (299, 1278), (335, 1362), (349, 1398), (358, 1407), (417, 1512), (418, 1515), (431, 1575), (436, 1593), (437, 1596), (445, 1623), (455, 1653), (536, 1815), (665, 2031), (705, 2106), (715, 2121), (956, 2472),

Gene: Emerson_8 Start: 1593, Stop: 3017, Start Num: 162

Candidate Starts for Emerson_8:

(Start: 85 @1521 has 1 MA's), (Start: 153 @1581 has 11 MA's), (Start: 162 @1593 has 165 MA's), (Start: 225 @1704 has 18 MA's), (229, 1710), (279, 1788), (283, 1797), (295, 1845), (302, 1863), (330, 1932), (356, 1974), (361, 1980), (383, 2007), (386, 2010), (426, 2127), (428, 2136), (458, 2217), (548, 2331), (574, 2379), (579, 2391), (593, 2421), (604, 2445), (612, 2457), (667, 2535), (670, 2541), (766, 2688), (784, 2721), (825, 2775), (969, 2952), (1025, 3006),

Gene: EmiRose_2 Start: 963, Stop: 2567, Start Num: 43

Candidate Starts for EmiRose_2:

(Start: 43 @963 has 1 MA's), (Start: 135 @1083 has 81 MA's), (Start: 170 @1125 has 43 MA's), (183, 1146), (223, 1218), (238, 1236), (281, 1287), (331, 1431), (440, 1668), (447, 1692), (455, 1707), (486, 1770), (521, 1821), (558, 1893), (702, 2109), (766, 2202), (777, 2226), (788, 2241), (824, 2289), (855, 2325), (881, 2364),

Gene: Emmaloid_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Emmaloid_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938,

2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Emperor_2 Start: 438, Stop: 1862, Start Num: 164

Candidate Starts for Emperor_2:

(Start: 118 @417 has 7 MA's), (Start: 164 @438 has 29 MA's), (Start: 224 @534 has 1 MA's), (241, 561), (275, 606), (283, 612), (285, 618), (290, 645), (302, 678), (330, 744), (370, 834), (417, 915), (537, 1146), (705, 1410), (767, 1503), (785, 1536), (794, 1548), (1032, 1842),

Gene: Enby_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Enby_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Enceladus_4 Start: 1053, Stop: 2636, Start Num: 79

Candidate Starts for Enceladus_4:

(Start: 79 @1053 has 143 MA's), (Start: 82 @1059 has 6 MA's), (203, 1230), (267, 1317), (281, 1335), (283, 1341), (291, 1377), (354, 1515), (355, 1518), (398, 1593), (416, 1650), (417, 1653), (477, 1821), (516, 1875), (522, 1884), (530, 1899), (540, 1920), (563, 1959), (577, 1980), (579, 1986), (595, 2013), (624, 2055), (653, 2079), (664, 2097), (667, 2106), (670, 2112), (682, 2145), (704, 2178), (727, 2217), (730, 2223), (732, 2226), (768, 2271), (810, 2337), (854, 2388), (866, 2412), (877, 2427), (879, 2430), (969, 2532), (991, 2559), (1028, 2610), (1029, 2613),

Gene: EniyanLRS_23 Start: 7822, Stop: 9435, Start Num: 88

Candidate Starts for EniyanLRS_23:

(Start: 88 @7822 has 6 MA's), (203, 7972), (214, 7990), (238, 8023), (249, 8035), (284, 8086), (285, 8089), (297, 8137), (299, 8143), (319, 8182), (320, 8185), (330, 8218), (369, 8287), (404, 8353), (408, 8371), (415, 8395), (417, 8401), (447, 8506), (467, 8548), (475, 8566), (480, 8575), (609, 8779), (613, 8785), (635, 8818), (727, 8983), (732, 8992), (739, 8998), (741, 9001), (782, 9076), (804, 9109), (816, 9124), (877, 9205), (991, 9358), (1006, 9379), (1007, 9382),

Gene: Enkosi_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Enkosi_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: Enochoraptor_2 Start: 385, Stop: 1896, Start Num: 157

Candidate Starts for Enochoraptor_2:

(Start: 157 @385 has 40 MA's), (Start: 181 @424 has 1 MA's), (186, 442), (207, 469), (217, 487), (238, 514), (240, 517), (278, 565), (283, 574), (285, 580), (291, 610), (296, 625), (315, 658), (321, 676), (329, 700), (330, 706), (347, 745), (350, 754), (352, 757), (372, 796), (374, 799), (398, 859), (404, 868), (416, 913), (417, 916), (422, 937), (426, 952), (428, 961), (430, 973), (442, 1012), (457, 1048), (458, 1051), (460, 1054), (469, 1075), (531, 1162), (553, 1186), (570, 1213), (579, 1234), (620, 1300), (749, 1510), (764, 1537), (774, 1558), (777, 1564), (790, 1576), (817, 1609), (838, 1627), (843, 1633), (864, 1663), (874, 1678), (891, 1711), (893, 1714), (900, 1726), (974, 1813), (1002, 1849), (1023, 1882), (1028,

1888),

Gene: Enoki_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for Enoki_2:

(Start: 155 @370 has 6 MA's), (Start: 157 @373 has 40 MA's), (Start: 167 @385 has 21 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (442, 1000), (451, 1021), (458, 1039), (460, 1042), (464, 1048), (469, 1063), (513, 1129), (515, 1132), (553, 1174), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (819, 1600), (838, 1615), (843, 1621), (855, 1642), (872, 1663), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (984, 1816), (1023, 1870), (1028, 1876),

Gene: EpicDab_2 Start: 546, Stop: 1865, Start Num: 224

Candidate Starts for EpicDab_2:

(Start: 118 @429 has 7 MA's), (Start: 164 @450 has 29 MA's), (Start: 224 @546 has 1 MA's), (275, 618), (285, 630), (296, 675), (330, 759), (336, 771), (372, 837), (429, 963), (446, 1026), (495, 1092), (525, 1125), (579, 1218), (618, 1287), (681, 1383), (710, 1428), (828, 1584), (868, 1641), (873, 1650), (913, 1695), (1015, 1827), (1033, 1851),

Gene: Eponine_9 Start: 2470, Stop: 3915, Start Num: 162

Candidate Starts for Eponine_9:

(Start: 162 @2470 has 165 MA's), (Start: 225 @2575 has 18 MA's), (279, 2659), (283, 2668), (295, 2716), (315, 2758), (330, 2809), (339, 2827), (361, 2857), (383, 2884), (415, 2962), (426, 3004), (428, 3013), (429, 3016), (458, 3094), (462, 3103), (503, 3142), (548, 3208), (574, 3256), (593, 3298), (604, 3322), (670, 3415), (689, 3457), (713, 3502), (764, 3571), (789, 3616), (799, 3631), (804, 3637), (825, 3661), (969, 3838), (1025, 3904), (1029, 3910),

Gene: Erin_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Erin_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: EstebanJulior_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for EstebanJulior_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (310, 780), (356, 882), (389, 942), (416, 1011), (418, 1017), (431, 1077), (449, 1137), (464, 1173), (495, 1236), (522, 1266), (584, 1362), (636, 1449), (686, 1524), (707, 1557), (730, 1593), (785, 1668), (799, 1689), (802, 1692), (865, 1755), (877, 1779), (956, 1857), (1045, 1977),

Gene: Estes_19 Start: 5466, Stop: 7007, Start Num: 102

Candidate Starts for Estes_19:

(Start: 102 @5466 has 21 MA's), (Start: 104 @5469 has 2 MA's), (Start: 235 @5652 has 15 MA's), (251, 5670), (275, 5703), (282, 5712), (299, 5775), (330, 5850), (415, 6003), (425, 6042), (458, 6135), (467, 6156), (558, 6303), (593, 6363), (704, 6510), (720, 6537), (768, 6615), (804, 6675), (827, 6702), (1008, 6957),

Gene: Etoile_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Etoile_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Eula_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for Eula_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (356, 1066), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Eunoia_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Eunoia_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (299, 759), (310, 783), (331, 837), (401, 966), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (584, 1365), (636, 1452), (686, 1527), (688, 1530), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: Evanesce_5 Start: 1894, Stop: 3489, Start Num: 101

Candidate Starts for Evanesce_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: EvenBluerMoon_3 Start: 1241, Stop: 2836, Start Num: 109

Candidate Starts for EvenBluerMoon_3:

(Start: 109 @1241 has 5 MA's), (291, 1499), (299, 1523), (302, 1529), (431, 1820), (440, 1850), (457, 1901), (461, 1910), (527, 2012), (533, 2024), (594, 2147), (678, 2276), (818, 2504), (848, 2546), (1047, 2825),

Gene: Eyes_2 Start: 522, Stop: 2105, Start Num: 136

Candidate Starts for Eyes_2:

(Start: 136 @522 has 13 MA's), (203, 624), (315, 840), (330, 888), (362, 948), (380, 960), (416, 1050), (428, 1098), (446, 1155), (511, 1299), (540, 1350), (639, 1506), (667, 1554), (676, 1578), (732, 1665), (810, 1785), (825, 1803), (875, 1872), (884, 1887), (895, 1911),

Gene: Eyoseyas_2 Start: 361, Stop: 1926, Start Num: 59

Candidate Starts for Eyoseyas_2:

(59, 361), (Start: 92 @412 has 1 MA's), (Start: 101 @424 has 5 MA's), (122, 448), (Start: 153 @472 has 11 MA's), (Start: 224 @583 has 1 MA's), (241, 610), (285, 673), (291, 703), (294, 712), (300, 730), (349, 841), (371, 874), (417, 955), (429, 1003), (452, 1084), (553, 1219), (570, 1246), (596, 1297), (614, 1330), (730, 1513), (795, 1606), (831, 1645), (836, 1651), (847, 1660), (868, 1699), (947, 1783), (956, 1798), (994, 1858), (1024, 1888),

Gene: Eyre_2 Start: 528, Stop: 2045, Start Num: 165

Candidate Starts for Eyre_2:

(Start: 155 @516 has 6 MA's), (Start: 165 @528 has 1 MA's), (200, 600), (207, 609), (272, 696), (288, 735), (291, 750), (377, 939), (430, 1080), (455, 1143), (486, 1200), (536, 1272), (564, 1329), (579, 1359), (611, 1416), (667, 1500), (682, 1539), (704, 1572), (710, 1581), (716, 1590), (746, 1644), (749,

1653), (764, 1680), (816, 1761), (841, 1797), (900, 1881), (969, 1962), (974, 1968),

Gene: Ezurina_3 Start: 865, Stop: 2403, Start Num: 148

Candidate Starts for Ezurina_3:

(Start: 148 @865 has 1 MA's), (179, 910), (285, 1069), (308, 1132), (340, 1219), (428, 1459), (430, 1471), (447, 1528), (536, 1687), (579, 1774), (605, 1828), (665, 1903), (882, 2206),

Gene: Fairfaxidum_2 Start: 378, Stop: 1928, Start Num: 151

Candidate Starts for Fairfaxidum_2:

(Start: 108 @333 has 52 MA's), (127, 354), (Start: 136 @363 has 13 MA's), (Start: 151 @378 has 89 MA's), (188, 441), (209, 477), (226, 504), (238, 519), (257, 552), (270, 573), (282, 594), (291, 633), (299, 657), (315, 693), (330, 741), (355, 783), (360, 795), (416, 900), (452, 1020), (511, 1113), (533, 1146), (540, 1164), (639, 1320), (656, 1341), (665, 1359), (704, 1431), (735, 1479), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (825, 1614), (884, 1701), (908, 1743), (948, 1794), (1035, 1911), (1038, 1917),

Gene: Faith1_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Faith1_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Faith5x5_2 Start: 473, Stop: 1936, Start Num: 181

Candidate Starts for Faith5x5_2:

(125, 422), (131, 428), (Start: 153 @437 has 11 MA's), (Start: 181 @473 has 1 MA's), (Start: 189 @497 has 1 MA's), (204, 524), (Start: 211 @536 has 3 MA's), (218, 548), (243, 590), (256, 611), (281, 650), (282, 653), (298, 713), (310, 734), (315, 740), (316, 743), (330, 791), (335, 800), (336, 803), (400, 911), (410, 947), (417, 968), (423, 995), (428, 1013), (429, 1016), (440, 1058), (443, 1067), (504, 1154), (505, 1160), (541, 1205), (570, 1256), (574, 1265), (576, 1268), (591, 1307), (593, 1310), (610, 1340), (653, 1391), (667, 1412), (670, 1418), (696, 1475), (711, 1490), (714, 1493), (740, 1526), (779, 1592), (784, 1595), (841, 1658), (861, 1688), (884, 1727), (885, 1730), (897, 1754), (905, 1766), (908, 1769), (957, 1835), (962, 1844), (965, 1847), (969, 1853), (984, 1877), (1023, 1922), (1025, 1925),

Gene: Faiyaz_9 Start: 4674, Stop: 6299, Start Num: 73

Candidate Starts for Faiyaz_9:

(22, 4593), (24, 4611), (54, 4650), (Start: 63 @4662 has 1 MA's), (70, 4668), (Start: 73 @4674 has 42 MA's), (Start: 79 @4680 has 143 MA's), (Start: 208 @4848 has 2 MA's), (215, 4860), (222, 4872), (299, 5016), (328, 5112), (330, 5121), (371, 5199), (374, 5205), (411, 5262), (416, 5277), (438, 5367), (448, 5400), (449, 5403), (517, 5475), (546, 5532), (568, 5580), (577, 5601), (582, 5613), (587, 5625), (600, 5649), (614, 5673), (618, 5679), (664, 5736), (672, 5754), (730, 5856), (761, 5898), (795, 5961), (800, 5970), (805, 5976), (898, 6090), (906, 6102), (924, 6120), (955, 6162), (983, 6204), (991, 6219),

Gene: Familton_31 Start: 13080, Stop: 14594, Start Num: 73

Candidate Starts for Familton_31:

(Start: 73 @13080 has 42 MA's), (Start: 76 @13083 has 13 MA's), (Start: 211 @13263 has 3 MA's), (267, 13356), (294, 13431), (310, 13464), (321, 13491), (330, 13521), (415, 13674), (417, 13680), (426, 13716), (428, 13725), (458, 13806), (462, 13815), (464, 13818), (504, 13857), (544, 13914), (564, 13950), (566, 13953), (666, 14109), (670, 14118), (707, 14187), (713, 14196), (717, 14202), (739, 14235), (766, 14271), (825, 14358), (847, 14379), (903, 14442), (904, 14445), (907, 14448), (919, 14466), (938, 14487), (969, 14529), (999, 14565), (1019, 14577),

Gene: FarmResident_4 Start: 810, Stop: 2372, Start Num: 79

Candidate Starts for FarmResident_4:

(Start: 79 @810 has 143 MA's), (Start: 82 @816 has 6 MA's), (194, 966), (238, 1032), (264, 1062), (281, 1086), (286, 1101), (296, 1143), (355, 1269), (417, 1407), (428, 1452), (455, 1527), (477, 1575), (530, 1653), (540, 1674), (555, 1698), (558, 1704), (577, 1734), (579, 1740), (598, 1776), (653, 1833), (670, 1866), (727, 1971), (732, 1980), (756, 2004), (768, 2025), (810, 2091), (884, 2193), (991, 2313), (995, 2319), (1008, 2340), (1028, 2364),

Gene: Fefferhead_7 Start: 1383, Stop: 2807, Start Num: 162

Candidate Starts for Fefferhead_7:

(77, 1299), (Start: 153 @1371 has 11 MA's), (Start: 162 @1383 has 165 MA's), (Start: 211 @1470 has 3 MA's), (Start: 225 @1494 has 18 MA's), (279, 1578), (283, 1587), (295, 1635), (302, 1653), (315, 1671), (330, 1722), (383, 1797), (386, 1800), (426, 1917), (428, 1926), (429, 1929), (439, 1959), (458, 2007), (548, 2121), (574, 2169), (579, 2181), (593, 2211), (604, 2235), (614, 2250), (621, 2262), (670, 2331), (691, 2373), (713, 2403), (766, 2475), (784, 2508), (789, 2517), (825, 2562), (1025, 2796), (1029, 2802),

Gene: Fenry_2 Start: 361, Stop: 1929, Start Num: 133

Candidate Starts for Fenry_2:

(53, 256), (111, 337), (Start: 133 @361 has 34 MA's), (190, 445), (209, 478), (238, 520), (246, 538), (257, 553), (270, 574), (282, 595), (291, 634), (315, 694), (327, 730), (330, 742), (356, 787), (360, 796), (383, 823), (416, 901), (446, 1006), (452, 1021), (458, 1036), (511, 1114), (540, 1165), (639, 1321), (665, 1360), (679, 1399), (704, 1432), (711, 1444), (741, 1489), (743, 1492), (749, 1498), (762, 1519), (766, 1528), (768, 1531), (784, 1561), (799, 1585), (812, 1600), (877, 1690), (884, 1702), (908, 1744), (917, 1759), (936, 1780), (948, 1795), (956, 1810), (1021, 1891), (1030, 1903), (1035, 1912),

Gene: Feyre_6 Start: 1325, Stop: 2752, Start Num: 168

Candidate Starts for Feyre_6:

(Start: 168 @1325 has 24 MA's), (198, 1382), (Start: 211 @1403 has 3 MA's), (Start: 225 @1427 has 18 MA's), (279, 1511), (283, 1520), (285, 1526), (295, 1568), (302, 1586), (315, 1604), (330, 1655), (337, 1670), (383, 1730), (415, 1808), (426, 1850), (428, 1859), (429, 1862), (458, 1940), (548, 2054), (574, 2102), (593, 2144), (604, 2168), (612, 2180), (630, 2207), (665, 2252), (670, 2264), (762, 2411), (782, 2450), (825, 2507), (849, 2531), (869, 2555), (893, 2579), (965, 2678), (969, 2684), (1025, 2741),

Gene: Finalfrontier_4 Start: 1182, Stop: 2810, Start Num: 135

Candidate Starts for Finalfrontier_4:

(Start: 135 @1182 has 81 MA's), (242, 1338), (299, 1446), (335, 1530), (344, 1554), (356, 1572), (401, 1629), (417, 1680), (418, 1683), (419, 1692), (431, 1743), (436, 1761), (445, 1791), (455, 1821), (705, 2277), (715, 2292), (956, 2643), (1058, 2799),

Gene: Findley_4 Start: 652, Stop: 2076, Start Num: 162

Candidate Starts for Findley_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (361, 1030), (383, 1057), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (614, 1510), (670, 1588), (691, 1630), (713, 1660), (728, 1687), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (1025, 2065),

Gene: Finemlucis_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Finemlucis_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963),

(558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Fingolfin_2 Start: 371, Stop: 1993, Start Num: 95

Candidate Starts for Fingolfin_2:

(Start: 84 @350 has 12 MA's), (Start: 95 @371 has 13 MA's), (275, 602), (278, 605), (285, 614), (293, 650), (299, 668), (331, 746), (401, 851), (431, 965), (438, 989), (449, 1025), (457, 1046), (464, 1061), (490, 1121), (536, 1205), (664, 1421), (669, 1433), (679, 1460), (705, 1499), (707, 1505), (732, 1544), (757, 1571), (768, 1583), (785, 1616), (794, 1628), (814, 1655), (818, 1661), (985, 1901), (987, 1907), (1003, 1928), (1022, 1949), (1045, 1979), (1047, 1982), (1048, 1985),

Gene: Finkle_2 Start: 383, Stop: 2002, Start Num: 86

Candidate Starts for Finkle_2:

(Start: 86 @383 has 1 MA's), (Start: 89 @389 has 1 MA's), (238, 605), (257, 638), (295, 731), (400, 920), (416, 974), (426, 1013), (431, 1037), (493, 1172), (511, 1187), (562, 1280), (639, 1394), (665, 1433), (715, 1523), (754, 1580), (862, 1733), (908, 1814), (1034, 1982),

Gene: Finnry_5 Start: 1187, Stop: 2752, Start Num: 79

Candidate Starts for Finnry_5:

(Start: 79 @1187 has 143 MA's), (Start: 82 @1193 has 6 MA's), (203, 1364), (281, 1469), (285, 1481), (343, 1637), (347, 1646), (354, 1649), (355, 1652), (398, 1727), (415, 1781), (416, 1784), (417, 1787), (522, 2018), (563, 2093), (577, 2114), (579, 2120), (624, 2189), (653, 2213), (664, 2231), (670, 2246), (732, 2360), (764, 2399), (768, 2405), (810, 2471), (877, 2561), (884, 2573), (920, 2612), (995, 2699), (1028, 2744), (1029, 2747),

Gene: Fionnbharth_9 Start: 2465, Stop: 3910, Start Num: 162

Candidate Starts for Fionnbharth_9:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: FirePit_2 Start: 361, Stop: 1926, Start Num: 59

Candidate Starts for FirePit_2:

(59, 361), (Start: 92 @412 has 1 MA's), (Start: 101 @424 has 5 MA's), (122, 448), (Start: 153 @472 has 11 MA's), (Start: 224 @583 has 1 MA's), (241, 610), (285, 673), (291, 703), (294, 712), (300, 730), (349, 841), (371, 874), (417, 955), (429, 1003), (452, 1084), (553, 1219), (570, 1246), (596, 1297), (614, 1330), (730, 1513), (795, 1606), (831, 1645), (836, 1651), (847, 1660), (868, 1699), (947, 1783), (956, 1798), (994, 1858), (1024, 1888),

Gene: Firecracker_31 Start: 13153, Stop: 14664, Start Num: 76

Candidate Starts for Firecracker_31:

(Start: 73 @13150 has 42 MA's), (Start: 76 @13153 has 13 MA's), (Start: 211 @13333 has 3 MA's), (267, 13426), (294, 13501), (310, 13534), (321, 13561), (330, 13591), (415, 13744), (417, 13750), (426, 13786), (428, 13795), (458, 13876), (462, 13885), (464, 13888), (504, 13927), (544, 13984), (564, 14020), (566, 14023), (666, 14179), (670, 14188), (707, 14257), (713, 14266), (717, 14272), (739, 14305), (766, 14341), (825, 14428), (847, 14449), (903, 14512), (904, 14515), (907, 14518), (919, 14536), (938, 14557), (969, 14599), (996, 14632), (999, 14635), (1019, 14647),

Gene: FirstPlacePfu_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for FirstPlacePfu_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Fishburne_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Fishburne_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: FlagStaff_2 Start: 359, Stop: 1903, Start Num: 74

Candidate Starts for FlagStaff_2:

(Start: 74 @359 has 22 MA's), (282, 632), (295, 683), (315, 719), (335, 779), (343, 800), (417, 932), (426, 968), (430, 989), (442, 1019), (458, 1058), (462, 1067), (574, 1220), (614, 1298), (655, 1364), (670, 1391), (732, 1490), (804, 1604), (825, 1628), (846, 1649), (893, 1700), (903, 1715), (969, 1808), (1025, 1892), (1029, 1898),

Gene: FlameThrower_3 Start: 871, Stop: 2436, Start Num: 135

Candidate Starts for FlameThrower_3:

(Start: 135 @871 has 81 MA's), (242, 1027), (299, 1135), (331, 1213), (336, 1222), (347, 1249), (401, 1318), (417, 1369), (431, 1432), (455, 1510), (592, 1783), (678, 1921), (769, 2050), (770, 2053), (994, 2353), (1022, 2383), (1052, 2428),

Gene: Flashwig_2 Start: 351, Stop: 1808, Start Num: 96

Candidate Starts for Flashwig_2:

(Start: 96 @351 has 1 MA's), (Start: 104 @360 has 2 MA's), (Start: 110 @366 has 6 MA's), (305, 633), (330, 699), (339, 717), (415, 849), (417, 855), (429, 903), (446, 966), (559, 1119), (576, 1155), (595, 1191), (623, 1239), (667, 1287), (698, 1350), (705, 1359), (769, 1461), (806, 1518), (857, 1569), (865, 1581), (915, 1644), (932, 1662), (994, 1755), (1003, 1764), (1032, 1797),

Gene: Flathead_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Flathead_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (274, 880), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (328, 1021), (336, 1042), (353, 1069), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101),

Gene: Fluke_5 Start: 3123, Stop: 4688, Start Num: 79

Candidate Starts for Fluke_5:

(Start: 79 @3123 has 143 MA's), (Start: 234 @3333 has 4 MA's), (237, 3336), (291, 3429), (299, 3453), (310, 3477), (411, 3693), (416, 3708), (418, 3714), (431, 3774), (495, 3933), (522, 3963), (529, 3978), (584, 4059), (630, 4137), (636, 4146), (669, 4182), (686, 4221), (707, 4254), (715, 4263), (730, 4290), (773, 4344), (799, 4386), (852, 4431), (865, 4452), (877, 4476), (956, 4554), (1045, 4674),

Gene: Forge_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Forge_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425,

2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: FoulBall_30 Start: 13077, Stop: 14588, Start Num: 76

Candidate Starts for FoulBall_30:

(Start: 73 @13074 has 42 MA's), (Start: 76 @13077 has 13 MA's), (Start: 211 @13257 has 3 MA's), (267, 13350), (294, 13425), (310, 13458), (321, 13485), (330, 13515), (415, 13668), (417, 13674), (426, 13710), (428, 13719), (458, 13800), (462, 13809), (464, 13812), (504, 13851), (544, 13908), (564, 13944), (566, 13947), (666, 14103), (670, 14112), (707, 14181), (713, 14190), (717, 14196), (739, 14229), (766, 14265), (825, 14352), (847, 14373), (903, 14436), (904, 14439), (907, 14442), (919, 14460), (938, 14481), (969, 14523), (999, 14559), (1019, 14571),

Gene: Francois_6 Start: 1977, Stop: 3407, Start Num: 235

Candidate Starts for Francois_6:

(Start: 124 @1809 has 1 MA's), (127, 1812), (130, 1815), (Start: 136 @1821 has 13 MA's), (Start: 235 @1977 has 15 MA's), (244, 1995), (283, 2058), (299, 2118), (310, 2136), (325, 2175), (328, 2184), (381, 2268), (386, 2277), (417, 2352), (421, 2367), (429, 2400), (451, 2466), (616, 2784), (618, 2787), (629, 2799), (664, 2847), (679, 2889), (715, 2940), (735, 2970), (766, 3018), (779, 3045), (825, 3105), (854, 3138), (863, 3153), (908, 3231), (956, 3294), (958, 3297),

Gene: Frankie_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Frankie_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (251, 844), (256, 850), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (328, 1021), (336, 1042), (353, 1069), (357, 1078), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Franklin22_2 Start: 667, Stop: 2232, Start Num: 135

Candidate Starts for Franklin22_2:

(Start: 135 @667 has 81 MA's), (Start: 158 @694 has 9 MA's), (242, 823), (299, 931), (302, 937), (335, 1015), (356, 1057), (401, 1114), (417, 1165), (431, 1228), (678, 1717), (775, 1861), (837, 1921), (956, 2089), (1010, 2161), (1043, 2203), (1052, 2224),

Gene: FreakyGoo_15 Start: 4719, Stop: 6263, Start Num: 102

Candidate Starts for FreakyGoo_15:

(Start: 102 @4719 has 21 MA's), (Start: 145 @4767 has 1 MA's), (282, 4968), (330, 5106), (425, 5298), (530, 5508), (558, 5559), (598, 5631), (667, 5694), (676, 5718), (682, 5733), (720, 5793), (727, 5805), (764, 5865), (782, 5898), (804, 5931), (827, 5958), (865, 6006), (995, 6192), (1008, 6213),

Gene: Frickyeah_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Frickyeah_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (256, 853), (276, 886), (292, 937), (295, 946), (315, 982), (328, 1024), (336, 1045), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (459, 1330), (507, 1411), (541, 1471), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (608, 1603), (651, 1657), (715, 1759), (732, 1786), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (975, 2101), (984, 2113),

Gene: Frizzle_1 Start: 60, Stop: 1760, Start Num: 19

Candidate Starts for Frizzle_1:

(15, 21), (Start: 19 @60 has 4 MA's), (201, 345), (278, 459), (316, 549), (320, 564), (328, 588), (349, 642), (415, 750), (419, 768), (437, 840), (448, 876), (460, 906), (527, 966), (597, 1107), (684, 1248), (686, 1251), (688, 1254), (690, 1257), (705, 1278), (715, 1293), (799, 1425), (839, 1479), (854, 1503), (1003, 1695),

Gene: FroggyToad_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for FroggyToad_2:

(Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (400, 819), (426, 912), (431, 936), (446, 978), (493, 1071), (511, 1086), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (763, 1500), (766, 1506), (784, 1539), (810, 1575), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (1033, 1872),

Gene: Frokostdame_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for Frokostdame_2:

(Start: 108 @334 has 52 MA's), (127, 355), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (296, 646), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (917, 1753), (1049, 1942),

Gene: Frosty24_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Frosty24_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Fryberger_34 Start: 9845, Stop: 11251, Start Num: 182

Candidate Starts for Fryberger_34:

(146, 9788), (Start: 182 @9845 has 6 MA's), (268, 9971), (290, 10031), (293, 10040), (329, 10124), (351, 10178), (416, 10304), (418, 10310), (422, 10328), (439, 10394), (452, 10427), (463, 10448), (481, 10481), (511, 10526), (579, 10619), (631, 10697), (663, 10742), (670, 10760), (713, 10823), (717, 10829), (798, 10955), (841, 11000), (853, 11018), (991, 11192),

Gene: Fulbright_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Fulbright_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: G4_3 Start: 956, Stop: 2410, Start Num: 153

Candidate Starts for G4_3:

(Start: 153 @956 has 11 MA's), (Start: 155 @959 has 6 MA's), (Start: 211 @1058 has 3 MA's), (229, 1085), (243, 1112), (247, 1121), (274, 1163), (283, 1178), (293, 1220), (315, 1262), (335, 1322), (343, 1340), (414, 1460), (428, 1517), (432, 1535), (443, 1562), (574, 1760), (576, 1763), (578, 1769), (593,

1802), (667, 1907), (799, 2126), (832, 2165), (1025, 2396),

Gene: GEazy_2 Start: 522, Stop: 2105, Start Num: 136

Candidate Starts for GEazy_2:

(105, 489), (114, 498), (Start: 136 @522 has 13 MA's), (296, 807), (315, 840), (330, 888), (362, 948), (380, 960), (416, 1050), (446, 1155), (511, 1299), (540, 1350), (596, 1446), (639, 1506), (667, 1554), (676, 1578), (732, 1665), (788, 1755), (810, 1785), (825, 1803), (875, 1872), (884, 1887), (895, 1911),

Gene: GMA5_2 Start: 466, Stop: 1860, Start Num: 164

Candidate Starts for GMA5_2:

(Start: 164 @466 has 29 MA's), (Start: 224 @559 has 1 MA's), (295, 685), (302, 703), (328, 763), (330, 772), (331, 775), (389, 859), (415, 922), (417, 928), (429, 976), (444, 1030), (525, 1132), (590, 1243), (668, 1348), (684, 1387), (688, 1393), (806, 1567), (869, 1642), (953, 1741), (1032, 1846),

Gene: GRU3_2 Start: 495, Stop: 1916, Start Num: 164

Candidate Starts for GRU3_2:

(Start: 164 @495 has 29 MA's), (Start: 224 @588 has 1 MA's), (241, 615), (278, 663), (285, 672), (291, 702), (295, 714), (310, 750), (322, 774), (328, 792), (330, 801), (417, 963), (429, 1011), (446, 1074), (668, 1389), (674, 1404), (684, 1428), (838, 1647), (869, 1692), (896, 1719), (940, 1770), (953, 1791),

Gene: Gabbspett_3 Start: 1176, Stop: 2636, Start Num: 107

Candidate Starts for Gabbspett_3:

(Start: 107 @1176 has 136 MA's), (Start: 113 @1182 has 2 MA's), (237, 1344), (242, 1353), (278, 1413), (303, 1482), (316, 1503), (331, 1554), (430, 1758), (511, 1893), (553, 1971), (565, 1986), (580, 2022), (599, 2064), (621, 2097), (634, 2115), (710, 2235), (711, 2238), (719, 2250), (770, 2325), (810, 2388), (816, 2397), (829, 2406), (831, 2409), (953, 2571), (959, 2580), (964, 2589), (989, 2628),

Gene: Gabriela_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Gabriela_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Gack_2 Start: 703, Stop: 2268, Start Num: 135

Candidate Starts for Gack_2:

(Start: 135 @703 has 81 MA's), (Start: 158 @730 has 9 MA's), (242, 859), (299, 967), (302, 973), (307, 982), (335, 1051), (356, 1093), (401, 1150), (417, 1201), (431, 1264), (471, 1384), (592, 1615), (678, 1753), (769, 1882), (956, 2125), (1043, 2239), (1052, 2260),

Gene: Galaxy_3 Start: 758, Stop: 2338, Start Num: 150

Candidate Starts for Galaxy_3:

(Start: 84 @692 has 12 MA's), (Start: 150 @758 has 12 MA's), (176, 794), (Start: 213 @854 has 10 MA's), (218, 863), (294, 995), (299, 1010), (310, 1034), (321, 1055), (401, 1193), (417, 1244), (419, 1256), (431, 1307), (435, 1319), (457, 1388), (482, 1448), (493, 1478), (498, 1487), (536, 1550), (664, 1766), (669, 1778), (686, 1817), (705, 1844), (715, 1859), (732, 1889), (768, 1928), (772, 1937), (775, 1946), (840, 2036), (857, 2063), (934, 2177), (985, 2246),

Gene: Gallop_2 Start: 389, Stop: 1936, Start Num: 132

Candidate Starts for Gallop_2:

(132, 389), (140, 398), (149, 404), (180, 449), (230, 542), (238, 551), (254, 581), (291, 665), (293, 671), (295, 677), (327, 749), (398, 863), (410, 902), (416, 920), (426, 959), (440, 1004), (443, 1013), (446,

1025), (464, 1073), (484, 1121), (551, 1220), (557, 1232), (562, 1241), (585, 1274), (619, 1334), (639, 1361), (641, 1364), (654, 1382), (664, 1397), (665, 1400), (710, 1478), (725, 1505), (730, 1511), (762, 1556), (779, 1592), (804, 1628), (936, 1811), (950, 1832), (956, 1841), (983, 1883), (997, 1898),

Gene: GaloreK_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for GaloreK_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Gambino_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for Gambino_2:

(Start: 108 @334 has 52 MA's), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (296, 646), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (917, 1753), (1049, 1942),

Gene: Gancho_4 Start: 1561, Stop: 3195, Start Num: 73

Candidate Starts for Gancho_4:

(Start: 73 @1561 has 42 MA's), (Start: 101 @1600 has 5 MA's), (Start: 157 @1648 has 40 MA's), (257, 1819), (280, 1858), (354, 2038), (358, 2047), (362, 2056), (398, 2119), (402, 2125), (424, 2209), (425, 2212), (426, 2215), (458, 2311), (460, 2314), (464, 2323), (499, 2389), (530, 2419), (543, 2446), (561, 2479), (574, 2500), (576, 2503), (639, 2599), (656, 2620), (704, 2710), (730, 2752), (743, 2770), (749, 2776), (784, 2839), (788, 2845), (789, 2848), (825, 2893), (830, 2899), (854, 2926), (863, 2941), (890, 2992), (895, 3001), (905, 3016), (908, 3019), (936, 3058), (948, 3073), (956, 3088), (958, 3091), (1031, 3169), (1034, 3175),

Gene: Ganymede_8 Start: 1613, Stop: 3034, Start Num: 162

Candidate Starts for Ganymede_8:

(Start: 85 @1541 has 1 MA's), (Start: 153 @1601 has 11 MA's), (Start: 162 @1613 has 165 MA's), (Start: 225 @1724 has 18 MA's), (229, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (330, 1952), (356, 1994), (361, 2000), (383, 2027), (386, 2030), (426, 2147), (428, 2156), (458, 2237), (548, 2351), (574, 2399), (579, 2411), (593, 2441), (604, 2465), (612, 2477), (667, 2555), (670, 2561), (766, 2705), (784, 2738), (825, 2792), (969, 2969), (1025, 3023),

Gene: Gardann_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Gardann_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: GardenSalsa_18 Start: 5300, Stop: 6841, Start Num: 102

Candidate Starts for GardenSalsa_18:

(Start: 102 @5300 has 21 MA's), (Start: 104 @5303 has 2 MA's), (Start: 235 @5486 has 15 MA's), (251, 5504), (275, 5537), (282, 5546), (299, 5609), (330, 5684), (415, 5837), (425, 5876), (458, 5969), (467, 5990), (558, 6137), (593, 6197), (720, 6371), (768, 6449), (804, 6509), (827, 6536), (1008, 6791),

Gene: Gardevoir_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Gardevoir_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Gavriela_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Gavriela_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: GemG_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for GemG_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: GenevaB15_18 Start: 5321, Stop: 6862, Start Num: 102

Candidate Starts for GenevaB15_18:

(Start: 102 @5321 has 21 MA's), (Start: 104 @5324 has 2 MA's), (Start: 235 @5507 has 15 MA's), (251, 5525), (275, 5558), (282, 5567), (330, 5705), (415, 5858), (425, 5897), (458, 5990), (467, 6011), (558, 6158), (593, 6218), (704, 6365), (720, 6392), (768, 6470), (804, 6530), (827, 6557), (1008, 6812),

Gene: Gengar_6 Start: 1351, Stop: 2778, Start Num: 168

Candidate Starts for Gengar_6:

(77, 1258), (Start: 168 @1351 has 24 MA's), (198, 1408), (Start: 211 @1429 has 3 MA's), (Start: 225 @1453 has 18 MA's), (279, 1537), (283, 1546), (285, 1552), (295, 1594), (302, 1612), (315, 1630), (330, 1681), (383, 1756), (415, 1834), (426, 1876), (428, 1885), (429, 1888), (458, 1966), (548, 2080), (574, 2128), (593, 2170), (604, 2194), (612, 2206), (630, 2233), (665, 2278), (670, 2290), (762, 2437), (782, 2476), (825, 2533), (849, 2557), (869, 2581), (893, 2605), (965, 2704), (969, 2710), (1025, 2767),

Gene: Geraldini_8 Start: 1616, Stop: 3037, Start Num: 162

Candidate Starts for Geraldini_8:

(Start: 85 @1544 has 1 MA's), (Start: 153 @1604 has 11 MA's), (Start: 162 @1616 has 165 MA's), (Start: 225 @1727 has 18 MA's), (229, 1733), (279, 1811), (283, 1820), (295, 1868), (302, 1886), (330, 1955), (356, 1997), (361, 2003), (383, 2030), (386, 2033), (426, 2150), (428, 2159), (548, 2354), (574, 2402), (579, 2414), (593, 2444), (604, 2468), (612, 2480), (667, 2558), (670, 2564), (766, 2708), (784, 2741), (825, 2795), (969, 2972), (1025, 3026),

Gene: Gerri43_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for Gerri43_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: Getalong_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Getalong_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (256, 853), (276, 886), (292, 937), (295, 946), (315, 982), (328, 1024), (336, 1045), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (429, 1249), (430,

1258), (439, 1279), (443, 1291), (453, 1318), (459, 1330), (504, 1399), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (630, 1636), (651, 1657), (715, 1759), (732, 1786), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Gex_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Gex_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Ghobes_1 Start: 60, Stop: 1760, Start Num: 19

Candidate Starts for Ghobes_1:

(15, 21), (Start: 19 @60 has 4 MA's), (201, 345), (Start: 234 @399 has 4 MA's), (278, 459), (320, 564), (328, 588), (349, 642), (415, 750), (433, 825), (437, 840), (448, 876), (460, 906), (527, 966), (597, 1107), (684, 1248), (686, 1251), (688, 1254), (690, 1257), (705, 1278), (715, 1293), (799, 1425), (839, 1479), (854, 1503), (1003, 1695),

Gene: Gibbzilla_2 Start: 311, Stop: 1765, Start Num: 153

Candidate Starts for Gibbzilla_2:

(37, 170), (Start: 56 @191 has 50 MA's), (111, 269), (149, 305), (Start: 153 @311 has 11 MA's), (191, 377), (Start: 211 @413 has 3 MA's), (291, 569), (295, 581), (310, 611), (315, 617), (316, 620), (321, 638), (417, 827), (428, 872), (439, 905), (504, 1004), (505, 1010), (557, 1085), (570, 1106), (574, 1115), (653, 1247), (662, 1253), (667, 1268), (703, 1334), (707, 1340), (732, 1379), (764, 1421), (766, 1424), (782, 1454), (825, 1511), (910, 1607), (935, 1637), (972, 1688), (1025, 1754),

Gene: Gideon_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Gideon_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Giles_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Giles_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Gillker_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Gillker_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Girafales_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Girafales_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (220, 789), (Start: 225 @798 has 18 MA's), (231, 807), (274, 882), (276, 885), (281, 891), (292, 936), (293, 939), (300, 960), (314, 978), (353, 1071), (363, 1089), (365, 1092), (383, 1116), (417, 1200), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (453, 1317), (459, 1329), (505, 1404), (524, 1434), (526, 1437), (548, 1482), (576, 1533), (579, 1542), (591, 1569), (608, 1602), (642, 1647), (667, 1680), (826, 1920), (844, 1935), (847, 1941), (869, 1965), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Gisselle_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Gisselle_2:

(Start: 79 @426 has 143 MA's), (180, 549), (275, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (416, 1011), (418, 1017), (431, 1077), (495, 1236), (522, 1266), (529, 1281), (594, 1380), (630, 1440), (636, 1449), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (956, 1857), (1045, 1977),

Gene: Gizermo_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Gizermo_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Glaske_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Glaske_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Glaske16_15 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for Glaske16_15:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: Glenn_5 Start: 3133, Stop: 4698, Start Num: 79

Candidate Starts for Glenn_5:

(Start: 79 @3133 has 143 MA's), (Start: 234 @3343 has 4 MA's), (237, 3346), (275, 3397), (299, 3463), (310, 3487), (411, 3703), (415, 3715), (416, 3718), (418, 3724), (431, 3784), (449, 3844), (453, 3856), (495, 3943), (522, 3973), (529, 3988), (584, 4069), (630, 4147), (636, 4156), (669, 4192), (686, 4231), (707, 4264), (715, 4273), (730, 4300), (773, 4354), (799, 4396), (852, 4441), (865, 4462), (877, 4486), (956, 4564), (1045, 4684),

Gene: Glotell_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for Glotell_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: GodSpeed_2 Start: 359, Stop: 1906, Start Num: 74

Candidate Starts for GodSpeed_2:

(Start: 74 @359 has 22 MA's), (282, 632), (315, 719), (335, 779), (343, 800), (417, 932), (426, 968), (430, 989), (442, 1019), (458, 1058), (462, 1067), (574, 1220), (614, 1298), (643, 1343), (644, 1346), (670, 1394), (679, 1418), (732, 1493), (804, 1607), (825, 1631), (846, 1652), (893, 1703), (900, 1715), (903, 1718), (969, 1811), (1025, 1895), (1029, 1901),

Gene: Godfather_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Godfather_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Goib_8 Start: 3467, Stop: 5074, Start Num: 110

Candidate Starts for Goib_8:

(Start: 50 @3389 has 3 MA's), (Start: 110 @3467 has 6 MA's), (283, 3695), (310, 3779), (321, 3800), (328, 3821), (401, 3959), (418, 4013), (439, 4100), (440, 4103), (449, 4133), (536, 4238), (584, 4340), (657, 4463), (694, 4550), (705, 4565), (715, 4580), (761, 4643), (808, 4712), (836, 4754), (852, 4778), (881, 4829), (882, 4832), (905, 4865), (956, 4931), (988, 4982), (1050, 5060), (1054, 5066),

Gene: GoldenAsh_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for GoldenAsh_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: GoldenBlanche_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for GoldenBlanche_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Gomashi_2 Start: 456, Stop: 1892, Start Num: 170

Candidate Starts for Gomashi_2:

(Start: 74 @360 has 22 MA's), (Start: 170 @456 has 43 MA's), (Start: 172 @459 has 3 MA's), (Start: 189 @495 has 1 MA's), (Start: 211 @534 has 3 MA's), (295, 696), (330, 783), (335, 792), (343, 810), (355, 822), (417, 942), (426, 978), (430, 999), (439, 1020), (458, 1068), (462, 1077), (574, 1230), (602, 1290), (614, 1308), (655, 1359), (670, 1386), (676, 1401), (677, 1404), (732, 1485), (763, 1530), (810, 1605), (825, 1623), (846, 1644), (889, 1689), (900, 1707), (903, 1710), (969, 1803), (1028, 1884),

Gene: Gonephishing_10 Start: 4236, Stop: 5768, Start Num: 167

Candidate Starts for Gonephishing_10:

(Start: 94 @4152 has 4 MA's), (131, 4194), (139, 4203), (Start: 167 @4236 has 21 MA's), (Start: 235 @4350 has 15 MA's), (268, 4413), (284, 4446), (285, 4449), (294, 4488), (296, 4494), (328, 4569), (343, 4605), (398, 4680), (400, 4683), (410, 4719), (420, 4752), (546, 5001), (579, 5064), (592, 5091), (680, 5250), (704, 5286), (725, 5316), (730, 5325), (766, 5379), (777, 5403), (969, 5637), (977, 5649),

Gene: Goobery_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Goobery_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: GoodLuckBabe_6 Start: 1957, Stop: 3657, Start Num: 115

Candidate Starts for GoodLuckBabe_6:

(72, 1900), (Start: 95 @1936 has 13 MA's), (Start: 115 @1957 has 16 MA's), (199, 2080), (Start: 213 @2101 has 10 MA's), (242, 2149), (278, 2194), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (401, 2440), (431, 2554), (449, 2614), (457, 2635), (485, 2701), (553, 2866), (584, 2932), (592, 2947), (678, 3118), (707, 3166), (715, 3175), (741, 3217), (770, 3250), (794, 3289), (837, 3331), (913, 3421), (934, 3448), (937, 3451), (942, 3457), (985, 3520), (1041, 3598), (1058, 3646),

Gene: Goulash_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Goulash_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: GrandSlam_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for GrandSlam_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Gravaillia_5 Start: 1594, Stop: 3228, Start Num: 73

Candidate Starts for Gravaillia_5:

(Start: 73 @1594 has 42 MA's), (Start: 101 @1633 has 5 MA's), (Start: 157 @1681 has 40 MA's), (257, 1852), (280, 1891), (354, 2071), (358, 2080), (362, 2089), (398, 2152), (402, 2158), (424, 2242), (425, 2245), (426, 2248), (458, 2344), (460, 2347), (464, 2356), (499, 2422), (530, 2452), (543, 2479), (561, 2512), (574, 2533), (576, 2536), (639, 2632), (656, 2653), (704, 2743), (730, 2785), (743, 2803), (749, 2809), (784, 2872), (788, 2878), (789, 2881), (825, 2926), (830, 2932), (854, 2959), (863, 2974), (890, 3025), (895, 3034), (905, 3049), (908, 3052), (936, 3091), (948, 3106), (956, 3121), (958, 3124), (1031, 3202), (1034, 3208),

Gene: Gravel_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Gravel_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (Start: 224 @1072 has 1 MA's), (237, 1093), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (436, 1525), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Graynor_5 Start: 3279, Stop: 4661, Start Num: 218

Candidate Starts for Graynor_5:

(Start: 79 @3093 has 143 MA's), (218, 3279), (237, 3309), (275, 3360), (285, 3372), (291, 3402), (296, 3417), (356, 3552), (401, 3633), (416, 3681), (431, 3747), (445, 3795), (448, 3804), (479, 3879), (495, 3906), (522, 3936), (669, 4155), (707, 4227), (730, 4263), (799, 4359), (865, 4425), (901, 4455), (905, 4461), (956, 4527), (1045, 4647),

Gene: Grayscar_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Grayscar_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: GreaseLightnin_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for GreaseLightnin_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: GreenHearts_5 Start: 3132, Stop: 4697, Start Num: 79

Candidate Starts for GreenHearts_5:

(Start: 79 @3132 has 143 MA's), (Start: 213 @3306 has 10 MA's), (Start: 234 @3342 has 4 MA's), (275, 3396), (284, 3405), (291, 3438), (296, 3453), (299, 3462), (356, 3588), (411, 3702), (415, 3714), (416, 3717), (418, 3723), (431, 3783), (449, 3843), (495, 3942), (522, 3972), (529, 3987), (570, 4035), (636, 4155), (686, 4230), (707, 4263), (730, 4299), (785, 4374), (799, 4395), (836, 4416), (877, 4485), (956, 4563), (982, 4602), (1003, 4632), (1015, 4644), (1045, 4683), (1050, 4692),

Gene: Greenhouse_5 Start: 3101, Stop: 4666, Start Num: 79

Candidate Starts for Greenhouse_5:

(Start: 79 @3101 has 143 MA's), (Start: 213 @3275 has 10 MA's), (Start: 234 @3311 has 4 MA's), (275, 3365), (284, 3374), (291, 3407), (299, 3431), (411, 3671), (416, 3686), (418, 3692), (431, 3752), (449, 3812), (476, 3878), (495, 3911), (522, 3941), (529, 3956), (570, 4004), (636, 4124), (686, 4199), (707, 4232), (785, 4343), (799, 4364), (836, 4385), (877, 4454), (956, 4532), (982, 4571), (1003, 4601), (1015, 4613), (1045, 4652), (1050, 4661),

Gene: GrimEater_2 Start: 464, Stop: 1984, Start Num: 119

Candidate Starts for GrimEater_2:

(Start: 119 @464 has 2 MA's), (200, 590), (219, 620), (258, 656), (327, 827), (329, 833), (404, 950), (426, 1034), (430, 1055), (440, 1088), (447, 1112), (486, 1184), (615, 1412), (667, 1484), (678, 1514), (766, 1643), (799, 1700), (812, 1715), (893, 1802), (933, 1856), (1021, 1973),

Gene: Grizzly_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Grizzly_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (342, 806), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (679, 1409), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Gsput1_5 Start: 1941, Stop: 3626, Start Num: 50

Candidate Starts for Gsput1_5:

(Start: 50 @1941 has 3 MA's), (71, 1968), (Start: 135 @2022 has 81 MA's), (Start: 213 @2133 has 10 MA's), (275, 2223), (283, 2229), (285, 2235), (293, 2271), (296, 2280), (321, 2334), (340, 2385), (401, 2493), (416, 2541), (418, 2547), (438, 2631), (439, 2634), (440, 2637), (449, 2667), (517, 2739), (536, 2772), (569, 2838), (584, 2874), (684, 3069), (761, 3171), (882, 3360), (895, 3378), (905, 3393), (937, 3435), (956, 3459), (1003, 3528), (1054, 3618),

Gene: Guacamole_2 Start: 361, Stop: 1929, Start Num: 133

Candidate Starts for Guacamole_2:

(53, 256), (Start: 133 @361 has 34 MA's), (190, 445), (209, 478), (238, 520), (246, 538), (257, 553), (270, 574), (282, 595), (291, 634), (315, 694), (327, 730), (330, 742), (355, 784), (360, 796), (383, 823), (416, 901), (446, 1006), (452, 1021), (458, 1036), (511, 1114), (540, 1165), (639, 1321), (656, 1342), (665, 1360), (667, 1366), (704, 1432), (711, 1444), (741, 1489), (743, 1492), (749, 1498), (762, 1519), (766, 1528), (768, 1531), (812, 1600), (884, 1702), (908, 1744), (917, 1759), (948, 1795), (1021, 1891), (1030, 1903), (1035, 1912),

Gene: Guanica15_8 Start: 1587, Stop: 3011, Start Num: 162

Candidate Starts for Guanica15_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 211 @1674 has 3 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (249, 1743), (279, 1782), (283, 1791), (285, 1797), (295, 1839), (302, 1857), (315, 1875), (330, 1926), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (503, 2259), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (608, 2445), (621, 2466), (670, 2535), (713, 2607), (764, 2676), (766, 2679), (784, 2712), (825, 2766), (849, 2790), (904, 2853), (969, 2943), (1025, 3000), (1029, 3006),

Gene: Guey18_39 Start: 11038, Stop: 12444, Start Num: 182

Candidate Starts for Guey18_39:

(146, 10981), (Start: 182 @11038 has 6 MA's), (268, 11164), (290, 11224), (293, 11233), (308, 11260), (329, 11317), (351, 11371), (416, 11497), (418, 11503), (422, 11521), (439, 11587), (463, 11641), (481, 11674), (511, 11719), (579, 11812), (631, 11890), (663, 11935), (670, 11953), (713, 12016), (717, 12022), (798, 12148), (841, 12193), (853, 12211), (991, 12385),

Gene: Guillsminger_6 Start: 1326, Stop: 2753, Start Num: 168

Candidate Starts for Guillsminger_6:

(77, 1233), (Start: 168 @1326 has 24 MA's), (198, 1383), (Start: 211 @1404 has 3 MA's), (Start: 225 @1428 has 18 MA's), (279, 1512), (283, 1521), (285, 1527), (295, 1569), (302, 1587), (315, 1605), (330, 1656), (383, 1731), (415, 1809), (426, 1851), (428, 1860), (429, 1863), (458, 1941), (548, 2055), (574, 2103), (593, 2145), (604, 2169), (612, 2181), (630, 2208), (665, 2253), (670, 2265), (762, 2412), (782, 2451), (825, 2508), (849, 2532), (869, 2556), (893, 2580), (965, 2679), (969, 2685), (1025, 2742),

Gene: Guinevere_6 Start: 1957, Stop: 3657, Start Num: 115

Candidate Starts for Guinevere_6:

(72, 1900), (Start: 95 @1936 has 13 MA's), (Start: 115 @1957 has 16 MA's), (199, 2080), (Start: 213 @2101 has 10 MA's), (242, 2149), (278, 2194), (283, 2197), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (358, 2386), (401, 2440), (431, 2554), (449, 2614), (457, 2635), (485, 2701), (553, 2866), (584, 2932), (592, 2947), (678, 3118), (700, 3157), (707, 3166), (715, 3175), (741, 3217), (770, 3250), (794, 3289), (837, 3331), (865, 3373), (913, 3421), (934, 3448), (937, 3451), (942, 3457), (956, 3478), (985, 3520), (1058, 3646),

Gene: Guntur_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Guntur_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Gusanita_4 Start: 1860, Stop: 3557, Start Num: 115

Candidate Starts for Gusanita_4:

(70, 1800), (Start: 115 @1860 has 16 MA's), (199, 1980), (Start: 213 @2001 has 10 MA's), (222, 2016), (242, 2049), (278, 2094), (283, 2097), (293, 2139), (299, 2157), (300, 2160), (358, 2286), (401, 2340), (431, 2454), (457, 2535), (553, 2766), (584, 2832), (592, 2847), (672, 2994), (678, 3018), (683, 3027), (700, 3057), (715, 3075), (741, 3117), (794, 3189), (837, 3231), (934, 3348), (937, 3351), (942, 3357), (985, 3420), (1020, 3465), (1041, 3498), (1058, 3546),

Gene: Gustav_2 Start: 554, Stop: 2107, Start Num: 118

Candidate Starts for Gustav_2:

(Start: 118 @554 has 7 MA's), (147, 581), (199, 659), (222, 695), (290, 809), (299, 836), (348, 956), (359, 971), (401, 1022), (416, 1070), (430, 1133), (448, 1193), (462, 1229), (539, 1310), (546, 1325), (562, 1358), (572, 1370), (600, 1427), (664, 1514), (670, 1526), (688, 1568), (713, 1604), (715, 1607), (725, 1625), (790, 1736), (836, 1805), (837, 1808), (841, 1814), (869, 1862), (915, 1919), (934, 1943), (1048, 2099),

Gene: GuuelaD_4 Start: 1069, Stop: 2643, Start Num: 79

Candidate Starts for GuuelaD_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (Start: 92 @1093 has 1 MA's), (194, 1231), (281, 1351), (347, 1528), (355, 1534), (415, 1672), (417, 1678), (422, 1699), (455, 1798), (477, 1846), (516, 1900), (530, 1924), (555, 1969), (558, 1975), (577, 2005), (579, 2011), (595, 2038), (598, 2047), (653, 2104), (667, 2131), (670, 2137), (682, 2170), (711, 2215), (732, 2251), (768, 2296), (810, 2362), (866, 2437), (879, 2455), (884, 2464), (1008, 2611), (1028, 2635), (1029, 2638),

Gene: HH92_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for HH92_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: HUHilltop_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for HUHilltop_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Hadrien_5 Start: 1894, Stop: 3489, Start Num: 101

Candidate Starts for Hadrien_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Hafay_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Hafay_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963),

(558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Hail_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Hail_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Halena_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Halena_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Haley23_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Haley23_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Halloweekend_4 Start: 1574, Stop: 3295, Start Num: 95

Candidate Starts for Halloweekend_4:

(72, 1538), (Start: 95 @1574 has 13 MA's), (Start: 115 @1595 has 16 MA's), (199, 1718), (Start: 213 @1739 has 10 MA's), (242, 1787), (278, 1832), (283, 1835), (293, 1877), (299, 1895), (300, 1898), (302, 1901), (358, 2024), (401, 2078), (418, 2132), (431, 2192), (449, 2252), (457, 2273), (553, 2504), (584, 2570), (592, 2585), (678, 2756), (700, 2795), (707, 2804), (715, 2813), (741, 2855), (770, 2888), (794, 2927), (837, 2969), (913, 3059), (934, 3086), (937, 3089), (942, 3095), (956, 3116), (985, 3158), (1041, 3236), (1058, 3284),

Gene: Halo_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Halo_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: HamCheese_2 Start: 349, Stop: 1992, Start Num: 84

Candidate Starts for HamCheese_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (296, 658), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504),

(732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Hammy_7 Start: 1384, Stop: 2808, Start Num: 162

Candidate Starts for Hammy_7:

(Start: 153 @1372 has 11 MA's), (Start: 162 @1384 has 165 MA's), (Start: 211 @1471 has 3 MA's), (Start: 225 @1495 has 18 MA's), (279, 1579), (283, 1588), (295, 1636), (302, 1654), (315, 1672), (330, 1723), (361, 1771), (426, 1918), (428, 1927), (429, 1930), (439, 1960), (458, 2008), (548, 2122), (579, 2182), (593, 2212), (621, 2263), (640, 2284), (670, 2332), (691, 2374), (713, 2404), (766, 2476), (825, 2563), (969, 2740), (1025, 2797), (1029, 2803),

Gene: Hamood_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Hamood_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Hanako_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for Hanako_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Hannaconda_7 Start: 2388, Stop: 3920, Start Num: 167

Candidate Starts for Hannaconda_7:

(17, 2142), (25, 2193), (Start: 94 @2304 has 4 MA's), (131, 2346), (139, 2355), (Start: 167 @2388 has 21 MA's), (Start: 235 @2502 has 15 MA's), (268, 2565), (284, 2598), (285, 2601), (294, 2640), (296, 2646), (328, 2721), (343, 2757), (398, 2832), (400, 2835), (410, 2871), (420, 2904), (546, 3153), (579, 3216), (592, 3243), (680, 3402), (704, 3438), (725, 3468), (730, 3477), (766, 3531), (777, 3555), (969, 3789), (977, 3801),

Gene: HannahD_2 Start: 522, Stop: 2105, Start Num: 136

Candidate Starts for HannahD_2:

(105, 489), (114, 498), (Start: 136 @522 has 13 MA's), (296, 807), (315, 840), (330, 888), (362, 948), (380, 960), (416, 1050), (446, 1155), (511, 1299), (540, 1350), (596, 1446), (639, 1506), (667, 1554), (676, 1578), (732, 1665), (788, 1755), (810, 1785), (825, 1803), (875, 1872), (884, 1887), (895, 1911),

Gene: HannahPhantana_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for HannahPhantana_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (732, 2045), (768, 2084), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: HarperAnne_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for HarperAnne_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571,

1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: HeadMave_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for HeadMave_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: HeadNerd_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for HeadNerd_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (294, 741), (299, 756), (302, 762), (310, 780), (389, 942), (401, 963), (431, 1077), (449, 1137), (476, 1203), (495, 1236), (522, 1266), (529, 1281), (584, 1362), (630, 1440), (636, 1449), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (956, 1857),

Gene: Hedwig_2 Start: 586, Stop: 2196, Start Num: 136

Candidate Starts for Hedwig_2:

(Start: 136 @586 has 13 MA's), (254, 769), (272, 802), (315, 904), (330, 952), (380, 1024), (431, 1177), (446, 1219), (458, 1249), (493, 1312), (506, 1354), (511, 1363), (556, 1444), (557, 1447), (572, 1465), (588, 1495), (596, 1510), (616, 1543), (639, 1570), (676, 1648), (732, 1735), (751, 1759), (807, 1852), (810, 1855), (825, 1873), (884, 1957),

Gene: HedwigODU_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for HedwigODU_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Heftyboy_6 Start: 1347, Stop: 2774, Start Num: 168

Candidate Starts for Heftyboy_6:

(77, 1254), (Start: 168 @1347 has 24 MA's), (198, 1404), (Start: 211 @1425 has 3 MA's), (Start: 225 @1449 has 18 MA's), (279, 1533), (283, 1542), (285, 1548), (295, 1590), (302, 1608), (315, 1626), (330, 1677), (383, 1752), (415, 1830), (426, 1872), (428, 1881), (429, 1884), (458, 1962), (548, 2076), (574, 2124), (593, 2166), (604, 2190), (612, 2202), (630, 2229), (665, 2274), (670, 2286), (762, 2433), (782, 2472), (825, 2529), (849, 2553), (869, 2577), (893, 2601), (965, 2700), (969, 2706), (1025, 2763),

Gene: Hegedechwinu_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Hegedechwinu_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (274, 880), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (328, 1021), (336, 1042), (353, 1069), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101),

Gene: Heinz_2 Start: 511, Stop: 2103, Start Num: 112

Candidate Starts for Heinz_2:

(Start: 112 @511 has 46 MA's), (218, 646), (222, 652), (245, 694), (283, 733), (285, 739), (291, 769), (310, 817), (335, 877), (356, 919), (358, 922), (371, 946), (372, 949), (401, 976), (419, 1039), (437, 1111), (446, 1141), (448, 1147), (449, 1150), (450, 1153), (576, 1396), (584, 1417), (592, 1432), (594, 1435), (600, 1447), (650, 1507), (672, 1552), (678, 1570), (700, 1609), (773, 1702), (785, 1723), (921, 1927), (987, 2020), (1000, 2038), (1047, 2092),

Gene: Herb_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Herb_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (732, 1598), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: Hereford_6 Start: 1422, Stop: 3017, Start Num: 109

Candidate Starts for Hereford_6:

(Start: 109 @1422 has 5 MA's), (291, 1680), (299, 1704), (302, 1710), (431, 2001), (440, 2031), (457, 2082), (461, 2091), (527, 2193), (533, 2205), (594, 2328), (678, 2457), (818, 2685), (848, 2727), (1047, 3006),

Gene: Hernandez44_3 Start: 1176, Stop: 2636, Start Num: 107

Candidate Starts for Hernandez44_3:

(Start: 107 @1176 has 136 MA's), (Start: 113 @1182 has 2 MA's), (237, 1344), (242, 1353), (278, 1413), (303, 1482), (316, 1503), (331, 1554), (430, 1758), (511, 1893), (553, 1971), (565, 1986), (580, 2022), (599, 2064), (621, 2097), (634, 2115), (710, 2235), (711, 2238), (719, 2250), (770, 2325), (810, 2388), (816, 2397), (829, 2406), (831, 2409), (953, 2571), (959, 2580), (964, 2589), (989, 2628),

Gene: Hibiscus_2 Start: 511, Stop: 2103, Start Num: 112

Candidate Starts for Hibiscus_2:

(Start: 112 @511 has 46 MA's), (218, 646), (245, 694), (283, 733), (291, 769), (310, 817), (335, 877), (356, 919), (358, 922), (371, 946), (372, 949), (401, 976), (419, 1039), (437, 1111), (446, 1141), (448, 1147), (449, 1150), (576, 1399), (584, 1420), (592, 1435), (594, 1438), (600, 1450), (650, 1510), (672, 1555), (678, 1573), (683, 1582), (700, 1612), (773, 1705), (785, 1726), (792, 1735), (835, 1795), (871, 1855), (921, 1927), (945, 1957), (982, 2011), (987, 2020), (1000, 2038), (1047, 2092),

Gene: Hilltopfarm_9 Start: 4704, Stop: 6329, Start Num: 73

Candidate Starts for Hilltopfarm_9:

(22, 4623), (23, 4638), (51, 4680), (Start: 73 @4704 has 42 MA's), (Start: 79 @4710 has 143 MA's), (Start: 208 @4878 has 2 MA's), (215, 4890), (222, 4902), (299, 5046), (328, 5142), (330, 5151), (371, 5229), (374, 5235), (411, 5292), (416, 5307), (438, 5397), (448, 5430), (449, 5433), (517, 5505), (546, 5562), (568, 5610), (577, 5631), (582, 5643), (587, 5655), (600, 5679), (614, 5703), (618, 5709), (664, 5766), (672, 5784), (730, 5886), (761, 5928), (795, 5991), (800, 6000), (805, 6006), (898, 6120), (906, 6132), (924, 6150), (955, 6192), (983, 6234), (991, 6249),

Gene: Hitter_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Hitter_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (414, 891), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Holliday_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for Holliday_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: Homura_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Homura_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Hope_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Hope_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Horacetta_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Horacetta_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: HorseRider_2 Start: 351, Stop: 1808, Start Num: 96

Candidate Starts for HorseRider_2:

(Start: 96 @351 has 1 MA's), (Start: 104 @360 has 2 MA's), (Start: 110 @366 has 6 MA's), (305, 633), (330, 699), (429, 903), (446, 966), (595, 1191), (623, 1239), (667, 1287), (698, 1350), (705, 1359), (806, 1518), (857, 1569), (865, 1581), (915, 1644), (932, 1662), (994, 1755), (1003, 1764), (1032, 1797),

Gene: Hortense_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Hortense_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (458, 1008), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763, 1500), (782, 1536), (784, 1539), (810, 1575), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (956, 1785), (994, 1827),

Gene: Horus_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Horus_3:

(120, 664), (Start: 151 @673 has 89 MA's), (Start: 211 @775 has 3 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (231, 808), (251, 847), (256, 853), (276, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (328, 1024), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (429, 1249), (430, 1258), (439, 1279), (443, 1291), (453,

1318), (456, 1324), (459, 1330), (504, 1399), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (651, 1657), (667, 1681), (715, 1759), (732, 1786), (739, 1795), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (943, 2047), (969, 2089), (975, 2101), (984, 2113), (1042, 2182),

Gene: Hotshotbaby7_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Hotshotbaby7_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Howe_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Howe_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (458, 1008), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763, 1500), (782, 1536), (784, 1539), (810, 1575), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (956, 1785), (994, 1827),

Gene: Huckleberry_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Huckleberry_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (294, 741), (299, 756), (302, 762), (310, 780), (389, 942), (401, 963), (431, 1077), (449, 1137), (476, 1203), (495, 1236), (522, 1266), (529, 1281), (584, 1362), (630, 1440), (636, 1449), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (956, 1857),

Gene: Huff_9 Start: 3697, Stop: 5304, Start Num: 110

Candidate Starts for Huff_9:

(Start: 50 @3619 has 3 MA's), (Start: 110 @3697 has 6 MA's), (283, 3925), (293, 3967), (321, 4030), (328, 4051), (401, 4189), (418, 4243), (438, 4327), (439, 4330), (440, 4333), (449, 4363), (584, 4570), (657, 4693), (694, 4780), (705, 4795), (715, 4810), (761, 4873), (808, 4942), (836, 4984), (881, 5059), (882, 5062), (905, 5095), (956, 5161), (988, 5212), (1050, 5290), (1054, 5296),

Gene: Hulk_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Hulk_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (511, 1803), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (816, 2307), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Hunnie_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Hunnie_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: HunterDalle_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for HunterDalle_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (296, 750), (299, 759), (310, 783), (331, 837), (401, 966), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (636,

1452), (686, 1527), (688, 1530), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: Huntingdon_5 Start: 3080, Stop: 4645, Start Num: 79

Candidate Starts for Huntingdon_5:

(Start: 79 @3080 has 143 MA's), (Start: 213 @3254 has 10 MA's), (Start: 234 @3290 has 4 MA's), (275, 3344), (291, 3386), (299, 3410), (356, 3536), (411, 3650), (416, 3665), (418, 3671), (431, 3731), (449, 3791), (476, 3857), (495, 3890), (522, 3920), (529, 3935), (554, 3968), (570, 3983), (584, 4016), (636, 4103), (785, 4322), (799, 4343), (836, 4364), (877, 4433), (956, 4511), (982, 4550), (1003, 4580), (1015, 4592), (1045, 4631), (1050, 4640),

Gene: Hurricane_7 Start: 1494, Stop: 2918, Start Num: 162

Candidate Starts for Hurricane_7:

(Start: 108 @1455 has 52 MA's), (Start: 153 @1482 has 11 MA's), (Start: 162 @1494 has 165 MA's), (Start: 211 @1581 has 3 MA's), (Start: 225 @1605 has 18 MA's), (279, 1689), (283, 1698), (295, 1746), (302, 1764), (315, 1782), (330, 1833), (356, 1875), (361, 1881), (383, 1908), (415, 1986), (426, 2028), (428, 2037), (458, 2118), (466, 2136), (548, 2232), (574, 2280), (579, 2292), (593, 2322), (604, 2346), (612, 2358), (670, 2442), (691, 2484), (764, 2583), (766, 2586), (789, 2628), (799, 2643), (804, 2649), (823, 2670), (825, 2673), (969, 2850), (1029, 2913),

Gene: Hyperbowlee_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Hyperbowlee_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: IPhone7_14 Start: 4719, Stop: 6263, Start Num: 102

Candidate Starts for IPhone7_14:

(Start: 102 @4719 has 21 MA's), (Start: 145 @4767 has 1 MA's), (282, 4968), (330, 5106), (425, 5298), (530, 5508), (558, 5559), (598, 5631), (667, 5694), (676, 5718), (682, 5733), (720, 5793), (727, 5805), (764, 5865), (782, 5898), (804, 5931), (827, 5958), (865, 6006), (995, 6192), (1008, 6213),

Gene: Icarian_4 Start: 949, Stop: 2574, Start Num: 135

Candidate Starts for Icarian_4:

(Start: 135 @949 has 81 MA's), (242, 1105), (285, 1159), (299, 1213), (307, 1228), (335, 1297), (358, 1342), (401, 1396), (417, 1447), (418, 1450), (431, 1510), (436, 1528), (437, 1531), (445, 1558), (455, 1588), (536, 1750), (665, 1966), (705, 2041), (713, 2053), (926, 2368), (956, 2407),

Gene: Ichiang_4 Start: 1613, Stop: 3313, Start Num: 115

Candidate Starts for Ichiang_4:

(72, 1556), (Start: 95 @1592 has 13 MA's), (Start: 115 @1613 has 16 MA's), (180, 1688), (199, 1736), (Start: 213 @1757 has 10 MA's), (242, 1805), (278, 1850), (283, 1853), (293, 1895), (299, 1913), (300, 1916), (302, 1919), (358, 2042), (371, 2066), (401, 2096), (418, 2150), (431, 2210), (448, 2267), (449, 2270), (457, 2291), (553, 2522), (584, 2588), (592, 2603), (678, 2774), (707, 2822), (715, 2831), (741, 2873), (770, 2906), (794, 2945), (837, 2987), (913, 3077), (934, 3104), (937, 3107), (942, 3113), (956, 3134), (985, 3176), (1041, 3254), (1058, 3302),

Gene: Idaho_3 Start: 471, Stop: 2039, Start Num: 34

Candidate Starts for Idaho_3:

(Start: 34 @471 has 1 MA's), (134, 576), (Start: 213 @684 has 10 MA's), (215, 687), (294, 825), (326, 900), (327, 903), (329, 909), (330, 915), (336, 927), (340, 936), (356, 969), (415, 1071), (434, 1146),

(492, 1260), (517, 1290), (520, 1293), (535, 1317), (554, 1347), (560, 1359), (570, 1377), (579, 1398), (618, 1470), (656, 1503), (674, 1545), (679, 1560), (686, 1572), (715, 1617), (721, 1629), (730, 1644), (750, 1668), (780, 1719), (791, 1737), (827, 1779), (832, 1785), (844, 1794), (931, 1917), (961, 1953), (982, 1983),

Gene: IdentityCrisis_2 Start: 663, Stop: 2147, Start Num: 167

Candidate Starts for IdentityCrisis_2:

(87, 600), (Start: 167 @663 has 21 MA's), (Start: 211 @747 has 3 MA's), (295, 909), (315, 945), (330, 996), (335, 1005), (426, 1191), (430, 1212), (439, 1233), (443, 1245), (458, 1281), (462, 1290), (496, 1353), (574, 1491), (579, 1503), (667, 1644), (670, 1650), (713, 1719), (722, 1737), (744, 1767), (766, 1791), (782, 1821), (804, 1854), (825, 1878), (869, 1932), (893, 1956),

Gene: Idergollasper_30 Start: 13074, Stop: 14588, Start Num: 73

Candidate Starts for Idergollasper_30:

(Start: 73 @13074 has 42 MA's), (Start: 76 @13077 has 13 MA's), (Start: 211 @13257 has 3 MA's), (267, 13350), (294, 13425), (310, 13458), (321, 13485), (330, 13515), (415, 13668), (417, 13674), (426, 13710), (428, 13719), (458, 13800), (462, 13809), (464, 13812), (504, 13851), (544, 13908), (564, 13944), (566, 13947), (666, 14103), (670, 14112), (707, 14181), (713, 14190), (717, 14196), (739, 14229), (766, 14265), (825, 14352), (847, 14373), (903, 14436), (904, 14439), (907, 14442), (919, 14460), (938, 14481), (969, 14523), (999, 14559), (1019, 14571),

Gene: Illumine_8 Start: 1604, Stop: 3025, Start Num: 162

Candidate Starts for Illumine_8:

(Start: 85 @1532 has 1 MA's), (Start: 153 @1592 has 11 MA's), (Start: 162 @1604 has 165 MA's), (Start: 225 @1715 has 18 MA's), (229, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (330, 1943), (356, 1985), (361, 1991), (383, 2018), (386, 2021), (415, 2096), (426, 2138), (428, 2147), (458, 2228), (548, 2342), (574, 2390), (579, 2402), (593, 2432), (604, 2456), (612, 2468), (621, 2483), (670, 2552), (687, 2591), (766, 2696), (784, 2729), (825, 2783), (969, 2960), (1025, 3014),

Gene: Imara_29 Start: 13323, Stop: 14837, Start Num: 73

Candidate Starts for Imara_29:

(Start: 73 @13323 has 42 MA's), (Start: 76 @13326 has 13 MA's), (Start: 211 @13506 has 3 MA's), (267, 13599), (294, 13674), (310, 13707), (321, 13734), (330, 13764), (415, 13917), (417, 13923), (426, 13959), (428, 13968), (458, 14049), (462, 14058), (464, 14061), (504, 14100), (544, 14157), (564, 14193), (566, 14196), (666, 14352), (670, 14361), (707, 14430), (713, 14439), (717, 14445), (739, 14478), (766, 14514), (825, 14601), (847, 14622), (903, 14685), (904, 14688), (907, 14691), (919, 14709), (938, 14730), (969, 14772), (999, 14808), (1019, 14820),

Gene: Immaculata_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Immaculata_5:

(Start: 79 @3127 has 143 MA's), (Start: 234 @3337 has 4 MA's), (275, 3391), (299, 3457), (310, 3481), (411, 3697), (416, 3712), (418, 3718), (431, 3778), (449, 3838), (495, 3937), (522, 3967), (529, 3982), (584, 4063), (630, 4141), (636, 4150), (669, 4186), (686, 4225), (707, 4258), (715, 4267), (730, 4294), (773, 4348), (799, 4390), (836, 4411), (852, 4435), (865, 4456), (877, 4480), (956, 4558), (1045, 4678),

Gene: Impisi_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Impisi_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (Start: 235 @635 has 15 MA's), (238, 638), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: IndyLu_3 Start: 768, Stop: 2396, Start Num: 135

Candidate Starts for IndyLu_3:

(Start: 135 @768 has 81 MA's), (242, 924), (299, 1032), (321, 1077), (335, 1116), (356, 1158), (401, 1215), (417, 1266), (418, 1269), (431, 1329), (436, 1347), (445, 1377), (455, 1407), (715, 1878), (785, 1980), (956, 2229), (987, 2277), (1010, 2301), (1045, 2346),

Gene: Inky_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Inky_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Inspire2_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Inspire2_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Invectra_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Invectra_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (398, 1318), (400, 1321), (410, 1357), (426, 1414), (428, 1423), (431, 1438), (458, 1510), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: InvictusManeo_6 Start: 1331, Stop: 2758, Start Num: 168

Candidate Starts for InvictusManeo_6:

(Start: 168 @1331 has 24 MA's), (198, 1388), (Start: 211 @1409 has 3 MA's), (Start: 225 @1433 has 18 MA's), (279, 1517), (283, 1526), (285, 1532), (295, 1574), (302, 1592), (315, 1610), (330, 1661), (355, 1700), (383, 1736), (415, 1814), (426, 1856), (428, 1865), (429, 1868), (458, 1946), (548, 2060), (574, 2108), (579, 2120), (593, 2150), (612, 2186), (630, 2213), (670, 2270), (713, 2354), (727, 2378), (782, 2456), (825, 2513), (849, 2537), (869, 2561), (969, 2690), (1025, 2747),

Gene: IsHungry_6 Start: 1935, Stop: 3632, Start Num: 115

Candidate Starts for IsHungry_6:

(31, 1818), (57, 1854), (70, 1872), (Start: 89 @1902 has 1 MA's), (Start: 115 @1935 has 16 MA's), (199, 2055), (Start: 213 @2076 has 10 MA's), (222, 2091), (242, 2124), (275, 2166), (278, 2169), (293, 2214), (299, 2232), (300, 2235), (331, 2310), (358, 2361), (401, 2415), (418, 2469), (431, 2529), (457, 2610), (488, 2685), (584, 2907), (592, 2922), (606, 2949), (632, 2988), (636, 2994), (639, 3000), (668, 3060), (678, 3093), (715, 3150), (741, 3192), (770, 3225), (794, 3264), (837, 3306), (934, 3423), (942, 3432), (976, 3483), (985, 3495), (1041, 3573), (1058, 3621),

Gene: Itos_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Itos_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431),

(879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Izel_15 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for Izel_15:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: IzzyPants24_3 Start: 1113, Stop: 2573, Start Num: 107

Candidate Starts for IzzyPants24_3:

(Start: 107 @1113 has 136 MA's), (Start: 113 @1119 has 2 MA's), (237, 1281), (242, 1290), (278, 1350), (303, 1419), (316, 1440), (331, 1491), (430, 1695), (511, 1830), (553, 1908), (565, 1923), (571, 1941), (580, 1959), (599, 2001), (621, 2034), (634, 2052), (710, 2172), (711, 2175), (719, 2187), (725, 2199), (732, 2211), (770, 2262), (804, 2319), (810, 2325), (816, 2334), (829, 2343), (831, 2346), (953, 2508), (959, 2517), (964, 2526), (989, 2565),

Gene: JAWS_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for JAWS_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: JCole_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for JCole_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (283, 582), (292, 621), (295, 630), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: JF1_9 Start: 2465, Stop: 3910, Start Num: 162

Candidate Starts for JF1_9:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: JRok_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for JRok_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Jabb_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for Jabb_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Jabbawokkie_4 Start: 1187, Stop: 2707, Start Num: 151

Candidate Starts for Jabbawokkie_4:

(Start: 118 @1175 has 7 MA's), (Start: 151 @1187 has 89 MA's), (Start: 225 @1313 has 18 MA's),
(231, 1322), (256, 1367), (274, 1397), (276, 1400), (281, 1406), (292, 1451), (300, 1475), (315, 1496),
(328, 1538), (336, 1559), (353, 1586), (363, 1604), (365, 1607), (383, 1631), (400, 1658), (417, 1715),
(426, 1751), (428, 1760), (430, 1772), (432, 1778), (439, 1793), (443, 1805), (456, 1838), (459, 1844),
(478, 1880), (491, 1889), (505, 1919), (524, 1949), (526, 1952), (576, 2048), (579, 2057), (591, 2084),
(645, 2168), (662, 2183), (727, 2294), (732, 2303), (739, 2312), (782, 2375), (844, 2450), (851, 2462),
(869, 2480), (903, 2516), (938, 2558), (943, 2564), (969, 2606), (975, 2618), (984, 2630), (1040, 2696),

Gene: Jahseh_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Jahseh_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278,
1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599,
1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829,
2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: JaimeB_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for JaimeB_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278,
1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599,
1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829,
2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: JalFarm20_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for JalFarm20_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229,
803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315,
980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422,
1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505,
1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732,
1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938,
2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Jalammah_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Jalammah_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573),
(282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900),
(446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398),
(704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530),
(784, 1560), (799, 1584), (812, 1599), (877, 1689), (884, 1701), (908, 1743), (917, 1758), (936, 1779),
(948, 1794), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Jalleen_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Jalleen_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (336, 726),
(398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562,
1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766,
1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956,
1785), (1033, 1872),

Gene: Jalloh_2 Start: 350, Stop: 1807, Start Num: 96

Candidate Starts for Jalloh_2:

(Start: 96 @350 has 1 MA's), (Start: 110 @365 has 6 MA's), (305, 632), (330, 698), (415, 848), (417, 854), (429, 902), (446, 965), (595, 1190), (623, 1238), (698, 1349), (705, 1358), (769, 1460), (806, 1517), (865, 1580), (915, 1643), (932, 1661), (994, 1754), (1003, 1763), (1032, 1796),

Gene: Jamie19_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Jamie19_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Jamun_3 Start: 1027, Stop: 2607, Start Num: 150

Candidate Starts for Jamun_3:

(Start: 84 @961 has 12 MA's), (Start: 150 @1027 has 12 MA's), (Start: 213 @1123 has 10 MA's), (218, 1132), (285, 1225), (294, 1264), (299, 1279), (310, 1303), (431, 1576), (435, 1588), (436, 1594), (449, 1636), (457, 1657), (482, 1717), (493, 1747), (498, 1756), (536, 1819), (664, 2035), (669, 2047), (686, 2086), (705, 2113), (715, 2128), (732, 2158), (768, 2197), (772, 2206), (775, 2215), (799, 2251), (840, 2305), (985, 2515), (1017, 2557), (1047, 2596),

Gene: Jane_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Jane_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: JanetJ_3 Start: 1011, Stop: 2603, Start Num: 109

Candidate Starts for JanetJ_3:

(Start: 109 @1011 has 5 MA's), (Start: 158 @1053 has 9 MA's), (291, 1269), (299, 1293), (302, 1299), (416, 1524), (431, 1590), (449, 1650), (457, 1671), (461, 1680), (527, 1782), (533, 1794), (594, 1917), (659, 2001), (770, 2202), (848, 2316), (1047, 2592),

Gene: JangDynasty_30 Start: 13169, Stop: 14683, Start Num: 73

Candidate Starts for JangDynasty_30:

(Start: 73 @13169 has 42 MA's), (Start: 76 @13172 has 13 MA's), (Start: 211 @13352 has 3 MA's), (267, 13445), (294, 13520), (310, 13553), (321, 13580), (330, 13610), (415, 13763), (417, 13769), (426, 13805), (428, 13814), (458, 13895), (462, 13904), (464, 13907), (504, 13946), (544, 14003), (564, 14039), (566, 14042), (666, 14198), (670, 14207), (707, 14276), (713, 14285), (717, 14291), (739, 14324), (766, 14360), (825, 14447), (847, 14468), (903, 14531), (904, 14534), (907, 14537), (919, 14555), (938, 14576), (969, 14618), (999, 14654), (1019, 14666),

Gene: Jankie_2 Start: 463, Stop: 1983, Start Num: 119

Candidate Starts for Jankie_2:

(Start: 119 @463 has 2 MA's), (200, 589), (219, 619), (258, 655), (327, 826), (329, 832), (404, 949), (426, 1033), (430, 1054), (440, 1087), (447, 1111), (486, 1183), (615, 1411), (667, 1483), (678, 1513), (766, 1642), (799, 1699), (812, 1714), (893, 1801), (933, 1855), (1021, 1972),

Gene: Jannah_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Jannah_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599,

1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Jarvi_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Jarvi_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: JasperJr_2 Start: 361, Stop: 1929, Start Num: 133

Candidate Starts for JasperJr_2:

(53, 256), (Start: 133 @361 has 34 MA's), (190, 445), (209, 478), (238, 520), (246, 538), (257, 553), (270, 574), (282, 595), (291, 634), (315, 694), (327, 730), (330, 742), (355, 784), (360, 796), (383, 823), (416, 901), (446, 1006), (452, 1021), (458, 1036), (511, 1114), (540, 1165), (639, 1321), (656, 1342), (665, 1360), (667, 1366), (704, 1432), (711, 1444), (741, 1489), (743, 1492), (749, 1498), (762, 1519), (766, 1528), (768, 1531), (812, 1600), (884, 1702), (908, 1744), (917, 1759), (948, 1795), (1021, 1891), (1030, 1903), (1035, 1912),

Gene: Jayhawk_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for Jayhawk_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: JeanClaude_2 Start: 371, Stop: 1759, Start Num: 187

Candidate Starts for JeanClaude_2:

(37, 170), (40, 173), (Start: 50 @185 has 3 MA's), (100, 257), (Start: 153 @311 has 11 MA's), (Start: 187 @371 has 6 MA's), (198, 392), (Start: 211 @413 has 3 MA's), (232, 446), (251, 482), (281, 527), (282, 530), (290, 566), (295, 581), (310, 611), (321, 638), (361, 716), (428, 872), (429, 875), (469, 980), (570, 1106), (574, 1115), (665, 1256), (667, 1262), (670, 1268), (703, 1328), (707, 1334), (732, 1373), (756, 1400), (762, 1409), (810, 1487), (825, 1505), (879, 1562), (972, 1682), (986, 1703), (1025, 1748),

Gene: Jeanie_2 Start: 520, Stop: 1905, Start Num: 164

Candidate Starts for Jeanie_2:

(Start: 164 @520 has 29 MA's), (Start: 208 @586 has 2 MA's), (Start: 224 @613 has 1 MA's), (294, 736), (295, 739), (302, 757), (328, 820), (330, 829), (331, 832), (370, 901), (400, 934), (409, 958), (417, 985), (429, 1033), (461, 1132), (508, 1165), (517, 1177), (525, 1189), (616, 1345), (626, 1360), (668, 1408), (688, 1453), (694, 1462), (707, 1486), (730, 1525), (980, 1825), (1032, 1891),

Gene: Jebeks_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Jebeks_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (625, 1478), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Jeckyll_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Jeckyll_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's),
(Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330,
1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548,
2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766,
2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Jeilious_2 Start: 454, Stop: 1890, Start Num: 170

Candidate Starts for Jeilious_2:

(Start: 74 @358 has 22 MA's), (Start: 170 @454 has 43 MA's), (Start: 172 @457 has 3 MA's), (Start:
189 @493 has 1 MA's), (Start: 211 @532 has 3 MA's), (295, 694), (330, 781), (335, 790), (343, 808),
(355, 820), (417, 940), (426, 976), (430, 997), (439, 1018), (458, 1066), (462, 1075), (574, 1228), (602,
1288), (614, 1306), (655, 1357), (670, 1384), (676, 1399), (677, 1402), (732, 1483), (763, 1528), (810,
1603), (825, 1621), (846, 1642), (889, 1687), (900, 1705), (903, 1708), (969, 1801), (1028, 1882),

Gene: Jella_3 Start: 1098, Stop: 2558, Start Num: 107

Candidate Starts for Jella_3:

(Start: 107 @1098 has 136 MA's), (Start: 113 @1104 has 2 MA's), (237, 1266), (242, 1275), (278,
1335), (303, 1404), (316, 1425), (331, 1476), (430, 1680), (553, 1893), (565, 1908), (580, 1944), (599,
1986), (621, 2019), (634, 2037), (710, 2157), (711, 2160), (719, 2172), (770, 2247), (810, 2310), (829,
2328), (831, 2331), (953, 2493), (959, 2502), (964, 2511), (989, 2550),

Gene: Jerky_3 Start: 1155, Stop: 2615, Start Num: 107

Candidate Starts for Jerky_3:

(Start: 107 @1155 has 136 MA's), (Start: 113 @1161 has 2 MA's), (237, 1323), (242, 1332), (278,
1392), (303, 1461), (316, 1482), (331, 1533), (430, 1737), (511, 1872), (553, 1950), (565, 1965), (580,
2001), (599, 2043), (621, 2076), (634, 2094), (710, 2214), (711, 2217), (719, 2229), (770, 2304), (810,
2367), (829, 2385), (831, 2388), (953, 2550), (959, 2559), (964, 2568),

Gene: Jerole_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Jerole_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115),
(293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562),
(490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096),
(818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408),
(1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Jessica_5 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Jessica_5:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4
MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409,
1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618,
1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753,
1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Jflix2_8 Start: 5554, Stop: 7107, Start Num: 156

Candidate Starts for Jflix2_8:

(Start: 152 @5548 has 2 MA's), (Start: 156 @5554 has 1 MA's), (284, 5788), (358, 5965), (376, 6001),
(377, 6004), (420, 6115), (425, 6133), (429, 6148), (438, 6175), (579, 6427), (592, 6448), (622, 6499),
(735, 6691), (863, 6874), (900, 6937), (910, 6952), (930, 6976), (999, 7054),

Gene: JoBros_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for JoBros_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Joann_5 Start: 3072, Stop: 4637, Start Num: 79

Candidate Starts for Joann_5:

(Start: 79 @3072 has 143 MA's), (Start: 213 @3246 has 10 MA's), (Start: 234 @3282 has 4 MA's), (275, 3336), (284, 3345), (291, 3378), (299, 3402), (310, 3426), (356, 3528), (411, 3642), (416, 3657), (418, 3663), (431, 3723), (449, 3783), (495, 3882), (522, 3912), (529, 3927), (570, 3975), (636, 4095), (686, 4170), (707, 4203), (730, 4239), (785, 4314), (799, 4335), (836, 4356), (877, 4425), (956, 4503), (982, 4542), (1003, 4572), (1015, 4584), (1045, 4623), (1050, 4632),

Gene: Job42_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Job42_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (251, 844), (256, 850), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (328, 1021), (353, 1069), (357, 1078), (363, 1087), (365, 1090), (400, 1141), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (796, 1879), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Jobypre_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Jobypre_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: JoeDirt_4 Start: 1059, Stop: 2636, Start Num: 82

Candidate Starts for JoeDirt_4:

(Start: 79 @1053 has 143 MA's), (Start: 82 @1059 has 6 MA's), (203, 1230), (267, 1317), (281, 1335), (283, 1341), (291, 1377), (354, 1515), (355, 1518), (398, 1593), (415, 1647), (416, 1650), (417, 1653), (477, 1821), (516, 1875), (522, 1884), (530, 1899), (540, 1920), (563, 1959), (577, 1980), (579, 1986), (595, 2013), (624, 2055), (653, 2079), (664, 2097), (667, 2106), (670, 2112), (682, 2145), (704, 2178), (727, 2217), (730, 2223), (732, 2226), (768, 2271), (810, 2337), (854, 2388), (863, 2403), (866, 2412), (877, 2427), (879, 2430), (969, 2532), (991, 2559), (1028, 2610), (1029, 2613),

Gene: Johnathan_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for Johnathan_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (321, 998), (327, 1016), (335, 1037), (344, 1061), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (887, 2054), (956, 2150), (987, 2198), (1058, 2306),

Gene: Jojo24_2 Start: 521, Stop: 2098, Start Num: 112

Candidate Starts for Jojo24_2:

(Start: 112 @521 has 46 MA's), (245, 704), (283, 743), (285, 749), (291, 779), (335, 887), (371, 956), (401, 986), (437, 1121), (446, 1151), (448, 1157), (449, 1160), (584, 1427), (592, 1442), (594, 1445), (600, 1457), (650, 1517), (672, 1562), (678, 1580), (683, 1589), (700, 1619), (773, 1712), (785, 1733), (792, 1742), (835, 1802), (852, 1826), (921, 1922), (987, 2015), (1000, 2033), (1047, 2087),

Gene: Jolene_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Jolene_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Jolie2_2 Start: 376, Stop: 1950, Start Num: 74

Candidate Starts for Jolie2_2:

(Start: 74 @376 has 22 MA's), (198, 544), (315, 763), (330, 814), (335, 823), (348, 853), (364, 865), (400, 916), (417, 973), (426, 1009), (430, 1030), (440, 1054), (458, 1099), (462, 1108), (574, 1261), (614, 1339), (643, 1384), (670, 1435), (732, 1534), (739, 1543), (782, 1615), (789, 1627), (799, 1642), (804, 1648), (810, 1654), (823, 1669), (825, 1672), (846, 1693), (889, 1750), (893, 1756), (900, 1768), (903, 1771), (965, 1858), (1025, 1939), (1029, 1945),

Gene: Jonghyun_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Jonghyun_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: JooneeDee_3 Start: 1104, Stop: 2564, Start Num: 107

Candidate Starts for JooneeDee_3:

(Start: 107 @1104 has 136 MA's), (Start: 113 @1110 has 2 MA's), (237, 1272), (242, 1281), (278, 1341), (303, 1410), (316, 1431), (331, 1482), (430, 1686), (511, 1821), (553, 1899), (565, 1914), (571, 1932), (580, 1950), (599, 1992), (621, 2025), (634, 2043), (710, 2163), (711, 2166), (719, 2178), (725, 2190), (732, 2202), (770, 2253), (804, 2310), (810, 2316), (816, 2325), (829, 2334), (831, 2337), (953, 2499), (959, 2508), (964, 2517), (989, 2556),

Gene: JorRay_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for JorRay_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Josuke_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Josuke_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Journey_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Journey_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524),

(682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Jovita_3 Start: 802, Stop: 2430, Start Num: 135

Candidate Starts for Jovita_3:

(Start: 135 @802 has 81 MA's), (242, 958), (299, 1066), (335, 1150), (344, 1174), (356, 1192), (401, 1249), (417, 1300), (418, 1303), (431, 1363), (436, 1381), (445, 1411), (455, 1441), (705, 1897), (715, 1912), (956, 2263), (1058, 2419),

Gene: Joy99_8 Start: 1563, Stop: 2987, Start Num: 162

Candidate Starts for Joy99_8:

(Start: 85 @1491 has 1 MA's), (Start: 153 @1551 has 11 MA's), (Start: 162 @1563 has 165 MA's), (Start: 225 @1674 has 18 MA's), (229, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (330, 1902), (356, 1944), (361, 1950), (383, 1977), (386, 1980), (426, 2097), (428, 2106), (458, 2187), (548, 2301), (574, 2349), (579, 2361), (593, 2391), (604, 2415), (612, 2427), (621, 2442), (667, 2505), (670, 2511), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: JuJu_2 Start: 352, Stop: 1959, Start Num: 124

Candidate Starts for JuJu_2:

(Start: 124 @352 has 1 MA's), (127, 355), (Start: 133 @361 has 34 MA's), (209, 475), (238, 517), (246, 535), (257, 550), (270, 571), (291, 631), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (431, 961), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (735, 1477), (762, 1516), (764, 1522), (768, 1528), (784, 1558), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (1020, 1888), (1049, 1942),

Gene: Jubie_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Jubie_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: Juice456_3 Start: 797, Stop: 2158, Start Num: 225

Candidate Starts for Juice456_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (274, 881), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (328, 1022), (336, 1043), (353, 1070), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102),

Gene: Julie_6 Start: 2172, Stop: 3869, Start Num: 115

Candidate Starts for Julie_6:

(Start: 89 @2139 has 1 MA's), (Start: 115 @2172 has 16 MA's), (199, 2292), (Start: 213 @2313 has 10 MA's), (222, 2328), (242, 2361), (275, 2403), (278, 2406), (293, 2451), (299, 2469), (300, 2472), (331, 2547), (358, 2598), (401, 2652), (431, 2766), (448, 2823), (449, 2826), (457, 2847), (488, 2922), (584, 3144), (592, 3159), (636, 3231), (639, 3237), (668, 3297), (678, 3330), (700, 3369), (715, 3387), (741, 3429), (770, 3462), (794, 3501), (837, 3543), (865, 3585), (934, 3660), (942, 3669), (985, 3732), (1058, 3858),

Gene: Juliette_9 Start: 2575, Stop: 3915, Start Num: 225

Candidate Starts for Juliette_9:

(Start: 162 @2470 has 165 MA's), (Start: 225 @2575 has 18 MA's), (279, 2659), (283, 2668), (295, 2716), (315, 2758), (330, 2809), (339, 2827), (361, 2857), (383, 2884), (415, 2962), (426, 3004), (428, 3013), (429, 3016), (458, 3094), (462, 3103), (503, 3142), (548, 3208), (574, 3256), (593, 3298), (604, 3322), (670, 3415), (689, 3457), (713, 3502), (764, 3571), (789, 3616), (799, 3631), (804, 3637), (825, 3661), (969, 3838), (1025, 3904), (1029, 3910),

Gene: Jumboset_5 Start: 3286, Stop: 4641, Start Num: 234

Candidate Starts for Jumboset_5:

(Start: 79 @3076 has 143 MA's), (Start: 234 @3286 has 4 MA's), (275, 3340), (299, 3406), (310, 3430), (411, 3646), (416, 3661), (418, 3667), (431, 3727), (449, 3787), (495, 3886), (522, 3916), (529, 3931), (584, 4012), (630, 4090), (636, 4099), (669, 4135), (686, 4174), (707, 4207), (715, 4216), (730, 4243), (773, 4297), (799, 4339), (852, 4384), (865, 4405), (877, 4429), (956, 4507), (1045, 4627),

Gene: Jung_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Jung_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Juniormint_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Juniormint_2:

(Start: 56 @413 has 50 MA's), (141, 524), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Juno112_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for Juno112_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (498, 1141), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (814, 1654), (818, 1660), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: JustASigh_2 Start: 553, Stop: 2340, Start Num: 39

Candidate Starts for JustASigh_2:

(Start: 39 @553 has 1 MA's), (244, 850), (262, 883), (291, 964), (327, 1048), (330, 1060), (379, 1147), (417, 1237), (447, 1342), (514, 1495), (527, 1513), (561, 1582), (632, 1699), (664, 1741), (667, 1750), (704, 1816), (721, 1846), (777, 1936), (784, 1945), (788, 1951), (789, 1954), (804, 1975), (884, 2083), (890, 2098), (908, 2125), (946, 2170), (956, 2188), (981, 2224), (995, 2230), (1014, 2260),

Gene: KHumphrey_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for KHumphrey_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (814, 1654), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: KNG13_4 Start: 607, Stop: 2163, Start Num: 49

Candidate Starts for KNG13_4:

(Start: 49 @607 has 4 MA's), (61, 619), (Start: 95 @658 has 13 MA's), (134, 700), (137, 703), (161, 730), (Start: 213 @811 has 10 MA's), (218, 820), (Start: 234 @847 has 4 MA's), (277, 901), (283, 907), (326, 1027), (327, 1030), (329, 1036), (330, 1042), (331, 1045), (340, 1063), (434, 1273), (492, 1387), (493, 1390), (517, 1417), (520, 1420), (535, 1444), (538, 1453), (570, 1504), (579, 1525), (618, 1597), (635, 1621), (674, 1672), (679, 1687), (686, 1699), (715, 1744), (721, 1756), (860, 1948), (863, 1954), (976, 2101), (982, 2110), (987, 2119),

Gene: Kahlid_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Kahlid_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Kaijohn_3 Start: 1080, Stop: 2540, Start Num: 107

Candidate Starts for Kaijohn_3:

(Start: 107 @1080 has 136 MA's), (Start: 113 @1086 has 2 MA's), (237, 1248), (242, 1257), (278, 1317), (303, 1386), (316, 1407), (331, 1458), (430, 1662), (511, 1797), (553, 1875), (565, 1890), (580, 1926), (599, 1968), (621, 2001), (634, 2019), (661, 2043), (710, 2139), (711, 2142), (719, 2154), (770, 2229), (810, 2292), (829, 2310), (831, 2313), (953, 2475), (959, 2484), (964, 2493), (989, 2532),

Gene: Kalizoi_5 Start: 3286, Stop: 4641, Start Num: 234

Candidate Starts for Kalizoi_5:

(Start: 79 @3076 has 143 MA's), (Start: 234 @3286 has 4 MA's), (275, 3340), (296, 3397), (299, 3406), (411, 3646), (416, 3661), (418, 3667), (431, 3727), (449, 3787), (495, 3886), (522, 3916), (529, 3931), (584, 4012), (630, 4090), (636, 4099), (669, 4135), (686, 4174), (707, 4207), (715, 4216), (730, 4243), (773, 4297), (799, 4339), (852, 4384), (865, 4405), (877, 4429), (956, 4507), (1045, 4627),

Gene: Kamaru_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for Kamaru_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: Kamdara_3 Start: 943, Stop: 2562, Start Num: 135

Candidate Starts for Kamdara_3:

(Start: 123 @937 has 2 MA's), (Start: 135 @943 has 81 MA's), (242, 1099), (293, 1189), (299, 1207), (307, 1222), (335, 1291), (344, 1315), (356, 1333), (401, 1390), (417, 1441), (418, 1444), (431, 1504), (437, 1525), (445, 1552), (455, 1582), (632, 1921), (713, 2044), (926, 2359), (956, 2398), (1045, 2515),

Gene: KappaFarmDelta_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for KappaFarmDelta_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (282, 594), (291, 633), (299, 657), (315, 693), (327, 729), (330, 741), (355, 783), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (460, 1038), (511, 1113), (540, 1164), (639, 1320), (656, 1341), (665, 1359), (667, 1365), (704, 1431), (711, 1443), (735, 1479), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (812, 1599), (862, 1659), (884, 1701), (908, 1743), (917, 1758), (948, 1794), (1021, 1890),

(1030, 1902), (1035, 1911),

Gene: Kareem_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Kareem_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Kari_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Kari_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Kasen3_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Kasen3_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: KashFlow_4 Start: 1954, Stop: 3486, Start Num: 167

Candidate Starts for KashFlow_4:

(Start: 94 @1870 has 4 MA's), (131, 1912), (139, 1921), (Start: 167 @1954 has 21 MA's), (Start: 235 @2068 has 15 MA's), (268, 2131), (284, 2164), (285, 2167), (296, 2212), (328, 2287), (330, 2296), (398, 2398), (400, 2401), (420, 2470), (546, 2719), (579, 2782), (592, 2809), (680, 2968), (704, 3004), (720, 3025), (725, 3034), (730, 3043), (766, 3097), (777, 3121), (969, 3355), (977, 3367),

Gene: Kate33_3 Start: 768, Stop: 2396, Start Num: 135

Candidate Starts for Kate33_3:

(Start: 135 @768 has 81 MA's), (242, 924), (299, 1032), (321, 1077), (335, 1116), (356, 1158), (401, 1215), (417, 1266), (418, 1269), (431, 1329), (436, 1347), (445, 1377), (455, 1407), (715, 1878), (785, 1980), (956, 2229), (987, 2277), (1010, 2301), (1045, 2346),

Gene: Katzastrophic_3 Start: 938, Stop: 2503, Start Num: 135

Candidate Starts for Katzastrophic_3:

(Start: 135 @938 has 81 MA's), (242, 1094), (299, 1202), (331, 1280), (336, 1289), (347, 1316), (401, 1385), (417, 1436), (431, 1499), (455, 1577), (592, 1850), (678, 1988), (769, 2117), (770, 2120), (994, 2420), (1052, 2495),

Gene: KayPaulus_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for KayPaulus_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: Keelan_32 Start: 9783, Stop: 11189, Start Num: 182

Candidate Starts for Keelan_32:

(146, 9726), (Start: 162 @9747 has 165 MA's), (Start: 182 @9783 has 6 MA's), (185, 9795), (290, 9969), (293, 9978), (308, 10005), (329, 10062), (351, 10116), (416, 10242), (418, 10248), (422, 10266), (428, 10290), (511, 10464), (561, 10521), (579, 10557), (631, 10635), (670, 10698), (713, 10761), (738, 10800), (798, 10893), (841, 10938), (853, 10956), (864, 10971),

Gene: Keiki_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Keiki_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (638, 1314), (664, 1356), (679, 1398), (720, 1467), (730, 1485), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (817, 1602), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (974, 1806), (991, 1827), (1023, 1875), (1028, 1881),

Gene: Kels_2 Start: 349, Stop: 1851, Start Num: 101

Candidate Starts for Kels_2:

(Start: 101 @349 has 5 MA's), (122, 373), (Start: 224 @508 has 1 MA's), (231, 520), (Start: 234 @526 has 4 MA's), (241, 535), (285, 598), (291, 628), (294, 637), (300, 655), (344, 754), (349, 766), (371, 799), (417, 880), (429, 928), (452, 1009), (553, 1144), (590, 1210), (596, 1222), (614, 1255), (630, 1279), (715, 1411), (730, 1438), (795, 1531), (865, 1615), (868, 1624), (947, 1708), (956, 1723), (994, 1783), (1024, 1813),

Gene: KendraB23_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for KendraB23_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (248, 1117), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (436, 1525), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Kenna_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Kenna_3:

(120, 664), (Start: 151 @673 has 89 MA's), (Start: 211 @775 has 3 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (231, 808), (251, 847), (256, 853), (276, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (328, 1024), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (429, 1249), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (456, 1324), (459, 1330), (504, 1399), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (651, 1657), (667, 1681), (715, 1759), (732, 1786), (739, 1795), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (943, 2047), (969, 2089), (975, 2101), (984, 2113), (1042, 2182),

Gene: Kenzers_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for Kenzers_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: Kepler_3 Start: 848, Stop: 2329, Start Num: 213

Candidate Starts for Kepler_3:

(Start: 84 @683 has 12 MA's), (Start: 213 @848 has 10 MA's), (237, 887), (275, 938), (285, 950), (293, 986), (299, 1004), (401, 1187), (411, 1220), (431, 1301), (435, 1313), (449, 1361), (457, 1382), (464,

1397), (490, 1454), (669, 1769), (705, 1835), (713, 1847), (732, 1880), (768, 1919), (773, 1931), (785, 1952), (818, 1997), (840, 2027), (866, 2072), (895, 2114), (913, 2141), (915, 2144), (985, 2237), (987, 2243), (1003, 2264), (1015, 2276), (1045, 2315), (1047, 2318),

Gene: Keshu_7 Start: 1473, Stop: 2897, Start Num: 162

Candidate Starts for Keshu_7:

(Start: 108 @1434 has 52 MA's), (Start: 153 @1461 has 11 MA's), (Start: 162 @1473 has 165 MA's), (Start: 211 @1560 has 3 MA's), (Start: 225 @1584 has 18 MA's), (279, 1668), (283, 1677), (295, 1725), (302, 1743), (315, 1761), (330, 1812), (356, 1854), (361, 1860), (383, 1887), (415, 1965), (426, 2007), (428, 2016), (458, 2097), (466, 2115), (548, 2211), (574, 2259), (579, 2271), (593, 2301), (604, 2325), (612, 2337), (670, 2421), (691, 2463), (764, 2562), (766, 2565), (789, 2607), (799, 2622), (804, 2628), (823, 2649), (825, 2652), (969, 2829), (1029, 2892),

Gene: Kevanna_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Kevanna_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: Kevin1_2 Start: 495, Stop: 2030, Start Num: 160

Candidate Starts for Kevin1_2:

(Start: 160 @495 has 25 MA's), (Start: 164 @498 has 29 MA's), (Start: 175 @513 has 1 MA's), (200, 570), (212, 588), (219, 600), (273, 672), (290, 720), (293, 729), (321, 792), (354, 864), (377, 912), (416, 1011), (422, 1035), (429, 1062), (455, 1134), (462, 1149), (469, 1167), (536, 1275), (546, 1299), (579, 1362), (631, 1446), (667, 1503), (673, 1518), (704, 1575), (716, 1593), (731, 1620), (766, 1689), (799, 1746), (816, 1755), (841, 1776), (867, 1809), (878, 1824), (889, 1845), (900, 1860), (969, 1941), (974, 1947),

Gene: Khuang_2 Start: 390, Stop: 1988, Start Num: 104

Candidate Starts for Khuang_2:

(55, 318), (Start: 104 @390 has 2 MA's), (199, 507), (285, 630), (321, 759), (401, 918), (418, 972), (430, 1029), (449, 1092), (584, 1341), (600, 1371), (606, 1383), (669, 1470), (678, 1494), (683, 1503), (686, 1509), (707, 1542), (725, 1569), (727, 1572), (773, 1632), (841, 1704), (879, 1767), (913, 1788), (921, 1797), (952, 1836), (1037, 1950), (1041, 1956),

Gene: KiSi_7 Start: 1481, Stop: 2905, Start Num: 162

Candidate Starts for KiSi_7:

(Start: 162 @1481 has 165 MA's), (Start: 211 @1568 has 3 MA's), (Start: 225 @1592 has 18 MA's), (229, 1598), (279, 1676), (283, 1685), (295, 1733), (302, 1751), (315, 1769), (330, 1820), (355, 1859), (383, 1895), (415, 1973), (426, 2015), (428, 2024), (458, 2105), (548, 2219), (572, 2261), (574, 2267), (579, 2279), (593, 2309), (604, 2333), (612, 2345), (621, 2360), (670, 2429), (691, 2471), (764, 2570), (782, 2603), (784, 2606), (810, 2642), (825, 2660), (972, 2843), (1025, 2894),

Gene: Kieran_3 Start: 938, Stop: 2563, Start Num: 123

Candidate Starts for Kieran_3:

(1, 410), (Start: 123 @938 has 2 MA's), (Start: 135 @944 has 81 MA's), (242, 1100), (293, 1190), (299, 1208), (307, 1223), (335, 1292), (344, 1316), (356, 1334), (401, 1391), (417, 1442), (418, 1445), (431, 1505), (437, 1526), (445, 1553), (455, 1583), (632, 1922), (713, 2045), (926, 2360), (956, 2399), (1045, 2516),

Gene: Kihatsu_7 Start: 2288, Stop: 3994, Start Num: 115

Candidate Starts for Kihatsu_7:

(72, 2231), (Start: 95 @2267 has 13 MA's), (Start: 115 @2288 has 16 MA's), (199, 2411), (Start: 213 @2432 has 10 MA's), (222, 2447), (242, 2480), (278, 2525), (283, 2528), (293, 2570), (299, 2588), (300, 2591), (321, 2633), (356, 2714), (358, 2717), (401, 2771), (431, 2885), (457, 2966), (485, 3032), (488, 3041), (553, 3203), (584, 3269), (592, 3284), (678, 3455), (715, 3512), (741, 3554), (770, 3587), (794, 3626), (837, 3668), (921, 3767), (934, 3785), (937, 3788), (942, 3794), (985, 3857), (1058, 3983),

Gene: Kiko_2 Start: 407, Stop: 2017, Start Num: 136

Candidate Starts for Kiko_2:

(Start: 136 @407 has 13 MA's), (254, 593), (315, 728), (330, 776), (380, 848), (431, 1001), (446, 1043), (458, 1073), (493, 1136), (511, 1187), (551, 1259), (556, 1268), (557, 1271), (572, 1289), (588, 1319), (639, 1394), (679, 1481), (704, 1514), (732, 1559), (762, 1601), (802, 1670), (810, 1679), (825, 1697), (877, 1769), (895, 1805), (925, 1847), (944, 1868), (948, 1874),

Gene: KilKor_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for KilKor_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: KillerTomato_3 Start: 1125, Stop: 2585, Start Num: 107

Candidate Starts for KillerTomato_3:

(Start: 107 @1125 has 136 MA's), (Start: 113 @1131 has 2 MA's), (237, 1293), (242, 1302), (278, 1362), (303, 1431), (316, 1452), (331, 1503), (430, 1707), (511, 1842), (553, 1920), (565, 1935), (580, 1971), (599, 2013), (621, 2046), (634, 2064), (710, 2184), (711, 2187), (719, 2199), (770, 2274), (810, 2337), (829, 2355), (831, 2358), (953, 2520), (964, 2538), (989, 2577),

Gene: Kimberlium_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Kimberlium_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (274, 881), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (328, 1022), (336, 1043), (353, 1070), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102),

Gene: Kinbote_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Kinbote_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: KingBob_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for KingBob_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (732, 1598), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: KingPhillip3_28 Start: 13074, Stop: 14588, Start Num: 73

Candidate Starts for KingPhillip3_28:

(Start: 73 @13074 has 42 MA's), (Start: 76 @13077 has 13 MA's), (Start: 211 @13257 has 3 MA's), (267, 13350), (294, 13425), (310, 13458), (321, 13485), (330, 13515), (415, 13668), (417, 13674), (426, 13710), (428, 13719), (458, 13800), (462, 13809), (464, 13812), (504, 13851), (544, 13908), (564, 13944), (566, 13947), (666, 14103), (670, 14112), (707, 14181), (713, 14190), (717, 14196), (739, 14229), (766, 14265), (825, 14352), (847, 14373), (903, 14436), (904, 14439), (907, 14442), (919, 14460), (938, 14481), (969, 14523), (999, 14559), (1019, 14571),

Gene: Kingsley_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Kingsley_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Kingsolomon_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Kingsolomon_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: KirDoubleO7_3 Start: 1202, Stop: 2767, Start Num: 79

Candidate Starts for KirDoubleO7_3:

(38, 1151), (46, 1160), (Start: 79 @1202 has 143 MA's), (Start: 82 @1208 has 6 MA's), (203, 1379), (281, 1484), (285, 1496), (343, 1652), (347, 1661), (354, 1664), (355, 1667), (398, 1742), (415, 1796), (416, 1799), (417, 1802), (516, 2024), (522, 2033), (563, 2108), (577, 2129), (579, 2135), (595, 2162), (624, 2204), (653, 2228), (664, 2246), (667, 2255), (670, 2261), (732, 2375), (764, 2414), (768, 2420), (810, 2486), (855, 2540), (877, 2576), (884, 2588), (920, 2627), (995, 2714), (1028, 2759), (1029, 2762),

Gene: Kittykat_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Kittykat_2:

(Start: 79 @426 has 143 MA's), (275, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (416, 1011), (418, 1017), (431, 1077), (453, 1149), (495, 1236), (522, 1266), (529, 1281), (594, 1380), (630, 1440), (636, 1449), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (877, 1779), (956, 1857), (1045, 1977), (1050, 1986),

Gene: Klein_10 Start: 3688, Stop: 5220, Start Num: 167

Candidate Starts for Klein_10:

(Start: 94 @3604 has 4 MA's), (131, 3646), (139, 3655), (Start: 167 @3688 has 21 MA's), (Start: 235 @3802 has 15 MA's), (268, 3865), (284, 3898), (285, 3901), (294, 3940), (296, 3946), (328, 4021), (330, 4030), (398, 4132), (410, 4171), (420, 4204), (546, 4453), (579, 4516), (592, 4543), (680, 4702), (704, 4738), (720, 4759), (725, 4768), (730, 4777), (766, 4831), (777, 4855), (855, 4936), (969, 5089), (977, 5101),

Gene: KleverKiS_14 Start: 4715, Stop: 6259, Start Num: 102

Candidate Starts for KleverKiS_14:

(Start: 102 @4715 has 21 MA's), (Start: 145 @4763 has 1 MA's), (Start: 235 @4904 has 15 MA's), (282, 4964), (330, 5102), (425, 5294), (530, 5504), (558, 5555), (598, 5627), (667, 5690), (676, 5714), (682, 5729), (720, 5789), (727, 5801), (764, 5861), (782, 5894), (804, 5927), (827, 5954), (865, 6002), (995, 6188), (1008, 6209),

Gene: Kojax4_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Kojax4_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Korra_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Korra_5:

(Start: 79 @3082 has 143 MA's), (Start: 234 @3292 has 4 MA's), (275, 3346), (296, 3403), (299, 3412), (411, 3652), (416, 3667), (418, 3673), (431, 3733), (449, 3793), (495, 3892), (522, 3922), (529, 3937), (584, 4018), (630, 4096), (636, 4105), (669, 4141), (686, 4180), (707, 4213), (715, 4222), (730, 4249), (773, 4303), (799, 4345), (852, 4390), (865, 4411), (877, 4435), (956, 4513), (1045, 4633),

Gene: Kratio_5 Start: 1088, Stop: 2515, Start Num: 168

Candidate Starts for Kratio_5:

(Start: 168 @1088 has 24 MA's), (198, 1145), (Start: 211 @1166 has 3 MA's), (Start: 225 @1190 has 18 MA's), (279, 1274), (283, 1283), (285, 1289), (295, 1331), (302, 1349), (315, 1367), (330, 1418), (355, 1457), (383, 1493), (415, 1571), (426, 1613), (428, 1622), (429, 1625), (458, 1703), (548, 1817), (574, 1865), (579, 1877), (593, 1907), (612, 1943), (630, 1970), (670, 2027), (713, 2111), (727, 2135), (782, 2213), (825, 2270), (849, 2294), (869, 2318), (969, 2447), (1025, 2504),

Gene: Kraw_9 Start: 2465, Stop: 3910, Start Num: 162

Candidate Starts for Kraw_9:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: Krili_30 Start: 13244, Stop: 14758, Start Num: 73

Candidate Starts for Krili_30:

(Start: 73 @13244 has 42 MA's), (Start: 76 @13247 has 13 MA's), (Start: 211 @13427 has 3 MA's), (267, 13520), (294, 13595), (310, 13628), (321, 13655), (330, 13685), (415, 13838), (417, 13844), (426, 13880), (428, 13889), (458, 13970), (462, 13979), (464, 13982), (504, 14021), (544, 14078), (564, 14114), (566, 14117), (666, 14273), (670, 14282), (707, 14351), (713, 14360), (717, 14366), (739, 14399), (766, 14435), (825, 14522), (847, 14543), (903, 14606), (904, 14609), (907, 14612), (919, 14630), (938, 14651), (969, 14693), (999, 14729), (1019, 14741),

Gene: Kropertea_4 Start: 771, Stop: 2327, Start Num: 82

Candidate Starts for Kropertea_4:

(Start: 79 @765 has 143 MA's), (Start: 82 @771 has 6 MA's), (194, 921), (238, 987), (264, 1017), (285, 1053), (286, 1056), (296, 1098), (355, 1224), (428, 1407), (455, 1482), (530, 1608), (540, 1629), (555, 1653), (558, 1659), (577, 1689), (579, 1695), (598, 1731), (624, 1764), (653, 1788), (670, 1821), (704, 1887), (732, 1935), (741, 1944), (756, 1959), (768, 1980), (810, 2046), (884, 2148), (991, 2268), (995, 2274), (1008, 2295), (1028, 2319),

Gene: Krueger_7 Start: 1519, Stop: 2946, Start Num: 162

Candidate Starts for Krueger_7:

(Start: 162 @1519 has 165 MA's), (Start: 211 @1609 has 3 MA's), (Start: 225 @1633 has 18 MA's), (229, 1639), (279, 1717), (283, 1726), (295, 1774), (302, 1792), (330, 1861), (355, 1900), (361, 1909), (383, 1936), (386, 1939), (415, 2014), (426, 2056), (428, 2065), (458, 2146), (503, 2194), (548, 2260), (572, 2302), (574, 2308), (579, 2320), (581, 2326), (593, 2350), (604, 2374), (608, 2380), (621, 2401), (670, 2470), (691, 2512), (762, 2605), (764, 2611), (766, 2614), (784, 2647), (804, 2677), (825, 2701), (869, 2749), (969, 2878), (1025, 2935), (1029, 2941),

Gene: Krypton555_5 Start: 1185, Stop: 2750, Start Num: 79

Candidate Starts for Krypton555_5:

(Start: 79 @1185 has 143 MA's), (Start: 82 @1191 has 6 MA's), (203, 1362), (281, 1467), (285, 1479), (343, 1635), (347, 1644), (354, 1647), (355, 1650), (398, 1725), (415, 1779), (416, 1782), (417, 1785), (522, 2016), (577, 2112), (579, 2118), (624, 2187), (653, 2211), (664, 2229), (670, 2244), (682, 2277), (732, 2358), (764, 2397), (768, 2403), (810, 2469), (855, 2523), (877, 2559), (884, 2571), (920, 2610), (995, 2697), (1028, 2742), (1029, 2745),

Gene: Ksquared_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Ksquared_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (625, 1478), (639, 1490), (667, 1535), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Kubed_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Kubed_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (679, 1398), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: Kudfre_12 Start: 4947, Stop: 6422, Start Num: 158

Candidate Starts for Kudfre_12:

(Start: 158 @4947 has 9 MA's), (251, 5094), (281, 5133), (285, 5145), (329, 5268), (376, 5355), (400, 5412), (418, 5469), (428, 5511), (430, 5523), (440, 5547), (447, 5571), (467, 5613), (579, 5793), (607, 5835), (665, 5916), (682, 5961), (697, 5985), (725, 6030), (768, 6090), (812, 6153), (816, 6159), (871, 6231), (884, 6249), (892, 6267), (981, 6366), (996, 6384), (1018, 6414),

Gene: Kuleana_3 Start: 777, Stop: 2342, Start Num: 158

Candidate Starts for Kuleana_3:

(81, 690), (Start: 84 @696 has 12 MA's), (Start: 158 @777 has 9 MA's), (215, 864), (222, 876), (237, 900), (278, 954), (285, 963), (293, 999), (299, 1017), (401, 1200), (417, 1251), (419, 1263), (431, 1314), (435, 1326), (436, 1332), (449, 1374), (457, 1395), (464, 1410), (490, 1467), (669, 1782), (705, 1848), (732, 1893), (768, 1932), (772, 1941), (773, 1944), (785, 1965), (814, 2004), (818, 2010), (820, 2013), (905, 2142), (982, 2247), (985, 2250), (1003, 2277), (1010, 2280), (1017, 2292), (1026, 2301), (1045, 2328), (1047, 2331), (1048, 2334),

Gene: Kumao_13 Start: 4256, Stop: 5845, Start Num: 88

Candidate Starts for Kumao_13:

(Start: 88 @4256 has 6 MA's), (184, 4373), (250, 4472), (252, 4475), (308, 4610), (330, 4676), (347, 4715), (358, 4727), (404, 4787), (416, 4832), (425, 4868), (426, 4871), (428, 4880), (530, 5078), (549, 5111), (591, 5183), (607, 5204), (667, 5297), (670, 5303), (720, 5396), (725, 5405), (764, 5462), (768, 5468), (779, 5492), (827, 5555), (854, 5585), (884, 5636), (954, 5723), (991, 5768), (995, 5774), (1007, 5792),

Gene: Kumotta_3 Start: 1020, Stop: 2465, Start Num: 167

Candidate Starts for Kumotta_3:

(Start: 167 @1020 has 21 MA's), (231, 1125), (281, 1203), (283, 1209), (426, 1545), (428, 1554), (430, 1566), (442, 1596), (443, 1599), (458, 1635), (542, 1755), (557, 1782), (574, 1812), (653, 1941), (667, 1962), (670, 1968), (673, 1974), (675, 1980), (682, 1998), (766, 2118), (779, 2145), (827, 2208), (853, 2238), (904, 2292), (919, 2313), (1025, 2454),

Gene: KylieMac_5 Start: 787, Stop: 2277, Start Num: 112

Candidate Starts for KylieMac_5:

(Start: 112 @787 has 46 MA's), (159, 832), (Start: 224 @934 has 1 MA's), (241, 961), (275, 1012), (285, 1024), (291, 1054), (295, 1066), (300, 1081), (329, 1147), (349, 1192), (409, 1279), (416, 1303), (417, 1306), (418, 1309), (429, 1354), (435, 1378), (437, 1387), (461, 1453), (517, 1516), (525, 1528), (553, 1570), (566, 1588), (596, 1648), (630, 1705), (657, 1717), (667, 1741), (674, 1759), (715, 1837), (753, 1891), (785, 1945), (795, 1957), (800, 1966), (865, 2041), (868, 2050), (893, 2077), (947, 2134), (982, 2188), (1036, 2260),

Gene: KyriosFaba_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for KyriosFaba_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Lahqtemish_3 Start: 769, Stop: 2394, Start Num: 135

Candidate Starts for Lahqtemish_3:

(Start: 135 @769 has 81 MA's), (242, 925), (299, 1033), (335, 1117), (358, 1162), (417, 1267), (431, 1330), (437, 1351), (455, 1408), (628, 1744), (715, 1876), (785, 1978), (956, 2227), (987, 2275), (1045, 2344),

Gene: Laila_5 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Laila_5:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (241, 974), (275, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (329, 1160), (349, 1205), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (435, 1391), (437, 1400), (461, 1466), (517, 1529), (525, 1541), (553, 1583), (566, 1601), (596, 1661), (630, 1718), (657, 1730), (667, 1754), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (800, 1979), (865, 2054), (868, 2063), (893, 2090), (947, 2147), (982, 2201), (1036, 2273),

Gene: Lakshmi_5 Start: 3282, Stop: 4673, Start Num: 213

Candidate Starts for Lakshmi_5:

(Start: 79 @3108 has 143 MA's), (Start: 213 @3282 has 10 MA's), (222, 3297), (Start: 234 @3318 has 4 MA's), (275, 3372), (284, 3381), (291, 3414), (299, 3438), (411, 3678), (416, 3693), (418, 3699), (431, 3759), (449, 3819), (495, 3918), (522, 3948), (529, 3963), (570, 4011), (584, 4044), (636, 4131), (686, 4206), (730, 4275), (785, 4350), (799, 4371), (836, 4392), (877, 4461), (915, 4488), (956, 4539), (982, 4578), (1003, 4608), (1015, 4620), (1045, 4659), (1050, 4668),

Gene: Lamberg_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Lamberg_2:

(Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Langerak_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Langerak_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Laphuphu24k_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for Laphuphu24k_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (296, 658), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Larva_6 Start: 1090, Stop: 2517, Start Num: 168

Candidate Starts for Larva_6:

(Start: 168 @1090 has 24 MA's), (198, 1147), (Start: 211 @1168 has 3 MA's), (Start: 225 @1192 has 18 MA's), (279, 1276), (283, 1285), (285, 1291), (302, 1351), (315, 1369), (330, 1420), (355, 1459), (415, 1573), (426, 1615), (428, 1624), (429, 1627), (458, 1705), (548, 1819), (574, 1867), (579, 1879), (593, 1909), (612, 1945), (630, 1972), (670, 2029), (713, 2113), (727, 2137), (782, 2215), (825, 2272), (849, 2296), (869, 2320), (969, 2449), (1025, 2506),

Gene: Lasagna_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Lasagna_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: LastHope_8 Start: 1617, Stop: 3041, Start Num: 162

Candidate Starts for LastHope_8:

(77, 1533), (Start: 162 @1617 has 165 MA's), (Start: 211 @1704 has 3 MA's), (Start: 225 @1728 has 18 MA's), (229, 1734), (249, 1773), (279, 1812), (283, 1821), (285, 1827), (295, 1869), (302, 1887), (315, 1905), (330, 1956), (355, 1995), (361, 2004), (383, 2031), (386, 2034), (426, 2151), (428, 2160), (503, 2289), (548, 2355), (574, 2403), (579, 2415), (593, 2445), (604, 2469), (670, 2565), (764, 2706), (766, 2709), (784, 2742), (804, 2772), (825, 2796), (904, 2883), (969, 2973), (1025, 3030), (1029, 3036),

Gene: LastNadiia_7 Start: 3609, Stop: 5138, Start Num: 145

Candidate Starts for LastNadiia_7:

(Start: 145 @3609 has 1 MA's), (179, 3654), (183, 3663), (203, 3693), (217, 3717), (283, 3807), (285, 3813), (340, 3963), (428, 4194), (430, 4206), (447, 4263), (467, 4305), (536, 4419), (544, 4440), (579, 4506), (581, 4512), (597, 4542), (768, 4803), (882, 4938), (989, 5079),

Gene: LaterM_8 Start: 1568, Stop: 2989, Start Num: 162

Candidate Starts for LaterM_8:

(Start: 85 @1496 has 1 MA's), (Start: 153 @1556 has 11 MA's), (Start: 162 @1568 has 165 MA's), (Start: 225 @1679 has 18 MA's), (229, 1685), (279, 1763), (283, 1772), (295, 1820), (302, 1838), (315, 1856), (330, 1907), (356, 1949), (361, 1955), (383, 1982), (386, 1985), (415, 2060), (426, 2102), (428, 2111), (458, 2192), (548, 2306), (574, 2354), (579, 2366), (593, 2396), (604, 2420), (612, 2432), (621, 2447), (670, 2516), (766, 2660), (784, 2693), (825, 2747), (969, 2924), (1025, 2978),

Gene: LauKoruNamu_3 Start: 437, Stop: 1996, Start Num: 49

Candidate Starts for LauKoruNamu_3:

(33, 419), (Start: 49 @437 has 4 MA's), (134, 533), (137, 536), (161, 563), (Start: 213 @644 has 10 MA's), (218, 653), (Start: 234 @680 has 4 MA's), (277, 734), (283, 740), (294, 785), (326, 860), (327, 863), (329, 869), (330, 875), (331, 878), (340, 896), (356, 929), (415, 1031), (434, 1106), (441, 1130), (492, 1220), (493, 1223), (517, 1250), (520, 1253), (535, 1277), (538, 1286), (570, 1337), (579, 1358), (596, 1394), (618, 1430), (635, 1454), (674, 1505), (679, 1520), (686, 1532), (715, 1577), (721, 1589), (815, 1730), (860, 1781), (863, 1787), (976, 1934), (982, 1943), (987, 1952),

Gene: Lauchelly_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Lauchelly_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (464, 1053), (513, 1134), (531, 1155), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (801, 1584), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (977, 1812), (991, 1827), (995, 1833), (1023, 1875), (1028, 1881),

Gene: Lavahound_6 Start: 1181, Stop: 2605, Start Num: 162

Candidate Starts for Lavahound_6:

(77, 1097), (Start: 153 @1169 has 11 MA's), (Start: 162 @1181 has 165 MA's), (Start: 211 @1268 has 3 MA's), (Start: 225 @1292 has 18 MA's), (279, 1376), (283, 1385), (295, 1433), (302, 1451), (315, 1469), (330, 1520), (383, 1595), (386, 1598), (426, 1715), (428, 1724), (429, 1727), (439, 1757), (458, 1805), (548, 1919), (574, 1967), (579, 1979), (593, 2009), (604, 2033), (614, 2048), (621, 2060), (670, 2129), (691, 2171), (713, 2201), (766, 2273), (784, 2306), (789, 2315), (825, 2360), (1025, 2594), (1029, 2600),

Gene: LaviMo_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for LaviMo_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: LeBron_4 Start: 1059, Stop: 2636, Start Num: 82

Candidate Starts for LeBron_4:

(Start: 79 @1053 has 143 MA's), (Start: 82 @1059 has 6 MA's), (203, 1230), (267, 1317), (281, 1335), (283, 1341), (291, 1377), (354, 1515), (355, 1518), (398, 1593), (416, 1650), (417, 1653), (477, 1821), (516, 1875), (522, 1884), (530, 1899), (540, 1920), (563, 1959), (577, 1980), (579, 1986), (595, 2013), (624, 2055), (653, 2079), (664, 2097), (667, 2106), (670, 2112), (682, 2145), (704, 2178), (727, 2217), (730, 2223), (732, 2226), (768, 2271), (810, 2337), (854, 2388), (863, 2403), (866, 2412), (877, 2427), (879, 2430), (969, 2532), (991, 2559), (1028, 2610), (1029, 2613),

Gene: LeMond_7 Start: 1481, Stop: 2905, Start Num: 162

Candidate Starts for LeMond_7:

(Start: 162 @1481 has 165 MA's), (Start: 211 @1568 has 3 MA's), (Start: 225 @1592 has 18 MA's), (229, 1598), (279, 1676), (283, 1685), (285, 1691), (295, 1733), (302, 1751), (315, 1769), (330, 1820), (355, 1859), (383, 1895), (415, 1973), (426, 2015), (428, 2024), (458, 2105), (548, 2219), (572, 2261), (574, 2267), (579, 2279), (593, 2309), (604, 2333), (612, 2345), (621, 2360), (670, 2429), (691, 2471), (764, 2570), (782, 2603), (784, 2606), (810, 2642), (825, 2660), (1025, 2894),

Gene: Lea83_7 Start: 1488, Stop: 2912, Start Num: 162

Candidate Starts for Lea83_7:

(Start: 153 @1476 has 11 MA's), (Start: 162 @1488 has 165 MA's), (Start: 211 @1575 has 3 MA's), (Start: 225 @1599 has 18 MA's), (279, 1683), (283, 1692), (295, 1740), (302, 1758), (315, 1776), (330, 1827), (356, 1869), (361, 1875), (383, 1902), (415, 1980), (426, 2022), (428, 2031), (458, 2112), (466, 2130), (548, 2226), (574, 2274), (579, 2286), (593, 2316), (604, 2340), (612, 2352), (670, 2436), (691, 2478), (764, 2577), (766, 2580), (789, 2622), (799, 2637), (804, 2643), (823, 2664), (825, 2667), (969, 2844), (1029, 2907),

Gene: Leafy_3 Start: 1092, Stop: 2552, Start Num: 107

Candidate Starts for Leafy_3:

(Start: 107 @1092 has 136 MA's), (Start: 113 @1098 has 2 MA's), (237, 1260), (242, 1269), (278, 1329), (303, 1398), (316, 1419), (331, 1470), (430, 1674), (511, 1809), (553, 1887), (565, 1902), (580, 1938), (599, 1980), (621, 2013), (634, 2031), (710, 2151), (711, 2154), (719, 2166), (770, 2241), (810, 2304), (829, 2322), (831, 2325), (953, 2487), (959, 2496), (964, 2505), (989, 2544),

Gene: Lebo14_9 Start: 2478, Stop: 3923, Start Num: 162

Candidate Starts for Lebo14_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (426, 3012), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3912), (1029, 3918),

Gene: Lederberg_2 Start: 374, Stop: 1957, Start Num: 129

Candidate Starts for Lederberg_2:

(Start: 126 @371 has 4 MA's), (Start: 129 @374 has 4 MA's), (Start: 135 @380 has 81 MA's), (246, 551), (275, 629), (284, 638), (348, 812), (413, 914), (415, 920), (418, 929), (419, 938), (434, 998), (448, 1046), (449, 1049), (512, 1112), (561, 1205), (594, 1271), (690, 1427), (701, 1445), (733, 1490), (758, 1532), (781, 1568), (790, 1583), (811, 1610), (813, 1613), (821, 1628), (841, 1661), (852, 1676), (879, 1724), (909, 1754), (922, 1772), (973, 1847), (1029, 1922), (1046, 1946),

Gene: LemonPepper_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for LemonPepper_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Lemuria_2 Start: 376, Stop: 1959, Start Num: 74

Candidate Starts for Lemuria_2:

(Start: 74 @376 has 22 MA's), (198, 553), (282, 685), (315, 772), (330, 823), (335, 832), (348, 862), (364, 874), (400, 925), (417, 982), (426, 1018), (430, 1039), (458, 1108), (462, 1117), (574, 1270), (643, 1393), (670, 1444), (739, 1552), (766, 1594), (782, 1624), (789, 1636), (799, 1651), (823, 1678),

(825, 1681), (846, 1702), (889, 1759), (893, 1765), (900, 1777), (903, 1780), (1025, 1948), (1029, 1954),

Gene: Lennox_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Lennox_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (836, 1710), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Lenoxika_6 Start: 1956, Stop: 3656, Start Num: 115

Candidate Starts for Lenoxika_6:

(72, 1899), (Start: 95 @1935 has 13 MA's), (Start: 115 @1956 has 16 MA's), (180, 2031), (199, 2079), (Start: 213 @2100 has 10 MA's), (222, 2115), (242, 2148), (278, 2193), (293, 2238), (299, 2256), (300, 2259), (302, 2262), (358, 2385), (401, 2439), (431, 2553), (449, 2613), (457, 2634), (553, 2865), (584, 2931), (592, 2946), (678, 3117), (700, 3156), (707, 3165), (715, 3174), (741, 3216), (794, 3288), (837, 3330), (865, 3372), (913, 3420), (934, 3447), (937, 3450), (942, 3456), (956, 3477), (985, 3519), (1041, 3597), (1058, 3645),

Gene: Leona_2 Start: 373, Stop: 1995, Start Num: 95

Candidate Starts for Leona_2:

(Start: 84 @352 has 12 MA's), (Start: 95 @373 has 13 MA's), (275, 604), (285, 616), (293, 652), (299, 670), (302, 676), (331, 748), (419, 916), (431, 967), (438, 991), (449, 1027), (457, 1048), (464, 1063), (490, 1123), (536, 1207), (664, 1423), (669, 1435), (705, 1501), (707, 1507), (732, 1546), (768, 1585), (770, 1591), (785, 1618), (818, 1663), (985, 1903), (1003, 1930), (1022, 1951), (1045, 1981), (1047, 1984),

Gene: Leozinho_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Leozinho_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Leroy_3 Start: 674, Stop: 2191, Start Num: 151

Candidate Starts for Leroy_3:

(120, 665), (Start: 151 @674 has 89 MA's), (220, 791), (Start: 225 @800 has 18 MA's), (231, 809), (256, 854), (276, 887), (292, 938), (295, 947), (315, 983), (328, 1025), (336, 1046), (342, 1058), (353, 1073), (363, 1091), (365, 1094), (367, 1097), (383, 1118), (400, 1145), (417, 1202), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (453, 1319), (459, 1331), (507, 1412), (548, 1484), (561, 1508), (579, 1544), (591, 1571), (608, 1604), (651, 1658), (715, 1760), (732, 1787), (844, 1934), (851, 1946), (869, 1964), (938, 2042), (941, 2045), (943, 2048), (975, 2102), (984, 2114),

Gene: Leston_6 Start: 1351, Stop: 2778, Start Num: 168

Candidate Starts for Leston_6:

(77, 1258), (Start: 168 @1351 has 24 MA's), (198, 1408), (Start: 211 @1429 has 3 MA's), (Start: 225 @1453 has 18 MA's), (279, 1537), (283, 1546), (285, 1552), (295, 1594), (302, 1612), (315, 1630), (330, 1681), (383, 1756), (415, 1834), (426, 1876), (428, 1885), (429, 1888), (458, 1966), (548, 2080), (574, 2128), (593, 2170), (604, 2194), (612, 2206), (630, 2233), (665, 2278), (670, 2290), (762, 2437), (782, 2476), (825, 2533), (849, 2557), (869, 2581), (893, 2605), (965, 2704), (969, 2710), (1025, 2767),

Gene: Leviosa_2 Start: 380, Stop: 1891, Start Num: 157

Candidate Starts for Leviosa_2:

(Start: 157 @380 has 40 MA's), (Start: 181 @419 has 1 MA's), (186, 437), (217, 482), (238, 509), (240, 512), (278, 560), (283, 569), (285, 575), (294, 614), (296, 620), (315, 653), (321, 671), (329, 695), (330, 701), (347, 740), (350, 749), (352, 752), (372, 791), (374, 794), (398, 854), (404, 863), (416, 908), (417, 911), (422, 932), (426, 947), (428, 956), (430, 968), (451, 1028), (457, 1043), (458, 1046), (460, 1049), (469, 1070), (553, 1181), (570, 1208), (579, 1229), (620, 1295), (638, 1316), (658, 1346), (664, 1358), (679, 1400), (720, 1469), (725, 1478), (749, 1505), (764, 1532), (774, 1553), (775, 1556), (777, 1559), (790, 1571), (801, 1586), (816, 1601), (817, 1604), (843, 1628), (891, 1706), (893, 1709), (900, 1721), (967, 1799), (977, 1814), (995, 1835), (1023, 1877), (1028, 1883),

Gene: Lewan_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Lewan_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (296, 1408), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Liefie_2 Start: 454, Stop: 1890, Start Num: 170

Candidate Starts for Liefie_2:

(Start: 74 @358 has 22 MA's), (Start: 170 @454 has 43 MA's), (Start: 172 @457 has 3 MA's), (Start: 189 @493 has 1 MA's), (Start: 211 @532 has 3 MA's), (295, 694), (330, 781), (335, 790), (343, 808), (355, 820), (417, 940), (426, 976), (430, 997), (439, 1018), (458, 1066), (462, 1075), (574, 1228), (602, 1288), (614, 1306), (655, 1357), (670, 1384), (676, 1399), (677, 1402), (679, 1408), (732, 1483), (763, 1528), (810, 1603), (825, 1621), (846, 1642), (889, 1687), (900, 1705), (903, 1708), (969, 1801), (972, 1807), (1028, 1882),

Gene: LilBandit_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for LilBandit_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (711, 1452), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: LilDestine_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for LilDestine_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: LilDirt_5 Start: 1089, Stop: 2516, Start Num: 168

Candidate Starts for LilDirt_5:

(Start: 168 @1089 has 24 MA's), (198, 1146), (Start: 211 @1167 has 3 MA's), (Start: 225 @1191 has 18 MA's), (279, 1275), (283, 1284), (285, 1290), (302, 1350), (315, 1368), (330, 1419), (355, 1458), (415, 1572), (426, 1614), (428, 1623), (429, 1626), (458, 1704), (548, 1818), (574, 1866), (579, 1878),

(593, 1908), (612, 1944), (630, 1971), (670, 2028), (713, 2112), (727, 2136), (782, 2214), (825, 2271), (849, 2295), (869, 2319), (969, 2448), (1025, 2505),

Gene: LilHazelNut_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for LilHazelNut_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: LilJank_12 Start: 4868, Stop: 6313, Start Num: 158

Candidate Starts for LilJank_12:

(Start: 158 @4868 has 9 MA's), (281, 5054), (316, 5147), (346, 5228), (357, 5240), (376, 5273), (384, 5279), (398, 5297), (404, 5306), (426, 5390), (428, 5399), (447, 5459), (457, 5477), (530, 5597), (543, 5624), (583, 5693), (607, 5723), (657, 5789), (710, 5894), (725, 5921), (768, 5981), (784, 6005), (812, 6044), (863, 6107), (892, 6158), (949, 6215),

Gene: LilPharaoh_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for LilPharaoh_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: LilSpotty_2 Start: 328, Stop: 1785, Start Num: 83

Candidate Starts for LilSpotty_2:

(32, 259), (Start: 39 @274 has 1 MA's), (Start: 49 @283 has 4 MA's), (Start: 83 @328 has 1 MA's), (Start: 187 @424 has 6 MA's), (Start: 189 @427 has 1 MA's), (Start: 225 @487 has 18 MA's), (247, 529), (251, 535), (287, 598), (298, 637), (300, 643), (310, 658), (320, 682), (331, 718), (335, 724), (414, 862), (415, 868), (417, 874), (422, 895), (428, 919), (432, 937), (442, 961), (443, 964), (507, 1063), (532, 1090), (570, 1153), (572, 1156), (630, 1264), (679, 1333), (680, 1336), (707, 1369), (724, 1390), (734, 1402), (736, 1405), (762, 1441), (763, 1444), (764, 1447), (784, 1480), (799, 1504), (894, 1609), (933, 1657), (949, 1678), (954, 1684), (965, 1702), (969, 1708), (971, 1711), (972, 1714), (994, 1738), (1016, 1762), (1025, 1774),

Gene: LilStuart_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for LilStuart_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: LilhomieP_13 Start: 4719, Stop: 6263, Start Num: 102

Candidate Starts for LilhomieP_13:

(Start: 102 @4719 has 21 MA's), (Start: 145 @4767 has 1 MA's), (282, 4968), (330, 5106), (425, 5298), (530, 5508), (558, 5559), (598, 5631), (667, 5694), (676, 5718), (682, 5733), (720, 5793), (727, 5805), (764, 5865), (782, 5898), (804, 5931), (827, 5958), (865, 6006), (995, 6192), (1008, 6213),

Gene: Lilo27_3 Start: 680, Stop: 2311, Start Num: 135

Candidate Starts for Lilo27_3:

(Start: 135 @680 has 81 MA's), (242, 836), (299, 944), (335, 1028), (344, 1052), (356, 1070), (401, 1127), (417, 1178), (418, 1181), (431, 1241), (436, 1259), (445, 1289), (455, 1319), (715, 1793), (956, 2144), (987, 2192), (1058, 2300),

Gene: LimaBean_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for LimaBean_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (335, 1037), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: LindNT_8 Start: 1562, Stop: 2983, Start Num: 162

Candidate Starts for LindNT_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (330, 1901), (356, 1943), (361, 1949), (383, 1976), (386, 1979), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (667, 2504), (670, 2510), (766, 2654), (784, 2687), (825, 2741), (969, 2918), (1025, 2972),

Gene: Link_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Link_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 213 @929 has 10 MA's), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: LionelHutz_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for LionelHutz_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: LitninMcQueen_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for LitninMcQueen_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: Litotes_5 Start: 3057, Stop: 4625, Start Num: 79

Candidate Starts for Litotes_5:

(Start: 79 @3057 has 143 MA's), (218, 3243), (237, 3273), (275, 3324), (285, 3336), (291, 3366), (299, 3390), (310, 3414), (356, 3516), (401, 3597), (416, 3645), (431, 3711), (445, 3759), (448, 3768), (495, 3870), (522, 3900), (545, 3939), (600, 4026), (669, 4119), (707, 4191), (730, 4227), (799, 4323), (865, 4389), (901, 4419), (905, 4425), (956, 4491), (1045, 4611),

Gene: LittleShirley_3 Start: 798, Stop: 2159, Start Num: 225

Candidate Starts for LittleShirley_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: LittleTokyo_3 Start: 691, Stop: 2322, Start Num: 84

Candidate Starts for LittleTokyo_3:

(22, 580), (81, 685), (Start: 84 @691 has 12 MA's), (Start: 106 @724 has 2 MA's), (Start: 224 @865 has 1 MA's), (237, 886), (275, 937), (285, 949), (293, 985), (299, 1003), (302, 1009), (310, 1027), (401, 1186), (417, 1237), (431, 1300), (449, 1360), (457, 1381), (490, 1453), (553, 1579), (584, 1639), (632, 1720), (653, 1735), (664, 1756), (686, 1807), (715, 1849), (732, 1879), (768, 1918), (772, 1927), (818, 1996), (890, 2098), (895, 2107), (899, 2113), (913, 2134), (915, 2137), (934, 2161), (982, 2227), (985, 2230), (1015, 2269), (1047, 2311),

Gene: Livingwater_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Livingwater_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: LiyuLake_5 Start: 1193, Stop: 2758, Start Num: 79

Candidate Starts for LiyuLake_5:

(38, 1142), (46, 1151), (Start: 79 @1193 has 143 MA's), (Start: 82 @1199 has 6 MA's), (203, 1370), (223, 1403), (281, 1475), (283, 1481), (285, 1487), (343, 1643), (347, 1652), (354, 1655), (355, 1658), (398, 1733), (415, 1787), (416, 1790), (417, 1793), (516, 2015), (522, 2024), (563, 2099), (577, 2120), (579, 2126), (595, 2153), (624, 2195), (653, 2219), (664, 2237), (670, 2252), (732, 2366), (764, 2405), (768, 2411), (810, 2477), (877, 2567), (884, 2579), (920, 2618), (995, 2705), (1028, 2750), (1029, 2753),

Gene: Llorens_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Llorens_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Loadrie_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Loadrie_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Loca_3 Start: 1092, Stop: 2552, Start Num: 107

Candidate Starts for Loca_3:

(Start: 107 @1092 has 136 MA's), (Start: 113 @1098 has 2 MA's), (237, 1260), (242, 1269), (278, 1329), (303, 1398), (316, 1419), (331, 1470), (430, 1674), (511, 1809), (553, 1887), (565, 1902), (580, 1938), (599, 1980), (621, 2013), (634, 2031), (710, 2151), (711, 2154), (770, 2241), (810, 2304), (829, 2322), (831, 2325), (953, 2487), (959, 2496), (989, 2544),

Gene: Lola20_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Lola20_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Lolly9_5 Start: 1196, Stop: 2761, Start Num: 79

Candidate Starts for Lolly9_5:

(Start: 79 @1196 has 143 MA's), (Start: 82 @1202 has 6 MA's), (203, 1373), (281, 1478), (285, 1490), (343, 1646), (347, 1655), (354, 1658), (355, 1661), (398, 1736), (415, 1790), (416, 1793), (417, 1796), (494, 1985), (522, 2027), (563, 2102), (577, 2123), (579, 2129), (624, 2198), (664, 2240), (667, 2249), (670, 2255), (732, 2369), (764, 2408), (768, 2414), (810, 2480), (855, 2534), (877, 2570), (884, 2582), (920, 2621), (995, 2708), (1028, 2753), (1029, 2756),

Gene: LordFarquaad_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for LordFarquaad_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: LordVader_3 Start: 666, Stop: 2153, Start Num: 151

Candidate Starts for LordVader_3:

(Start: 118 @654 has 7 MA's), (Start: 151 @666 has 89 MA's), (Start: 225 @792 has 18 MA's), (231, 801), (276, 879), (281, 885), (292, 930), (293, 933), (314, 972), (316, 978), (353, 1065), (365, 1086), (417, 1194), (428, 1239), (430, 1251), (439, 1272), (443, 1284), (456, 1317), (459, 1323), (504, 1392), (505, 1398), (526, 1431), (576, 1527), (579, 1536), (591, 1563), (642, 1641), (667, 1674), (699, 1737), (732, 1782), (782, 1854), (809, 1893), (844, 1929), (847, 1935), (869, 1959), (896, 1989), (903, 1995), (938, 2037), (941, 2040), (943, 2043), (969, 2085), (975, 2097), (984, 2109),

Gene: Lorde_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Lorde_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Lore_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Lore_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (241, 974), (275, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (329, 1160), (349, 1205), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (435, 1391), (437, 1400), (461, 1466), (517, 1529), (525, 1541),

(553, 1583), (566, 1601), (596, 1661), (630, 1718), (657, 1730), (667, 1754), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (800, 1979), (865, 2054), (868, 2063), (893, 2090), (947, 2147), (982, 2201), (1036, 2273),

Gene: LouisV14_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for LouisV14_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: LouisXIV_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for LouisXIV_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Loviatar_3 Start: 960, Stop: 2585, Start Num: 135

Candidate Starts for Loviatar_3:

(Start: 135 @960 has 81 MA's), (166, 996), (242, 1116), (299, 1224), (307, 1239), (335, 1308), (358, 1353), (417, 1458), (418, 1461), (431, 1521), (436, 1539), (437, 1542), (445, 1569), (455, 1599), (536, 1761), (665, 1977), (705, 2052), (713, 2064), (899, 2343), (956, 2418),

Gene: Lton_2 Start: 501, Stop: 1940, Start Num: 189

Candidate Starts for Lton_2:

(58, 336), (100, 399), (125, 426), (128, 429), (131, 432), (Start: 153 @441 has 11 MA's), (Start: 189 @501 has 1 MA's), (204, 528), (Start: 211 @540 has 3 MA's), (218, 552), (256, 615), (274, 645), (281, 654), (282, 657), (287, 678), (315, 744), (316, 747), (330, 795), (335, 804), (336, 807), (400, 915), (410, 951), (417, 972), (423, 999), (428, 1017), (429, 1020), (440, 1062), (443, 1071), (469, 1134), (504, 1158), (505, 1164), (541, 1209), (570, 1260), (574, 1269), (576, 1272), (591, 1311), (593, 1314), (610, 1344), (667, 1416), (670, 1422), (711, 1494), (714, 1497), (740, 1530), (779, 1596), (784, 1599), (841, 1662), (861, 1692), (884, 1731), (885, 1734), (897, 1758), (905, 1770), (908, 1773), (957, 1839), (962, 1848), (965, 1851), (969, 1857), (972, 1863), (1025, 1929),

Gene: Lucia_3 Start: 797, Stop: 2158, Start Num: 225

Candidate Starts for Lucia_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Lucky10_2 Start: 313, Stop: 1758, Start Num: 117

Candidate Starts for Lucky10_2:

(Start: 117 @313 has 1 MA's), (249, 484), (315, 616), (335, 676), (361, 715), (400, 769), (410, 805), (417, 826), (422, 847), (428, 871), (434, 895), (439, 904), (442, 913), (443, 916), (532, 1042), (572, 1108), (651, 1240), (655, 1246), (667, 1267), (670, 1273), (713, 1342), (749, 1384), (764, 1411), (799, 1471), (804, 1477), (825, 1501), (904, 1591), (965, 1675), (969, 1681), (972, 1687), (977, 1696),

Gene: Lucky2013_10 Start: 3458, Stop: 4990, Start Num: 167

Candidate Starts for Lucky2013_10:

(131, 3416), (139, 3425), (Start: 167 @3458 has 21 MA's), (Start: 235 @3572 has 15 MA's), (268, 3635), (284, 3668), (285, 3671), (294, 3710), (296, 3716), (328, 3791), (343, 3827), (398, 3902), (400, 3905), (410, 3941), (420, 3974), (546, 4223), (579, 4286), (592, 4313), (680, 4472), (704, 4508), (720, 4529), (725, 4538), (730, 4547), (766, 4601), (777, 4625), (969, 4859), (977, 4871),

Gene: Lucy_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Lucy_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (461, 1167), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Luke_5 Start: 1894, Stop: 3489, Start Num: 101

Candidate Starts for Luke_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Lumos_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Lumos_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: Luna22_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Luna22_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Lunahalos_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Lunahalos_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Lunar_4 Start: 848, Stop: 2494, Start Num: 84

Candidate Starts for Lunar_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Lunatic_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for Lunatic_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571, 1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: Lutum_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Lutum_3:

(120, 664), (Start: 151 @673 has 89 MA's), (Start: 211 @775 has 3 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (231, 808), (251, 847), (256, 853), (276, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (328, 1024), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (429, 1249), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (456, 1324), (459, 1330), (504, 1399), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (651, 1657), (667, 1681), (715, 1759), (732, 1786), (739, 1795), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (943, 2047), (969, 2089), (975, 2101), (984, 2113), (1042, 2182),

Gene: Luxx_3 Start: 1098, Stop: 2558, Start Num: 107

Candidate Starts for Luxx_3:

(Start: 107 @1098 has 136 MA's), (Start: 113 @1104 has 2 MA's), (237, 1266), (242, 1275), (278, 1335), (303, 1404), (316, 1425), (331, 1476), (430, 1680), (553, 1893), (565, 1908), (580, 1944), (599, 1986), (621, 2019), (634, 2037), (710, 2157), (711, 2160), (719, 2172), (770, 2247), (810, 2310), (829, 2328), (831, 2331), (953, 2493), (959, 2502), (964, 2511), (989, 2550),

Gene: Lynlen_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for Lynlen_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: Lynnae_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Lynnae_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Lysidious_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Lysidious_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (877, 1689), (884, 1701), (908, 1743), (917, 1758), (936, 1779),

(948, 1794), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: MAckerman_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for MAckerman_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: MEAK_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for MEAK_2:

(Start: 155 @370 has 6 MA's), (Start: 157 @373 has 40 MA's), (Start: 167 @385 has 21 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (457, 1036), (458, 1039), (460, 1042), (469, 1063), (519, 1138), (531, 1150), (561, 1186), (570, 1201), (579, 1222), (664, 1351), (679, 1393), (720, 1462), (749, 1498), (764, 1525), (774, 1546), (777, 1552), (817, 1597), (838, 1615), (843, 1621), (874, 1666), (891, 1699), (893, 1702), (900, 1714), (967, 1792), (974, 1801), (1002, 1837), (1023, 1870), (1028, 1876),

Gene: MOOREtheMARYer_2 Start: 351, Stop: 1937, Start Num: 74

Candidate Starts for MOOREtheMARYer_2:

(29, 288), (64, 336), (Start: 74 @351 has 22 MA's), (Start: 153 @438 has 11 MA's), (Start: 170 @462 has 43 MA's), (Start: 187 @498 has 6 MA's), (198, 519), (315, 738), (335, 798), (417, 963), (426, 999), (430, 1020), (440, 1044), (442, 1050), (458, 1089), (462, 1098), (574, 1251), (612, 1326), (670, 1425), (766, 1575), (791, 1620), (846, 1683), (893, 1734), (903, 1749), (969, 1842), (984, 1866), (997, 1884), (1028, 1929),

Gene: MZKinsey_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for MZKinsey_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: MacKat_8 Start: 1613, Stop: 3034, Start Num: 162

Candidate Starts for MacKat_8:

(Start: 85 @1541 has 1 MA's), (Start: 153 @1601 has 11 MA's), (Start: 162 @1613 has 165 MA's), (Start: 225 @1724 has 18 MA's), (229, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (330, 1952), (356, 1994), (361, 2000), (383, 2027), (386, 2030), (426, 2147), (428, 2156), (458, 2237), (548, 2351), (574, 2399), (579, 2411), (593, 2441), (604, 2465), (612, 2477), (667, 2555), (670, 2561), (766, 2705), (784, 2738), (825, 2792), (969, 2969), (1025, 3023),

Gene: MacnCheese_8 Start: 1694, Stop: 3127, Start Num: 162

Candidate Starts for MacnCheese_8:

(Start: 108 @1655 has 52 MA's), (Start: 153 @1682 has 11 MA's), (Start: 162 @1694 has 165 MA's), (198, 1760), (Start: 211 @1781 has 3 MA's), (Start: 225 @1805 has 18 MA's), (279, 1889), (283, 1898), (295, 1946), (302, 1964), (315, 1982), (321, 2003), (330, 2033), (383, 2108), (415, 2186), (426, 2228), (428, 2237), (458, 2318), (466, 2336), (548, 2432), (574, 2480), (579, 2492), (593, 2522), (604, 2546), (612, 2558), (670, 2642), (764, 2792), (766, 2795), (799, 2852), (804, 2858), (823, 2879), (825,

2882), (969, 3059), (975, 3071), (1029, 3122),

Gene: MadKillah_32 Start: 13466, Stop: 14977, Start Num: 76

Candidate Starts for MadKillah_32:

(Start: 73 @13463 has 42 MA's), (Start: 76 @13466 has 13 MA's), (Start: 211 @13646 has 3 MA's), (267, 13739), (294, 13814), (310, 13847), (321, 13874), (330, 13904), (415, 14057), (417, 14063), (426, 14099), (428, 14108), (458, 14189), (462, 14198), (464, 14201), (504, 14240), (544, 14297), (564, 14333), (566, 14336), (666, 14492), (670, 14501), (707, 14570), (713, 14579), (717, 14585), (739, 14618), (766, 14654), (825, 14741), (847, 14762), (903, 14825), (904, 14828), (907, 14831), (919, 14849), (938, 14870), (969, 14912), (996, 14945), (999, 14948), (1019, 14960),

Gene: Madebyisha_3 Start: 1155, Stop: 2615, Start Num: 107

Candidate Starts for Madebyisha_3:

(Start: 107 @1155 has 136 MA's), (Start: 113 @1161 has 2 MA's), (237, 1323), (242, 1332), (278, 1392), (303, 1461), (316, 1482), (331, 1533), (430, 1737), (511, 1872), (553, 1950), (565, 1965), (580, 2001), (599, 2043), (621, 2076), (634, 2094), (710, 2214), (711, 2217), (719, 2229), (770, 2304), (810, 2367), (829, 2385), (831, 2388), (953, 2550), (959, 2559), (964, 2568),

Gene: Madiba_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Madiba_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (251, 844), (256, 850), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (328, 1021), (336, 1042), (353, 1069), (357, 1078), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Madraxi_10 Start: 7076, Stop: 8635, Start Num: 152

Candidate Starts for Madraxi_10:

(Start: 152 @7076 has 2 MA's), (Start: 156 @7082 has 1 MA's), (284, 7316), (376, 7529), (377, 7532), (420, 7643), (425, 7661), (429, 7676), (438, 7703), (579, 7955), (592, 7976), (622, 8027), (735, 8219), (863, 8402), (900, 8465), (910, 8480), (924, 8498), (930, 8504), (999, 8582),

Gene: Maggie_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Maggie_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: MagicMan_2 Start: 520, Stop: 2169, Start Num: 94

Candidate Starts for MagicMan_2:

(Start: 94 @520 has 4 MA's), (Start: 235 @718 has 15 MA's), (238, 721), (330, 931), (335, 940), (343, 961), (371, 1006), (431, 1189), (493, 1324), (540, 1390), (562, 1432), (639, 1546), (649, 1564), (654, 1567), (732, 1711), (739, 1720), (810, 1831), (825, 1849), (877, 1921), (895, 1957), (939, 2011), (977, 2071), (1009, 2122),

Gene: Magsby_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Magsby_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798),

(335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Mahdia_2 Start: 553, Stop: 2121, Start Num: 118

Candidate Starts for Mahdia_2:

(Start: 118 @553 has 7 MA's), (144, 580), (166, 607), (199, 661), (222, 697), (285, 784), (343, 946), (348, 958), (359, 973), (371, 994), (401, 1024), (416, 1072), (430, 1135), (448, 1195), (450, 1201), (467, 1243), (546, 1327), (562, 1360), (618, 1459), (632, 1480), (667, 1522), (670, 1528), (686, 1567), (710, 1612), (713, 1618), (715, 1621), (725, 1639), (790, 1750), (836, 1819), (837, 1822), (869, 1876), (871, 1879), (915, 1933), (934, 1957), (1048, 2113),

Gene: Maja_2 Start: 590, Stop: 2185, Start Num: 109

Candidate Starts for Maja_2:

(Start: 109 @590 has 5 MA's), (Start: 112 @593 has 46 MA's), (245, 773), (275, 806), (278, 809), (291, 848), (299, 872), (302, 878), (340, 968), (416, 1103), (431, 1169), (457, 1250), (461, 1259), (527, 1361), (533, 1373), (576, 1457), (594, 1496), (669, 1601), (707, 1673), (730, 1709), (744, 1730), (752, 1748), (766, 1772), (770, 1781), (785, 1808), (808, 1838), (848, 1895), (863, 1919), (934, 2021), (985, 2090), (987, 2096), (1020, 2135), (1047, 2174), (1050, 2180),

Gene: Majeke_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Majeke_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Majesty_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Majesty_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: MakCheese_2 Start: 434, Stop: 1993, Start Num: 155

Candidate Starts for MakCheese_2:

(33, 278), (58, 311), (93, 365), (Start: 155 @434 has 6 MA's), (192, 500), (230, 560), (238, 569), (261, 608), (330, 779), (331, 782), (343, 809), (356, 824), (397, 878), (417, 941), (428, 986), (458, 1073), (460, 1076), (478, 1118), (493, 1136), (500, 1166), (509, 1184), (511, 1187), (522, 1202), (622, 1376), (654, 1415), (664, 1433), (667, 1442), (670, 1448), (704, 1505), (711, 1517), (732, 1550), (764, 1598), (766, 1601), (779, 1628), (810, 1670), (825, 1688), (847, 1709), (876, 1760), (886, 1778), (887, 1781), (908, 1814), (930, 1847), (952, 1877), (979, 1916),

Gene: Makima_5 Start: 2725, Stop: 4254, Start Num: 148

Candidate Starts for Makima_5:

(Start: 148 @2725 has 1 MA's), (179, 2770), (203, 2809), (285, 2929), (299, 2983), (340, 3079), (348, 3100), (428, 3310), (430, 3322), (435, 3337), (447, 3379), (467, 3421), (536, 3535), (579, 3622), (633, 3709), (676, 3781), (768, 3919), (804, 3979), (991, 4198),

Gene: Makoto_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Makoto_2:

(Start: 79 @426 has 143 MA's), (180, 549), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (837, 1713), (865, 1755), (956, 1857),

Gene: Malachai_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Malachai_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (355, 783), (360, 795), (381, 816), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (656, 1341), (665, 1359), (667, 1365), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911),

Gene: Malibo_2 Start: 434, Stop: 1993, Start Num: 155

Candidate Starts for Malibo_2:

(33, 278), (58, 311), (75, 335), (Start: 155 @434 has 6 MA's), (192, 500), (230, 560), (238, 569), (261, 608), (283, 647), (330, 779), (331, 782), (343, 809), (355, 821), (457, 1070), (458, 1073), (493, 1136), (500, 1166), (509, 1184), (511, 1187), (622, 1376), (664, 1430), (667, 1439), (670, 1445), (704, 1502), (711, 1514), (735, 1550), (741, 1559), (764, 1595), (766, 1598), (779, 1625), (825, 1685), (847, 1706), (887, 1778), (908, 1811), (930, 1844), (952, 1874), (979, 1913), (1030, 1967),

Gene: Maliketh_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Maliketh_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Malisha_3 Start: 669, Stop: 2186, Start Num: 151

Candidate Starts for Malisha_3:

(120, 660), (Start: 151 @669 has 89 MA's), (220, 786), (Start: 225 @795 has 18 MA's), (231, 804), (268, 867), (276, 882), (283, 894), (292, 933), (314, 975), (315, 978), (328, 1020), (339, 1047), (353, 1068), (363, 1086), (365, 1089), (367, 1092), (383, 1113), (400, 1140), (417, 1197), (430, 1254), (432, 1260), (439, 1275), (443, 1287), (507, 1407), (534, 1449), (576, 1530), (579, 1539), (591, 1566), (612, 1605), (630, 1632), (651, 1653), (715, 1755), (732, 1782), (844, 1929), (851, 1941), (938, 2037), (941, 2040), (943, 2043), (969, 2085), (975, 2097), (984, 2109),

Gene: Malithi_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Malithi_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Malthus_9 Start: 2465, Stop: 3910, Start Num: 162

Candidate Starts for Malthus_9:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: MamaPearl_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for MamaPearl_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (310, 780), (356, 882), (389, 942), (416, 1011), (418, 1017), (431, 1077), (449, 1137), (464, 1173), (495, 1236), (522, 1266), (584, 1362), (636, 1449), (686, 1524), (707, 1557), (730, 1593), (785, 1668), (799, 1689), (802, 1692), (865, 1755), (877, 1779), (956, 1857), (1045, 1977),

Gene: ManAs_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for ManAs_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Maneater_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for Maneater_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (553, 1857), (565, 1872), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (770, 2211), (810, 2274), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: Mangethe_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Mangethe_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Marcoliusprime_4 Start: 652, Stop: 2076, Start Num: 162

Candidate Starts for Marcoliusprime_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (383, 1057), (416, 1138), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (665, 1576), (670, 1588), (691, 1630), (713, 1660), (728, 1687), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (1025, 2065),

Gene: MargaretKali_3 Start: 885, Stop: 2270, Start Num: 187

Candidate Starts for MargaretKali_3:

(Start: 153 @825 has 11 MA's), (Start: 187 @885 has 6 MA's), (Start: 189 @888 has 1 MA's), (Start: 211 @927 has 3 MA's), (247, 990), (281, 1041), (310, 1125), (315, 1131), (316, 1134), (321, 1152), (361, 1230), (400, 1284), (417, 1341), (428, 1386), (439, 1419), (469, 1494), (570, 1620), (574, 1629), (593, 1674), (608, 1701), (662, 1761), (665, 1770), (670, 1782), (675, 1794), (691, 1824), (700, 1839), (744, 1902), (762, 1920), (804, 1992), (827, 2019), (879, 2073), (971, 2190), (1025, 2259),

Gene: Maria1952_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Maria1952_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (732, 1598), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: Marichuy_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for Marichuy_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (553, 1974), (565, 1989), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (770, 2328), (810, 2391), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Mariposa_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Mariposa_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: MarkPhew_7 Start: 1432, Stop: 2856, Start Num: 162

Candidate Starts for MarkPhew_7:

(Start: 162 @1432 has 165 MA's), (Start: 211 @1519 has 3 MA's), (Start: 225 @1543 has 18 MA's), (249, 1588), (279, 1627), (283, 1636), (285, 1642), (295, 1684), (302, 1702), (315, 1720), (330, 1771), (355, 1810), (361, 1819), (383, 1846), (415, 1924), (426, 1966), (428, 1975), (458, 2056), (548, 2170), (572, 2212), (574, 2218), (579, 2230), (593, 2260), (612, 2296), (621, 2311), (670, 2380), (691, 2422), (713, 2452), (764, 2521), (782, 2554), (784, 2557), (810, 2593), (825, 2611), (854, 2644), (1025, 2845),

Gene: Marker_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Marker_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (251, 844), (256, 850), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (328, 1021), (336, 1042), (353, 1069), (357, 1078), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (739, 1795), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Marmie_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Marmie_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Marshawn_9 Start: 2072, Stop: 3451, Start Num: 187

Candidate Starts for Marshawn_9:

(Start: 153 @2015 has 11 MA's), (Start: 162 @2027 has 165 MA's), (Start: 187 @2072 has 6 MA's), (198, 2093), (Start: 211 @2114 has 3 MA's), (222, 2132), (Start: 225 @2138 has 18 MA's), (279, 2222), (283, 2231), (285, 2237), (295, 2279), (302, 2297), (315, 2315), (330, 2366), (383, 2441), (415, 2519), (426, 2561), (428, 2570), (458, 2651), (548, 2765), (574, 2813), (579, 2825), (593, 2855), (604, 2879), (621, 2906), (670, 2975), (691, 3017), (713, 3047), (764, 3116), (766, 3119), (784, 3152), (804, 3182), (810, 3188), (825, 3206), (847, 3227), (854, 3239), (969, 3383), (1025, 3440), (1029, 3446),

Gene: MaryV_26 Start: 8094, Stop: 9707, Start Num: 88

Candidate Starts for MaryV_26:

(Start: 88 @8094 has 6 MA's), (203, 8244), (214, 8262), (238, 8295), (249, 8307), (284, 8358), (285, 8361), (297, 8409), (299, 8415), (319, 8454), (320, 8457), (330, 8490), (369, 8559), (404, 8625), (408, 8643), (415, 8667), (417, 8673), (447, 8778), (467, 8820), (475, 8838), (480, 8847), (609, 9051), (613, 9057), (635, 9090), (727, 9255), (732, 9264), (739, 9270), (741, 9273), (782, 9348), (804, 9381), (816, 9396), (877, 9477), (991, 9630), (1006, 9651), (1007, 9654),

Gene: Massimo_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Massimo_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: MasterPitts_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for MasterPitts_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Matteo_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Matteo_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Mauilvory_3 Start: 1185, Stop: 2639, Start Num: 113

Candidate Starts for Mauilvory_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Mbo4_2 Start: 442, Stop: 1950, Start Num: 146

Candidate Starts for Mbo4_2:

(146, 442), (217, 553), (238, 580), (330, 790), (331, 793), (343, 820), (397, 889), (426, 988), (428, 997), (431, 1012), (446, 1054), (493, 1147), (511, 1162), (540, 1213), (557, 1246), (616, 1345), (639, 1372), (667, 1414), (682, 1447), (735, 1519), (756, 1549), (763, 1561), (764, 1564), (766, 1567), (768, 1570), (810, 1636), (825, 1654), (843, 1669), (887, 1747), (895, 1762), (925, 1801), (936, 1816), (1004, 1900),

Gene: McGonagall_2 Start: 520, Stop: 1905, Start Num: 164

Candidate Starts for McGonagall_2:

(Start: 164 @520 has 29 MA's), (Start: 208 @586 has 2 MA's), (Start: 224 @613 has 1 MA's), (294, 736), (295, 739), (302, 757), (328, 820), (330, 829), (331, 832), (370, 901), (400, 934), (409, 958), (417, 985), (429, 1033), (461, 1132), (508, 1165), (517, 1177), (525, 1189), (616, 1345), (626, 1360), (668, 1408), (688, 1453), (694, 1462), (707, 1486), (730, 1525), (980, 1825), (1032, 1891),

Gene: McMater_8 Start: 1660, Stop: 3090, Start Num: 162

Candidate Starts for McMater_8:

(105, 1618), (Start: 153 @1648 has 11 MA's), (Start: 162 @1660 has 165 MA's), (Start: 211 @1750 has 3 MA's), (Start: 225 @1774 has 18 MA's), (229, 1780), (249, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (330, 2002), (361, 2050), (426, 2197), (428, 2206), (503, 2335), (548, 2401), (572, 2443), (574, 2449), (579, 2461), (593, 2491), (604, 2515), (621, 2542), (670, 2611), (691, 2653), (713, 2683), (727, 2707), (766, 2755), (804, 2818), (825, 2842), (869, 2893), (904, 2932), (969, 3022), (1003, 3061), (1025, 3079), (1029, 3085),

Gene: McShie_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for McShie_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Mdavu_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Mdavu_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: MeaningOfLife_8 Start: 1563, Stop: 2984, Start Num: 162

Candidate Starts for MeaningOfLife_8:

(Start: 85 @1491 has 1 MA's), (Start: 153 @1551 has 11 MA's), (Start: 162 @1563 has 165 MA's), (Start: 225 @1674 has 18 MA's), (229, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (330, 1902), (356, 1944), (361, 1950), (383, 1977), (386, 1980), (426, 2097), (428, 2106), (458, 2187), (548, 2301), (574, 2349), (579, 2361), (593, 2391), (604, 2415), (612, 2427), (667, 2505), (670, 2511), (766, 2655), (784, 2688), (825, 2742), (969, 2919), (1025, 2973),

Gene: MeganNoll_5 Start: 3133, Stop: 4698, Start Num: 79

Candidate Starts for MeganNoll_5:

(Start: 79 @3133 has 143 MA's), (Start: 234 @3343 has 4 MA's), (275, 3397), (299, 3463), (310, 3487), (411, 3703), (416, 3718), (418, 3724), (431, 3784), (449, 3844), (495, 3943), (522, 3973), (529, 3988), (584, 4069), (630, 4147), (636, 4156), (669, 4192), (686, 4231), (707, 4264), (715, 4273), (730, 4300), (773, 4354), (799, 4396), (852, 4441), (865, 4462), (877, 4486), (956, 4564), (1045, 4684),

Gene: Megiddo_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Megiddo_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Megsy_8 Start: 1562, Stop: 2983, Start Num: 162

Candidate Starts for Megsy_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (330, 1901), (356, 1943), (361, 1949), (383, 1976), (386, 1979), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (667, 2504), (670, 2510), (766, 2654), (784, 2687), (825, 2741), (969, 2918), (1025, 2972),

Gene: MelBee03_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for MelBee03_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: Melba_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Melba_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Mellie_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Mellie_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (414, 891), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Melons_4 Start: 848, Stop: 2494, Start Num: 84

Candidate Starts for Melons_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Melville_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Melville_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Mercurio_3 Start: 1016, Stop: 2605, Start Num: 74

Candidate Starts for Mercurio_3:

(52, 986), (Start: 74 @1016 has 22 MA's), (198, 1187), (282, 1319), (330, 1457), (335, 1466), (364, 1520), (400, 1571), (417, 1628), (426, 1664), (430, 1685), (458, 1754), (462, 1763), (574, 1916), (614, 1994), (632, 2021), (643, 2039), (670, 2090), (732, 2189), (739, 2198), (763, 2234), (766, 2240), (782, 2270), (789, 2282), (799, 2297), (804, 2303), (810, 2309), (823, 2324), (825, 2327), (846, 2348), (893, 2411), (903, 2426), (1025, 2594), (1029, 2600),

Gene: Merpity_3 Start: 658, Stop: 1761, Start Num: 330

Candidate Starts for Merpity_3:

(Start: 164 @316 has 29 MA's), (Start: 225 @424 has 18 MA's), (229, 430), (247, 466), (251, 472), (330, 658), (335, 667), (400, 760), (414, 805), (418, 820), (426, 853), (428, 862), (429, 865), (439, 895), (440, 898), (442, 904), (443, 907), (458, 943), (574, 1102), (579, 1114), (630, 1210), (664, 1252), (667, 1261), (672, 1273), (717, 1357), (766, 1423), (782, 1453), (784, 1456), (789, 1465), (812, 1492), (834, 1522), (849, 1537), (962, 1684), (969, 1693),

Gene: MiaZeal_10 Start: 3527, Stop: 5059, Start Num: 167

Candidate Starts for MiaZeal_10:

(Start: 94 @3443 has 4 MA's), (131, 3485), (139, 3494), (Start: 167 @3527 has 21 MA's), (Start: 235 @3641 has 15 MA's), (268, 3704), (284, 3737), (285, 3740), (296, 3785), (328, 3860), (330, 3869), (398, 3971), (400, 3974), (410, 4010), (420, 4043), (546, 4292), (579, 4355), (592, 4382), (680, 4541), (704, 4577), (725, 4607), (730, 4616), (766, 4670), (777, 4694), (969, 4928), (977, 4940),

Gene: Miaurora_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for Miaurora_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (732, 2277), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: MichaelScott_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for MichaelScott_3:

(Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (428, 1423), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: MichelleMyBell_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for MichelleMyBell_2:

(5, 107), (6, 116), (10, 170), (Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (293, 743), (295, 749), (321, 806), (354, 878), (377, 926), (416, 1025), (429, 1076), (455, 1148), (462, 1163), (469, 1181), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (704, 1589), (716, 1607), (731, 1634), (766, 1703), (799, 1760), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (889, 1859), (900, 1874), (969, 1955), (974, 1961),

Gene: Miley16_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Miley16_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Milly_4 Start: 652, Stop: 2076, Start Num: 162

Candidate Starts for Milly_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (361, 1030), (383, 1057), (416, 1138), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (665, 1576), (670, 1588), (691, 1630), (713, 1660), (728, 1687), (764, 1729), (772, 1744), (804, 1795), (825, 1819),

(869, 1867), (965, 1990), (1025, 2065),

Gene: MillySue_6 Start: 1935, Stop: 3632, Start Num: 115

Candidate Starts for MillySue_6:

(Start: 89 @1902 has 1 MA's), (Start: 115 @1935 has 16 MA's), (199, 2055), (Start: 213 @2076 has 10 MA's), (222, 2091), (242, 2124), (275, 2166), (278, 2169), (293, 2214), (299, 2232), (300, 2235), (331, 2310), (356, 2358), (358, 2361), (401, 2415), (431, 2529), (448, 2586), (449, 2589), (457, 2610), (488, 2685), (584, 2907), (592, 2922), (632, 2988), (636, 2994), (637, 2997), (639, 3000), (668, 3060), (672, 3069), (678, 3093), (700, 3132), (715, 3150), (741, 3192), (770, 3225), (794, 3264), (837, 3306), (865, 3348), (934, 3423), (937, 3426), (942, 3432), (976, 3483), (985, 3495), (1017, 3537), (1058, 3621),

Gene: Milomuff_4 Start: 1046, Stop: 2674, Start Num: 135

Candidate Starts for Milomuff_4:

(36, 932), (80, 986), (Start: 135 @1046 has 81 MA's), (242, 1202), (299, 1310), (335, 1394), (344, 1418), (356, 1436), (401, 1493), (417, 1544), (418, 1547), (431, 1607), (436, 1625), (445, 1655), (455, 1685), (705, 2141), (715, 2156), (956, 2507), (987, 2555), (1058, 2663),

Gene: Min1_37 Start: 17540, Stop: 19132, Start Num: 142

Candidate Starts for Min1_37:

(142, 17540), (154, 17555), (199, 17624), (242, 17693), (278, 17738), (283, 17741), (302, 17807), (325, 17888), (332, 17906), (360, 17960), (433, 18161), (449, 18215), (536, 18311), (564, 18368), (570, 18386), (592, 18434), (674, 18566), (690, 18605), (713, 18638), (730, 18668), (787, 18746), (816, 18785), (921, 18914), (982, 19001),

Gene: MiniLon_5 Start: 1196, Stop: 2761, Start Num: 79

Candidate Starts for MiniLon_5:

(Start: 79 @1196 has 143 MA's), (Start: 82 @1202 has 6 MA's), (203, 1373), (281, 1478), (285, 1490), (343, 1646), (347, 1655), (354, 1658), (355, 1661), (398, 1736), (415, 1790), (416, 1793), (417, 1796), (494, 1985), (522, 2027), (563, 2102), (577, 2123), (579, 2129), (624, 2198), (664, 2240), (667, 2249), (670, 2255), (732, 2369), (764, 2408), (768, 2414), (810, 2480), (855, 2534), (877, 2570), (884, 2582), (920, 2621), (995, 2708), (1028, 2753), (1029, 2756),

Gene: MiniMac_5 Start: 1196, Stop: 2761, Start Num: 79

Candidate Starts for MiniMac_5:

(Start: 79 @1196 has 143 MA's), (Start: 82 @1202 has 6 MA's), (203, 1373), (281, 1478), (285, 1490), (343, 1646), (347, 1655), (354, 1658), (355, 1661), (398, 1736), (415, 1790), (416, 1793), (417, 1796), (522, 2027), (563, 2102), (577, 2123), (579, 2129), (624, 2198), (653, 2222), (664, 2240), (667, 2249), (670, 2255), (732, 2369), (764, 2408), (768, 2414), (810, 2480), (855, 2534), (877, 2570), (884, 2582), (920, 2621), (995, 2708), (1028, 2753), (1029, 2756),

Gene: Minima_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Minima_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: MintFen_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for MintFen_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530),

(784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Mireles_4 Start: 1134, Stop: 2663, Start Num: 148

Candidate Starts for Mireles_4:

(Start: 148 @1134 has 1 MA's), (179, 1179), (299, 1392), (348, 1509), (428, 1719), (430, 1731), (435, 1746), (447, 1788), (457, 1806), (536, 1944), (579, 2031), (633, 2118), (664, 2157), (676, 2190), (804, 2388), (812, 2397), (991, 2607),

Gene: MirimarMandM_3 Start: 1104, Stop: 2564, Start Num: 107

Candidate Starts for MirimarMandM_3:

(Start: 107 @1104 has 136 MA's), (Start: 113 @1110 has 2 MA's), (237, 1272), (242, 1281), (278, 1341), (303, 1410), (316, 1431), (327, 1467), (331, 1482), (430, 1686), (511, 1821), (553, 1899), (565, 1914), (571, 1932), (580, 1950), (599, 1992), (621, 2025), (634, 2043), (710, 2163), (711, 2166), (719, 2178), (725, 2190), (770, 2253), (804, 2310), (810, 2316), (816, 2325), (829, 2334), (831, 2337), (953, 2499), (959, 2508), (964, 2517), (989, 2556),

Gene: Miryou_6 Start: 1325, Stop: 2752, Start Num: 168

Candidate Starts for Miryou_6:

(Start: 168 @1325 has 24 MA's), (198, 1382), (Start: 211 @1403 has 3 MA's), (Start: 225 @1427 has 18 MA's), (279, 1511), (283, 1520), (285, 1526), (295, 1568), (302, 1586), (315, 1604), (330, 1655), (337, 1670), (383, 1730), (415, 1808), (426, 1850), (428, 1859), (429, 1862), (458, 1940), (548, 2054), (574, 2102), (593, 2144), (604, 2168), (612, 2180), (630, 2207), (665, 2252), (670, 2264), (762, 2411), (782, 2450), (825, 2507), (849, 2531), (869, 2555), (893, 2579), (965, 2678), (969, 2684), (1025, 2741),

Gene: Misaeng_5 Start: 3319, Stop: 4710, Start Num: 213

Candidate Starts for Misaeng_5:

(Start: 79 @3145 has 143 MA's), (Start: 213 @3319 has 10 MA's), (Start: 234 @3355 has 4 MA's), (275, 3409), (284, 3418), (291, 3451), (296, 3466), (299, 3475), (356, 3601), (411, 3715), (416, 3730), (418, 3736), (431, 3796), (449, 3856), (476, 3922), (495, 3955), (522, 3985), (529, 4000), (554, 4033), (570, 4048), (636, 4168), (657, 4183), (707, 4276), (730, 4312), (785, 4387), (799, 4408), (836, 4429), (877, 4498), (956, 4576), (982, 4615), (1003, 4645), (1015, 4657), (1045, 4696), (1050, 4705),

Gene: Misha28_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for Misha28_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (699, 1745), (732, 1790), (782, 1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: MissDaisy_9 Start: 2526, Stop: 3866, Start Num: 225

Candidate Starts for MissDaisy_9:

(Start: 162 @2421 has 165 MA's), (Start: 225 @2526 has 18 MA's), (279, 2610), (283, 2619), (291, 2655), (295, 2667), (315, 2709), (330, 2760), (339, 2778), (361, 2808), (415, 2913), (426, 2955), (428, 2964), (429, 2967), (458, 3045), (462, 3054), (548, 3159), (572, 3201), (574, 3207), (593, 3249), (670, 3366), (689, 3408), (713, 3453), (764, 3522), (789, 3567), (804, 3588), (825, 3612), (903, 3696), (969, 3789), (1025, 3855), (1029, 3861),

Gene: MissRona_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for MissRona_2:

(Start: 108 @334 has 52 MA's), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (296, 646), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (917, 1753), (1049, 1942),

Gene: Mitti_9 Start: 2478, Stop: 3923, Start Num: 162

Candidate Starts for Mitti_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3912), (1029, 3918),

Gene: MkaliMitinis3_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for MkaliMitinis3_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: MoRicky_2 Start: 176, Stop: 1804, Start Num: 118

Candidate Starts for MoRicky_2:

(Start: 118 @176 has 7 MA's), (Start: 160 @224 has 25 MA's), (196, 278), (253, 380), (260, 389), (279, 422), (291, 467), (295, 479), (310, 515), (318, 527), (333, 575), (354, 620), (359, 632), (401, 686), (415, 731), (428, 782), (434, 806), (442, 833), (523, 971), (540, 1007), (570, 1067), (708, 1307), (776, 1409), (783, 1421), (829, 1475), (856, 1511), (858, 1514), (883, 1559), (912, 1589), (927, 1607), (1036, 1751), (1049, 1778),

Gene: Mocha12_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Mocha12_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Moki_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Moki_2:

(Start: 79 @426 has 143 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (294, 741), (299, 756), (302, 762), (310, 780), (389, 942), (401, 963), (431, 1077), (449, 1137), (476, 1203), (495, 1236), (522, 1266), (529, 1281), (584, 1362), (630, 1440), (636, 1449), (773, 1647), (799, 1689), (837, 1713), (865, 1755), (956, 1857),

Gene: Moloch_4 Start: 874, Stop: 2364, Start Num: 112

Candidate Starts for Moloch_4:

(Start: 112 @874 has 46 MA's), (159, 919), (Start: 224 @1021 has 1 MA's), (Start: 234 @1039 has 4 MA's), (241, 1048), (275, 1099), (278, 1102), (285, 1111), (291, 1141), (300, 1168), (344, 1267), (409, 1366), (416, 1390), (417, 1393), (418, 1396), (429, 1441), (566, 1675), (590, 1723), (596, 1735), (618, 1774), (630, 1792), (657, 1804), (660, 1807), (667, 1828), (670, 1834), (674, 1846), (715, 1924), (753, 1978), (785, 2032), (795, 2044), (836, 2089), (868, 2137), (947, 2221), (985, 2278), (1036, 2347),

Gene: MooKitty_3 Start: 668, Stop: 2077, Start Num: 150

Candidate Starts for MooKitty_3:

(Start: 150 @668 has 12 MA's), (178, 710), (Start: 213 @764 has 10 MA's), (Start: 224 @782 has 1 MA's), (283, 866), (285, 872), (291, 902), (295, 914), (302, 932), (359, 1052), (409, 1127), (416, 1151), (427, 1196), (429, 1202), (444, 1256), (446, 1265), (596, 1496), (606, 1517), (664, 1583), (717, 1688), (719, 1691), (753, 1736), (778, 1778), (793, 1802), (845, 1856), (847, 1859), (893, 1913), (916, 1934), (1021, 2048), (1031, 2063),

Gene: MooMoo_2 Start: 337, Stop: 1785, Start Num: 162

Candidate Starts for MooMoo_2:

(48, 205), (78, 241), (Start: 126 @307 has 4 MA's), (Start: 157 @331 has 40 MA's), (Start: 162 @337 has 165 MA's), (198, 412), (283, 556), (287, 574), (290, 589), (291, 592), (310, 634), (315, 640), (329, 685), (330, 691), (361, 739), (383, 766), (428, 895), (430, 907), (439, 928), (464, 988), (546, 1105), (572, 1150), (586, 1186), (596, 1204), (611, 1228), (626, 1249), (663, 1288), (665, 1294), (666, 1297), (707, 1372), (710, 1375), (717, 1387), (744, 1426), (764, 1450), (766, 1453), (782, 1483), (799, 1510), (854, 1573), (876, 1606), (893, 1627), (903, 1639), (969, 1720), (1019, 1768),

Gene: Moonflower_2 Start: 585, Stop: 2195, Start Num: 136

Candidate Starts for Moonflower_2:

(Start: 136 @585 has 13 MA's), (254, 768), (315, 903), (330, 951), (380, 1023), (431, 1176), (446, 1218), (458, 1248), (506, 1353), (511, 1362), (556, 1443), (557, 1446), (572, 1464), (596, 1509), (616, 1542), (639, 1569), (676, 1647), (732, 1734), (751, 1758), (807, 1851), (810, 1854), (825, 1872), (884, 1956), (997, 2130),

Gene: Moosehead_2 Start: 437, Stop: 1936, Start Num: 153

Candidate Starts for Moosehead_2:

(62, 338), (67, 344), (125, 422), (131, 428), (Start: 153 @437 has 11 MA's), (Start: 181 @473 has 1 MA's), (Start: 189 @497 has 1 MA's), (204, 524), (Start: 211 @536 has 3 MA's), (218, 548), (243, 590), (256, 611), (281, 650), (282, 653), (298, 713), (310, 734), (315, 740), (316, 743), (330, 791), (335, 800), (336, 803), (400, 911), (410, 947), (417, 968), (428, 1013), (429, 1016), (440, 1058), (443, 1067), (504, 1154), (505, 1160), (541, 1205), (570, 1256), (574, 1265), (576, 1268), (591, 1307), (593, 1310), (610, 1340), (667, 1412), (670, 1418), (711, 1490), (714, 1493), (740, 1526), (766, 1565), (779, 1592), (784, 1595), (841, 1658), (884, 1727), (885, 1730), (897, 1754), (905, 1766), (908, 1769), (957, 1835), (962, 1844), (965, 1847), (984, 1877), (1025, 1925),

Gene: Moostard_5 Start: 1186, Stop: 2751, Start Num: 79

Candidate Starts for Moostard_5:

(Start: 79 @1186 has 143 MA's), (Start: 82 @1192 has 6 MA's), (203, 1363), (281, 1468), (285, 1480), (343, 1636), (347, 1645), (354, 1648), (355, 1651), (398, 1726), (415, 1780), (416, 1783), (417, 1786), (522, 2017), (563, 2092), (577, 2113), (579, 2119), (624, 2188), (653, 2212), (664, 2230), (670, 2245), (732, 2359), (764, 2398), (768, 2404), (810, 2470), (877, 2560), (884, 2572), (920, 2611), (995, 2698), (1028, 2743), (1029, 2746),

Gene: Mori_30 Start: 13115, Stop: 14629, Start Num: 73

Candidate Starts for Mori_30:

(Start: 73 @13115 has 42 MA's), (Start: 76 @13118 has 13 MA's), (Start: 211 @13298 has 3 MA's), (267, 13391), (294, 13466), (310, 13499), (321, 13526), (330, 13556), (415, 13709), (417, 13715), (426, 13751), (428, 13760), (458, 13841), (462, 13850), (464, 13853), (504, 13892), (544, 13949), (564, 13985), (566, 13988), (666, 14144), (670, 14153), (707, 14222), (713, 14231), (717, 14237), (739, 14270), (766, 14306), (825, 14393), (847, 14414), (903, 14477), (904, 14480), (907, 14483), (919, 14501), (938, 14522), (969, 14564), (999, 14600), (1019, 14612),

Gene: Morkie_2 Start: 375, Stop: 1757, Start Num: 187

Candidate Starts for Morkie_2:

(Start: 117 @312 has 1 MA's), (Start: 187 @375 has 6 MA's), (251, 486), (315, 615), (335, 675), (361, 714), (410, 804), (422, 846), (428, 870), (434, 894), (439, 903), (442, 912), (443, 915), (532, 1041), (593, 1158), (651, 1239), (667, 1266), (670, 1272), (713, 1341), (749, 1383), (764, 1410), (772, 1425), (790, 1455), (799, 1470), (804, 1476), (825, 1500), (893, 1575), (904, 1590), (965, 1674), (969, 1680), (972, 1686), (975, 1692), (977, 1695),

Gene: Morrissey_2 Start: 537, Stop: 2093, Start Num: 118

Candidate Starts for Morrissey_2:

(Start: 118 @537 has 7 MA's), (147, 564), (222, 678), (290, 792), (299, 819), (343, 927), (348, 939), (359, 954), (399, 1002), (401, 1005), (416, 1053), (430, 1116), (448, 1176), (449, 1179), (539, 1293), (546, 1308), (600, 1410), (603, 1416), (619, 1443), (632, 1461), (670, 1509), (672, 1515), (686, 1548), (713, 1587), (715, 1590), (790, 1722), (836, 1791), (837, 1794), (850, 1812), (869, 1848), (915, 1905), (934, 1929), (1048, 2085),

Gene: Mova_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Mova_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (231, 807), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (796, 1881), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Mowgli_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Mowgli_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Moyashi_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Moyashi_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (962, 1791), (967, 1797), (974, 1806), (996, 1836), (1002, 1842), (1023, 1875), (1028, 1881),

Gene: Mozy_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Mozy_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (274, 882), (276, 885), (281, 891), (283, 897), (292, 936), (295, 945), (315, 981), (328, 1023), (353, 1071), (363, 1089), (365, 1092), (400, 1143), (428, 1245), (429, 1248), (430, 1257), (432, 1263), (439, 1278), (443, 1290), (456, 1323), (504, 1398), (505, 1404), (524, 1434), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (667, 1680), (826, 1920), (844, 1935), (847, 1941), (869, 1965), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: MrAK_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for MrAK_2:

(Start: 157 @378 has 40 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (843, 1626), (855, 1647), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: MrBoss_5 Start: 3243, Stop: 4625, Start Num: 218

Candidate Starts for MrBoss_5:

(Start: 79 @3057 has 143 MA's), (218, 3243), (237, 3273), (275, 3324), (285, 3336), (291, 3366), (299, 3390), (310, 3414), (356, 3516), (401, 3597), (416, 3645), (431, 3711), (445, 3759), (448, 3768), (495, 3870), (522, 3900), (600, 4026), (669, 4119), (707, 4191), (730, 4227), (799, 4323), (865, 4389), (901, 4419), (905, 4425), (956, 4491), (1045, 4611),

Gene: MrGloopy_5 Start: 3066, Stop: 4631, Start Num: 79

Candidate Starts for MrGloopy_5:

(Start: 79 @3066 has 143 MA's), (Start: 234 @3276 has 4 MA's), (237, 3279), (275, 3330), (296, 3387), (299, 3396), (310, 3420), (411, 3636), (415, 3648), (416, 3651), (418, 3657), (431, 3717), (449, 3777), (453, 3789), (495, 3876), (522, 3906), (529, 3921), (584, 4002), (630, 4080), (636, 4089), (669, 4125), (686, 4164), (707, 4197), (715, 4206), (730, 4233), (773, 4287), (799, 4329), (852, 4374), (865, 4395), (877, 4419), (956, 4497), (1045, 4617),

Gene: MrGreen_3 Start: 1092, Stop: 2552, Start Num: 107

Candidate Starts for MrGreen_3:

(Start: 107 @1092 has 136 MA's), (Start: 113 @1098 has 2 MA's), (237, 1260), (242, 1269), (278, 1329), (303, 1398), (316, 1419), (331, 1470), (430, 1674), (511, 1809), (553, 1887), (565, 1902), (580, 1938), (599, 1980), (621, 2013), (634, 2031), (710, 2151), (711, 2154), (719, 2166), (770, 2241), (810, 2304), (829, 2322), (831, 2325), (953, 2487), (959, 2496), (964, 2505), (989, 2544),

Gene: MrMagoo_18 Start: 5300, Stop: 6841, Start Num: 102

Candidate Starts for MrMagoo_18:

(Start: 102 @5300 has 21 MA's), (Start: 104 @5303 has 2 MA's), (Start: 235 @5486 has 15 MA's), (251, 5504), (275, 5537), (282, 5546), (299, 5609), (330, 5684), (415, 5837), (425, 5876), (458, 5969), (467, 5990), (558, 6137), (593, 6197), (720, 6371), (768, 6449), (804, 6509), (827, 6536), (1008, 6791),

Gene: MrSmee_2 Start: 424, Stop: 1761, Start Num: 225

Candidate Starts for MrSmee_2:

(Start: 164 @316 has 29 MA's), (Start: 225 @424 has 18 MA's), (229, 430), (247, 466), (251, 472), (330, 658), (335, 667), (414, 805), (418, 820), (426, 853), (428, 862), (429, 865), (439, 895), (440, 898), (442, 904), (443, 907), (458, 943), (574, 1102), (579, 1114), (630, 1210), (664, 1252), (667, 1261), (672, 1273), (717, 1357), (766, 1423), (782, 1453), (784, 1456), (789, 1465), (812, 1492), (834, 1522), (849, 1537), (969, 1693),

Gene: MsGreen_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for MsGreen_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655),

(398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: MsUbiquitous_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for MsUbiquitous_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Mufasa_4 Start: 652, Stop: 2073, Start Num: 162

Candidate Starts for Mufasa_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (361, 1030), (383, 1057), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (464, 1279), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (614, 1510), (670, 1588), (691, 1630), (713, 1660), (764, 1729), (772, 1744), (782, 1762), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (969, 1996), (1025, 2062),

Gene: Mulch_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Mulch_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: MulchExplorer_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for MulchExplorer_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (274, 881), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (328, 1022), (336, 1043), (353, 1070), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102),

Gene: Murai_31 Start: 13308, Stop: 14819, Start Num: 76

Candidate Starts for Murai_31:

(Start: 73 @13305 has 42 MA's), (Start: 76 @13308 has 13 MA's), (Start: 211 @13488 has 3 MA's), (267, 13581), (294, 13656), (310, 13689), (321, 13716), (330, 13746), (415, 13899), (417, 13905), (426, 13941), (428, 13950), (458, 14031), (462, 14040), (464, 14043), (504, 14082), (544, 14139), (564, 14175), (566, 14178), (666, 14334), (670, 14343), (707, 14412), (713, 14421), (717, 14427), (739, 14460), (766, 14496), (825, 14583), (847, 14604), (903, 14667), (904, 14670), (907, 14673), (919, 14691), (938, 14712), (969, 14754), (999, 14790), (1019, 14802),

Gene: Murp_2 Start: 360, Stop: 1931, Start Num: 133

Candidate Starts for Murp_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 576), (282, 597), (315, 696), (327, 732), (330, 744), (355, 786), (360, 798), (383, 825), (416, 903), (446, 1008), (452, 1023), (458, 1038), (460, 1041), (511, 1116), (540, 1167), (639, 1323), (656, 1344), (665, 1362), (667, 1368), (704, 1434), (711, 1446), (735, 1482), (762, 1521), (766, 1530), (768, 1533), (784, 1563), (812, 1602), (862, 1662), (871, 1683), (884, 1704), (908, 1746), (917, 1761), (948, 1797), (1021,

1893), (1030, 1905), (1035, 1914),

Gene: Murucutumbu_8 Start: 1562, Stop: 2983, Start Num: 162

Candidate Starts for Murucutumbu_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (315, 1850), (330, 1901), (361, 1949), (383, 1976), (386, 1979), (415, 2054), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (621, 2441), (670, 2510), (766, 2654), (784, 2687), (825, 2741), (969, 2918), (1025, 2972),

Gene: Muttlie_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Muttlie_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (252, 992), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Mynx_8 Start: 1613, Stop: 3034, Start Num: 162

Candidate Starts for Mynx_8:

(Start: 85 @1541 has 1 MA's), (Start: 153 @1601 has 11 MA's), (Start: 162 @1613 has 165 MA's), (Start: 225 @1724 has 18 MA's), (229, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (330, 1952), (356, 1994), (361, 2000), (383, 2027), (386, 2030), (426, 2147), (428, 2156), (458, 2237), (548, 2351), (574, 2399), (579, 2411), (593, 2441), (612, 2477), (667, 2555), (670, 2561), (766, 2705), (784, 2738), (825, 2792), (969, 2969), (1025, 3023),

Gene: Myram_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Myram_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Naby_3 Start: 778, Stop: 2235, Start Num: 107

Candidate Starts for Naby_3:

(Start: 107 @778 has 136 MA's), (237, 943), (303, 1081), (316, 1102), (327, 1138), (331, 1153), (415, 1294), (430, 1357), (437, 1381), (580, 1621), (599, 1663), (621, 1696), (634, 1714), (710, 1834), (719, 1849), (741, 1885), (770, 1924), (810, 1987), (831, 2008), (953, 2170), (964, 2188),

Gene: Nadeem_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Nadeem_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Namsahir_3 Start: 1095, Stop: 2555, Start Num: 107

Candidate Starts for Namsahir_3:

(Start: 107 @1095 has 136 MA's), (Start: 113 @1101 has 2 MA's), (237, 1263), (242, 1272), (278, 1332), (303, 1401), (316, 1422), (331, 1473), (430, 1677), (511, 1812), (565, 1905), (571, 1923), (580, 1941), (599, 1983), (621, 2016), (634, 2034), (710, 2154), (711, 2157), (719, 2169), (725, 2181), (732, 2193), (770, 2244), (804, 2301), (810, 2307), (816, 2316), (829, 2325), (831, 2328), (953, 2490), (959,

2499), (964, 2508), (989, 2547),

Gene: Nancia_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Nancia_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: NancyRae_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for NancyRae_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (130, 1816), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (483, 2536), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Nandita_6 Start: 1957, Stop: 3657, Start Num: 115

Candidate Starts for Nandita_6:

(72, 1900), (Start: 95 @1936 has 13 MA's), (Start: 115 @1957 has 16 MA's), (199, 2080), (Start: 213 @2101 has 10 MA's), (242, 2149), (278, 2194), (283, 2197), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (358, 2386), (401, 2440), (431, 2554), (449, 2614), (457, 2635), (485, 2701), (553, 2866), (584, 2932), (592, 2947), (678, 3118), (700, 3157), (707, 3166), (715, 3175), (741, 3217), (770, 3250), (794, 3289), (837, 3331), (865, 3373), (913, 3421), (934, 3448), (937, 3451), (942, 3457), (956, 3478), (985, 3520), (1058, 3646),

Gene: Nanosmite_18 Start: 5467, Stop: 7059, Start Num: 102

Candidate Starts for Nanosmite_18:

(Start: 102 @5467 has 21 MA's), (Start: 104 @5470 has 2 MA's), (184, 5572), (Start: 235 @5656 has 15 MA's), (283, 5719), (330, 5854), (331, 5857), (425, 6046), (522, 6241), (530, 6256), (609, 6397), (676, 6514), (720, 6589), (827, 6754), (995, 6988), (1008, 7009),

Gene: Nazo_2 Start: 392, Stop: 2065, Start Num: 56

Candidate Starts for Nazo_2:

(8, 179), (16, 275), (Start: 56 @392 has 50 MA's), (Start: 124 @485 has 1 MA's), (141, 503), (204, 608), (228, 647), (292, 773), (299, 794), (302, 800), (304, 803), (327, 857), (340, 890), (390, 980), (451, 1169), (511, 1265), (540, 1316), (625, 1457), (639, 1469), (667, 1514), (762, 1667), (766, 1676), (779, 1703), (789, 1718), (810, 1745), (825, 1763), (855, 1799), (890, 1862), (944, 1934), (1035, 2048),

Gene: Nebulanyx_4 Start: 607, Stop: 2163, Start Num: 49

Candidate Starts for Nebulanyx_4:

(Start: 49 @607 has 4 MA's), (61, 619), (Start: 95 @658 has 13 MA's), (134, 700), (137, 703), (161, 730), (Start: 213 @811 has 10 MA's), (218, 820), (Start: 234 @847 has 4 MA's), (277, 901), (283, 907), (294, 952), (326, 1027), (327, 1030), (329, 1036), (330, 1042), (331, 1045), (340, 1063), (434, 1273), (492, 1387), (493, 1390), (517, 1417), (520, 1420), (535, 1444), (538, 1453), (570, 1504), (579, 1525), (618, 1597), (635, 1621), (674, 1672), (679, 1687), (686, 1699), (715, 1744), (721, 1756), (860, 1948), (863, 1954), (976, 2101), (982, 2110), (987, 2119),

Gene: Necropolis_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Necropolis_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511,

1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Neighly_6 Start: 1146, Stop: 2516, Start Num: 198

Candidate Starts for Neighly_6:

(Start: 168 @1089 has 24 MA's), (198, 1146), (Start: 211 @1167 has 3 MA's), (Start: 225 @1191 has 18 MA's), (279, 1275), (283, 1284), (285, 1290), (302, 1350), (315, 1368), (330, 1419), (355, 1458), (415, 1572), (426, 1614), (428, 1623), (429, 1626), (458, 1704), (548, 1818), (574, 1866), (579, 1878), (593, 1908), (612, 1944), (630, 1971), (670, 2028), (713, 2112), (727, 2136), (782, 2214), (825, 2271), (849, 2295), (869, 2319), (969, 2448), (1025, 2505),

Gene: Nekros_8 Start: 3575, Stop: 5107, Start Num: 167

Candidate Starts for Nekros_8:

(Start: 94 @3491 has 4 MA's), (131, 3533), (139, 3542), (Start: 167 @3575 has 21 MA's), (Start: 235 @3689 has 15 MA's), (268, 3752), (284, 3785), (285, 3788), (296, 3833), (328, 3908), (398, 4019), (400, 4022), (410, 4058), (420, 4091), (546, 4340), (579, 4403), (592, 4430), (617, 4475), (680, 4589), (704, 4625), (725, 4655), (730, 4664), (766, 4718), (777, 4742), (969, 4976), (977, 4988),

Gene: Nenae_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Nenae_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Neoh_2 Start: 456, Stop: 1892, Start Num: 170

Candidate Starts for Neoh_2:

(Start: 74 @360 has 22 MA's), (Start: 170 @456 has 43 MA's), (Start: 172 @459 has 3 MA's), (Start: 189 @495 has 1 MA's), (Start: 211 @534 has 3 MA's), (295, 696), (330, 783), (335, 792), (343, 810), (355, 822), (417, 942), (426, 978), (430, 999), (439, 1020), (458, 1068), (462, 1077), (574, 1230), (602, 1290), (614, 1308), (655, 1359), (670, 1386), (676, 1401), (677, 1404), (732, 1485), (763, 1530), (810, 1605), (825, 1623), (846, 1644), (889, 1689), (900, 1707), (903, 1710), (969, 1803), (1028, 1884),

Gene: Nettuno_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Nettuno_2:

(Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Netyap_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Netyap_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: NeumannU_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for NeumannU_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Neuville_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for Neuville_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: Neville_12 Start: 4818, Stop: 6263, Start Num: 158

Candidate Starts for Neville_12:

(Start: 158 @4818 has 9 MA's), (281, 5004), (316, 5097), (346, 5178), (357, 5190), (384, 5229), (398, 5247), (404, 5256), (426, 5340), (428, 5349), (447, 5409), (457, 5427), (530, 5547), (543, 5574), (583, 5643), (607, 5673), (657, 5739), (710, 5844), (768, 5931), (784, 5955), (812, 5994), (863, 6057), (892, 6108), (949, 6165),

Gene: Nibb_7 Start: 1575, Stop: 2999, Start Num: 162

Candidate Starts for Nibb_7:

(Start: 162 @1575 has 165 MA's), (198, 1641), (Start: 211 @1662 has 3 MA's), (Start: 225 @1686 has 18 MA's), (249, 1731), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (315, 1863), (330, 1914), (355, 1953), (383, 1989), (415, 2067), (426, 2109), (428, 2118), (458, 2199), (548, 2313), (572, 2355), (574, 2361), (579, 2373), (593, 2403), (612, 2439), (621, 2454), (670, 2523), (691, 2565), (713, 2595), (764, 2664), (782, 2697), (784, 2700), (825, 2754), (854, 2787), (969, 2931), (1025, 2988),

Gene: Niblet_3 Start: 749, Stop: 2329, Start Num: 150

Candidate Starts for Niblet_3:

(Start: 84 @689 has 12 MA's), (Start: 150 @749 has 12 MA's), (Start: 213 @845 has 10 MA's), (218, 854), (Start: 224 @863 has 1 MA's), (237, 884), (275, 935), (294, 986), (299, 1001), (321, 1046), (419, 1247), (431, 1298), (438, 1322), (449, 1358), (457, 1379), (482, 1439), (493, 1469), (498, 1478), (536, 1541), (662, 1751), (669, 1769), (705, 1835), (707, 1841), (715, 1850), (732, 1880), (768, 1919), (818, 1997), (850, 2042), (857, 2054), (934, 2168), (985, 2237), (987, 2243), (994, 2255), (1003, 2264), (1047, 2318),

Gene: Nibley_6 Start: 2259, Stop: 3791, Start Num: 167

Candidate Starts for Nibley_6:

(Start: 94 @2175 has 4 MA's), (131, 2217), (139, 2226), (Start: 167 @2259 has 21 MA's), (Start: 235 @2373 has 15 MA's), (284, 2469), (285, 2472), (294, 2511), (296, 2517), (328, 2592), (330, 2601), (398, 2703), (400, 2706), (410, 2742), (420, 2775), (546, 3024), (579, 3087), (592, 3114), (617, 3159), (680, 3273), (704, 3309), (725, 3339), (730, 3348), (766, 3402), (777, 3426), (969, 3660), (977, 3672),

Gene: Nicholas_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Nicholas_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: Nicholasp3_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Nicholasp3_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963),

(558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Nicky22_4 Start: 1151, Stop: 2779, Start Num: 135

Candidate Starts for Nicky22_4:

(Start: 135 @1151 has 81 MA's), (242, 1307), (299, 1415), (310, 1439), (329, 1484), (335, 1499), (401, 1598), (417, 1649), (431, 1712), (445, 1760), (455, 1790), (715, 2261), (956, 2612), (987, 2660), (1058, 2768),

Gene: NiebruSaylor_30 Start: 13116, Stop: 14630, Start Num: 73

Candidate Starts for NiebruSaylor_30:

(Start: 73 @13116 has 42 MA's), (Start: 76 @13119 has 13 MA's), (Start: 211 @13299 has 3 MA's), (267, 13392), (294, 13467), (310, 13500), (321, 13527), (330, 13557), (415, 13710), (417, 13716), (426, 13752), (428, 13761), (458, 13842), (462, 13851), (464, 13854), (504, 13893), (544, 13950), (564, 13986), (566, 13989), (666, 14145), (670, 14154), (707, 14223), (713, 14232), (717, 14238), (739, 14271), (766, 14307), (825, 14394), (847, 14415), (903, 14478), (904, 14481), (907, 14484), (919, 14502), (938, 14523), (969, 14565), (999, 14601), (1019, 14613),

Gene: Niffler_3 Start: 1152, Stop: 2612, Start Num: 107

Candidate Starts for Niffler_3:

(Start: 107 @1152 has 136 MA's), (Start: 113 @1158 has 2 MA's), (237, 1320), (242, 1329), (278, 1389), (303, 1458), (316, 1479), (331, 1530), (430, 1734), (511, 1869), (553, 1947), (565, 1962), (571, 1980), (580, 1998), (599, 2040), (621, 2073), (634, 2091), (710, 2211), (711, 2214), (719, 2226), (725, 2238), (732, 2250), (770, 2301), (804, 2358), (810, 2364), (816, 2373), (829, 2382), (831, 2385), (953, 2547), (959, 2556), (964, 2565), (989, 2604),

Gene: Nikao_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Nikao_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: Niklas_8 Start: 1660, Stop: 3090, Start Num: 162

Candidate Starts for Niklas_8:

(105, 1618), (Start: 153 @1648 has 11 MA's), (Start: 162 @1660 has 165 MA's), (Start: 211 @1750 has 3 MA's), (Start: 225 @1774 has 18 MA's), (229, 1780), (249, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (330, 2002), (361, 2050), (426, 2197), (428, 2206), (503, 2335), (548, 2401), (572, 2443), (574, 2449), (579, 2461), (593, 2491), (604, 2515), (621, 2542), (670, 2611), (691, 2653), (713, 2683), (727, 2707), (766, 2755), (804, 2818), (825, 2842), (869, 2893), (904, 2932), (969, 3022), (1003, 3061), (1025, 3079), (1029, 3085),

Gene: Nobel_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for Nobel_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (732, 2277), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Noelani_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for Noelani_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571, 1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: Noely_2 Start: 539, Stop: 2110, Start Num: 49

Candidate Starts for Noely_2:

(33, 521), (Start: 49 @539 has 4 MA's), (134, 644), (137, 647), (161, 674), (206, 743), (Start: 213 @755 has 10 MA's), (218, 764), (Start: 234 @791 has 4 MA's), (277, 845), (283, 851), (326, 971), (327, 974), (329, 980), (330, 986), (331, 989), (336, 998), (401, 1097), (434, 1217), (493, 1334), (520, 1364), (535, 1388), (570, 1448), (579, 1469), (635, 1565), (674, 1616), (679, 1631), (686, 1643), (690, 1649), (715, 1691), (762, 1754), (791, 1811), (860, 1895), (976, 2048), (982, 2057), (987, 2066),

Gene: November_6 Start: 1241, Stop: 2665, Start Num: 162

Candidate Starts for November_6:

(Start: 85 @1169 has 1 MA's), (Start: 108 @1202 has 52 MA's), (Start: 153 @1229 has 11 MA's), (Start: 162 @1241 has 165 MA's), (Start: 211 @1328 has 3 MA's), (Start: 225 @1352 has 18 MA's), (279, 1436), (283, 1445), (295, 1493), (302, 1511), (315, 1529), (330, 1580), (361, 1628), (383, 1655), (426, 1775), (428, 1784), (429, 1787), (439, 1817), (458, 1865), (548, 1979), (593, 2069), (621, 2120), (640, 2141), (670, 2189), (691, 2231), (713, 2261), (727, 2285), (766, 2333), (825, 2420), (969, 2597), (1025, 2654), (1029, 2660),

Gene: NovoPizza_3 Start: 1933, Stop: 3579, Start Num: 73

Candidate Starts for NovoPizza_3:

(35, 1885), (46, 1897), (68, 1924), (Start: 73 @1933 has 42 MA's), (140, 2005), (Start: 157 @2020 has 40 MA's), (169, 2035), (179, 2053), (212, 2122), (257, 2191), (280, 2230), (315, 2320), (327, 2356), (358, 2419), (402, 2497), (447, 2656), (458, 2683), (460, 2686), (464, 2695), (499, 2761), (540, 2812), (639, 2971), (641, 2974), (648, 2977), (667, 3016), (672, 3028), (704, 3082), (721, 3112), (732, 3127), (741, 3139), (762, 3169), (784, 3211), (788, 3217), (789, 3220), (825, 3265), (830, 3271), (854, 3298), (863, 3313), (890, 3364), (929, 3421), (948, 3445), (956, 3460), (958, 3463), (1013, 3526), (1034, 3559),

Gene: Nubia_5 Start: 3068, Stop: 4633, Start Num: 79

Candidate Starts for Nubia_5:

(Start: 79 @3068 has 143 MA's), (Start: 213 @3242 has 10 MA's), (Start: 234 @3278 has 4 MA's), (275, 3332), (284, 3341), (290, 3371), (291, 3374), (296, 3389), (299, 3398), (356, 3524), (416, 3653), (418, 3659), (431, 3719), (449, 3779), (495, 3878), (522, 3908), (529, 3923), (570, 3971), (636, 4091), (686, 4166), (730, 4235), (785, 4310), (799, 4331), (836, 4352), (877, 4421), (956, 4499), (982, 4538), (1003, 4568), (1015, 4580), (1045, 4619), (1050, 4628),

Gene: Nutello_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Nutello_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: OBUpride_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for OBUpride_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: ODay_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for ODay_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: OMalley_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for OMalley_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (299, 759), (310, 783), (331, 837), (401, 966), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (584, 1365), (636, 1452), (686, 1527), (688, 1530), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: Oaklynn_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Oaklynn_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (511, 1791), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Obliviate_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Obliviate_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (414, 891), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911),

Gene: OctaviousRex_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for OctaviousRex_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Octobien14_13 Start: 6018, Stop: 7493, Start Num: 158

Candidate Starts for Octobien14_13:

(Start: 158 @6018 has 9 MA's), (251, 6165), (281, 6204), (285, 6216), (329, 6339), (398, 6480), (400, 6483), (418, 6540), (428, 6582), (430, 6594), (440, 6618), (447, 6642), (455, 6657), (457, 6660), (467, 6684), (558, 6828), (563, 6837), (577, 6858), (607, 6906), (663, 6981), (665, 6987), (682, 7032), (697, 7056), (704, 7065), (715, 7083), (725, 7101), (782, 7182), (789, 7194), (812, 7224), (816, 7230), (884, 7320), (892, 7338), (981, 7437), (996, 7455), (1018, 7485),

Gene: Octopus_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Octopus_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: OdetoJoy_3 Start: 1155, Stop: 2615, Start Num: 107

Candidate Starts for OdetoJoy_3:

(Start: 107 @1155 has 136 MA's), (Start: 113 @1161 has 2 MA's), (237, 1323), (242, 1332), (278, 1392), (303, 1461), (316, 1482), (331, 1533), (430, 1737), (511, 1872), (553, 1950), (565, 1965), (580, 2001), (599, 2043), (621, 2076), (634, 2094), (710, 2214), (711, 2217), (719, 2229), (770, 2304), (810, 2367), (829, 2385), (831, 2388), (953, 2550), (959, 2559), (964, 2568),

Gene: Ogopogo_4 Start: 925, Stop: 2445, Start Num: 151

Candidate Starts for Ogopogo_4:

(Start: 118 @913 has 7 MA's), (Start: 151 @925 has 89 MA's), (Start: 225 @1051 has 18 MA's), (231, 1060), (256, 1105), (274, 1135), (276, 1138), (281, 1144), (292, 1189), (300, 1213), (353, 1324), (363, 1342), (365, 1345), (383, 1369), (400, 1396), (417, 1453), (426, 1489), (428, 1498), (430, 1510), (432, 1516), (439, 1531), (443, 1543), (456, 1576), (459, 1582), (478, 1618), (505, 1657), (524, 1687), (526, 1690), (576, 1786), (579, 1795), (591, 1822), (645, 1906), (662, 1921), (727, 2032), (732, 2041), (739, 2050), (782, 2113), (844, 2188), (851, 2200), (869, 2218), (903, 2254), (938, 2296), (943, 2302), (969, 2344), (975, 2356), (984, 2368), (1040, 2434),

Gene: OhShagHennessy_4 Start: 1031, Stop: 2608, Start Num: 82

Candidate Starts for OhShagHennessy_4:

(Start: 79 @1025 has 143 MA's), (Start: 82 @1031 has 6 MA's), (203, 1202), (267, 1289), (281, 1307), (283, 1313), (291, 1349), (354, 1487), (355, 1490), (398, 1565), (416, 1622), (417, 1625), (477, 1793), (516, 1847), (522, 1856), (530, 1871), (540, 1892), (563, 1931), (577, 1952), (579, 1958), (595, 1985), (624, 2027), (653, 2051), (664, 2069), (667, 2078), (670, 2084), (682, 2117), (704, 2150), (727, 2189), (730, 2195), (732, 2198), (768, 2243), (810, 2309), (854, 2360), (866, 2384), (877, 2399), (879, 2402), (969, 2504), (991, 2531), (1028, 2582), (1029, 2585),

Gene: Ohgeesy_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Ohgeesy_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (493, 1071), (540, 1137), (562, 1179), (610, 1257), (627, 1281), (639, 1293), (654, 1314), (667, 1338), (670, 1344), (677, 1365), (732, 1458), (763, 1500), (766, 1506), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (994, 1827), (1015, 1857),

Gene: OkiRoe_6 Start: 1327, Stop: 2754, Start Num: 168

Candidate Starts for OkiRoe_6:

(77, 1234), (Start: 168 @1327 has 24 MA's), (198, 1384), (Start: 211 @1405 has 3 MA's), (Start: 225 @1429 has 18 MA's), (279, 1513), (283, 1522), (285, 1528), (295, 1570), (302, 1588), (315, 1606), (330, 1657), (383, 1732), (415, 1810), (426, 1852), (428, 1861), (429, 1864), (458, 1942), (548, 2056), (574, 2104), (593, 2146), (604, 2170), (612, 2182), (630, 2209), (665, 2254), (670, 2266), (762, 2413), (782, 2452), (825, 2509), (849, 2533), (869, 2557), (893, 2581), (965, 2680), (969, 2686), (1025, 2743),

Gene: Oksu_3 Start: 798, Stop: 2159, Start Num: 225

Candidate Starts for Oksu_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (417, 1200), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Olga_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Olga_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Olliecat_3 Start: 953, Stop: 2530, Start Num: 135

Candidate Starts for Olliecat_3:

(Start: 135 @953 has 81 MA's), (Start: 158 @980 has 9 MA's), (218, 1070), (242, 1109), (278, 1154), (299, 1217), (307, 1232), (331, 1295), (417, 1451), (431, 1514), (448, 1571), (449, 1574), (455, 1592), (462, 1607), (576, 1829), (606, 1892), (621, 1916), (664, 1967), (665, 1970), (669, 1979), (678, 2003), (713, 2057), (730, 2087), (770, 2135), (877, 2273), (921, 2345), (985, 2432), (994, 2450), (1052, 2522),

Gene: OmniCritical_9 Start: 2570, Stop: 3910, Start Num: 225

Candidate Starts for OmniCritical_9:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (291, 2699), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: Omnicron_6 Start: 1387, Stop: 2814, Start Num: 168

Candidate Starts for Omnicron_6:

(Start: 153 @1366 has 11 MA's), (Start: 168 @1387 has 24 MA's), (198, 1444), (Start: 211 @1465 has 3 MA's), (Start: 225 @1489 has 18 MA's), (279, 1573), (283, 1582), (295, 1630), (302, 1648), (315, 1666), (330, 1717), (337, 1732), (383, 1792), (415, 1870), (426, 1912), (428, 1921), (429, 1924), (442, 1963), (458, 2002), (548, 2116), (564, 2146), (574, 2164), (593, 2206), (612, 2242), (630, 2269), (670, 2326), (713, 2410), (782, 2512), (789, 2524), (825, 2569), (849, 2593), (869, 2617), (969, 2746), (1025, 2803),

Gene: OneDirection_2 Start: 438, Stop: 1937, Start Num: 153

Candidate Starts for OneDirection_2:

(125, 423), (131, 429), (Start: 153 @438 has 11 MA's), (Start: 181 @474 has 1 MA's), (Start: 189 @498 has 1 MA's), (204, 525), (Start: 211 @537 has 3 MA's), (218, 549), (281, 651), (282, 654), (287, 675), (315, 741), (316, 744), (330, 792), (335, 801), (336, 804), (400, 912), (410, 948), (417, 969), (428, 1014), (429, 1017), (440, 1059), (443, 1068), (504, 1155), (541, 1206), (570, 1257), (574, 1266), (576, 1269), (591, 1308), (593, 1311), (610, 1341), (663, 1401), (667, 1413), (670, 1419), (711, 1491), (714, 1494), (766, 1566), (779, 1593), (784, 1596), (841, 1659), (847, 1668), (885, 1731), (897, 1755), (905, 1767), (908, 1770), (957, 1836), (962, 1845), (965, 1848), (969, 1854), (972, 1860), (1025, 1926),

Gene: Opie_2 Start: 520, Stop: 2169, Start Num: 94

Candidate Starts for Opie_2:

(Start: 94 @520 has 4 MA's), (120, 550), (140, 571), (238, 721), (257, 754), (330, 931), (335, 940), (388, 1054), (431, 1189), (493, 1324), (502, 1339), (540, 1390), (562, 1432), (639, 1546), (649, 1564), (654, 1567), (732, 1711), (739, 1720), (810, 1831), (825, 1849), (877, 1921), (895, 1957), (939, 2011), (977, 2071), (1009, 2122),

Gene: Oppalora_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for Oppalora_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Orcanus_3 Start: 751, Stop: 2331, Start Num: 150

Candidate Starts for Orcanus_3:

(Start: 84 @685 has 12 MA's), (Start: 150 @751 has 12 MA's), (Start: 213 @847 has 10 MA's), (218, 856), (Start: 224 @865 has 1 MA's), (237, 886), (248, 910), (275, 937), (285, 949), (293, 985), (299, 1003), (310, 1027), (321, 1048), (401, 1186), (419, 1249), (431, 1300), (436, 1318), (449, 1360), (457, 1381), (482, 1441), (493, 1471), (498, 1480), (536, 1543), (669, 1771), (686, 1810), (705, 1837), (715, 1852), (732, 1882), (768, 1921), (818, 1999), (840, 2029), (857, 2056), (985, 2239), (987, 2245), (1003, 2266), (1047, 2320),

Gene: Oregano_2 Start: 348, Stop: 1907, Start Num: 108

Candidate Starts for Oregano_2:

(67, 288), (Start: 108 @348 has 52 MA's), (190, 456), (238, 534), (257, 567), (292, 651), (295, 660), (315, 696), (336, 756), (398, 846), (400, 849), (426, 942), (428, 951), (431, 966), (493, 1101), (540, 1167), (562, 1209), (604, 1278), (608, 1284), (639, 1323), (654, 1344), (670, 1374), (677, 1395), (707, 1440), (730, 1476), (732, 1479), (763, 1521), (855, 1650), (885, 1701), (975, 1830), (1033, 1890),

Gene: Oscar_7 Start: 1482, Stop: 2906, Start Num: 162

Candidate Starts for Oscar_7:

(Start: 162 @1482 has 165 MA's), (Start: 211 @1569 has 3 MA's), (Start: 225 @1593 has 18 MA's), (229, 1599), (279, 1677), (283, 1686), (285, 1692), (295, 1734), (302, 1752), (315, 1770), (330, 1821), (355, 1860), (383, 1896), (415, 1974), (426, 2016), (428, 2025), (458, 2106), (548, 2220), (572, 2262), (574, 2268), (579, 2280), (593, 2310), (604, 2334), (612, 2346), (621, 2361), (670, 2430), (691, 2472), (764, 2571), (782, 2604), (784, 2607), (810, 2643), (825, 2661), (1025, 2895),

Gene: OtsoOtso_3 Start: 849, Stop: 2330, Start Num: 213

Candidate Starts for OtsoOtso_3:

(Start: 84 @684 has 12 MA's), (Start: 213 @849 has 10 MA's), (237, 888), (275, 939), (285, 951), (293, 987), (299, 1005), (401, 1188), (431, 1302), (435, 1314), (449, 1362), (457, 1383), (464, 1398), (490, 1455), (669, 1770), (705, 1836), (732, 1881), (768, 1920), (773, 1932), (818, 1998), (840, 2028), (866, 2073), (895, 2115), (913, 2142), (915, 2145), (985, 2238), (987, 2244), (1003, 2265), (1015, 2277), (1045, 2316), (1047, 2319),

Gene: Otwor_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Otwor_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: OurGirlNessie_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for OurGirlNessie_2:

(Start: 79 @426 has 143 MA's), (180, 549), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Ouroboros_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Ouroboros_2:

(Start: 157 @378 has 40 MA's), (Start: 164 @387 has 29 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (457, 1041), (458, 1044), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (652, 1335), (664, 1356), (679, 1398), (704, 1440), (720, 1467), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (801, 1584), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (864, 1656), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (991, 1827), (995, 1833), (1023, 1875), (1028, 1881),

Gene: OverPar_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for OverPar_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Owens_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Owens_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: OwlsT2W_3 Start: 797, Stop: 2158, Start Num: 225

Candidate Starts for OwlsT2W_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Oxyntfrius_5 Start: 3081, Stop: 4646, Start Num: 79

Candidate Starts for Oxyntfrius_5:

(Start: 79 @3081 has 143 MA's), (Start: 213 @3255 has 10 MA's), (Start: 234 @3291 has 4 MA's), (275, 3345), (284, 3354), (291, 3387), (296, 3402), (299, 3411), (356, 3537), (411, 3651), (416, 3666), (418, 3672), (431, 3732), (495, 3891), (522, 3921), (570, 3984), (584, 4017), (636, 4104), (686, 4179), (707, 4212), (730, 4248), (785, 4323), (799, 4344), (836, 4365), (877, 4434), (956, 4512), (982, 4551), (1003, 4581), (1015, 4593), (1045, 4632), (1050, 4641),

Gene: P1.1_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P1.1_2:

(Start: 157 @378 has 40 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (561, 1191), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: P100.1_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P100.1_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P100A_2 Start: 383, Stop: 1894, Start Num: 157

Candidate Starts for P100A_2:

(Start: 157 @383 has 40 MA's), (186, 440), (217, 485), (238, 512), (240, 515), (278, 563), (283, 572), (285, 578), (291, 608), (294, 617), (296, 623), (315, 656), (321, 674), (329, 698), (330, 704), (347, 743), (350, 752), (352, 755), (404, 866), (412, 902), (416, 911), (417, 914), (422, 935), (426, 950), (428, 959), (442, 1010), (451, 1031), (457, 1046), (458, 1049), (460, 1052), (513, 1139), (553, 1184), (570, 1211), (579, 1232), (617, 1292), (638, 1319), (658, 1349), (667, 1370), (711, 1457), (730, 1490), (741, 1502), (749, 1508), (764, 1535), (774, 1556), (775, 1559), (777, 1562), (790, 1574), (819, 1610), (843, 1631), (872, 1673), (891, 1709), (893, 1712), (900, 1724), (917, 1736), (962, 1796), (967, 1802), (974, 1811), (984, 1826), (1023, 1880), (1028, 1886),

Gene: P100D_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for P100D_2:

(Start: 157 @373 has 40 MA's), (174, 397), (Start: 181 @412 has 1 MA's), (186, 430), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (469, 1063), (513, 1129), (531, 1150), (553, 1174), (561, 1186), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (720, 1462), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (817, 1597), (843, 1621), (872, 1663), (891, 1699), (893, 1702), (917, 1726), (962, 1786), (967, 1792), (974, 1801), (1023, 1870), (1028, 1876),

Gene: P101A_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P101A_2:

(Start: 157 @378 has 40 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (570, 1206), (579, 1227), (620, 1293),

(648, 1326), (664, 1356), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (962, 1791), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: P104A_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P104A_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P104B_2 Start: 385, Stop: 1884, Start Num: 167

Candidate Starts for P104B_2:

(Start: 155 @370 has 6 MA's), (Start: 157 @373 has 40 MA's), (Start: 167 @385 has 21 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (451, 1021), (458, 1039), (460, 1042), (464, 1048), (513, 1129), (531, 1150), (553, 1174), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (817, 1597), (838, 1615), (843, 1621), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (995, 1828), (1023, 1870), (1028, 1876),

Gene: P105_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for P105_2:

(Start: 157 @373 has 40 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (263, 523), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (398, 847), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (451, 1021), (458, 1039), (460, 1042), (464, 1048), (469, 1063), (513, 1129), (531, 1150), (553, 1174), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (679, 1393), (704, 1435), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (819, 1600), (838, 1615), (843, 1621), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (995, 1828), (1023, 1870), (1028, 1876),

Gene: P106A_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P106A_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (579, 1227), (620, 1293), (648, 1326), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P106C_2 Start: 390, Stop: 1889, Start Num: 167

Candidate Starts for P106C_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (579, 1227), (620, 1293), (648, 1326), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P106I_2 Start: 390, Stop: 1889, Start Num: 167

Candidate Starts for P106I_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (579, 1227), (620, 1293), (648, 1326), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P106L_2 Start: 390, Stop: 1889, Start Num: 167

Candidate Starts for P106L_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (579, 1227), (620, 1293), (648, 1326), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P106M_2 Start: 390, Stop: 1889, Start Num: 167

Candidate Starts for P106M_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (579, 1227), (620, 1293), (648, 1326), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P107A_2 Start: 386, Stop: 1897, Start Num: 157

Candidate Starts for P107A_2:

(Start: 157 @386 has 40 MA's), (Start: 164 @395 has 29 MA's), (Start: 181 @425 has 1 MA's), (186, 443), (217, 488), (238, 515), (240, 518), (263, 536), (278, 566), (283, 575), (285, 581), (291, 611), (294, 620), (296, 626), (315, 659), (321, 677), (329, 701), (330, 707), (347, 746), (350, 755), (352, 758), (372,

797), (374, 800), (404, 869), (416, 914), (417, 917), (422, 938), (426, 953), (428, 962), (430, 974), (442, 1013), (451, 1034), (457, 1049), (458, 1052), (460, 1055), (464, 1061), (531, 1163), (561, 1199), (579, 1235), (620, 1301), (664, 1364), (677, 1400), (679, 1406), (741, 1505), (749, 1511), (764, 1538), (774, 1559), (775, 1562), (777, 1565), (790, 1577), (801, 1592), (816, 1607), (817, 1610), (843, 1634), (855, 1655), (864, 1664), (891, 1712), (893, 1715), (900, 1727), (917, 1739), (967, 1805), (974, 1814), (977, 1820), (984, 1829), (1023, 1883), (1028, 1889),

Gene: P107C_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P107C_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: P108C_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P108C_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (664, 1356), (679, 1398), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (777, 1557), (817, 1602), (838, 1620), (843, 1626), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (974, 1806), (1002, 1842), (1023, 1875), (1028, 1881),

Gene: P14.4_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for P14.4_2:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (469, 1068), (513, 1134), (519, 1143), (531, 1155), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (777, 1557), (790, 1569), (817, 1602), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (967, 1797), (974, 1806), (977, 1812), (991, 1827), (995, 1833), (1023, 1875), (1028, 1881),

Gene: P3MA_3 Start: 954, Stop: 2408, Start Num: 167

Candidate Starts for P3MA_3:

(Start: 167 @954 has 21 MA's), (Start: 211 @1038 has 3 MA's), (282, 1149), (283, 1152), (291, 1188), (310, 1230), (315, 1236), (335, 1296), (386, 1365), (414, 1434), (417, 1446), (422, 1467), (428, 1491), (432, 1509), (442, 1533), (443, 1536), (458, 1572), (462, 1581), (507, 1656), (532, 1683), (570, 1746), (572, 1749), (581, 1776), (612, 1836), (670, 1917), (722, 2004), (766, 2058), (782, 2088), (825, 2145), (954, 2298), (965, 2316), (1025, 2397), (1028, 2400),

Gene: P9.1_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for P9.1_2:

(Start: 157 @373 has 40 MA's), (174, 397), (Start: 181 @412 has 1 MA's), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (321,

664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (398, 847), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (513, 1129), (531, 1150), (579, 1222), (620, 1288), (648, 1321), (679, 1393), (704, 1435), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (819, 1600), (838, 1615), (843, 1621), (872, 1663), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (995, 1828), (1023, 1870), (1028, 1876),

Gene: PA6_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PA6_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: PAD20_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PAD20_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (962, 1791), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: PAS50_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PAS50_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (696, 1428), (720, 1467), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: PCoral7_2 Start: 378, Stop: 1928, Start Num: 151

Candidate Starts for PCoral7_2:

(121, 348), (127, 354), (Start: 133 @360 has 34 MA's), (Start: 136 @363 has 13 MA's), (Start: 151 @378 has 89 MA's), (188, 441), (209, 477), (217, 492), (226, 504), (238, 519), (257, 552), (270, 573), (282, 594), (291, 633), (299, 657), (315, 693), (330, 741), (355, 783), (360, 795), (416, 900), (452, 1020), (458, 1035), (511, 1113), (533, 1146), (540, 1164), (639, 1320), (665, 1359), (704, 1431), (735, 1479), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (825, 1614), (884, 1701), (908, 1743), (948, 1794), (1035, 1911), (1038, 1917),

Gene: PFR1_02 Start: 407, Stop: 1978, Start Num: 138

Candidate Starts for PFR1_02:

(138, 407), (147, 416), (245, 572), (278, 608), (285, 617), (299, 671), (310, 695), (327, 734), (396, 854), (401, 863), (414, 905), (415, 911), (416, 914), (433, 986), (448, 1037), (449, 1040), (453, 1052), (455, 1058), (457, 1061), (470, 1094), (490, 1136), (499, 1160), (670, 1451), (672, 1457), (692, 1499), (707, 1523), (713, 1529), (715, 1532), (730, 1559), (768, 1601), (772, 1610), (773, 1613), (831, 1667), (850, 1694), (869, 1730), (901, 1763), (934, 1808), (985, 1880), (1010, 1910), (1048, 1964),

Gene: PFR2_02 Start: 407, Stop: 1978, Start Num: 138

Candidate Starts for PFR2_02:

(138, 407), (147, 416), (245, 572), (278, 608), (285, 617), (299, 671), (310, 695), (327, 734), (396, 854), (401, 863), (414, 905), (415, 911), (416, 914), (433, 986), (448, 1037), (449, 1040), (453, 1052), (455, 1058), (457, 1061), (470, 1094), (490, 1136), (499, 1160), (670, 1451), (672, 1457), (692, 1499), (707, 1523), (713, 1529), (715, 1532), (730, 1559), (768, 1601), (772, 1610), (773, 1613), (831, 1667), (850, 1694), (869, 1730), (901, 1763), (934, 1808), (985, 1880), (1010, 1910), (1048, 1964),

Gene: PHL010M04_02 Start: 377, Stop: 1888, Start Num: 157

Candidate Starts for PHL010M04_02:

(Start: 157 @377 has 40 MA's), (Start: 164 @386 has 29 MA's), (Start: 181 @416 has 1 MA's), (186, 434), (217, 479), (238, 506), (240, 509), (271, 545), (278, 557), (283, 566), (285, 572), (291, 602), (294, 611), (296, 617), (315, 650), (321, 668), (329, 692), (347, 737), (350, 746), (352, 749), (372, 788), (374, 791), (404, 860), (416, 905), (417, 908), (422, 929), (426, 944), (428, 953), (430, 965), (442, 1004), (451, 1025), (457, 1040), (458, 1043), (464, 1052), (513, 1133), (570, 1205), (579, 1226), (617, 1286), (620, 1292), (652, 1334), (664, 1355), (679, 1397), (711, 1451), (749, 1502), (764, 1529), (774, 1550), (790, 1568), (801, 1583), (816, 1598), (819, 1604), (864, 1655), (891, 1703), (893, 1706), (900, 1718), (967, 1796), (974, 1805), (991, 1826), (995, 1832), (1023, 1874), (1028, 1880),

Gene: PHL037M02_02 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PHL037M02_02:

(Start: 157 @378 has 40 MA's), (174, 402), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (219, 483), (238, 507), (240, 510), (278, 558), (283, 567), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (469, 1068), (531, 1155), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (720, 1467), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (817, 1602), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (967, 1797), (974, 1806), (1023, 1875), (1028, 1881),

Gene: PHL060L00_02 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for PHL060L00_02:

(Start: 155 @370 has 6 MA's), (Start: 157 @373 has 40 MA's), (Start: 167 @385 has 21 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (457, 1036), (458, 1039), (460, 1042), (469, 1063), (513, 1129), (553, 1174), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (656, 1336), (704, 1435), (725, 1471), (730, 1480), (741, 1492), (749, 1498), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (816, 1594), (819, 1600), (838, 1615), (843, 1621), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (995, 1828), (1023, 1870), (1028, 1876),

Gene: PHL067M10_02 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PHL067M10_02:

(Start: 157 @378 has 40 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699),

(347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (398, 852), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (469, 1068), (513, 1134), (553, 1179), (570, 1206), (579, 1227), (620, 1293), (648, 1326), (679, 1398), (696, 1428), (704, 1440), (725, 1476), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (872, 1668), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: PHL071N05_02 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for PHL071N05_02:

(Start: 157 @373 has 40 MA's), (174, 397), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (398, 847), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (469, 1063), (513, 1129), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (817, 1597), (838, 1615), (843, 1621), (874, 1666), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (984, 1816), (1023, 1870), (1028, 1876),

Gene: PHL111M01_02 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PHL111M01_02:

(Start: 157 @378 has 40 MA's), (Start: 167 @390 has 21 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (457, 1041), (458, 1044), (460, 1047), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (664, 1356), (679, 1398), (696, 1428), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (843, 1626), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (1002, 1842), (1023, 1875), (1028, 1881),

Gene: PHL112N00_02 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PHL112N00_02:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (263, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (469, 1068), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (648, 1326), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (843, 1626), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (984, 1821), (1023, 1875), (1028, 1881),

Gene: PHL113M01_02 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for PHL113M01_02:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (457, 1041), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (531, 1155), (553, 1179), (579, 1227), (620, 1293), (648, 1326), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (749, 1503), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (819, 1605), (838, 1620), (843, 1626), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1002, 1842), (1023, 1875), (1028, 1881),

Gene: PHL114L00_02 Start: 386, Stop: 1897, Start Num: 157

Candidate Starts for PHL114L00_02:

(Start: 157 @386 has 40 MA's), (186, 443), (217, 488), (238, 515), (240, 518), (278, 566), (283, 575), (285, 581), (291, 611), (294, 620), (296, 626), (315, 659), (321, 677), (329, 701), (330, 707), (350, 755), (352, 758), (372, 797), (374, 800), (404, 869), (416, 914), (417, 917), (422, 938), (426, 953), (428, 962), (451, 1034), (457, 1049), (458, 1052), (460, 1055), (531, 1163), (570, 1214), (579, 1235), (620, 1301), (664, 1364), (679, 1406), (704, 1448), (725, 1484), (741, 1505), (749, 1511), (764, 1538), (774, 1559), (775, 1562), (777, 1565), (790, 1577), (816, 1607), (817, 1610), (838, 1628), (843, 1634), (864, 1664), (874, 1679), (891, 1712), (893, 1715), (900, 1727), (967, 1805), (974, 1814), (977, 1820), (984, 1829), (996, 1844), (1023, 1883), (1028, 1889),

Gene: PYPDinur_4 Start: 771, Stop: 2333, Start Num: 79

Candidate Starts for PYPDinur_4:

(Start: 79 @771 has 143 MA's), (Start: 82 @777 has 6 MA's), (194, 927), (238, 993), (264, 1023), (281, 1047), (286, 1062), (296, 1104), (355, 1230), (417, 1368), (422, 1389), (428, 1413), (455, 1488), (477, 1536), (530, 1614), (540, 1635), (555, 1659), (558, 1665), (577, 1695), (579, 1701), (598, 1737), (670, 1827), (727, 1932), (732, 1941), (756, 1965), (768, 1986), (810, 2052), (884, 2154), (991, 2274), (995, 2280), (1008, 2301), (1028, 2325),

Gene: Pace1224_2 Start: 359, Stop: 1903, Start Num: 74

Candidate Starts for Pace1224_2:

(Start: 74 @359 has 22 MA's), (282, 632), (295, 683), (315, 719), (335, 779), (343, 800), (417, 932), (426, 968), (430, 989), (442, 1019), (458, 1058), (462, 1067), (574, 1220), (614, 1298), (655, 1364), (670, 1391), (732, 1490), (804, 1604), (825, 1628), (846, 1649), (893, 1700), (903, 1715), (969, 1808), (1025, 1892), (1029, 1898),

Gene: Padfoot_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Padfoot_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Padpat_8 Start: 1593, Stop: 3017, Start Num: 162

Candidate Starts for Padpat_8:

(Start: 85 @1521 has 1 MA's), (Start: 153 @1581 has 11 MA's), (Start: 162 @1593 has 165 MA's), (Start: 225 @1704 has 18 MA's), (229, 1710), (279, 1788), (283, 1797), (295, 1845), (302, 1863), (330, 1932), (356, 1974), (361, 1980), (383, 2007), (386, 2010), (426, 2127), (428, 2136), (458, 2217), (548, 2331), (574, 2379), (579, 2391), (593, 2421), (604, 2445), (612, 2457), (667, 2535), (670, 2541), (766, 2688), (784, 2721), (825, 2775), (969, 2952), (1025, 3006),

Gene: Paito_2 Start: 555, Stop: 1928, Start Num: 211

Candidate Starts for Paito_2:

(Start: 74 @354 has 22 MA's), (Start: 189 @516 has 1 MA's), (Start: 211 @555 has 3 MA's), (282, 666), (295, 717), (315, 753), (335, 813), (343, 834), (417, 978), (426, 1014), (430, 1035), (442, 1065), (458, 1104), (462, 1113), (574, 1266), (602, 1326), (655, 1395), (670, 1422), (676, 1437), (732, 1521), (782, 1602), (799, 1629), (804, 1635), (810, 1641), (825, 1659), (846, 1680), (889, 1725), (903, 1746), (969, 1839), (1028, 1920),

Gene: Panchino_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Panchino_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (Start: 235 @635 has 15 MA's), (238, 638), (273, 686), (288, 722), (291, 737), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: PantheRoc_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for PantheRoc_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (493, 1071), (540, 1137), (562, 1179), (610, 1257), (627, 1281), (639, 1293), (654, 1314), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (994, 1827), (1015, 1857),

Gene: PaoPu_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for PaoPu_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Paola_6 Start: 1326, Stop: 2753, Start Num: 168

Candidate Starts for Paola_6:

(77, 1233), (Start: 168 @1326 has 24 MA's), (198, 1383), (Start: 211 @1404 has 3 MA's), (Start: 225 @1428 has 18 MA's), (279, 1512), (283, 1521), (285, 1527), (295, 1569), (302, 1587), (315, 1605), (330, 1656), (383, 1731), (415, 1809), (426, 1851), (428, 1860), (429, 1863), (458, 1941), (548, 2055), (574, 2103), (593, 2145), (604, 2169), (612, 2181), (630, 2208), (665, 2253), (670, 2265), (762, 2412), (782, 2451), (825, 2508), (849, 2532), (869, 2556), (893, 2580), (965, 2679), (969, 2685), (1025, 2742),

Gene: Parada_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Parada_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Parmesanjohn_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Parmesanjohn_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: PartyCup_5 Start: 3104, Stop: 4672, Start Num: 79

Candidate Starts for PartyCup_5:

(Start: 79 @3104 has 143 MA's), (218, 3290), (275, 3371), (285, 3383), (291, 3413), (296, 3428), (310, 3461), (356, 3563), (401, 3644), (416, 3692), (431, 3758), (445, 3806), (448, 3815), (479, 3890), (495, 3917), (522, 3947), (669, 4166), (707, 4238), (730, 4274), (799, 4370), (865, 4436), (901, 4466), (905, 4472), (956, 4538), (1045, 4658),

Gene: PastaFagioli_3 Start: 769, Stop: 2394, Start Num: 135

Candidate Starts for PastaFagioli_3:

(Start: 135 @769 has 81 MA's), (242, 925), (299, 1033), (335, 1117), (358, 1162), (417, 1267), (431, 1330), (437, 1351), (455, 1408), (628, 1744), (715, 1876), (785, 1978), (956, 2227), (987, 2275), (1045, 2344),

Gene: Patt_9 Start: 2502, Stop: 3842, Start Num: 225

Candidate Starts for Patt_9:

(Start: 162 @2397 has 165 MA's), (Start: 225 @2502 has 18 MA's), (279, 2586), (283, 2595), (291, 2631), (295, 2643), (315, 2685), (330, 2736), (339, 2754), (361, 2784), (415, 2889), (426, 2931), (428, 2940), (429, 2943), (458, 3021), (462, 3030), (548, 3135), (572, 3177), (574, 3183), (593, 3225), (670, 3342), (689, 3384), (713, 3429), (764, 3498), (789, 3543), (804, 3564), (825, 3588), (903, 3672), (969, 3765), (1025, 3831), (1029, 3837),

Gene: Pauu_3 Start: 437, Stop: 1996, Start Num: 49

Candidate Starts for Pauu_3:

(33, 419), (Start: 49 @437 has 4 MA's), (134, 533), (137, 536), (161, 563), (Start: 213 @644 has 10 MA's), (218, 653), (Start: 234 @680 has 4 MA's), (277, 734), (283, 740), (294, 785), (326, 860), (327, 863), (329, 869), (330, 875), (331, 878), (340, 896), (356, 929), (415, 1031), (434, 1106), (441, 1130), (492, 1220), (493, 1223), (517, 1250), (520, 1253), (535, 1277), (538, 1286), (570, 1337), (579, 1358), (596, 1394), (618, 1430), (635, 1454), (674, 1505), (679, 1520), (686, 1532), (715, 1577), (721, 1589), (815, 1730), (860, 1781), (863, 1787), (976, 1934), (982, 1943), (987, 1952),

Gene: Peanam_8 Start: 1660, Stop: 3090, Start Num: 162

Candidate Starts for Peanam_8:

(105, 1618), (Start: 153 @1648 has 11 MA's), (Start: 162 @1660 has 165 MA's), (Start: 211 @1750 has 3 MA's), (Start: 225 @1774 has 18 MA's), (229, 1780), (249, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (330, 2002), (361, 2050), (426, 2197), (428, 2206), (503, 2335), (548, 2401), (572, 2443), (574, 2449), (579, 2461), (593, 2491), (604, 2515), (621, 2542), (670, 2611), (691, 2653), (713, 2683), (727, 2707), (766, 2755), (804, 2818), (825, 2842), (869, 2893), (904, 2932), (969, 3022), (1003, 3061), (1025, 3079), (1029, 3085),

Gene: PeanutPie_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for PeanutPie_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (530, 1304), (540, 1325), (625, 1466), (639, 1478), (667, 1523), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: Pecas_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for Pecas_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (356, 1066), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Peeb_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Peeb_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (504, 1118), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (679, 1409), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Peel_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Peel_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: PegLeg_14 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for PegLeg_14:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: Pelletreau_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Pelletreau_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (Start: 224 @1072 has 1 MA's), (237, 1093), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (436, 1525), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Penoan_4 Start: 1350, Stop: 2837, Start Num: 112

Candidate Starts for Penoan_4:

(4, 1002), (18, 1176), (35, 1251), (45, 1260), (98, 1335), (Start: 112 @1350 has 46 MA's), (Start: 224 @1503 has 1 MA's), (233, 1518), (237, 1524), (291, 1623), (294, 1632), (331, 1725), (349, 1767), (417, 1881), (418, 1884), (429, 1929), (528, 2109), (574, 2181), (596, 2229), (614, 2262), (667, 2325), (668, 2328), (719, 2427), (740, 2460), (751, 2472), (766, 2493), (836, 2568), (882, 2640), (963, 2727), (1000, 2781),

Gene: PensacolaC28_1 Start: 37, Stop: 1611, Start Num: 151

Candidate Starts for PensacolaC28_1:

(Start: 119 @4 has 2 MA's), (Start: 151 @37 has 89 MA's), (183, 91), (218, 142), (227, 151), (249, 193), (265, 211), (269, 220), (284, 253), (285, 256), (335, 400), (354, 439), (356, 445), (393, 493), (416, 550), (425, 586), (465, 706), (570, 877), (672, 1042), (708, 1117), (747, 1168), (870, 1348), (920, 1408), (1039, 1576),

Gene: Peridot_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Peridot_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Periodt_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Periodt_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809),

(355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Periwinkle_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Periwinkle_3:

(120, 664), (Start: 151 @673 has 89 MA's), (Start: 211 @775 has 3 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (231, 808), (251, 847), (256, 853), (276, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (328, 1024), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (429, 1249), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (456, 1324), (459, 1330), (504, 1399), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (651, 1657), (667, 1681), (715, 1759), (732, 1786), (739, 1795), (844, 1933), (851, 1945), (869, 1963), (938, 2041), (943, 2047), (969, 2089), (975, 2101), (984, 2113), (1042, 2182),

Gene: Petra_2 Start: 334, Stop: 1959, Start Num: 108

Candidate Starts for Petra_2:

(Start: 108 @334 has 52 MA's), (127, 355), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (431, 961), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (1049, 1942),

Gene: Phabuloso_3 Start: 671, Stop: 2188, Start Num: 151

Candidate Starts for Phabuloso_3:

(120, 662), (Start: 151 @671 has 89 MA's), (220, 788), (Start: 225 @797 has 18 MA's), (231, 806), (256, 851), (268, 869), (276, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (339, 1049), (353, 1070), (363, 1088), (365, 1091), (367, 1094), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (430, 1256), (432, 1262), (439, 1277), (443, 1289), (459, 1328), (507, 1409), (534, 1451), (576, 1532), (579, 1541), (591, 1568), (630, 1634), (651, 1655), (715, 1757), (732, 1784), (844, 1931), (851, 1943), (869, 1961), (938, 2039), (941, 2042), (943, 2045), (969, 2087), (975, 2099), (984, 2111),

Gene: Phalm_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Phalm_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: PhancyPhin_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for PhancyPhin_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Pharb_7 Start: 1288, Stop: 2712, Start Num: 162

Candidate Starts for Pharb_7:

(90, 1225), (97, 1237), (Start: 153 @1276 has 11 MA's), (Start: 162 @1288 has 165 MA's), (Start: 187 @1333 has 6 MA's), (Start: 211 @1375 has 3 MA's), (Start: 225 @1399 has 18 MA's), (279, 1483), (283, 1492), (294, 1537), (295, 1540), (302, 1558), (330, 1627), (356, 1669), (361, 1675), (383, 1702),

(415, 1780), (426, 1822), (428, 1831), (458, 1912), (466, 1930), (548, 2026), (574, 2074), (579, 2086), (593, 2116), (604, 2140), (612, 2152), (621, 2167), (670, 2236), (691, 2278), (696, 2290), (764, 2377), (766, 2380), (789, 2422), (799, 2437), (804, 2443), (823, 2464), (825, 2467), (969, 2644),

Gene: Phayonce_2 Start: 401, Stop: 2080, Start Num: 56

Candidate Starts for Phayonce_2:

(9, 191), (12, 239), (Start: 56 @401 has 50 MA's), (178, 563), (198, 608), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (331, 881), (335, 887), (340, 899), (390, 989), (451, 1178), (464, 1208), (530, 1304), (625, 1466), (639, 1478), (667, 1523), (678, 1553), (732, 1634), (766, 1685), (810, 1754), (825, 1772), (884, 1856), (885, 1859), (890, 1871), (1035, 2063),

Gene: Phegasus_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Phegasus_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: PhelpsODU_7 Start: 1549, Stop: 2976, Start Num: 162

Candidate Starts for PhelpsODU_7:

(Start: 162 @1549 has 165 MA's), (Start: 211 @1639 has 3 MA's), (Start: 225 @1663 has 18 MA's), (229, 1669), (279, 1747), (283, 1756), (295, 1804), (302, 1822), (330, 1891), (355, 1930), (361, 1939), (383, 1966), (415, 2044), (426, 2086), (428, 2095), (458, 2176), (503, 2224), (548, 2290), (572, 2332), (574, 2338), (579, 2350), (581, 2356), (593, 2380), (608, 2410), (621, 2431), (670, 2500), (691, 2542), (762, 2635), (784, 2677), (804, 2707), (825, 2731), (869, 2779), (969, 2908), (1025, 2965), (1029, 2971),

Gene: PhigPhack_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for PhigPhack_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (335, 1037), (344, 1061), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: Philonius_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Philonius_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Phineas_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Phineas_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (530, 1304), (540, 1325), (639, 1478), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: PhirstandPhine_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for PhirstandPhine_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (436, 1484), (449, 1526), (453, 1538), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (773, 2096), (785, 2117), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: Phisb_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for Phisb_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (868, 2015), (956, 2138), (987, 2186), (1058, 2294),

Gene: Phish_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Phish_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Phistory_3 Start: 672, Stop: 2189, Start Num: 151

Candidate Starts for Phistory_3:

(120, 663), (Start: 151 @672 has 89 MA's), (220, 789), (Start: 225 @798 has 18 MA's), (256, 852), (276, 885), (292, 936), (295, 945), (315, 981), (328, 1023), (336, 1044), (342, 1056), (353, 1071), (363, 1089), (365, 1092), (367, 1095), (383, 1116), (400, 1143), (417, 1200), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (453, 1317), (459, 1329), (507, 1410), (548, 1482), (561, 1506), (576, 1533), (579, 1542), (591, 1569), (608, 1602), (651, 1656), (707, 1746), (715, 1758), (732, 1785), (844, 1932), (851, 1944), (869, 1962), (938, 2040), (943, 2046), (969, 2088), (975, 2100), (984, 2112),

Gene: Phloodle_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Phloodle_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Phloss_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Phloss_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: PhluffyCoco_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for PhluffyCoco_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: PhorbesPhlower_2 Start: 375, Stop: 1757, Start Num: 187

Candidate Starts for PhorbesPhlower_2:

(Start: 117 @312 has 1 MA's), (Start: 187 @375 has 6 MA's), (251, 486), (315, 615), (335, 675), (361, 714), (410, 804), (422, 846), (428, 870), (434, 894), (439, 903), (442, 912), (443, 915), (532, 1041), (593, 1158), (651, 1239), (667, 1266), (670, 1272), (713, 1341), (749, 1383), (764, 1410), (772, 1425), (790, 1455), (799, 1470), (804, 1476), (825, 1500), (893, 1575), (904, 1590), (965, 1674), (969, 1680), (972, 1686), (975, 1692), (977, 1695),

Gene: Phrank_7 Start: 1515, Stop: 2942, Start Num: 162

Candidate Starts for Phrank_7:

(Start: 162 @1515 has 165 MA's), (Start: 211 @1605 has 3 MA's), (Start: 225 @1629 has 18 MA's), (229, 1635), (279, 1713), (283, 1722), (295, 1770), (302, 1788), (330, 1857), (355, 1896), (361, 1905), (383, 1932), (415, 2010), (426, 2052), (428, 2061), (458, 2142), (503, 2190), (548, 2256), (572, 2298), (574, 2304), (579, 2316), (581, 2322), (593, 2346), (604, 2370), (608, 2376), (621, 2397), (670, 2466), (691, 2508), (762, 2601), (764, 2607), (766, 2610), (784, 2643), (804, 2673), (825, 2697), (869, 2745), (969, 2874), (1025, 2931), (1029, 2937),

Gene: Phrann_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Phrann_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (Start: 235 @635 has 15 MA's), (238, 638), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Phreak_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Phreak_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: PhriskyACE_2 Start: 318, Stop: 1877, Start Num: 108

Candidate Starts for PhriskyACE_2:

(67, 258), (Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (343, 744), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (670, 1344), (677, 1365), (707, 1410), (730, 1446), (732, 1449), (763, 1491), (766, 1497), (784, 1530), (855, 1620), (863, 1632), (885, 1671), (1033, 1860),

Gene: PhrostedPhlake_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for PhrostedPhlake_2:

(53, 255), (Start: 108 @333 has 52 MA's), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911),

Gene: Piatt_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Piatt_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Picconator_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Picconator_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Pickett_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Pickett_2:

(Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Picnic_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Picnic_3:

(Start: 107 @1074 has 136 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Pigu_3 Start: 644, Stop: 1759, Start Num: 321

Candidate Starts for Pigu_3:

(40, 179), (Start: 56 @197 has 50 MA's), (111, 275), (Start: 153 @317 has 11 MA's), (Start: 211 @419 has 3 MA's), (247, 482), (281, 533), (282, 536), (316, 626), (321, 644), (361, 722), (383, 749), (417, 833), (428, 878), (469, 986), (570, 1112), (574, 1121), (608, 1193), (667, 1268), (670, 1274), (707, 1337), (728, 1373), (804, 1484), (825, 1508), (879, 1565), (972, 1685), (1025, 1748),

Gene: Piku_1 Start: 175, Stop: 1761, Start Num: 177

Candidate Starts for Piku_1:

(38, 22), (Start: 91 @76 has 3 MA's), (Start: 177 @175 has 1 MA's), (Start: 213 @229 has 10 MA's), (222, 244), (241, 274), (242, 277), (257, 304), (294, 391), (329, 475), (330, 481), (335, 490), (356, 535), (434, 712), (454, 775), (517, 856), (560, 928), (570, 946), (593, 997), (713, 1183), (715, 1186), (788, 1300), (791, 1306), (827, 1348), (832, 1354), (855, 1384), (908, 1456), (953, 1510), (982, 1552), (1060, 1711),

Gene: Pimento_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for Pimento_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (130, 1816), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (483, 2536), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Pineda_4 Start: 1013, Stop: 2494, Start Num: 213

Candidate Starts for Pineda_4:

(Start: 84 @848 has 12 MA's), (Start: 213 @1013 has 10 MA's), (237, 1052), (275, 1103), (285, 1115), (293, 1151), (299, 1169), (401, 1352), (431, 1466), (435, 1478), (449, 1526), (457, 1547), (464, 1562), (490, 1619), (669, 1934), (705, 2000), (713, 2012), (732, 2045), (768, 2084), (772, 2093), (773, 2096), (818, 2162), (840, 2192), (866, 2237), (895, 2279), (913, 2306), (915, 2309), (985, 2402), (987, 2408), (1003, 2429), (1015, 2441), (1045, 2480), (1047, 2483),

Gene: PinkFriday_2 Start: 599, Stop: 1993, Start Num: 211

Candidate Starts for PinkFriday_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (401, 965), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (554, 1316), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (768, 1637), (770, 1643), (956, 1859), (1015, 1940), (1045, 1979),

Gene: PinkYoshi_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for PinkYoshi_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Pinnie_3 Start: 905, Stop: 2404, Start Num: 153

Candidate Starts for Pinnie_3:

(64, 803), (Start: 74 @818 has 22 MA's), (Start: 153 @905 has 11 MA's), (Start: 170 @929 has 43 MA's), (198, 986), (315, 1205), (335, 1265), (417, 1430), (426, 1466), (430, 1487), (440, 1511), (442, 1517), (462, 1565), (574, 1718), (612, 1793), (670, 1892), (679, 1916), (766, 2042), (791, 2087), (846, 2150), (893, 2201), (903, 2216), (969, 2309), (984, 2333), (997, 2351), (1028, 2396),

Gene: Piper2020_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for Piper2020_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (699, 1745), (732, 1790), (782, 1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: Pipp_2 Start: 359, Stop: 1927, Start Num: 133

Candidate Starts for Pipp_2:

(53, 254), (60, 263), (Start: 133 @359 has 34 MA's), (209, 476), (238, 518), (246, 536), (257, 551), (270, 572), (282, 593), (289, 626), (291, 632), (315, 692), (327, 728), (330, 740), (356, 785), (360, 794), (383, 821), (416, 899), (446, 1004), (452, 1019), (458, 1034), (511, 1112), (540, 1163), (639, 1319), (665, 1358), (667, 1364), (704, 1430), (711, 1442), (741, 1487), (743, 1490), (749, 1496), (762, 1517), (766, 1526), (768, 1529), (784, 1559), (812, 1598), (862, 1658), (884, 1700), (908, 1742), (917, 1757), (936, 1778), (948, 1793), (1021, 1889), (1030, 1901), (1035, 1910),

Gene: Pipsqueaks_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Pipsqueaks_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524),

(682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Pirate_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for Pirate_2:

(Start: 157 @373 has 40 MA's), (174, 397), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (442, 1000), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (469, 1063), (553, 1174), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (817, 1597), (838, 1615), (843, 1621), (874, 1666), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (984, 1816), (1023, 1870), (1028, 1876),

Gene: Pisa1_7 Start: 1362, Stop: 2783, Start Num: 162

Candidate Starts for Pisa1_7:

(Start: 85 @1290 has 1 MA's), (Start: 153 @1350 has 11 MA's), (Start: 162 @1362 has 165 MA's), (Start: 225 @1473 has 18 MA's), (229, 1479), (279, 1557), (283, 1566), (295, 1614), (302, 1632), (330, 1701), (356, 1743), (361, 1749), (383, 1776), (386, 1779), (426, 1896), (428, 1905), (458, 1986), (548, 2100), (574, 2148), (579, 2160), (593, 2190), (604, 2214), (612, 2226), (670, 2310), (766, 2454), (784, 2487), (825, 2541), (969, 2718), (1025, 2772),

Gene: Pisa4_7 Start: 1362, Stop: 2783, Start Num: 162

Candidate Starts for Pisa4_7:

(Start: 85 @1290 has 1 MA's), (Start: 153 @1350 has 11 MA's), (Start: 162 @1362 has 165 MA's), (Start: 225 @1473 has 18 MA's), (229, 1479), (279, 1557), (283, 1566), (295, 1614), (302, 1632), (330, 1701), (356, 1743), (361, 1749), (383, 1776), (386, 1779), (426, 1896), (428, 1905), (458, 1986), (548, 2100), (574, 2148), (579, 2160), (593, 2190), (604, 2214), (612, 2226), (670, 2310), (766, 2454), (784, 2487), (825, 2541), (969, 2718), (1025, 2772),

Gene: PitaDog_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for PitaDog_2:

(Start: 79 @426 has 143 MA's), (180, 549), (222, 615), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Pitbull_2 Start: 374, Stop: 1795, Start Num: 187

Candidate Starts for Pitbull_2:

(100, 278), (Start: 108 @287 has 52 MA's), (Start: 153 @317 has 11 MA's), (Start: 187 @374 has 6 MA's), (Start: 189 @377 has 1 MA's), (198, 395), (Start: 225 @437 has 18 MA's), (282, 533), (283, 536), (293, 578), (298, 593), (300, 599), (316, 623), (326, 656), (330, 671), (335, 680), (400, 773), (428, 875), (429, 878), (440, 920), (443, 929), (505, 1022), (570, 1118), (574, 1127), (579, 1139), (631, 1232), (646, 1250), (679, 1310), (707, 1349), (712, 1355), (771, 1436), (778, 1448), (825, 1505), (827, 1508), (855, 1538), (877, 1571), (885, 1586), (886, 1589), (898, 1610), (906, 1622), (911, 1628), (992, 1745), (1001, 1757), (1019, 1784), (1021, 1787),

Gene: Pixie_7 Start: 1239, Stop: 2663, Start Num: 162

Candidate Starts for Pixie_7:

(Start: 153 @1227 has 11 MA's), (Start: 162 @1239 has 165 MA's), (Start: 211 @1326 has 3 MA's), (Start: 225 @1350 has 18 MA's), (279, 1434), (283, 1443), (302, 1509), (315, 1527), (330, 1578), (356, 1620), (361, 1626), (383, 1653), (415, 1731), (426, 1773), (428, 1782), (458, 1863), (466, 1881), (548,

1977), (574, 2025), (579, 2037), (593, 2067), (604, 2091), (612, 2103), (670, 2187), (691, 2229), (696, 2241), (764, 2328), (766, 2331), (789, 2373), (799, 2388), (804, 2394), (823, 2415), (825, 2418), (969, 2595), (1029, 2658),

Gene: Plagueis_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Plagueis_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Plumbus_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Plumbus_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (274, 881), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (328, 1022), (336, 1043), (353, 1070), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102),

Gene: PoRanda_3 Start: 1104, Stop: 2564, Start Num: 107

Candidate Starts for PoRanda_3:

(Start: 107 @1104 has 136 MA's), (Start: 113 @1110 has 2 MA's), (237, 1272), (242, 1281), (278, 1341), (303, 1410), (316, 1431), (327, 1467), (331, 1482), (430, 1686), (511, 1821), (553, 1899), (565, 1914), (571, 1932), (580, 1950), (599, 1992), (621, 2025), (634, 2043), (710, 2163), (711, 2166), (719, 2178), (725, 2190), (770, 2253), (804, 2310), (810, 2316), (816, 2325), (829, 2334), (831, 2337), (953, 2499), (959, 2508), (964, 2517), (989, 2556),

Gene: Pokerus_7 Start: 1547, Stop: 2968, Start Num: 162

Candidate Starts for Pokerus_7:

(Start: 85 @1475 has 1 MA's), (Start: 153 @1535 has 11 MA's), (Start: 162 @1547 has 165 MA's), (Start: 225 @1658 has 18 MA's), (229, 1664), (279, 1742), (283, 1751), (295, 1799), (302, 1817), (330, 1886), (356, 1928), (361, 1934), (383, 1961), (386, 1964), (426, 2081), (428, 2090), (458, 2171), (548, 2285), (574, 2333), (579, 2345), (593, 2375), (604, 2399), (612, 2411), (667, 2489), (670, 2495), (766, 2639), (784, 2672), (825, 2726), (969, 2903), (1025, 2957),

Gene: Polka_3 Start: 684, Stop: 2330, Start Num: 84

Candidate Starts for Polka_3:

(Start: 84 @684 has 12 MA's), (Start: 213 @849 has 10 MA's), (237, 888), (275, 939), (285, 951), (293, 987), (299, 1005), (401, 1188), (431, 1302), (435, 1314), (449, 1362), (457, 1383), (464, 1398), (490, 1455), (669, 1770), (705, 1836), (732, 1881), (768, 1920), (773, 1932), (818, 1998), (840, 2028), (866, 2073), (895, 2115), (913, 2142), (915, 2145), (985, 2238), (987, 2244), (1003, 2265), (1015, 2277), (1045, 2316), (1047, 2319),

Gene: Polkaroo_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Polkaroo_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (625, 1478), (639, 1490), (667, 1535), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Pollywog_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Pollywog_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: PondAmelia_5 Start: 960, Stop: 2585, Start Num: 135

Candidate Starts for PondAmelia_5:

(Start: 135 @960 has 81 MA's), (242, 1116), (285, 1170), (299, 1224), (307, 1239), (335, 1308), (358, 1353), (417, 1458), (418, 1461), (431, 1521), (436, 1539), (437, 1542), (445, 1569), (455, 1599), (536, 1761), (665, 1977), (705, 2052), (713, 2064), (956, 2418),

Gene: Pondwater_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Pondwater_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Poochiewood_4 Start: 1058, Stop: 2635, Start Num: 82

Candidate Starts for Poochiewood_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Popper_4 Start: 1461, Stop: 3161, Start Num: 115

Candidate Starts for Popper_4:

(Start: 95 @1440 has 13 MA's), (Start: 115 @1461 has 16 MA's), (Start: 213 @1605 has 10 MA's), (222, 1620), (242, 1653), (278, 1698), (283, 1701), (293, 1743), (299, 1761), (300, 1764), (310, 1785), (358, 1890), (401, 1944), (431, 2058), (457, 2139), (488, 2214), (553, 2370), (584, 2436), (592, 2451), (672, 2598), (678, 2622), (683, 2631), (700, 2661), (715, 2679), (741, 2721), (794, 2793), (837, 2835), (934, 2952), (937, 2955), (942, 2961), (976, 3012), (985, 3024), (1020, 3069), (1041, 3102), (1057, 3141), (1058, 3150),

Gene: Porcelain_10 Start: 3527, Stop: 5059, Start Num: 167

Candidate Starts for Porcelain_10:

(Start: 94 @3443 has 4 MA's), (131, 3485), (139, 3494), (Start: 167 @3527 has 21 MA's), (Start: 235 @3641 has 15 MA's), (268, 3704), (284, 3737), (285, 3740), (296, 3785), (328, 3860), (330, 3869), (398, 3971), (400, 3974), (410, 4010), (420, 4043), (546, 4292), (579, 4355), (592, 4382), (680, 4541), (704, 4577), (725, 4607), (730, 4616), (766, 4670), (777, 4694), (969, 4928), (977, 4940),

Gene: Potatoes_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Potatoes_5:

(Start: 79 @3127 has 143 MA's), (Start: 234 @3337 has 4 MA's), (275, 3391), (299, 3457), (310, 3481), (411, 3697), (416, 3712), (418, 3718), (431, 3778), (449, 3838), (495, 3937), (522, 3967), (529, 3982), (584, 4063), (630, 4141), (636, 4150), (669, 4186), (686, 4225), (707, 4258), (715, 4267), (730, 4294),

(773, 4348), (799, 4390), (852, 4435), (865, 4456), (956, 4558), (1045, 4678),

Gene: Powerball_2 Start: 318, Stop: 1877, Start Num: 108

Candidate Starts for Powerball_2:

(67, 258), (Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (343, 744), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (458, 1008), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (670, 1344), (677, 1365), (707, 1410), (730, 1446), (732, 1449), (763, 1491), (766, 1497), (855, 1620), (863, 1632), (885, 1671), (1033, 1860),

Gene: PrairieDogTown_3 Start: 1243, Stop: 2838, Start Num: 109

Candidate Starts for PrairieDogTown_3:

(Start: 109 @1243 has 5 MA's), (291, 1501), (299, 1525), (302, 1531), (431, 1822), (440, 1852), (457, 1903), (461, 1912), (527, 2014), (533, 2026), (594, 2149), (678, 2278), (818, 2506), (848, 2548), (1047, 2827),

Gene: Preamble_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Preamble_2:

(Start: 79 @426 has 143 MA's), (180, 549), (275, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (416, 1011), (418, 1017), (431, 1077), (495, 1236), (522, 1266), (529, 1281), (594, 1380), (630, 1440), (636, 1449), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (865, 1755), (956, 1857), (1045, 1977),

Gene: PrincePatrick_2 Start: 379, Stop: 1929, Start Num: 151

Candidate Starts for PrincePatrick_2:

(Start: 108 @334 has 52 MA's), (121, 349), (127, 355), (Start: 133 @361 has 34 MA's), (Start: 136 @364 has 13 MA's), (Start: 151 @379 has 89 MA's), (188, 442), (209, 478), (226, 505), (238, 520), (257, 553), (270, 574), (282, 595), (291, 634), (299, 658), (315, 694), (330, 742), (355, 784), (360, 796), (416, 901), (452, 1021), (458, 1036), (511, 1114), (533, 1147), (540, 1165), (639, 1321), (656, 1342), (665, 1360), (704, 1432), (735, 1480), (749, 1498), (762, 1519), (766, 1528), (768, 1531), (784, 1561), (825, 1615), (884, 1702), (908, 1744), (948, 1795), (1035, 1912), (1038, 1918),

Gene: Prithvi_8 Start: 1562, Stop: 2983, Start Num: 162

Candidate Starts for Prithvi_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (330, 1901), (356, 1943), (361, 1949), (383, 1976), (386, 1979), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (667, 2504), (670, 2510), (766, 2654), (784, 2687), (825, 2741), (969, 2918), (1025, 2972),

Gene: Procrass1_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for Procrass1_2:

(Start: 155 @370 has 6 MA's), (Start: 157 @373 has 40 MA's), (Start: 167 @385 has 21 MA's), (174, 397), (Start: 181 @412 has 1 MA's), (217, 475), (238, 502), (240, 505), (278, 553), (283, 562), (285, 568), (291, 598), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (442, 1000), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (464, 1048), (469, 1063), (513, 1129), (531, 1150), (553, 1174), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (664, 1351), (679, 1393), (725, 1471), (730, 1480), (741, 1492), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (819, 1600), (838, 1615), (843, 1621), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (977, 1807), (1002, 1837), (1023, 1870), (1028, 1876),

Gene: Prospero_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Prospero_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Psycho_6 Start: 1349, Stop: 2776, Start Num: 168

Candidate Starts for Psycho_6:

(Start: 168 @1349 has 24 MA's), (198, 1406), (Start: 211 @1427 has 3 MA's), (Start: 225 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (330, 1679), (355, 1718), (383, 1754), (400, 1781), (415, 1832), (426, 1874), (428, 1883), (429, 1886), (458, 1964), (548, 2078), (574, 2126), (579, 2138), (593, 2168), (612, 2204), (630, 2231), (670, 2288), (713, 2372), (727, 2396), (782, 2474), (825, 2531), (849, 2555), (869, 2579), (969, 2708), (1025, 2765),

Gene: Pterodactyl_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Pterodactyl_2:

(Start: 79 @426 has 143 MA's), (180, 549), (215, 603), (275, 690), (291, 732), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: Publix_3 Start: 1095, Stop: 2555, Start Num: 107

Candidate Starts for Publix_3:

(Start: 107 @1095 has 136 MA's), (Start: 113 @1101 has 2 MA's), (237, 1263), (242, 1272), (278, 1332), (303, 1401), (316, 1422), (331, 1473), (430, 1677), (511, 1812), (565, 1905), (571, 1923), (580, 1941), (599, 1983), (621, 2016), (634, 2034), (710, 2154), (711, 2157), (719, 2169), (725, 2181), (732, 2193), (770, 2244), (804, 2301), (810, 2307), (816, 2316), (829, 2325), (831, 2328), (953, 2490), (959, 2499), (964, 2508), (989, 2547),

Gene: Puddles3_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Puddles3_3:

(Start: 107 @1074 has 136 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: PuffyCat_3 Start: 1104, Stop: 2564, Start Num: 107

Candidate Starts for PuffyCat_3:

(Start: 107 @1104 has 136 MA's), (Start: 113 @1110 has 2 MA's), (237, 1272), (242, 1281), (278, 1341), (303, 1410), (316, 1431), (331, 1482), (430, 1686), (511, 1821), (553, 1899), (565, 1914), (571, 1932), (580, 1950), (599, 1992), (621, 2025), (634, 2043), (710, 2163), (711, 2166), (719, 2178), (725, 2190), (732, 2202), (770, 2253), (804, 2310), (810, 2316), (816, 2325), (829, 2334), (831, 2337), (953, 2499), (959, 2508), (964, 2517), (989, 2556),

Gene: Pumancara_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Pumancara_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (299, 758), (310, 782), (331, 836), (391, 947), (401, 965), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (763, 1634), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: Puppies_2 Start: 482, Stop: 2065, Start Num: 118

Candidate Starts for Puppies_2:

(2, 53), (3, 59), (7, 158), (Start: 118 @482 has 7 MA's), (242, 656), (275, 698), (291, 740), (325, 824), (348, 884), (399, 947), (403, 953), (416, 998), (436, 1082), (448, 1121), (512, 1190), (546, 1253), (577, 1307), (600, 1355), (632, 1406), (662, 1442), (679, 1487), (686, 1499), (707, 1535), (715, 1544), (725, 1562), (790, 1673), (837, 1745), (839, 1748), (852, 1766), (871, 1802), (934, 1901), (1048, 2057),

Gene: Purgamenstris_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for Purgamenstris_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Purky_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Purky_2:

(13, 248), (15, 275), (Start: 56 @401 has 50 MA's), (141, 512), (178, 563), (204, 617), (228, 656), (266, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (511, 1274), (540, 1325), (625, 1466), (639, 1478), (658, 1502), (711, 1601), (732, 1634), (762, 1676), (766, 1685), (779, 1712), (788, 1724), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: Pygmy_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Pygmy_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (540, 1325), (639, 1478), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: QMacho_4 Start: 1159, Stop: 2787, Start Num: 135

Candidate Starts for QMacho_4:

(Start: 135 @1159 has 81 MA's), (242, 1315), (299, 1423), (329, 1492), (335, 1507), (417, 1657), (418, 1660), (431, 1720), (445, 1768), (455, 1798), (705, 2254), (715, 2269), (956, 2620), (987, 2668), (1058, 2776),

Gene: Qhanda_9 Start: 2583, Stop: 3920, Start Num: 225

Candidate Starts for Qhanda_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3909), (1029, 3915),

Gene: Quaker_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Quaker_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: Quby_4 Start: 771, Stop: 2333, Start Num: 79

Candidate Starts for Quby_4:

(Start: 79 @771 has 143 MA's), (Start: 82 @777 has 6 MA's), (194, 927), (238, 993), (264, 1023), (281, 1047), (286, 1062), (296, 1104), (355, 1230), (417, 1368), (422, 1389), (428, 1413), (455, 1488), (477, 1536), (530, 1614), (540, 1635), (555, 1659), (558, 1665), (577, 1695), (579, 1701), (598, 1737), (653, 1794), (670, 1827), (727, 1932), (732, 1941), (756, 1965), (768, 1986), (810, 2052), (884, 2154), (991, 2274), (995, 2280), (1008, 2301), (1028, 2325),

Gene: QueenBey_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for QueenBey_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (299, 627), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (412, 897), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (430, 966), (442, 1005), (451, 1026), (458, 1044), (460, 1047), (469, 1068), (513, 1134), (553, 1179), (570, 1206), (579, 1227), (617, 1287), (620, 1293), (652, 1335), (663, 1353), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (864, 1656), (874, 1671), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (967, 1797), (974, 1806), (977, 1812), (995, 1833), (1023, 1875), (1028, 1881),

Gene: Quenya_4 Start: 931, Stop: 2496, Start Num: 135

Candidate Starts for Quenya_4:

(Start: 135 @931 has 81 MA's), (Start: 211 @1039 has 3 MA's), (242, 1087), (275, 1129), (299, 1195), (302, 1201), (307, 1210), (335, 1279), (345, 1306), (360, 1330), (401, 1378), (417, 1429), (431, 1492), (449, 1552), (455, 1570), (592, 1843), (678, 1981), (770, 2113), (792, 2149), (1022, 2443), (1052, 2488),

Gene: Quico_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Quico_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (220, 789), (Start: 225 @798 has 18 MA's), (231, 807), (274, 882), (276, 885), (281, 891), (292, 936), (293, 939), (300, 960), (314, 978), (353, 1071), (363, 1089), (365, 1092), (383, 1116), (417, 1200), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (453, 1317), (459, 1329), (505, 1404), (524, 1434), (526, 1437), (548, 1482), (576, 1533), (579, 1542), (591, 1569), (608, 1602), (642, 1647), (667, 1680), (826, 1920), (844, 1935), (847, 1941), (869, 1965), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: QuincyRose_7 Start: 1613, Stop: 3034, Start Num: 162

Candidate Starts for QuincyRose_7:

(Start: 85 @1541 has 1 MA's), (Start: 153 @1601 has 11 MA's), (Start: 162 @1613 has 165 MA's), (Start: 225 @1724 has 18 MA's), (229, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (330, 1952), (356, 1994), (361, 2000), (383, 2027), (386, 2030), (426, 2147), (428, 2156), (458, 2237), (548, 2351), (574, 2399), (579, 2411), (593, 2441), (604, 2465), (612, 2477), (667, 2555), (670, 2561), (766, 2705), (784, 2738), (825, 2792), (969, 2969), (1025, 3023),

Gene: QuinnAvery_6 Start: 1935, Stop: 3635, Start Num: 115

Candidate Starts for QuinnAvery_6:

(72, 1878), (Start: 95 @1914 has 13 MA's), (Start: 115 @1935 has 16 MA's), (180, 2010), (199, 2058), (Start: 213 @2079 has 10 MA's), (222, 2094), (242, 2127), (275, 2169), (278, 2172), (293, 2217), (299, 2235), (300, 2238), (302, 2241), (358, 2364), (371, 2388), (401, 2418), (431, 2532), (449, 2592), (457, 2613), (485, 2679), (553, 2844), (584, 2910), (592, 2925), (678, 3096), (741, 3195), (770, 3228), (792, 3264), (794, 3267), (837, 3309), (865, 3351), (913, 3399), (934, 3426), (937, 3429), (942, 3435), (985, 3498), (1041, 3576), (1058, 3624),

Gene: RAP15_5 Start: 3133, Stop: 4698, Start Num: 79

Candidate Starts for RAP15_5:

(Start: 79 @3133 has 143 MA's), (Start: 234 @3343 has 4 MA's), (275, 3397), (299, 3463), (310, 3487), (411, 3703), (416, 3718), (418, 3724), (431, 3784), (449, 3844), (495, 3943), (522, 3973), (529, 3988), (584, 4069), (630, 4147), (636, 4156), (669, 4192), (686, 4231), (707, 4264), (715, 4273), (730, 4300), (773, 4354), (799, 4396), (852, 4441), (865, 4462), (877, 4486), (956, 4564), (1045, 4684),

Gene: REQ1_66 Start: 29500, Stop: 31053, Start Num: 156

Candidate Starts for REQ1_66:

(Start: 156 @29500 has 1 MA's), (238, 29638), (284, 29734), (358, 29911), (376, 29947), (377, 29950), (420, 30061), (425, 30079), (429, 30094), (438, 30121), (579, 30373), (592, 30394), (741, 30646), (863, 30820), (910, 30898), (930, 30922), (999, 31000),

Gene: REQ2_02 Start: 393, Stop: 1919, Start Num: 153

Candidate Starts for REQ2_02:

(Start: 153 @393 has 11 MA's), (281, 606), (315, 696), (330, 747), (335, 756), (336, 759), (386, 825), (400, 849), (410, 885), (417, 906), (423, 933), (428, 951), (429, 954), (440, 996), (504, 1092), (570, 1194), (574, 1203), (593, 1248), (678, 1389), (830, 1617), (936, 1770), (970, 1821), (1025, 1902),

Gene: RRH1_02 Start: 655, Stop: 1965, Start Num: 224

Candidate Starts for RRH1_02:

(Start: 118 @541 has 7 MA's), (Start: 224 @655 has 1 MA's), (245, 694), (290, 766), (300, 796), (310, 817), (330, 868), (349, 913), (366, 940), (375, 949), (394, 964), (427, 1063), (442, 1117), (446, 1132), (579, 1324), (684, 1492), (705, 1525), (713, 1540), (769, 1621), (833, 1696), (879, 1759), (915, 1798), (947, 1834), (990, 1903),

Gene: Rabbitrun_14 Start: 5332, Stop: 6777, Start Num: 158

Candidate Starts for Rabbitrun_14:

(Start: 158 @5332 has 9 MA's), (217, 5437), (221, 5443), (281, 5518), (316, 5611), (346, 5692), (398, 5761), (418, 5821), (426, 5854), (428, 5863), (433, 5884), (447, 5923), (530, 6061), (543, 6088), (583, 6157), (725, 6385), (764, 6439), (784, 6469), (812, 6508), (888, 6616), (892, 6622), (949, 6679),

Gene: Rabbs_2 Start: 456, Stop: 1892, Start Num: 170

Candidate Starts for Rabbs_2:

(Start: 74 @360 has 22 MA's), (Start: 170 @456 has 43 MA's), (Start: 172 @459 has 3 MA's), (Start: 189 @495 has 1 MA's), (Start: 211 @534 has 3 MA's), (295, 696), (330, 783), (335, 792), (343, 810), (355, 822), (417, 942), (426, 978), (430, 999), (439, 1020), (458, 1068), (462, 1077), (574, 1230), (602, 1290), (614, 1308), (655, 1359), (670, 1386), (676, 1401), (677, 1404), (732, 1485), (763, 1530), (810, 1605), (825, 1623), (846, 1644), (889, 1689), (900, 1707), (903, 1710), (969, 1803), (1028, 1884),

Gene: Rahul_2 Start: 517, Stop: 1917, Start Num: 164

Candidate Starts for Rahul_2:

(Start: 164 @517 has 29 MA's), (Start: 208 @583 has 2 MA's), (Start: 224 @610 has 1 MA's), (278, 685), (285, 694), (290, 721), (291, 724), (295, 736), (302, 754), (328, 814), (330, 823), (331, 826), (429, 1027), (603, 1321), (668, 1399), (674, 1414), (684, 1438), (688, 1444), (694, 1453), (705, 1471), (765, 1561), (816, 1627), (857, 1672), (896, 1723), (934, 1768), (953, 1795), (994, 1858), (1032, 1900),

Gene: Ramen_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for Ramen_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Ramsey_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Ramsey_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Rando14_6 Start: 1416, Stop: 2843, Start Num: 168

Candidate Starts for Rando14_6:

(159, 1404), (Start: 168 @1416 has 24 MA's), (198, 1473), (Start: 211 @1494 has 3 MA's), (Start: 225 @1518 has 18 MA's), (279, 1602), (283, 1611), (294, 1656), (295, 1659), (302, 1677), (315, 1695), (330, 1746), (337, 1761), (383, 1821), (415, 1899), (426, 1941), (428, 1950), (429, 1953), (442, 1992), (458, 2031), (548, 2145), (564, 2175), (574, 2193), (593, 2235), (612, 2271), (630, 2298), (670, 2355), (713, 2439), (782, 2541), (825, 2598), (849, 2622), (869, 2646), (969, 2775), (1025, 2832),

Gene: Rapunzel97_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for Rapunzel97_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Raqqa_3 Start: 1118, Stop: 2458, Start Num: 224

Candidate Starts for Raqqa_3:

(Start: 155 @1001 has 6 MA's), (Start: 224 @1118 has 1 MA's), (Start: 225 @1121 has 18 MA's), (281, 1214), (310, 1298), (315, 1304), (330, 1355), (335, 1364), (426, 1550), (428, 1559), (429, 1562), (442, 1601), (443, 1604), (469, 1667), (543, 1742), (574, 1799), (672, 1970), (677, 1985), (711, 2045), (717, 2054), (728, 2075), (784, 2153), (789, 2162), (825, 2207), (834, 2219), (849, 2234), (869, 2264), (892, 2285), (969, 2390),

Gene: Rattail_2 Start: 373, Stop: 1995, Start Num: 95

Candidate Starts for Rattail_2:

(Start: 84 @352 has 12 MA's), (Start: 95 @373 has 13 MA's), (275, 604), (285, 616), (293, 652), (299, 670), (302, 676), (331, 748), (419, 916), (431, 967), (438, 991), (449, 1027), (457, 1048), (464, 1063), (490, 1123), (536, 1207), (664, 1423), (669, 1435), (705, 1501), (707, 1507), (732, 1546), (768, 1585), (770, 1591), (785, 1618), (818, 1663), (985, 1903), (1003, 1930), (1022, 1951), (1045, 1981), (1047, 1984),

Gene: Rattrick_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Rattrick_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: RayTheFireFly_2 Start: 586, Stop: 2196, Start Num: 136

Candidate Starts for RayTheFireFly_2:

(Start: 136 @586 has 13 MA's), (254, 769), (315, 904), (330, 952), (380, 1024), (431, 1177), (446, 1219), (458, 1249), (493, 1312), (506, 1354), (511, 1363), (540, 1414), (556, 1444), (557, 1447), (572, 1465), (596, 1510), (616, 1543), (639, 1570), (732, 1735), (766, 1786), (788, 1825), (807, 1852), (810, 1855), (825, 1873), (884, 1957), (997, 2131),

Gene: Raymond7_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Raymond7_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (Start: 235 @635 has 15 MA's), (238, 638), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: RcigaStruga_5 Start: 3080, Stop: 4645, Start Num: 79

Candidate Starts for RcigaStruga_5:

(Start: 79 @3080 has 143 MA's), (Start: 213 @3254 has 10 MA's), (Start: 234 @3290 has 4 MA's), (275, 3344), (291, 3386), (299, 3410), (356, 3536), (411, 3650), (416, 3665), (418, 3671), (431, 3731), (449, 3791), (476, 3857), (495, 3890), (522, 3920), (529, 3935), (554, 3968), (570, 3983), (584, 4016), (636, 4103), (785, 4322), (799, 4343), (836, 4364), (877, 4433), (956, 4511), (982, 4550), (1003, 4580), (1015, 4592), (1045, 4631), (1050, 4640),

Gene: Rearden_7 Start: 2337, Stop: 3869, Start Num: 167

Candidate Starts for Rearden_7:

(Start: 94 @2253 has 4 MA's), (131, 2295), (139, 2304), (Start: 167 @2337 has 21 MA's), (Start: 235 @2451 has 15 MA's), (268, 2514), (284, 2547), (296, 2595), (328, 2670), (343, 2706), (398, 2781), (400, 2784), (410, 2820), (420, 2853), (546, 3102), (579, 3165), (592, 3192), (617, 3237), (680, 3351), (704, 3387), (725, 3417), (730, 3426), (766, 3480), (777, 3504), (969, 3738), (977, 3750),

Gene: Rebel_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for Rebel_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Red305_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Red305_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: RedFox_2 Start: 370, Stop: 1992, Start Num: 95

Candidate Starts for RedFox_2:

(Start: 84 @349 has 12 MA's), (Start: 95 @370 has 13 MA's), (275, 601), (278, 604), (285, 613), (293, 649), (299, 667), (331, 745), (401, 850), (431, 964), (438, 988), (449, 1024), (457, 1045), (464, 1060), (490, 1120), (536, 1204), (664, 1420), (669, 1432), (679, 1459), (705, 1498), (707, 1504), (732, 1543), (757, 1570), (768, 1582), (785, 1615), (794, 1627), (818, 1660), (934, 1831), (985, 1900), (987, 1906), (1003, 1927), (1022, 1948), (1045, 1978), (1047, 1981), (1048, 1984),

Gene: Redi_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for Redi_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: RegnumDei_6 Start: 3693, Stop: 5237, Start Num: 152

Candidate Starts for RegnumDei_6:

(Start: 152 @3693 has 2 MA's), (284, 3930), (285, 3933), (291, 3963), (333, 4068), (418, 4224), (420, 4236), (422, 4242), (429, 4269), (430, 4278), (443, 4320), (579, 4557), (664, 4692), (680, 4737), (704, 4773), (764, 4878), (779, 4908), (796, 4932), (862, 5010), (900, 5076), (941, 5127), (1005, 5196),

Gene: Reindeer_12 Start: 4590, Stop: 6134, Start Num: 102

Candidate Starts for Reindeer_12:

(Start: 102 @4590 has 21 MA's), (Start: 145 @4638 has 1 MA's), (330, 4977), (425, 5169), (430, 5193), (530, 5379), (558, 5430), (577, 5460), (579, 5466), (598, 5502), (667, 5565), (676, 5589), (682, 5604), (720, 5664), (727, 5676), (748, 5706), (764, 5736), (782, 5769), (804, 5802), (827, 5829), (865, 5877), (884, 5910), (995, 6063), (1008, 6084),

Gene: Rem711_3 Start: 871, Stop: 2538, Start Num: 85

Candidate Starts for Rem711_3:

(27, 787), (41, 814), (66, 844), (77, 859), (Start: 85 @871 has 1 MA's), (239, 1078), (299, 1231), (302, 1237), (408, 1453), (410, 1465), (458, 1624), (464, 1636), (478, 1669), (493, 1687), (507, 1738), (530, 1774), (540, 1795), (551, 1816), (578, 1861), (616, 1924), (639, 1951), (737, 2113), (743, 2122), (779, 2185), (789, 2200), (825, 2245), (849, 2269), (899, 2359), (908, 2371), (960, 2440),

Gene: Remy19_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Remy19_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Renaissance_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Renaissance_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Renna12_3 Start: 538, Stop: 2160, Start Num: 95

Candidate Starts for Renna12_3:

(Start: 84 @517 has 12 MA's), (Start: 95 @538 has 13 MA's), (Start: 213 @679 has 10 MA's), (278, 772), (285, 781), (293, 817), (299, 835), (331, 913), (401, 1018), (431, 1132), (449, 1192), (457, 1213), (464, 1228), (498, 1309), (536, 1372), (664, 1588), (669, 1600), (679, 1627), (705, 1666), (707, 1672), (732, 1711), (768, 1750), (785, 1783), (818, 1828), (934, 1999), (985, 2068), (987, 2074), (1003, 2095), (1045, 2146), (1047, 2149),

Gene: Reptar3000_9 Start: 2501, Stop: 3841, Start Num: 225

Candidate Starts for Reptar3000_9:

(Start: 162 @2396 has 165 MA's), (Start: 225 @2501 has 18 MA's), (279, 2585), (283, 2594), (291, 2630), (295, 2642), (315, 2684), (330, 2735), (339, 2753), (361, 2783), (415, 2888), (426, 2930), (428, 2939), (429, 2942), (458, 3020), (462, 3029), (548, 3134), (572, 3176), (574, 3182), (593, 3224), (670, 3341), (689, 3383), (713, 3428), (764, 3497), (789, 3542), (804, 3563), (825, 3587), (903, 3671), (969, 3764), (1025, 3830), (1029, 3836),

Gene: Rey_18 Start: 5535, Stop: 7073, Start Num: 104

Candidate Starts for Rey_18:

(Start: 102 @5532 has 21 MA's), (Start: 104 @5535 has 2 MA's), (Start: 235 @5718 has 15 MA's), (251, 5736), (275, 5769), (282, 5778), (299, 5841), (330, 5916), (425, 6108), (458, 6201), (467, 6222), (558, 6369), (593, 6429), (720, 6603), (768, 6681), (782, 6708), (804, 6741), (827, 6768), (995, 7002), (1008, 7023),

Gene: Reyja_3 Start: 640, Stop: 2217, Start Num: 112

Candidate Starts for Reyja_3:

(44, 547), (Start: 112 @640 has 46 MA's), (245, 823), (283, 862), (285, 868), (291, 898), (335, 1006), (371, 1075), (401, 1105), (419, 1168), (437, 1240), (446, 1270), (448, 1276), (449, 1279), (576, 1525), (584, 1546), (592, 1561), (594, 1564), (600, 1576), (650, 1636), (672, 1681), (678, 1699), (683, 1708), (700, 1738), (773, 1831), (785, 1852), (792, 1861), (835, 1921), (921, 2041), (987, 2134), (1000, 2152), (1047, 2206),

Gene: Rhogar_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Rhogar_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Rhysand_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Rhysand_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Rialto_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Rialto_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Richarlison_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Richarlison_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Richo_8 Start: 1660, Stop: 3090, Start Num: 162

Candidate Starts for Richo_8:

(105, 1618), (Start: 153 @1648 has 11 MA's), (Start: 162 @1660 has 165 MA's), (Start: 211 @1750 has 3 MA's), (Start: 225 @1774 has 18 MA's), (229, 1780), (249, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (330, 2002), (361, 2050), (426, 2197), (428, 2206), (503, 2335), (548, 2401), (572, 2443), (574, 2449), (579, 2461), (593, 2491), (604, 2515), (621, 2542), (670, 2611), (691, 2653), (713, 2683), (727, 2707), (766, 2755), (804, 2818), (825, 2842), (869, 2893), (904, 2932), (969, 3022), (1003, 3061), (1025, 3079), (1029, 3085),

Gene: Rileysaurus_2 Start: 377, Stop: 1888, Start Num: 157

Candidate Starts for Rileysaurus_2:

(Start: 157 @377 has 40 MA's), (Start: 181 @416 has 1 MA's), (186, 434), (217, 479), (238, 506), (240, 509), (278, 557), (283, 566), (285, 572), (294, 611), (296, 617), (321, 668), (329, 692), (330, 698), (347, 737), (350, 746), (352, 749), (372, 788), (374, 791), (398, 851), (404, 860), (416, 905), (417, 908), (422, 929), (426, 944), (428, 953), (430, 965), (451, 1025), (457, 1040), (458, 1043), (460, 1046), (513, 1133), (553, 1178), (570, 1205), (579, 1226), (620, 1292), (664, 1355), (679, 1397), (764, 1529), (774, 1550), (775, 1553), (777, 1556), (790, 1568), (816, 1598), (817, 1601), (838, 1619), (843, 1625), (864, 1655), (891, 1703), (893, 1706), (974, 1805), (991, 1826), (995, 1832), (996, 1835), (1023, 1874), (1028, 1880),

Gene: Riovina_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Riovina_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (299, 759), (310, 783), (331, 837), (401, 966), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (584, 1365), (636, 1452), (686, 1527), (688, 1530), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: Rira_3 Start: 1113, Stop: 2573, Start Num: 107

Candidate Starts for Rira_3:

(Start: 107 @1113 has 136 MA's), (Start: 113 @1119 has 2 MA's), (237, 1281), (242, 1290), (278, 1350), (303, 1419), (316, 1440), (331, 1491), (430, 1695), (511, 1830), (553, 1908), (565, 1923), (571, 1941), (580, 1959), (599, 2001), (621, 2034), (634, 2052), (710, 2172), (711, 2175), (719, 2187), (725, 2199), (732, 2211), (770, 2262), (804, 2319), (810, 2325), (816, 2334), (829, 2343), (831, 2346), (953, 2508), (959, 2517), (964, 2526), (989, 2565),

Gene: Riverdale_5 Start: 3064, Stop: 4629, Start Num: 79

Candidate Starts for Riverdale_5:

(Start: 79 @3064 has 143 MA's), (Start: 234 @3274 has 4 MA's), (275, 3328), (299, 3394), (310, 3418), (411, 3634), (416, 3649), (418, 3655), (431, 3715), (495, 3874), (522, 3904), (529, 3919), (584, 4000), (630, 4078), (636, 4087), (669, 4123), (686, 4162), (707, 4195), (715, 4204), (730, 4231), (773, 4285), (799, 4327), (852, 4372), (865, 4393), (877, 4417), (956, 4495), (1045, 4615),

Gene: Roberts_4 Start: 1251, Stop: 2789, Start Num: 148

Candidate Starts for Roberts_4:

(Start: 148 @1251 has 1 MA's), (179, 1296), (285, 1455), (308, 1518), (340, 1605), (428, 1845), (430, 1857), (447, 1914), (536, 2073), (579, 2160), (666, 2292), (769, 2460), (882, 2592),

Gene: RockyHorror_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for RockyHorror_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504,

1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Rollins_2 Start: 653, Stop: 2215, Start Num: 135

Candidate Starts for Rollins_2:

(Start: 135 @653 has 81 MA's), (Start: 211 @761 has 3 MA's), (242, 809), (299, 917), (302, 923), (307, 932), (309, 938), (310, 941), (349, 1037), (401, 1100), (431, 1214), (449, 1274), (455, 1292), (572, 1520), (592, 1565), (678, 1703), (921, 2030), (1050, 2204), (1052, 2207),

Gene: Rona_3 Start: 944, Stop: 2563, Start Num: 135

Candidate Starts for Rona_3:

(1, 410), (Start: 123 @938 has 2 MA's), (Start: 135 @944 has 81 MA's), (242, 1100), (293, 1190), (299, 1208), (307, 1223), (335, 1292), (344, 1316), (356, 1334), (401, 1391), (417, 1442), (418, 1445), (431, 1505), (437, 1526), (445, 1553), (455, 1583), (632, 1922), (713, 2045), (926, 2360), (956, 2399), (1045, 2516),

Gene: Ronaldo_37 Start: 10775, Stop: 12181, Start Num: 182

Candidate Starts for Ronaldo_37:

(146, 10718), (Start: 182 @10775 has 6 MA's), (268, 10901), (290, 10961), (293, 10970), (329, 11054), (351, 11108), (416, 11234), (418, 11240), (422, 11258), (439, 11324), (463, 11378), (481, 11411), (511, 11456), (579, 11549), (631, 11627), (663, 11672), (670, 11690), (713, 11753), (717, 11759), (798, 11885), (841, 11930), (853, 11948), (991, 12122),

Gene: Ronnie_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Ronnie_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Root_4 Start: 1296, Stop: 2876, Start Num: 65

Candidate Starts for Root_4:

(Start: 65 @1296 has 2 MA's), (98, 1347), (Start: 106 @1356 has 2 MA's), (178, 1443), (Start: 224 @1515 has 1 MA's), (Start: 234 @1533 has 4 MA's), (275, 1593), (278, 1596), (285, 1605), (291, 1635), (331, 1737), (349, 1779), (417, 1893), (418, 1896), (429, 1941), (441, 1986), (444, 1995), (566, 2175), (572, 2187), (574, 2193), (590, 2229), (596, 2241), (667, 2337), (710, 2424), (730, 2460), (740, 2472), (749, 2481), (760, 2493), (774, 2523), (785, 2541), (831, 2598), (847, 2622), (915, 2709), (937, 2733), (947, 2745), (963, 2772),

Gene: Rooter_3 Start: 342, Stop: 1781, Start Num: 167

Candidate Starts for Rooter_3:

(Start: 167 @342 has 21 MA's), (Start: 211 @417 has 3 MA's), (281, 525), (283, 531), (287, 549), (294, 576), (295, 579), (323, 642), (330, 666), (382, 744), (400, 774), (418, 834), (426, 867), (428, 876), (430, 888), (442, 918), (443, 921), (458, 957), (464, 969), (542, 1077), (557, 1104), (608, 1203), (667, 1284), (682, 1320), (703, 1350), (707, 1356), (732, 1395), (741, 1407), (756, 1422), (762, 1431), (764, 1437), (825, 1527), (910, 1623),

Gene: RoscoWindex_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for RoscoWindex_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599,

1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Rose5_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Rose5_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: RoseMarie_14 Start: 4966, Stop: 6510, Start Num: 102

Candidate Starts for RoseMarie_14:

(Start: 102 @4966 has 21 MA's), (Start: 145 @5014 has 1 MA's), (330, 5353), (418, 5515), (425, 5545), (430, 5569), (530, 5755), (558, 5806), (598, 5878), (663, 5929), (667, 5941), (676, 5965), (720, 6040), (727, 6052), (764, 6112), (782, 6145), (796, 6166), (804, 6178), (827, 6205), (854, 6235), (865, 6253), (995, 6439), (1008, 6460),

Gene: Rosmarinus_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Rosmarinus_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Rossetti_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Rossetti_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (281, 1351), (286, 1366), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (854, 2407), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Rozby_5 Start: 3064, Stop: 4629, Start Num: 79

Candidate Starts for Rozby_5:

(Start: 79 @3064 has 143 MA's), (Start: 234 @3274 has 4 MA's), (275, 3328), (299, 3394), (310, 3418), (411, 3634), (415, 3646), (416, 3649), (418, 3655), (431, 3715), (449, 3775), (495, 3874), (522, 3904), (529, 3919), (584, 4000), (630, 4078), (636, 4087), (669, 4123), (686, 4162), (707, 4195), (715, 4204), (730, 4231), (773, 4285), (799, 4327), (852, 4372), (865, 4393), (877, 4417), (956, 4495), (1045, 4615),

Gene: Rubeelu_2 Start: 495, Stop: 2030, Start Num: 160

Candidate Starts for Rubeelu_2:

(Start: 160 @495 has 25 MA's), (Start: 164 @498 has 29 MA's), (Start: 175 @513 has 1 MA's), (200, 570), (212, 588), (219, 600), (273, 672), (290, 720), (293, 729), (321, 792), (354, 864), (377, 912), (416, 1011), (429, 1062), (455, 1134), (462, 1149), (469, 1167), (536, 1275), (546, 1299), (579, 1362), (631, 1446), (667, 1503), (673, 1518), (704, 1575), (716, 1593), (731, 1620), (766, 1689), (799, 1746), (816, 1755), (841, 1776), (867, 1809), (889, 1845), (900, 1860), (969, 1941), (974, 1947),

Gene: Ruchi_3 Start: 1027, Stop: 2607, Start Num: 150

Candidate Starts for Ruchi_3:

(68, 937), (Start: 84 @961 has 12 MA's), (Start: 150 @1027 has 12 MA's), (Start: 213 @1123 has 10 MA's), (215, 1126), (218, 1132), (285, 1225), (294, 1264), (299, 1279), (310, 1303), (356, 1405), (431, 1576), (435, 1588), (449, 1636), (457, 1657), (482, 1717), (493, 1747), (498, 1756), (536, 1819), (594, 1936), (664, 2035), (669, 2047), (705, 2113), (715, 2128), (732, 2158), (768, 2197), (772, 2206), (775, 2215), (799, 2251), (840, 2305), (985, 2515), (1017, 2557), (1047, 2596),

Gene: Rumpelstiltskin_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Rumpelstiltskin_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (296, 1408), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (457, 1795), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Ruriko_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Ruriko_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Ruthiejr_8 Start: 2201, Stop: 3646, Start Num: 162

Candidate Starts for Ruthiejr_8:

(Start: 162 @2201 has 165 MA's), (Start: 225 @2306 has 18 MA's), (279, 2390), (283, 2399), (295, 2447), (300, 2462), (315, 2489), (330, 2540), (339, 2558), (361, 2588), (383, 2615), (415, 2693), (426, 2735), (428, 2744), (429, 2747), (458, 2825), (462, 2834), (503, 2873), (548, 2939), (574, 2987), (593, 3029), (604, 3053), (670, 3146), (689, 3188), (713, 3233), (764, 3302), (789, 3347), (804, 3368), (825, 3392), (969, 3569), (1025, 3635), (1029, 3641),

Gene: Ruthy_2 Start: 434, Stop: 1993, Start Num: 155

Candidate Starts for Ruthy_2:

(33, 278), (Start: 50 @302 has 3 MA's), (75, 335), (93, 365), (Start: 155 @434 has 6 MA's), (192, 500), (230, 560), (238, 569), (261, 608), (324, 758), (330, 779), (331, 782), (356, 824), (397, 878), (428, 986), (457, 1070), (458, 1073), (493, 1136), (500, 1166), (509, 1184), (511, 1187), (622, 1376), (664, 1430), (667, 1439), (670, 1445), (711, 1514), (735, 1550), (741, 1559), (749, 1568), (764, 1595), (766, 1598), (779, 1625), (825, 1685), (847, 1706), (908, 1811), (930, 1844), (1034, 1973),

Gene: Ryadel_33 Start: 13890, Stop: 15404, Start Num: 73

Candidate Starts for Ryadel_33:

(Start: 73 @13890 has 42 MA's), (Start: 76 @13893 has 13 MA's), (Start: 211 @14073 has 3 MA's), (267, 14166), (294, 14241), (310, 14274), (321, 14301), (330, 14331), (415, 14484), (417, 14490), (426, 14526), (428, 14535), (458, 14616), (462, 14625), (464, 14628), (504, 14667), (544, 14724), (564, 14760), (566, 14763), (666, 14919), (670, 14928), (707, 14997), (713, 15006), (717, 15012), (739, 15045), (766, 15081), (825, 15168), (847, 15189), (903, 15252), (904, 15255), (907, 15258), (919, 15276), (938, 15297), (969, 15339), (999, 15375), (1019, 15387),

Gene: Ryan_6 Start: 2079, Stop: 3779, Start Num: 115

Candidate Starts for Ryan_6:

(72, 2022), (Start: 95 @2058 has 13 MA's), (Start: 115 @2079 has 16 MA's), (199, 2202), (Start: 213 @2223 has 10 MA's), (242, 2271), (278, 2316), (283, 2319), (293, 2361), (299, 2379), (300, 2382), (321, 2424), (356, 2505), (358, 2508), (401, 2562), (431, 2676), (449, 2736), (457, 2757), (553, 2988), (584, 3054), (592, 3069), (678, 3240), (715, 3297), (741, 3339), (770, 3372), (794, 3411), (837, 3453),

(921, 3552), (934, 3570), (937, 3573), (942, 3579), (985, 3642), (1020, 3687), (1058, 3768),

Gene: SFuller_9 Start: 5560, Stop: 7113, Start Num: 156

Candidate Starts for SFuller_9:

(Start: 152 @5554 has 2 MA's), (Start: 156 @5560 has 1 MA's), (284, 5794), (358, 5971), (376, 6007), (377, 6010), (420, 6121), (425, 6139), (429, 6154), (438, 6181), (579, 6433), (592, 6454), (622, 6505), (735, 6697), (863, 6880), (900, 6943), (910, 6958), (930, 6982), (999, 7060),

Gene: SKKY_2 Start: 385, Stop: 1896, Start Num: 157

Candidate Starts for SKKY_2:

(Start: 157 @385 has 40 MA's), (Start: 181 @424 has 1 MA's), (186, 442), (217, 487), (238, 514), (240, 517), (278, 565), (283, 574), (285, 580), (291, 610), (294, 619), (296, 625), (315, 658), (321, 676), (329, 700), (330, 706), (347, 745), (350, 754), (352, 757), (372, 796), (374, 799), (404, 868), (416, 913), (417, 916), (422, 937), (426, 952), (428, 961), (430, 973), (442, 1012), (451, 1033), (457, 1048), (458, 1051), (460, 1054), (464, 1060), (469, 1075), (513, 1141), (531, 1162), (579, 1234), (620, 1300), (648, 1333), (725, 1483), (730, 1492), (741, 1504), (764, 1537), (774, 1558), (775, 1561), (777, 1564), (790, 1576), (816, 1606), (843, 1633), (855, 1654), (872, 1675), (891, 1711), (893, 1714), (900, 1726), (917, 1738), (967, 1804), (974, 1813), (977, 1819), (995, 1840), (1023, 1882), (1028, 1888),

Gene: Sachet_3 Start: 1080, Stop: 2534, Start Num: 113

Candidate Starts for Sachet_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Sage7_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Sage7_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Sahara_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Sahara_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: SallySpecial_2 Start: 441, Stop: 1871, Start Num: 164

Candidate Starts for SallySpecial_2:

(Start: 69 @354 has 1 MA's), (90, 387), (Start: 118 @420 has 7 MA's), (Start: 164 @441 has 29 MA's), (Start: 213 @519 has 10 MA's), (Start: 224 @537 has 1 MA's), (275, 609), (283, 615), (285, 621), (290, 648), (296, 666), (302, 681), (330, 747), (331, 750), (350, 801), (370, 837), (407, 882), (431, 978), (441, 1011), (495, 1092), (537, 1149), (665, 1335), (667, 1341), (686, 1386), (698, 1404), (749, 1479), (767, 1506), (785, 1539), (838, 1596), (915, 1692), (928, 1704), (990, 1797), (1032, 1845),

Gene: SamScheppers_7 Start: 2180, Stop: 3520, Start Num: 225

Candidate Starts for SamScheppers_7:

(Start: 162 @2075 has 165 MA's), (Start: 225 @2180 has 18 MA's), (279, 2264), (283, 2273), (291, 2309), (295, 2321), (300, 2336), (315, 2363), (330, 2414), (339, 2432), (361, 2462), (383, 2489), (415,

2567), (428, 2618), (429, 2621), (458, 2699), (462, 2708), (503, 2747), (548, 2813), (574, 2861), (593, 2903), (670, 3020), (689, 3062), (713, 3107), (764, 3176), (789, 3221), (804, 3242), (825, 3266), (969, 3443), (1025, 3509), (1029, 3515),

Gene: SamW_2 Start: 374, Stop: 1957, Start Num: 129

Candidate Starts for SamW_2:

(Start: 126 @371 has 4 MA's), (Start: 129 @374 has 4 MA's), (Start: 135 @380 has 81 MA's), (246, 551), (275, 629), (284, 638), (348, 812), (413, 914), (415, 920), (418, 929), (419, 938), (434, 998), (448, 1046), (449, 1049), (512, 1112), (561, 1205), (594, 1271), (690, 1427), (701, 1445), (733, 1490), (758, 1532), (781, 1568), (790, 1583), (811, 1610), (813, 1613), (821, 1628), (841, 1661), (852, 1676), (879, 1724), (909, 1754), (922, 1772), (973, 1847), (1029, 1922), (1046, 1946),

Gene: Samba_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Samba_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (877, 1689), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Samman98_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Samman98_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (216, 973), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (431, 1438), (458, 1510), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Samty_5 Start: 1186, Stop: 2751, Start Num: 79

Candidate Starts for Samty_5:

(Start: 79 @1186 has 143 MA's), (Start: 82 @1192 has 6 MA's), (203, 1363), (281, 1468), (285, 1480), (343, 1636), (347, 1645), (354, 1648), (355, 1651), (398, 1726), (415, 1780), (416, 1783), (417, 1786), (522, 2017), (563, 2092), (577, 2113), (579, 2119), (624, 2188), (653, 2212), (664, 2230), (670, 2245), (732, 2359), (764, 2398), (768, 2404), (810, 2470), (877, 2560), (884, 2572), (920, 2611), (995, 2698), (1028, 2743), (1029, 2746),

Gene: SamuelLPlaqson_8 Start: 1566, Stop: 2987, Start Num: 162

Candidate Starts for SamuelLPlaqson_8:

(Start: 85 @1494 has 1 MA's), (114, 1533), (Start: 153 @1554 has 11 MA's), (Start: 162 @1566 has 165 MA's), (Start: 225 @1677 has 18 MA's), (229, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (330, 1905), (356, 1947), (361, 1953), (383, 1980), (386, 1983), (400, 2007), (426, 2100), (428, 2109), (458, 2190), (466, 2208), (548, 2304), (574, 2352), (579, 2364), (593, 2394), (604, 2418), (612, 2430), (667, 2508), (670, 2514), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: SanaSana_4 Start: 960, Stop: 2585, Start Num: 135

Candidate Starts for SanaSana_4:

(Start: 135 @960 has 81 MA's), (242, 1116), (299, 1224), (307, 1239), (335, 1308), (358, 1353), (417, 1458), (418, 1461), (431, 1521), (436, 1539), (437, 1542), (445, 1569), (455, 1599), (536, 1761), (665, 1977), (705, 2052), (713, 2064), (956, 2418), (987, 2466),

Gene: Sandman_4 Start: 874, Stop: 2364, Start Num: 112

Candidate Starts for Sandman_4:

(Start: 112 @874 has 46 MA's), (159, 919), (Start: 224 @1021 has 1 MA's), (Start: 234 @1039 has 4 MA's), (241, 1048), (275, 1099), (278, 1102), (285, 1111), (291, 1141), (300, 1168), (344, 1267), (409, 1366), (416, 1390), (417, 1393), (418, 1396), (429, 1441), (566, 1675), (590, 1723), (596, 1735), (618, 1774), (630, 1792), (657, 1804), (660, 1807), (667, 1828), (670, 1834), (674, 1846), (715, 1924), (753, 1978), (785, 2032), (795, 2044), (836, 2089), (868, 2137), (947, 2221), (985, 2278), (1036, 2347),

Gene: SansAfet_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for SansAfet_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: SantasSleigh_3 Start: 1110, Stop: 2570, Start Num: 107

Candidate Starts for SantasSleigh_3:

(Start: 107 @1110 has 136 MA's), (Start: 113 @1116 has 2 MA's), (237, 1278), (242, 1287), (278, 1347), (303, 1416), (316, 1437), (331, 1488), (430, 1692), (553, 1905), (565, 1920), (580, 1956), (599, 1998), (621, 2031), (634, 2049), (710, 2169), (711, 2172), (719, 2184), (770, 2259), (810, 2322), (829, 2340), (831, 2343), (953, 2505), (959, 2514), (964, 2523), (989, 2562),

Gene: Santhid_2 Start: 511, Stop: 2100, Start Num: 112

Candidate Starts for Santhid_2:

(Start: 112 @511 has 46 MA's), (218, 646), (222, 652), (245, 694), (283, 733), (291, 769), (310, 817), (335, 877), (356, 919), (358, 922), (371, 946), (372, 949), (401, 976), (419, 1039), (437, 1111), (446, 1141), (448, 1147), (449, 1150), (584, 1417), (592, 1432), (594, 1435), (600, 1447), (650, 1507), (672, 1552), (678, 1570), (683, 1579), (700, 1609), (773, 1702), (785, 1723), (792, 1732), (835, 1792), (852, 1816), (871, 1852), (987, 2017), (1000, 2035), (1047, 2089),

Gene: Saphira_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Saphira_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (241, 974), (275, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (329, 1160), (349, 1205), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (435, 1391), (437, 1400), (461, 1466), (517, 1529), (525, 1541), (553, 1583), (566, 1601), (596, 1661), (630, 1718), (657, 1730), (667, 1754), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (800, 1979), (865, 2054), (868, 2063), (893, 2090), (947, 2147), (982, 2201), (1036, 2273),

Gene: Sapo_1 Start: 60, Stop: 1748, Start Num: 19

Candidate Starts for Sapo_1:

(Start: 19 @60 has 4 MA's), (415, 750), (419, 768), (437, 840), (449, 879), (559, 1032), (597, 1107), (612, 1134), (683, 1245), (686, 1251), (690, 1257), (715, 1293), (773, 1383), (816, 1437), (841, 1470), (1000, 1680), (1003, 1683),

Gene: SarBear_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for SarBear_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Sara_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Sara_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829,

2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Sarge_2 Start: 371, Stop: 1759, Start Num: 187

Candidate Starts for Sarge_2:

(37, 170), (40, 173), (Start: 50 @185 has 3 MA's), (100, 257), (Start: 153 @311 has 11 MA's), (Start: 187 @371 has 6 MA's), (198, 392), (Start: 211 @413 has 3 MA's), (232, 446), (251, 482), (281, 527), (282, 530), (290, 566), (295, 581), (310, 611), (321, 638), (361, 716), (400, 770), (428, 872), (429, 875), (469, 980), (570, 1106), (574, 1115), (665, 1256), (667, 1262), (670, 1268), (703, 1328), (707, 1334), (732, 1373), (756, 1400), (762, 1409), (810, 1487), (825, 1505), (879, 1562), (972, 1682), (986, 1703), (1025, 1748),

Gene: Sarma624_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Sarma624_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Sarshaun_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Sarshaun_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Savage_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Savage_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Savage2526_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Savage2526_5:

(Start: 79 @3127 has 143 MA's), (Start: 234 @3337 has 4 MA's), (237, 3340), (275, 3391), (299, 3457), (310, 3481), (411, 3697), (416, 3712), (418, 3718), (431, 3778), (453, 3850), (495, 3937), (522, 3967), (529, 3982), (584, 4063), (630, 4141), (636, 4150), (669, 4186), (686, 4225), (707, 4258), (715, 4267), (730, 4294), (773, 4348), (799, 4390), (852, 4435), (865, 4456), (877, 4480), (956, 4558), (1045, 4678),

Gene: Sbash_2 Start: 488, Stop: 2038, Start Num: 158

Candidate Starts for Sbash_2:

(Start: 158 @488 has 9 MA's), (200, 566), (212, 584), (282, 677), (299, 740), (321, 785), (331, 818), (378, 914), (398, 950), (410, 989), (416, 1004), (426, 1043), (429, 1055), (433, 1073), (440, 1088), (455, 1127), (472, 1166), (536, 1268), (546, 1292), (647, 1454), (667, 1496), (682, 1535), (731, 1610), (746, 1640), (782, 1709), (784, 1712), (816, 1754), (878, 1844), (900, 1880), (910, 1895), (961, 1952), (969, 1961), (974, 1967), (981, 1979), (993, 1988), (1014, 2015),

Gene: Scamander_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Scamander_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Scarlett_7 Start: 1481, Stop: 2905, Start Num: 162

Candidate Starts for Scarlett_7:

(Start: 162 @1481 has 165 MA's), (Start: 211 @1568 has 3 MA's), (Start: 225 @1592 has 18 MA's), (229, 1598), (279, 1676), (283, 1685), (285, 1691), (295, 1733), (302, 1751), (315, 1769), (330, 1820), (355, 1859), (383, 1895), (415, 1973), (426, 2015), (428, 2024), (458, 2105), (548, 2219), (572, 2261), (574, 2267), (579, 2279), (593, 2309), (604, 2333), (612, 2345), (621, 2360), (670, 2429), (691, 2471), (764, 2570), (782, 2603), (784, 2606), (810, 2642), (825, 2660), (1025, 2894),

Gene: Schiebel_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Schiebel_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Schiebs_2 Start: 487, Stop: 1824, Start Num: 208

Candidate Starts for Schiebs_2:

(Start: 118 @397 has 7 MA's), (Start: 208 @487 has 2 MA's), (Start: 213 @496 has 10 MA's), (Start: 224 @514 has 1 MA's), (233, 529), (245, 553), (285, 598), (292, 631), (296, 643), (310, 676), (335, 730), (355, 772), (371, 802), (372, 805), (418, 886), (423, 910), (429, 931), (446, 994), (598, 1222), (653, 1282), (662, 1294), (666, 1306), (668, 1309), (674, 1324), (686, 1351), (688, 1354), (713, 1396), (749, 1447), (768, 1474), (770, 1480), (838, 1564), (849, 1570), (932, 1666), (945, 1681), (956, 1699), (987, 1747), (994, 1759),

Gene: Schism_6 Start: 1957, Stop: 3657, Start Num: 115

Candidate Starts for Schism_6:

(72, 1900), (Start: 95 @1936 has 13 MA's), (Start: 115 @1957 has 16 MA's), (199, 2080), (Start: 213 @2101 has 10 MA's), (242, 2149), (278, 2194), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (401, 2440), (431, 2554), (449, 2614), (457, 2635), (485, 2701), (553, 2866), (584, 2932), (592, 2947), (678, 3118), (707, 3166), (715, 3175), (741, 3217), (770, 3250), (794, 3289), (837, 3331), (865, 3373), (913, 3421), (934, 3448), (937, 3451), (942, 3457), (956, 3478), (985, 3520), (1058, 3646),

Gene: Schmidt_5 Start: 1915, Stop: 3552, Start Num: 65

Candidate Starts for Schmidt_5:

(Start: 50 @1897 has 3 MA's), (Start: 65 @1915 has 2 MA's), (144, 1987), (154, 1999), (Start: 213 @2089 has 10 MA's), (218, 2098), (278, 2182), (283, 2185), (284, 2188), (296, 2236), (310, 2269), (401, 2428), (416, 2476), (418, 2482), (438, 2566), (439, 2569), (440, 2572), (448, 2599), (449, 2602), (561, 2761), (584, 2809), (592, 2824), (599, 2839), (634, 2893), (661, 2941), (670, 2965), (684, 3007), (706, 3040), (713, 3049), (730, 3079), (757, 3109), (770, 3127), (773, 3133), (794, 3166), (818, 3199), (882, 3304), (901, 3331), (905, 3337), (961, 3412), (1012, 3475), (1044, 3523), (1054, 3544),

Gene: Schnabeltier_2 Start: 521, Stop: 2170, Start Num: 94

Candidate Starts for Schnabeltier_2:

(Start: 94 @521 has 4 MA's), (Start: 235 @719 has 15 MA's), (238, 722), (330, 932), (335, 941), (343, 962), (371, 1007), (431, 1190), (493, 1325), (540, 1391), (562, 1433), (639, 1547), (649, 1565), (654, 1568), (732, 1712), (739, 1721), (810, 1832), (825, 1850), (877, 1922), (895, 1958), (939, 2012), (977,

2072), (1009, 2123),

Gene: Schnauzer_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Schnauzer_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: SchoolBus_30 Start: 13077, Stop: 14591, Start Num: 73

Candidate Starts for SchoolBus_30:

(Start: 73 @13077 has 42 MA's), (Start: 76 @13080 has 13 MA's), (Start: 211 @13260 has 3 MA's), (267, 13353), (294, 13428), (310, 13461), (321, 13488), (330, 13518), (415, 13671), (417, 13677), (426, 13713), (428, 13722), (458, 13803), (462, 13812), (464, 13815), (504, 13854), (544, 13911), (564, 13947), (566, 13950), (666, 14106), (670, 14115), (707, 14184), (713, 14193), (717, 14199), (739, 14232), (766, 14268), (825, 14355), (847, 14376), (903, 14439), (904, 14442), (907, 14445), (919, 14463), (938, 14484), (969, 14526), (999, 14562), (1019, 14574),

Gene: Schuy_32 Start: 13466, Stop: 14977, Start Num: 76

Candidate Starts for Schuy_32:

(Start: 73 @13463 has 42 MA's), (Start: 76 @13466 has 13 MA's), (Start: 211 @13646 has 3 MA's), (267, 13739), (294, 13814), (310, 13847), (321, 13874), (330, 13904), (415, 14057), (417, 14063), (426, 14099), (428, 14108), (458, 14189), (462, 14198), (464, 14201), (504, 14240), (544, 14297), (564, 14333), (566, 14336), (666, 14492), (670, 14501), (707, 14570), (713, 14579), (717, 14585), (739, 14618), (766, 14654), (825, 14741), (847, 14762), (903, 14825), (904, 14828), (907, 14831), (919, 14849), (938, 14870), (969, 14912), (999, 14948), (1019, 14960),

Gene: Scitech_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Scitech_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Scrunchy_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Scrunchy_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Scuttle_5 Start: 3343, Stop: 4698, Start Num: 234

Candidate Starts for Scuttle_5:

(Start: 79 @3133 has 143 MA's), (Start: 234 @3343 has 4 MA's), (275, 3397), (296, 3454), (299, 3463), (310, 3487), (411, 3703), (416, 3718), (418, 3724), (431, 3784), (449, 3844), (495, 3943), (522, 3973), (529, 3988), (584, 4069), (630, 4147), (636, 4156), (669, 4192), (686, 4231), (707, 4264), (715, 4273), (730, 4300), (773, 4354), (799, 4396), (852, 4441), (865, 4462), (877, 4486), (956, 4564), (1045, 4684),

Gene: SeaWolves_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for SeaWolves_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Seagreen_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Seagreen_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102),

Gene: Sekhmet_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Sekhmet_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (410, 1357), (426, 1414), (428, 1423), (431, 1438), (458, 1510), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Sephiroth_13 Start: 5118, Stop: 6593, Start Num: 158

Candidate Starts for Sephiroth_13:

(Start: 158 @5118 has 9 MA's), (251, 5265), (281, 5304), (285, 5316), (329, 5439), (330, 5445), (376, 5526), (398, 5580), (400, 5583), (418, 5640), (428, 5682), (430, 5694), (440, 5718), (447, 5742), (467, 5784), (579, 5964), (607, 6006), (665, 6087), (682, 6132), (697, 6156), (725, 6201), (768, 6261), (812, 6324), (816, 6330), (871, 6402), (884, 6420), (892, 6438), (981, 6537), (996, 6555), (1018, 6585),

Gene: Sergei_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Sergei_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (732, 1598), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: SerialPhiller_2 Start: 412, Stop: 1926, Start Num: 92

Candidate Starts for SerialPhiller_2:

(59, 361), (Start: 92 @412 has 1 MA's), (Start: 101 @424 has 5 MA's), (122, 448), (Start: 153 @472 has 11 MA's), (Start: 224 @583 has 1 MA's), (241, 610), (285, 673), (291, 703), (294, 712), (300, 730), (349, 841), (371, 874), (417, 955), (429, 1003), (452, 1084), (553, 1219), (570, 1246), (596, 1297), (614, 1330), (730, 1513), (795, 1606), (831, 1645), (836, 1651), (847, 1660), (868, 1699), (947, 1783), (956, 1798), (994, 1858), (1024, 1888),

Gene: Seume_4 Start: 596, Stop: 2086, Start Num: 112

Candidate Starts for Seume_4:

(Start: 112 @596 has 46 MA's), (159, 641), (Start: 224 @743 has 1 MA's), (Start: 234 @761 has 4 MA's), (241, 770), (275, 821), (278, 824), (285, 833), (291, 863), (300, 890), (344, 989), (409, 1088), (416, 1112), (417, 1115), (418, 1118), (429, 1163), (508, 1313), (566, 1397), (590, 1445), (596, 1457), (618, 1496), (630, 1514), (657, 1526), (660, 1529), (667, 1550), (670, 1556), (674, 1568), (715, 1646), (753, 1700), (785, 1754), (795, 1766), (868, 1859), (947, 1943), (985, 2000), (1036, 2069),

Gene: SgtBeansprout_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for SgtBeansprout_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: ShaboiShabazz_2 Start: 458, Stop: 1891, Start Num: 172

Candidate Starts for ShaboiShabazz_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Shaboozey_6 Start: 2259, Stop: 3791, Start Num: 167

Candidate Starts for Shaboozey_6:

(Start: 94 @2175 has 4 MA's), (131, 2217), (139, 2226), (Start: 167 @2259 has 21 MA's), (Start: 235 @2373 has 15 MA's), (284, 2469), (285, 2472), (296, 2517), (328, 2592), (398, 2703), (400, 2706), (410, 2742), (420, 2775), (546, 3024), (579, 3087), (592, 3114), (617, 3159), (680, 3273), (704, 3309), (725, 3339), (730, 3348), (766, 3402), (777, 3426), (969, 3660), (977, 3672),

Gene: Shadow1_6 Start: 1423, Stop: 2850, Start Num: 162

Candidate Starts for Shadow1_6:

(77, 1339), (Start: 162 @1423 has 165 MA's), (Start: 211 @1513 has 3 MA's), (Start: 225 @1537 has 18 MA's), (279, 1621), (283, 1630), (295, 1678), (302, 1696), (330, 1765), (355, 1804), (383, 1840), (415, 1918), (426, 1960), (428, 1969), (458, 2050), (503, 2098), (548, 2164), (572, 2206), (574, 2212), (579, 2224), (581, 2230), (593, 2254), (604, 2278), (608, 2284), (621, 2305), (670, 2374), (691, 2416), (762, 2509), (764, 2515), (766, 2518), (784, 2551), (804, 2581), (825, 2605), (869, 2653), (969, 2782), (1025, 2839), (1029, 2845),

Gene: Shagrat_8 Start: 5149, Stop: 6693, Start Num: 152

Candidate Starts for Shagrat_8:

(Start: 152 @5149 has 2 MA's), (333, 5524), (418, 5680), (420, 5692), (422, 5698), (429, 5725), (430, 5734), (443, 5776), (579, 6013), (625, 6088), (680, 6193), (704, 6229), (743, 6286), (764, 6334), (779, 6364), (862, 6466), (900, 6532), (941, 6583), (1005, 6652),

Gene: Shaobing_8 Start: 1660, Stop: 3090, Start Num: 162

Candidate Starts for Shaobing_8:

(105, 1618), (Start: 153 @1648 has 11 MA's), (Start: 162 @1660 has 165 MA's), (Start: 211 @1750 has 3 MA's), (Start: 225 @1774 has 18 MA's), (229, 1780), (249, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (330, 2002), (361, 2050), (426, 2197), (428, 2206), (503, 2335), (548, 2401), (572, 2443), (574, 2449), (579, 2461), (593, 2491), (604, 2515), (621, 2542), (670, 2611), (691, 2653), (713, 2683), (727, 2707), (766, 2755), (804, 2818), (825, 2842), (869, 2893), (904, 2932), (969, 3022), (1003, 3061), (1025, 3079), (1029, 3085),

Gene: Sharkboy_3 Start: 943, Stop: 2562, Start Num: 135

Candidate Starts for Sharkboy_3:

(1, 409), (Start: 123 @937 has 2 MA's), (Start: 135 @943 has 81 MA's), (242, 1099), (293, 1189), (299, 1207), (307, 1222), (335, 1291), (344, 1315), (356, 1333), (401, 1390), (417, 1441), (418, 1444), (431,

1504), (437, 1525), (445, 1552), (455, 1582), (632, 1921), (713, 2044), (926, 2359), (956, 2398), (1045, 2515),

Gene: ShawBrad_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for ShawBrad_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (256, 853), (276, 886), (292, 937), (295, 946), (315, 982), (328, 1024), (336, 1045), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (459, 1330), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (608, 1603), (651, 1657), (715, 1759), (732, 1786), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Shayna_2 Start: 648, Stop: 2282, Start Num: 135

Candidate Starts for Shayna_2:

(Start: 135 @648 has 81 MA's), (199, 738), (218, 765), (299, 912), (335, 996), (358, 1041), (392, 1086), (401, 1095), (431, 1209), (445, 1257), (455, 1287), (462, 1302), (497, 1383), (664, 1671), (956, 2115), (987, 2163), (1058, 2271),

Gene: ShedlockHolmes_7 Start: 1488, Stop: 2912, Start Num: 162

Candidate Starts for ShedlockHolmes_7:

(Start: 153 @1476 has 11 MA's), (Start: 162 @1488 has 165 MA's), (Start: 211 @1575 has 3 MA's), (Start: 225 @1599 has 18 MA's), (279, 1683), (283, 1692), (295, 1740), (302, 1758), (315, 1776), (330, 1827), (356, 1869), (361, 1875), (383, 1902), (415, 1980), (426, 2022), (428, 2031), (458, 2112), (466, 2130), (548, 2226), (574, 2274), (579, 2286), (593, 2316), (604, 2340), (612, 2352), (670, 2436), (691, 2478), (764, 2577), (766, 2580), (789, 2622), (799, 2637), (804, 2643), (823, 2664), (825, 2667), (969, 2844), (1029, 2907),

Gene: Shen_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Shen_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (Start: 224 @1072 has 1 MA's), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Sheng711_4 Start: 771, Stop: 2333, Start Num: 79

Candidate Starts for Sheng711_4:

(Start: 79 @771 has 143 MA's), (Start: 82 @777 has 6 MA's), (194, 927), (238, 993), (264, 1023), (281, 1047), (286, 1062), (296, 1104), (355, 1230), (417, 1368), (422, 1389), (428, 1413), (455, 1488), (477, 1536), (530, 1614), (540, 1635), (555, 1659), (558, 1665), (577, 1695), (579, 1701), (598, 1737), (670, 1827), (727, 1932), (732, 1941), (756, 1965), (768, 1986), (810, 2052), (884, 2154), (991, 2274), (995, 2280), (1008, 2301), (1028, 2325),

Gene: ShiaSurprise_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for ShiaSurprise_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Shida_31 Start: 13370, Stop: 14884, Start Num: 73

Candidate Starts for Shida_31:

(Start: 73 @13370 has 42 MA's), (Start: 76 @13373 has 13 MA's), (Start: 211 @13553 has 3 MA's),
(267, 13646), (268, 13649), (294, 13721), (310, 13754), (321, 13781), (330, 13811), (415, 13964),
(417, 13970), (426, 14006), (428, 14015), (458, 14096), (462, 14105), (464, 14108), (504, 14147),
(544, 14204), (564, 14240), (566, 14243), (666, 14399), (670, 14408), (707, 14477), (713, 14486),
(717, 14492), (739, 14525), (766, 14561), (825, 14648), (847, 14669), (903, 14732), (904, 14735),
(907, 14738), (919, 14756), (938, 14777), (969, 14819), (999, 14855), (1019, 14867),

Gene: Shipwreck_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for Shipwreck_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782),
(296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511,
1274), (540, 1325), (639, 1478), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884,
1856), (890, 1871), (1035, 2060),

Gene: Shlim410_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Shlim410_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630),
(315, 666), (336, 726), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (458,
1008), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677,
1365), (730, 1455), (732, 1458), (763, 1500), (782, 1536), (784, 1539), (810, 1575), (825, 1593), (855,
1629), (885, 1680), (925, 1743), (956, 1785), (994, 1827),

Gene: Shoya_2 Start: 342, Stop: 1781, Start Num: 167

Candidate Starts for Shoya_2:

(Start: 167 @342 has 21 MA's), (Start: 211 @417 has 3 MA's), (281, 525), (283, 531), (287, 549), (294,
576), (295, 579), (323, 642), (330, 666), (382, 744), (400, 774), (418, 834), (426, 867), (428, 876), (430,
888), (442, 918), (443, 921), (458, 957), (464, 969), (542, 1077), (557, 1104), (608, 1203), (667, 1284),
(682, 1320), (703, 1350), (707, 1356), (732, 1395), (741, 1407), (756, 1422), (762, 1431), (764, 1437),
(825, 1527), (910, 1623),

Gene: ShrimpFriedEgg_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for ShrimpFriedEgg_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200,
584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010),
(429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460),
(667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838),
(900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Shweta_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for Shweta_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200,
584), (212, 602), (219, 614), (Start: 235 @635 has 15 MA's), (238, 638), (273, 686), (293, 743), (321,
806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546,
1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841,
1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Sidious_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Sidious_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666),
(336, 726), (386, 798), (400, 819), (426, 912), (431, 936), (446, 978), (493, 1071), (540, 1137), (562,
1179), (608, 1254), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763,
1500), (766, 1506), (784, 1539), (810, 1575), (825, 1593), (855, 1629), (877, 1665), (884, 1677), (885,
1680), (925, 1743), (956, 1785), (994, 1827), (1015, 1857),

Gene: Silvafighter_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Silvafighter_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: SilverChicken_3 Start: 663, Stop: 2183, Start Num: 151

Candidate Starts for SilverChicken_3:

(Start: 118 @651 has 7 MA's), (Start: 151 @663 has 89 MA's), (Start: 225 @789 has 18 MA's), (231, 798), (256, 843), (274, 873), (276, 876), (281, 882), (292, 927), (300, 951), (315, 972), (328, 1014), (336, 1035), (353, 1062), (363, 1080), (365, 1083), (383, 1107), (400, 1134), (417, 1191), (426, 1227), (428, 1236), (430, 1248), (432, 1254), (439, 1269), (443, 1281), (453, 1308), (456, 1314), (459, 1320), (478, 1356), (491, 1365), (505, 1395), (524, 1425), (526, 1428), (576, 1524), (579, 1533), (591, 1560), (645, 1644), (662, 1659), (727, 1770), (732, 1779), (739, 1788), (782, 1851), (844, 1926), (851, 1938), (869, 1956), (903, 1992), (938, 2034), (943, 2040), (969, 2082), (975, 2094), (984, 2106), (1040, 2172),

Gene: Silverleaf_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Silverleaf_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Silvy_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Silvy_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: SimranZ1_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for SimranZ1_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Sippinontea_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Sippinontea_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770,

2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: SirBeanington_3 Start: 677, Stop: 2305, Start Num: 135

Candidate Starts for SirBeanington_3:

(Start: 135 @677 has 81 MA's), (242, 833), (299, 941), (335, 1025), (344, 1049), (356, 1067), (401, 1124), (417, 1175), (418, 1178), (431, 1238), (436, 1256), (445, 1286), (455, 1316), (705, 1772), (715, 1787), (956, 2138), (987, 2186), (1058, 2294),

Gene: SirPhilip_7 Start: 1382, Stop: 2806, Start Num: 162

Candidate Starts for SirPhilip_7:

(77, 1298), (Start: 153 @1370 has 11 MA's), (Start: 162 @1382 has 165 MA's), (Start: 211 @1469 has 3 MA's), (Start: 225 @1493 has 18 MA's), (229, 1499), (279, 1577), (283, 1586), (295, 1634), (302, 1652), (315, 1670), (321, 1691), (330, 1721), (331, 1724), (426, 1916), (428, 1925), (458, 2006), (548, 2120), (572, 2162), (574, 2168), (579, 2180), (593, 2210), (604, 2234), (612, 2246), (621, 2261), (670, 2330), (691, 2372), (764, 2471), (766, 2474), (782, 2504), (784, 2507), (810, 2543), (825, 2561), (969, 2738), (1025, 2795), (1029, 2801),

Gene: Sizemore_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Sizemore_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Skinny_15 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for Skinny_15:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (Start: 235 @4907 has 15 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: SkinnyPete_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for SkinnyPete_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (Start: 235 @635 has 15 MA's), (238, 638), (273, 686), (288, 722), (291, 737), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Skitty_2 Start: 424, Stop: 1761, Start Num: 225

Candidate Starts for Skitty_2:

(Start: 164 @316 has 29 MA's), (Start: 225 @424 has 18 MA's), (229, 430), (247, 466), (251, 472), (330, 658), (335, 667), (414, 805), (418, 820), (426, 853), (428, 862), (429, 865), (439, 895), (440, 898), (442, 904), (443, 907), (458, 943), (574, 1102), (579, 1114), (630, 1210), (664, 1252), (667, 1261), (672, 1273), (717, 1357), (766, 1423), (782, 1453), (784, 1456), (789, 1465), (812, 1492), (834, 1522), (849, 1537), (969, 1693),

Gene: Skylord_2 Start: 593, Stop: 2155, Start Num: 135

Candidate Starts for Skylord_2:

(Start: 135 @593 has 81 MA's), (Start: 211 @701 has 3 MA's), (242, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (349, 977), (401, 1040), (431, 1154), (449, 1214), (455, 1232), (572,

1460), (592, 1505), (678, 1643), (921, 1970), (1050, 2144), (1052, 2147),

Gene: Slarp_9 Start: 2478, Stop: 3920, Start Num: 162

Candidate Starts for Slarp_9:

(Start: 162 @2478 has 165 MA's), (Start: 225 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (330, 2817), (339, 2835), (361, 2865), (383, 2892), (415, 2970), (428, 3021), (429, 3024), (458, 3102), (462, 3111), (503, 3150), (548, 3216), (574, 3264), (593, 3306), (670, 3423), (689, 3465), (713, 3510), (764, 3579), (789, 3624), (804, 3645), (825, 3669), (969, 3846), (1025, 3909), (1029, 3915),

Gene: Slay_3 Start: 1159, Stop: 2781, Start Num: 135

Candidate Starts for Slay_3:

(Start: 135 @1159 has 81 MA's), (242, 1315), (299, 1423), (307, 1438), (321, 1468), (329, 1492), (335, 1507), (348, 1540), (401, 1606), (417, 1657), (418, 1660), (431, 1720), (455, 1798), (705, 2248), (715, 2263), (956, 2614), (1058, 2770),

Gene: Sleepyhead_2 Start: 439, Stop: 1917, Start Num: 143

Candidate Starts for Sleepyhead_2:

(Start: 143 @439 has 1 MA's), (299, 712), (341, 808), (417, 967), (418, 970), (471, 1126), (564, 1243), (599, 1309), (717, 1486), (723, 1498), (755, 1537), (765, 1555), (771, 1567), (798, 1609), (841, 1654), (995, 1864),

Gene: Slentz_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Slentz_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Slim_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Slim_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: SlimJimmy_13 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for SlimJimmy_13:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (Start: 235 @4907 has 15 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: Slimphazie_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for Slimphazie_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Slizam_3 Start: 1113, Stop: 2573, Start Num: 107

Candidate Starts for Slizam_3:

(Start: 107 @1113 has 136 MA's), (Start: 113 @1119 has 2 MA's), (237, 1281), (242, 1290), (278, 1350), (303, 1419), (316, 1440), (331, 1491), (430, 1695), (511, 1830), (553, 1908), (565, 1923), (571, 1941), (580, 1959), (599, 2001), (621, 2034), (634, 2052), (710, 2172), (711, 2175), (719, 2187), (725, 2199), (732, 2211), (770, 2262), (804, 2319), (810, 2325), (816, 2334), (829, 2343), (831, 2346), (953, 2508), (959, 2517), (964, 2526), (989, 2565),

Gene: Smilerella_2 Start: 176, Stop: 1804, Start Num: 118

Candidate Starts for Smilerella_2:

(Start: 118 @176 has 7 MA's), (Start: 160 @224 has 25 MA's), (196, 278), (253, 380), (260, 389), (279, 422), (291, 467), (295, 479), (310, 515), (318, 527), (333, 575), (354, 620), (359, 632), (401, 686), (415, 731), (428, 782), (434, 806), (442, 833), (523, 971), (540, 1007), (570, 1067), (708, 1307), (776, 1409), (783, 1421), (829, 1475), (856, 1511), (858, 1514), (883, 1559), (912, 1589), (927, 1607), (1036, 1751), (1049, 1778),

Gene: Smooch_33 Start: 14621, Stop: 16135, Start Num: 73

Candidate Starts for Smooch_33:

(Start: 73 @14621 has 42 MA's), (Start: 76 @14624 has 13 MA's), (Start: 211 @14804 has 3 MA's), (267, 14897), (294, 14972), (310, 15005), (321, 15032), (330, 15062), (415, 15215), (417, 15221), (426, 15257), (428, 15266), (458, 15347), (462, 15356), (464, 15359), (504, 15398), (544, 15455), (564, 15491), (566, 15494), (666, 15650), (670, 15659), (707, 15728), (713, 15737), (717, 15743), (739, 15776), (766, 15812), (825, 15899), (847, 15920), (903, 15983), (904, 15986), (907, 15989), (919, 16007), (938, 16028), (969, 16070), (999, 16106), (1019, 16118),

Gene: Smurph_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Smurph_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Sneeze_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Sneeze_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Snekmaggedon_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for Snekmaggedon_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Snenia_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for Snenia_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474), (855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: Snuffles_4 Start: 1283, Stop: 2743, Start Num: 107

Candidate Starts for Snuffles_4:

(Start: 107 @1283 has 136 MA's), (Start: 113 @1289 has 2 MA's), (237, 1451), (242, 1460), (278, 1520), (303, 1589), (316, 1610), (331, 1661), (430, 1865), (511, 2000), (565, 2093), (571, 2111), (580, 2129), (599, 2171), (621, 2204), (634, 2222), (710, 2342), (711, 2345), (719, 2357), (725, 2369), (732, 2381), (770, 2432), (804, 2489), (810, 2495), (816, 2504), (829, 2513), (831, 2516), (953, 2678), (959, 2687), (964, 2696), (989, 2735),

Gene: SoJulia_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for SoJulia_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: SoSeph_6 Start: 1347, Stop: 2774, Start Num: 168

Candidate Starts for SoSeph_6:

(77, 1254), (Start: 168 @1347 has 24 MA's), (198, 1404), (Start: 211 @1425 has 3 MA's), (Start: 225 @1449 has 18 MA's), (279, 1533), (283, 1542), (285, 1548), (295, 1590), (302, 1608), (315, 1626), (330, 1677), (383, 1752), (415, 1830), (426, 1872), (428, 1881), (429, 1884), (458, 1962), (548, 2076), (574, 2124), (593, 2166), (604, 2190), (612, 2202), (630, 2229), (665, 2274), (670, 2286), (762, 2433), (782, 2472), (825, 2529), (849, 2553), (869, 2577), (893, 2601), (965, 2700), (969, 2706), (1025, 2763),

Gene: Soap141_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Soap141_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Softsoap_3 Start: 689, Stop: 2317, Start Num: 135

Candidate Starts for Softsoap_3:

(Start: 135 @689 has 81 MA's), (242, 845), (299, 953), (307, 968), (335, 1037), (356, 1079), (401, 1136), (417, 1187), (418, 1190), (431, 1250), (436, 1268), (445, 1298), (455, 1328), (705, 1784), (715, 1799), (956, 2150), (987, 2198), (1058, 2306),

Gene: SoilAssassin_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for SoilAssassin_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Solea_4 Start: 1046, Stop: 2674, Start Num: 135

Candidate Starts for Solea_4:

(36, 932), (80, 986), (Start: 135 @1046 has 81 MA's), (242, 1202), (299, 1310), (335, 1394), (344, 1418), (356, 1436), (401, 1493), (417, 1544), (418, 1547), (431, 1607), (436, 1625), (445, 1655), (455, 1685), (705, 2141), (715, 2156), (956, 2507), (987, 2555), (1058, 2663),

Gene: Solid_2 Start: 377, Stop: 1888, Start Num: 157

Candidate Starts for Solid_2:

(Start: 157 @377 has 40 MA's), (Start: 181 @416 has 1 MA's), (186, 434), (207, 461), (217, 479), (238, 506), (240, 509), (278, 557), (283, 566), (285, 572), (294, 611), (296, 617), (315, 650), (321, 668), (329, 692), (330, 698), (347, 737), (350, 746), (352, 749), (372, 788), (374, 791), (404, 860), (416, 905), (417, 908), (422, 929), (426, 944), (428, 953), (451, 1025), (458, 1043), (460, 1046), (464, 1052), (469, 1067), (513, 1133), (531, 1154), (553, 1178), (579, 1226), (620, 1292), (648, 1325), (664, 1355), (679, 1397), (725, 1475), (730, 1484), (741, 1496), (764, 1529), (774, 1550), (775, 1553), (777, 1556), (790, 1568), (816, 1598), (819, 1604), (843, 1625), (855, 1646), (872, 1667), (891, 1703), (893, 1706), (900, 1718), (967, 1796), (974, 1805), (977, 1811), (984, 1820), (1023, 1874), (1028, 1880),

Gene: Sonah_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Sonah_2:

(Start: 56 @413 has 50 MA's), (141, 524), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (718, 1622), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Soul22_3 Start: 663, Stop: 2183, Start Num: 151

Candidate Starts for Soul22_3:

(Start: 118 @651 has 7 MA's), (Start: 151 @663 has 89 MA's), (Start: 225 @789 has 18 MA's), (231, 798), (256, 843), (274, 873), (276, 876), (281, 882), (292, 927), (300, 951), (315, 972), (328, 1014), (336, 1035), (353, 1062), (363, 1080), (365, 1083), (383, 1107), (400, 1134), (417, 1191), (426, 1227), (428, 1236), (430, 1248), (432, 1254), (439, 1269), (443, 1281), (456, 1314), (459, 1320), (478, 1356), (491, 1365), (505, 1395), (524, 1425), (526, 1428), (576, 1524), (579, 1533), (591, 1560), (645, 1644), (662, 1659), (727, 1770), (732, 1779), (739, 1788), (782, 1851), (844, 1926), (851, 1938), (869, 1956), (903, 1992), (938, 2034), (943, 2040), (969, 2082), (975, 2094), (984, 2106), (1040, 2172),

Gene: Sourignavong_5 Start: 901, Stop: 2391, Start Num: 112

Candidate Starts for Sourignavong_5:

(Start: 112 @901 has 46 MA's), (159, 946), (Start: 213 @1030 has 10 MA's), (Start: 224 @1048 has 1 MA's), (Start: 234 @1066 has 4 MA's), (241, 1075), (275, 1126), (278, 1129), (285, 1138), (291, 1168), (300, 1195), (344, 1294), (409, 1393), (416, 1417), (417, 1420), (418, 1423), (429, 1468), (566, 1702), (590, 1750), (596, 1762), (618, 1801), (630, 1819), (657, 1831), (660, 1834), (667, 1855), (670, 1861), (674, 1873), (715, 1951), (753, 2005), (785, 2059), (795, 2071), (868, 2164), (947, 2248), (985, 2305), (1036, 2374),

Gene: Spartan_2 Start: 389, Stop: 1936, Start Num: 132

Candidate Starts for Spartan_2:

(132, 389), (140, 398), (149, 404), (180, 449), (230, 542), (238, 551), (254, 581), (289, 659), (291, 665), (327, 749), (398, 863), (410, 902), (416, 920), (426, 959), (440, 1004), (443, 1013), (446, 1025), (464, 1073), (469, 1088), (551, 1220), (557, 1232), (562, 1241), (585, 1274), (619, 1334), (641, 1364), (654, 1382), (664, 1397), (665, 1400), (710, 1478), (725, 1505), (730, 1511), (762, 1556), (779, 1592), (804, 1628), (936, 1811), (950, 1832), (956, 1841), (968, 1859), (978, 1877), (983, 1883), (997, 1898),

Gene: Spartoi_2 Start: 378, Stop: 1808, Start Num: 164

Candidate Starts for Spartoi_2:

(Start: 110 @339 has 6 MA's), (125, 357), (Start: 164 @378 has 29 MA's), (210, 450), (Start: 225 @474 has 18 MA's), (247, 516), (267, 543), (287, 591), (290, 606), (315, 657), (330, 708), (336, 720), (414, 855), (418, 870), (426, 903), (428, 912), (429, 915), (442, 954), (443, 957), (574, 1152), (593, 1197), (667, 1302), (732, 1422), (766, 1464), (775, 1485), (784, 1497), (849, 1581), (859, 1596), (957, 1719), (986, 1764),

Gene: Spikelee_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Spikelee_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Spinach_2 Start: 512, Stop: 2044, Start Num: 164

Candidate Starts for Spinach_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Splinter_7 Start: 3467, Stop: 5074, Start Num: 110

Candidate Starts for Splinter_7:

(Start: 50 @3389 has 3 MA's), (Start: 110 @3467 has 6 MA's), (283, 3695), (310, 3779), (321, 3800), (328, 3821), (401, 3959), (418, 4013), (439, 4100), (440, 4103), (449, 4133), (536, 4238), (584, 4340), (657, 4463), (694, 4550), (705, 4565), (715, 4580), (761, 4643), (808, 4712), (836, 4754), (852, 4778), (881, 4829), (882, 4832), (905, 4865), (956, 4931), (988, 4982), (1050, 5060), (1054, 5066),

Gene: Spock_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Spock_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: SpongeBob_2 Start: 509, Stop: 2044, Start Num: 160

Candidate Starts for SpongeBob_2:

(Start: 160 @509 has 25 MA's), (Start: 164 @512 has 29 MA's), (Start: 175 @527 has 1 MA's), (200, 584), (212, 602), (219, 614), (273, 686), (288, 722), (293, 743), (321, 806), (377, 926), (410, 1010), (429, 1076), (455, 1148), (457, 1151), (462, 1163), (536, 1289), (546, 1313), (579, 1376), (631, 1460), (667, 1517), (673, 1532), (716, 1607), (726, 1625), (816, 1769), (841, 1790), (867, 1823), (878, 1838), (900, 1874), (967, 1952), (969, 1955), (974, 1961),

Gene: Spooky_3 Start: 672, Stop: 2189, Start Num: 151

Candidate Starts for Spooky_3:

(120, 663), (Start: 151 @672 has 89 MA's), (220, 789), (Start: 225 @798 has 18 MA's), (231, 807), (276, 885), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (339, 1050), (353, 1071), (363, 1089), (365, 1092), (367, 1095), (383, 1116), (400, 1143), (417, 1200), (422, 1221), (430, 1257), (432, 1263), (439, 1278), (443, 1290), (459, 1329), (507, 1410), (534, 1452), (576, 1533), (579,

1542), (591, 1569), (612, 1608), (630, 1635), (651, 1656), (715, 1758), (732, 1785), (844, 1932), (851, 1944), (869, 1962), (938, 2040), (941, 2043), (943, 2046), (969, 2088), (975, 2100), (984, 2112),

Gene: Sprinklemunch_2 Start: 432, Stop: 1991, Start Num: 155

Candidate Starts for Sprinklemunch_2:

(116, 390), (Start: 155 @432 has 6 MA's), (192, 498), (230, 558), (238, 567), (261, 606), (330, 777), (331, 780), (343, 807), (356, 822), (397, 876), (417, 939), (428, 984), (431, 999), (446, 1041), (458, 1071), (460, 1074), (493, 1134), (500, 1164), (509, 1182), (511, 1185), (622, 1374), (654, 1413), (664, 1431), (667, 1440), (670, 1446), (704, 1503), (711, 1515), (732, 1548), (735, 1551), (764, 1596), (766, 1599), (774, 1617), (779, 1626), (810, 1668), (825, 1686), (876, 1758), (886, 1776), (887, 1779), (908, 1812), (930, 1845), (952, 1875), (979, 1914),

Gene: Sproutie_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Sproutie_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Sputnik_3 Start: 604, Stop: 2115, Start Num: 106

Candidate Starts for Sputnik_3:

(Start: 79 @562 has 143 MA's), (Start: 106 @604 has 2 MA's), (Start: 224 @763 has 1 MA's), (252, 808), (283, 847), (285, 853), (291, 883), (295, 895), (302, 913), (344, 1009), (409, 1108), (416, 1132), (417, 1135), (429, 1183), (436, 1213), (441, 1228), (444, 1237), (446, 1246), (455, 1270), (570, 1426), (573, 1429), (596, 1477), (632, 1537), (655, 1546), (667, 1573), (688, 1624), (742, 1711), (760, 1729), (801, 1801), (845, 1843), (847, 1846), (865, 1876), (882, 1909), (893, 1912), (904, 1930),

Gene: Squiddly_4 Start: 1362, Stop: 2879, Start Num: 151

Candidate Starts for Squiddly_4:

(120, 1353), (Start: 151 @1362 has 89 MA's), (220, 1479), (Start: 225 @1488 has 18 MA's), (231, 1497), (268, 1560), (276, 1575), (283, 1587), (292, 1626), (314, 1668), (315, 1671), (328, 1713), (339, 1740), (353, 1761), (363, 1779), (365, 1782), (367, 1785), (383, 1806), (400, 1833), (417, 1890), (430, 1947), (432, 1953), (439, 1968), (443, 1980), (507, 2100), (534, 2142), (576, 2223), (579, 2232), (591, 2259), (612, 2298), (630, 2325), (651, 2346), (715, 2448), (732, 2475), (844, 2622), (851, 2634), (869, 2652), (938, 2730), (941, 2733), (943, 2736), (969, 2778), (975, 2790), (984, 2802),

Gene: Squint_10 Start: 3458, Stop: 4990, Start Num: 167

Candidate Starts for Squint_10:

(Start: 94 @3374 has 4 MA's), (131, 3416), (139, 3425), (Start: 167 @3458 has 21 MA's), (Start: 235 @3572 has 15 MA's), (268, 3635), (284, 3668), (285, 3671), (296, 3716), (328, 3791), (330, 3800), (398, 3902), (400, 3905), (410, 3941), (420, 3974), (546, 4223), (579, 4286), (592, 4313), (680, 4472), (704, 4508), (725, 4538), (730, 4547), (766, 4601), (777, 4625), (969, 4859), (977, 4871),

Gene: Squirrel_3 Start: 953, Stop: 2530, Start Num: 135

Candidate Starts for Squirrel_3:

(Start: 135 @953 has 81 MA's), (Start: 158 @980 has 9 MA's), (218, 1070), (242, 1109), (278, 1154), (299, 1217), (307, 1232), (331, 1295), (417, 1451), (431, 1514), (448, 1571), (449, 1574), (455, 1592), (462, 1607), (576, 1829), (606, 1892), (621, 1916), (664, 1967), (665, 1970), (669, 1979), (678, 2003), (713, 2057), (730, 2087), (770, 2135), (877, 2273), (921, 2345), (985, 2432), (994, 2450), (1052, 2522),

Gene: Squirty_3 Start: 670, Stop: 2157, Start Num: 151

Candidate Starts for Squirty_3:

(Start: 118 @658 has 7 MA's), (Start: 151 @670 has 89 MA's), (Start: 225 @796 has 18 MA's), (229, 802), (251, 844), (256, 850), (276, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (328, 1021), (336, 1042), (353, 1069), (357, 1078), (363, 1087), (365, 1090), (400, 1141), (417, 1198), (422, 1219), (428, 1243), (430, 1255), (439, 1276), (443, 1288), (456, 1321), (459, 1327), (504, 1396), (505, 1402), (526, 1435), (543, 1471), (576, 1531), (579, 1540), (591, 1567), (642, 1645), (699, 1741), (732, 1786), (782, 1858), (809, 1897), (844, 1933), (847, 1939), (869, 1963), (896, 1993), (903, 1999), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: StAB_2 Start: 376, Stop: 1959, Start Num: 129

Candidate Starts for StAB_2:

(Start: 126 @373 has 4 MA's), (Start: 129 @376 has 4 MA's), (Start: 135 @382 has 81 MA's), (180, 442), (245, 550), (246, 553), (275, 631), (284, 640), (348, 814), (413, 916), (416, 925), (418, 931), (419, 940), (434, 1000), (448, 1048), (449, 1051), (512, 1114), (561, 1207), (690, 1429), (701, 1447), (733, 1492), (758, 1534), (781, 1570), (790, 1585), (811, 1612), (813, 1615), (821, 1630), (841, 1663), (852, 1678), (879, 1726), (909, 1756), (922, 1774), (973, 1849), (1029, 1924), (1046, 1948),

Gene: Stap_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Stap_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Starcevich_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Starcevich_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Stargaze_2 Start: 344, Stop: 1912, Start Num: 74

Candidate Starts for Stargaze_2:

(Start: 74 @344 has 22 MA's), (282, 647), (295, 698), (315, 734), (335, 794), (414, 947), (415, 953), (417, 959), (426, 995), (430, 1016), (442, 1046), (458, 1085), (462, 1094), (574, 1247), (586, 1277), (612, 1322), (614, 1325), (670, 1403), (679, 1427), (713, 1472), (766, 1553), (784, 1586), (789, 1595), (799, 1610), (804, 1616), (810, 1622), (893, 1712), (900, 1724), (903, 1727), (969, 1820), (1025, 1901),

Gene: Stem_3 Start: 1113, Stop: 2573, Start Num: 107

Candidate Starts for Stem_3:

(Start: 107 @1113 has 136 MA's), (Start: 113 @1119 has 2 MA's), (237, 1281), (242, 1290), (278, 1350), (303, 1419), (316, 1440), (331, 1491), (430, 1695), (511, 1830), (553, 1908), (565, 1923), (571, 1941), (580, 1959), (599, 2001), (621, 2034), (634, 2052), (710, 2172), (711, 2175), (719, 2187), (725, 2199), (732, 2211), (770, 2262), (804, 2319), (810, 2325), (816, 2334), (829, 2343), (831, 2346), (953, 2508), (959, 2517), (964, 2526), (989, 2565),

Gene: StevieRay_2 Start: 401, Stop: 2077, Start Num: 56

Candidate Starts for StevieRay_2:

(Start: 56 @401 has 50 MA's), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (335, 887), (340, 899), (390, 989), (451, 1178), (511, 1274), (530, 1304), (540, 1325), (625, 1466), (639, 1478), (667, 1523), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (884, 1856), (890, 1871), (1035, 2060),

Gene: StewieGriff_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for StewieGriff_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (241, 974), (275, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (329, 1160), (349, 1205), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (435, 1391), (437, 1400), (461, 1466), (517, 1529), (525, 1541), (553, 1583), (566, 1601), (596, 1661), (630, 1718), (657, 1730), (667, 1754), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (800, 1979), (865, 2054), (868, 2063), (893, 2090), (947, 2147), (982, 2201), (1036, 2273),

Gene: Stiles_2 Start: 373, Stop: 1959, Start Num: 126

Candidate Starts for Stiles_2:

(Start: 126 @373 has 4 MA's), (Start: 129 @376 has 4 MA's), (Start: 135 @382 has 81 MA's), (246, 553), (275, 631), (284, 640), (348, 814), (413, 916), (416, 925), (418, 931), (419, 940), (434, 1000), (448, 1048), (449, 1051), (512, 1114), (561, 1207), (690, 1429), (701, 1447), (733, 1492), (758, 1534), (781, 1570), (790, 1585), (811, 1612), (813, 1615), (821, 1630), (822, 1636), (841, 1663), (852, 1678), (879, 1726), (922, 1774), (973, 1849), (1029, 1924), (1046, 1948),

Gene: Stinson_8 Start: 1568, Stop: 2989, Start Num: 162

Candidate Starts for Stinson_8:

(Start: 85 @1496 has 1 MA's), (Start: 153 @1556 has 11 MA's), (Start: 162 @1568 has 165 MA's), (Start: 225 @1679 has 18 MA's), (229, 1685), (279, 1763), (283, 1772), (295, 1820), (302, 1838), (315, 1856), (330, 1907), (356, 1949), (361, 1955), (383, 1982), (386, 1985), (415, 2060), (426, 2102), (428, 2111), (458, 2192), (548, 2306), (574, 2354), (579, 2366), (593, 2396), (604, 2420), (612, 2432), (621, 2447), (670, 2516), (766, 2660), (784, 2693), (825, 2747), (969, 2924), (1025, 2978),

Gene: Stoor_3 Start: 957, Stop: 2582, Start Num: 135

Candidate Starts for Stoor_3:

(Start: 135 @957 has 81 MA's), (242, 1113), (285, 1167), (299, 1221), (307, 1236), (335, 1305), (358, 1350), (401, 1404), (417, 1455), (418, 1458), (431, 1518), (436, 1536), (437, 1539), (445, 1566), (455, 1596), (536, 1758), (665, 1974), (705, 2049), (713, 2061), (956, 2415), (987, 2463),

Gene: Stormborn_2 Start: 379, Stop: 1890, Start Num: 157

Candidate Starts for Stormborn_2:

(Start: 157 @379 has 40 MA's), (186, 436), (217, 481), (238, 508), (240, 511), (278, 559), (283, 568), (285, 574), (291, 604), (294, 613), (296, 619), (315, 652), (321, 670), (329, 694), (330, 700), (347, 739), (350, 748), (352, 751), (372, 790), (374, 793), (398, 853), (404, 862), (416, 907), (417, 910), (422, 931), (426, 946), (430, 967), (451, 1027), (457, 1042), (458, 1045), (460, 1048), (513, 1135), (553, 1180), (579, 1228), (617, 1288), (620, 1294), (648, 1327), (658, 1345), (664, 1357), (725, 1477), (730, 1486), (764, 1531), (774, 1552), (775, 1555), (777, 1558), (790, 1570), (801, 1585), (816, 1600), (817, 1603), (838, 1621), (843, 1627), (891, 1705), (893, 1708), (900, 1720), (974, 1807), (991, 1828), (995, 1834), (1023, 1876), (1028, 1882),

Gene: Stratus_4 Start: 874, Stop: 2364, Start Num: 112

Candidate Starts for Stratus_4:

(Start: 112 @874 has 46 MA's), (159, 919), (Start: 224 @1021 has 1 MA's), (Start: 234 @1039 has 4 MA's), (241, 1048), (275, 1099), (278, 1102), (285, 1111), (291, 1141), (300, 1168), (344, 1267), (409, 1366), (416, 1390), (417, 1393), (418, 1396), (429, 1441), (566, 1675), (590, 1723), (596, 1735), (618, 1774), (630, 1792), (657, 1804), (660, 1807), (667, 1828), (670, 1834), (674, 1846), (715, 1924), (753,

1978), (785, 2032), (795, 2044), (836, 2089), (868, 2137), (947, 2221), (985, 2278), (1036, 2347),

Gene: StrawberryLem_2 Start: 349, Stop: 1851, Start Num: 101

Candidate Starts for StrawberryLem_2:

(Start: 101 @349 has 5 MA's), (122, 373), (Start: 224 @508 has 1 MA's), (231, 520), (Start: 234 @526 has 4 MA's), (241, 535), (285, 598), (291, 628), (294, 637), (300, 655), (344, 754), (349, 766), (371, 799), (417, 880), (429, 928), (452, 1009), (553, 1144), (590, 1210), (596, 1222), (614, 1255), (630, 1279), (715, 1411), (730, 1438), (795, 1531), (865, 1615), (868, 1624), (947, 1708), (956, 1723), (994, 1783), (1024, 1813),

Gene: StressBall_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for StressBall_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Strobilo_4 Start: 652, Stop: 2076, Start Num: 162

Candidate Starts for Strobilo_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (356, 1024), (361, 1030), (383, 1057), (416, 1138), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (614, 1510), (665, 1576), (670, 1588), (691, 1630), (713, 1660), (728, 1687), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (1025, 2065),

Gene: Stromboli_3 Start: 957, Stop: 2582, Start Num: 135

Candidate Starts for Stromboli_3:

(Start: 135 @957 has 81 MA's), (242, 1113), (285, 1167), (299, 1221), (307, 1236), (335, 1305), (358, 1350), (401, 1404), (417, 1455), (418, 1458), (431, 1518), (436, 1536), (437, 1539), (445, 1566), (455, 1596), (536, 1758), (665, 1974), (705, 2049), (713, 2061), (956, 2415), (987, 2463),

Gene: StuartMinion_2 Start: 373, Stop: 1995, Start Num: 95

Candidate Starts for StuartMinion_2:

(Start: 84 @352 has 12 MA's), (Start: 95 @373 has 13 MA's), (Start: 213 @514 has 10 MA's), (275, 604), (285, 616), (293, 652), (299, 670), (331, 748), (401, 853), (418, 907), (419, 916), (431, 967), (438, 991), (449, 1027), (457, 1048), (490, 1123), (536, 1207), (664, 1423), (669, 1435), (679, 1462), (705, 1501), (707, 1507), (732, 1546), (768, 1585), (785, 1618), (818, 1663), (895, 1780), (921, 1816), (934, 1834), (985, 1903), (987, 1909), (1003, 1930), (1045, 1981), (1047, 1984),

Gene: Stuck_2 Start: 488, Stop: 2038, Start Num: 158

Candidate Starts for Stuck_2:

(Start: 158 @488 has 9 MA's), (Start: 168 @500 has 24 MA's), (200, 566), (212, 584), (282, 677), (299, 740), (321, 785), (331, 818), (366, 881), (378, 914), (398, 950), (410, 989), (416, 1004), (426, 1043), (429, 1055), (433, 1073), (440, 1088), (455, 1127), (536, 1268), (546, 1292), (570, 1334), (647, 1454), (667, 1496), (673, 1511), (682, 1535), (731, 1610), (746, 1640), (816, 1754), (878, 1844), (900, 1880), (910, 1895), (961, 1952), (969, 1961), (974, 1967), (981, 1979), (993, 1988), (1014, 2015),

Gene: Studio_4 Start: 1055, Stop: 2593, Start Num: 148

Candidate Starts for Studio_4:

(Start: 148 @1055 has 1 MA's), (Start: 152 @1061 has 2 MA's), (179, 1100), (212, 1154), (285, 1259), (308, 1322), (340, 1409), (428, 1649), (430, 1661), (447, 1718), (536, 1877), (579, 1964), (611, 2027), (882, 2396),

Gene: Suerte_2 Start: 318, Stop: 1877, Start Num: 108

Candidate Starts for Suerte_2:

(67, 258), (Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (428, 921), (431, 936), (493, 1071), (540, 1137), (562, 1179), (604, 1248), (608, 1254), (639, 1293), (654, 1314), (670, 1344), (677, 1365), (707, 1410), (730, 1446), (732, 1449), (763, 1491), (782, 1527), (855, 1620), (885, 1671), (956, 1776), (975, 1800), (1033, 1860),

Gene: Sulley_8 Start: 1575, Stop: 2996, Start Num: 162

Candidate Starts for Sulley_8:

(Start: 85 @1503 has 1 MA's), (Start: 153 @1563 has 11 MA's), (Start: 162 @1575 has 165 MA's), (Start: 225 @1686 has 18 MA's), (229, 1692), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (330, 1914), (356, 1956), (361, 1962), (426, 2109), (428, 2118), (466, 2217), (548, 2313), (574, 2361), (579, 2373), (593, 2403), (604, 2427), (612, 2439), (621, 2454), (670, 2523), (766, 2667), (825, 2754), (969, 2931), (1025, 2985),

Gene: Sunflower1121_6 Start: 1422, Stop: 2849, Start Num: 162

Candidate Starts for Sunflower1121_6:

(77, 1338), (Start: 162 @1422 has 165 MA's), (Start: 211 @1512 has 3 MA's), (Start: 225 @1536 has 18 MA's), (279, 1620), (283, 1629), (295, 1677), (302, 1695), (330, 1764), (355, 1803), (383, 1839), (415, 1917), (426, 1959), (428, 1968), (458, 2049), (503, 2097), (548, 2163), (572, 2205), (574, 2211), (579, 2223), (581, 2229), (593, 2253), (604, 2277), (608, 2283), (621, 2304), (670, 2373), (691, 2415), (762, 2508), (764, 2514), (766, 2517), (784, 2550), (804, 2580), (825, 2604), (869, 2652), (969, 2781), (1025, 2838), (1029, 2844),

Gene: SunnyD_2 Start: 648, Stop: 2282, Start Num: 135

Candidate Starts for SunnyD_2:

(Start: 135 @648 has 81 MA's), (199, 738), (218, 765), (299, 912), (335, 996), (358, 1041), (392, 1086), (401, 1095), (417, 1146), (431, 1209), (445, 1257), (455, 1287), (462, 1302), (497, 1383), (664, 1671), (956, 2115), (987, 2163), (1058, 2271),

Gene: Supakev_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Supakev_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (299, 758), (310, 782), (331, 836), (391, 947), (401, 965), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (763, 1634), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: Supernova_2 Start: 373, Stop: 1884, Start Num: 157

Candidate Starts for Supernova_2:

(Start: 157 @373 has 40 MA's), (Start: 181 @412 has 1 MA's), (186, 430), (207, 457), (217, 475), (238, 502), (240, 505), (263, 523), (278, 553), (283, 562), (291, 598), (294, 607), (296, 613), (315, 646), (321, 664), (329, 688), (330, 694), (347, 733), (350, 742), (352, 745), (372, 784), (374, 787), (404, 856), (416, 901), (417, 904), (422, 925), (426, 940), (428, 949), (430, 961), (442, 1000), (451, 1021), (457, 1036), (458, 1039), (460, 1042), (469, 1063), (513, 1129), (531, 1150), (561, 1186), (570, 1201), (579, 1222), (620, 1288), (648, 1321), (658, 1339), (679, 1393), (725, 1471), (730, 1480), (741, 1492), (749, 1498), (764, 1525), (774, 1546), (775, 1549), (777, 1552), (790, 1564), (816, 1594), (817, 1597), (838, 1615), (843, 1621), (855, 1642), (872, 1663), (891, 1699), (893, 1702), (900, 1714), (917, 1726), (967, 1792), (974, 1801), (977, 1807), (995, 1828), (1023, 1870), (1028, 1876),

Gene: Superphikiman_10 Start: 3708, Stop: 5240, Start Num: 167

Candidate Starts for Superphikiman_10:

(131, 3666), (139, 3675), (Start: 167 @3708 has 21 MA's), (Start: 235 @3822 has 15 MA's), (268, 3885), (284, 3918), (296, 3966), (328, 4041), (343, 4077), (398, 4152), (400, 4155), (410, 4191), (420, 4224), (546, 4473), (579, 4536), (592, 4563), (680, 4722), (704, 4758), (725, 4788), (730, 4797), (766, 4851), (777, 4875), (969, 5109), (977, 5121),

Gene: Suppi_5 Start: 3104, Stop: 4672, Start Num: 79

Candidate Starts for Suppi_5:

(Start: 79 @3104 has 143 MA's), (218, 3290), (237, 3320), (275, 3371), (285, 3383), (291, 3413), (296, 3428), (310, 3461), (356, 3563), (401, 3644), (416, 3692), (431, 3758), (445, 3806), (448, 3815), (450, 3821), (479, 3890), (495, 3917), (522, 3947), (545, 3986), (669, 4166), (707, 4238), (730, 4274), (799, 4370), (865, 4436), (901, 4466), (905, 4472), (956, 4538), (1045, 4658),

Gene: Sweets_2 Start: 458, Stop: 1891, Start Num: 172

Candidate Starts for Sweets_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Swenson_4 Start: 923, Stop: 2413, Start Num: 112

Candidate Starts for Swenson_4:

(Start: 112 @923 has 46 MA's), (159, 968), (Start: 224 @1070 has 1 MA's), (241, 1097), (275, 1148), (285, 1160), (291, 1190), (295, 1202), (300, 1217), (329, 1283), (349, 1328), (409, 1415), (416, 1439), (417, 1442), (418, 1445), (429, 1490), (435, 1514), (437, 1523), (461, 1589), (517, 1652), (525, 1664), (553, 1706), (566, 1724), (596, 1784), (630, 1841), (657, 1853), (667, 1877), (674, 1895), (715, 1973), (753, 2027), (785, 2081), (795, 2093), (800, 2102), (865, 2177), (868, 2186), (893, 2213), (947, 2270), (982, 2324), (1036, 2396),

Gene: Swervy_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for Swervy_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (401, 1123), (417, 1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956, 2137), (1058, 2293),

Gene: Syleon_13 Start: 5040, Stop: 6515, Start Num: 158

Candidate Starts for Syleon_13:

(Start: 158 @5040 has 9 MA's), (251, 5187), (281, 5226), (285, 5238), (329, 5361), (330, 5367), (376, 5448), (398, 5502), (400, 5505), (418, 5562), (428, 5604), (430, 5616), (440, 5640), (447, 5664), (467, 5706), (579, 5886), (607, 5928), (665, 6009), (682, 6054), (697, 6078), (725, 6123), (768, 6183), (812, 6246), (816, 6252), (871, 6324), (884, 6342), (892, 6360), (981, 6459), (996, 6477), (1018, 6507),

Gene: Syra333_7 Start: 1527, Stop: 2954, Start Num: 162

Candidate Starts for Syra333_7:

(Start: 162 @1527 has 165 MA's), (Start: 211 @1617 has 3 MA's), (Start: 225 @1641 has 18 MA's), (229, 1647), (279, 1725), (283, 1734), (295, 1782), (302, 1800), (330, 1869), (355, 1908), (383, 1944), (386, 1947), (415, 2022), (426, 2064), (428, 2073), (458, 2154), (503, 2202), (548, 2268), (572, 2310), (574, 2316), (579, 2328), (581, 2334), (593, 2358), (608, 2388), (621, 2409), (670, 2478), (691, 2520), (762, 2613), (766, 2622), (784, 2655), (804, 2685), (825, 2709), (869, 2757), (969, 2886), (1025, 2943), (1029, 2949),

Gene: TBond007_7 Start: 1226, Stop: 2662, Start Num: 153

Candidate Starts for TBond007_7:

(Start: 153 @1226 has 11 MA's), (Start: 162 @1238 has 165 MA's), (Start: 211 @1325 has 3 MA's), (Start: 225 @1349 has 18 MA's), (279, 1433), (283, 1442), (302, 1508), (315, 1526), (330, 1577), (356, 1619), (361, 1625), (383, 1652), (426, 1772), (428, 1781), (458, 1862), (466, 1880), (548, 1976), (574, 2024), (579, 2036), (593, 2066), (604, 2090), (612, 2102), (670, 2186), (691, 2228), (696, 2240), (764, 2327), (766, 2330), (789, 2372), (799, 2387), (804, 2393), (823, 2414), (825, 2417), (969, 2594), (1029, 2657),

Gene: TClif_7 Start: 1462, Stop: 2889, Start Num: 162

Candidate Starts for TClif_7:

(77, 1378), (Start: 153 @1450 has 11 MA's), (Start: 162 @1462 has 165 MA's), (Start: 211 @1552 has 3 MA's), (Start: 225 @1576 has 18 MA's), (279, 1660), (283, 1669), (295, 1717), (302, 1735), (315, 1753), (330, 1804), (355, 1843), (361, 1852), (383, 1879), (415, 1957), (426, 1999), (428, 2008), (458, 2089), (503, 2137), (548, 2203), (572, 2245), (574, 2251), (593, 2293), (621, 2344), (670, 2413), (691, 2455), (713, 2485), (764, 2554), (766, 2557), (784, 2590), (789, 2599), (825, 2644), (869, 2692), (969, 2821), (1025, 2878), (1029, 2884),

Gene: TM4_4 Start: 664, Stop: 2088, Start Num: 162

Candidate Starts for TM4_4:

(77, 586), (Start: 85 @598 has 1 MA's), (90, 607), (Start: 162 @664 has 165 MA's), (198, 727), (Start: 211 @748 has 3 MA's), (Start: 224 @769 has 1 MA's), (279, 853), (283, 862), (295, 910), (315, 946), (330, 997), (356, 1039), (361, 1045), (383, 1072), (426, 1192), (428, 1201), (429, 1204), (458, 1282), (462, 1291), (464, 1294), (548, 1396), (574, 1444), (579, 1456), (593, 1486), (604, 1510), (614, 1525), (670, 1603), (691, 1645), (713, 1675), (764, 1744), (772, 1759), (804, 1810), (825, 1834), (869, 1882), (965, 2005), (969, 2011), (1025, 2077), (1029, 2083),

Gene: TMaxx_4 Start: 1204, Stop: 2733, Start Num: 145

Candidate Starts for TMaxx_4:

(Start: 145 @1204 has 1 MA's), (179, 1249), (203, 1288), (340, 1558), (428, 1789), (430, 1801), (447, 1858), (514, 1978), (536, 2014), (544, 2035), (579, 2101), (581, 2107), (699, 2302), (768, 2398), (882, 2533),

Gene: TZGordon_9 Start: 3612, Stop: 5219, Start Num: 110

Candidate Starts for TZGordon_9:

(Start: 50 @3534 has 3 MA's), (Start: 110 @3612 has 6 MA's), (283, 3840), (293, 3882), (310, 3924), (321, 3945), (328, 3966), (401, 4104), (418, 4158), (438, 4242), (439, 4245), (440, 4248), (449, 4278), (584, 4485), (657, 4608), (694, 4695), (705, 4710), (715, 4725), (761, 4788), (799, 4848), (808, 4857), (836, 4899), (881, 4974), (882, 4977), (905, 5010), (956, 5076), (988, 5127), (1050, 5205), (1054, 5211),

Gene: Tachez_8 Start: 1556, Stop: 2980, Start Num: 162

Candidate Starts for Tachez_8:

(Start: 85 @1484 has 1 MA's), (Start: 153 @1544 has 11 MA's), (Start: 162 @1556 has 165 MA's), (Start: 225 @1667 has 18 MA's), (229, 1673), (279, 1751), (283, 1760), (295, 1808), (302, 1826), (330, 1895), (356, 1937), (361, 1943), (383, 1970), (386, 1973), (426, 2090), (428, 2099), (458, 2180), (548, 2294), (574, 2342), (579, 2354), (593, 2384), (604, 2408), (612, 2420), (667, 2498), (670, 2504), (766, 2651), (784, 2684), (825, 2738), (969, 2915), (1025, 2969),

Gene: Taheera_2 Start: 459, Stop: 1895, Start Num: 170

Candidate Starts for Taheera_2:

(26, 291), (Start: 74 @363 has 22 MA's), (Start: 170 @459 has 43 MA's), (Start: 172 @462 has 3 MA's), (Start: 189 @498 has 1 MA's), (Start: 211 @537 has 3 MA's), (295, 699), (330, 786), (335, 795), (342, 810), (355, 825), (426, 981), (430, 1002), (439, 1023), (458, 1071), (462, 1080), (574, 1233), (586, 1263), (602, 1293), (670, 1389), (763, 1533), (786, 1575), (810, 1608), (825, 1626), (846, 1647),

(889, 1692), (900, 1710), (903, 1713), (969, 1806),

Gene: TailX7_2 Start: 351, Stop: 1808, Start Num: 96

Candidate Starts for TailX7_2:

(Start: 96 @351 has 1 MA's), (Start: 104 @360 has 2 MA's), (Start: 110 @366 has 6 MA's), (330, 699), (415, 849), (429, 903), (446, 966), (595, 1191), (623, 1239), (667, 1287), (698, 1350), (705, 1359), (769, 1461), (857, 1569), (865, 1581), (932, 1662), (994, 1755), (1003, 1764), (1032, 1797),

Gene: TaiwanKao_8 Start: 1562, Stop: 2986, Start Num: 162

Candidate Starts for TaiwanKao_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (330, 1901), (356, 1943), (361, 1949), (383, 1976), (386, 1979), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (670, 2510), (766, 2657), (784, 2690), (825, 2744), (969, 2921), (1025, 2975),

Gene: Taj14_4 Start: 778, Stop: 2268, Start Num: 112

Candidate Starts for Taj14_4:

(Start: 112 @778 has 46 MA's), (159, 823), (Start: 224 @925 has 1 MA's), (241, 952), (275, 1003), (285, 1015), (291, 1045), (295, 1057), (300, 1072), (329, 1138), (349, 1183), (409, 1270), (416, 1294), (417, 1297), (418, 1300), (429, 1345), (435, 1369), (437, 1378), (517, 1507), (525, 1519), (566, 1579), (596, 1639), (630, 1696), (657, 1708), (674, 1750), (715, 1828), (753, 1882), (795, 1948), (800, 1957), (831, 1987), (865, 2032), (868, 2041), (893, 2068), (947, 2125), (982, 2179), (1036, 2251),

Gene: Tapioca_2 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Tapioca_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Taquito_7 Start: 2076, Stop: 3521, Start Num: 162

Candidate Starts for Taquito_7:

(Start: 162 @2076 has 165 MA's), (Start: 225 @2181 has 18 MA's), (279, 2265), (283, 2274), (291, 2310), (295, 2322), (300, 2337), (315, 2364), (330, 2415), (339, 2433), (361, 2463), (383, 2490), (415, 2568), (428, 2619), (429, 2622), (458, 2700), (462, 2709), (503, 2748), (548, 2814), (574, 2862), (593, 2904), (670, 3021), (689, 3063), (713, 3108), (764, 3177), (789, 3222), (804, 3243), (825, 3267), (969, 3444), (1025, 3510), (1029, 3516),

Gene: TaronosaurusRx_2 Start: 522, Stop: 2171, Start Num: 94

Candidate Starts for TaronosaurusRx_2:

(Start: 94 @522 has 4 MA's), (120, 552), (238, 723), (285, 807), (330, 933), (335, 942), (371, 1008), (388, 1056), (431, 1191), (540, 1392), (562, 1434), (585, 1467), (639, 1548), (649, 1566), (654, 1569), (732, 1713), (739, 1722), (762, 1755), (764, 1761), (796, 1815), (810, 1833), (825, 1851), (877, 1923), (895, 1959), (939, 2013), (956, 2040), (977, 2073), (1009, 2124),

Gene: Tarzan_2 Start: 511, Stop: 2100, Start Num: 112

Candidate Starts for Tarzan_2:

(Start: 112 @511 has 46 MA's), (218, 646), (222, 652), (283, 733), (291, 769), (310, 817), (335, 877), (356, 919), (358, 922), (371, 946), (372, 949), (401, 976), (419, 1039), (437, 1111), (446, 1141), (448, 1147), (449, 1150), (450, 1153), (584, 1417), (592, 1432), (594, 1435), (600, 1447), (650, 1507), (672,

1552), (678, 1570), (700, 1609), (773, 1702), (785, 1723), (792, 1732), (852, 1816), (871, 1852), (921, 1924), (987, 2017), (1000, 2035), (1047, 2089),

Gene: TattModd_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for TattModd_5:

(Start: 79 @3127 has 143 MA's), (Start: 234 @3337 has 4 MA's), (275, 3391), (296, 3448), (299, 3457), (411, 3697), (416, 3712), (418, 3718), (431, 3778), (449, 3838), (495, 3937), (522, 3967), (529, 3982), (584, 4063), (630, 4141), (636, 4150), (669, 4186), (686, 4225), (707, 4258), (715, 4267), (730, 4294), (773, 4348), (799, 4390), (852, 4435), (865, 4456), (877, 4480), (956, 4558), (1045, 4678),

Gene: TaylorSipht_3 Start: 775, Stop: 2355, Start Num: 150

Candidate Starts for TaylorSipht_3:

(Start: 84 @709 has 12 MA's), (Start: 150 @775 has 12 MA's), (176, 811), (Start: 213 @871 has 10 MA's), (218, 880), (237, 910), (278, 964), (294, 1012), (299, 1027), (310, 1051), (327, 1090), (401, 1210), (418, 1264), (419, 1273), (431, 1324), (435, 1336), (438, 1348), (449, 1384), (457, 1405), (482, 1465), (490, 1483), (493, 1495), (498, 1504), (536, 1567), (592, 1681), (594, 1684), (664, 1783), (669, 1795), (705, 1861), (715, 1876), (732, 1906), (768, 1945), (772, 1954), (934, 2194), (985, 2263), (987, 2269), (1017, 2305), (1047, 2344),

Gene: Tchotchke_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Tchotchke_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (274, 882), (276, 885), (281, 891), (283, 897), (292, 936), (295, 945), (315, 981), (328, 1023), (353, 1071), (363, 1089), (365, 1092), (400, 1143), (417, 1200), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938, 2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Teagster_2 Start: 651, Stop: 2285, Start Num: 135

Candidate Starts for Teagster_2:

(Start: 135 @651 has 81 MA's), (199, 741), (218, 768), (299, 915), (335, 999), (358, 1044), (392, 1089), (401, 1098), (417, 1149), (431, 1212), (445, 1260), (455, 1290), (462, 1305), (497, 1386), (664, 1674), (956, 2118), (987, 2166), (1058, 2274),

Gene: Techage_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Techage_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (540, 1337), (625, 1478), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: TeddyBoy_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for TeddyBoy_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Teejan_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Teejan_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361,

1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: TelAviv_28 Start: 13071, Stop: 14585, Start Num: 73

Candidate Starts for TelAviv_28:

(Start: 73 @13071 has 42 MA's), (Start: 76 @13074 has 13 MA's), (Start: 211 @13254 has 3 MA's), (267, 13347), (294, 13422), (310, 13455), (321, 13482), (330, 13512), (415, 13665), (417, 13671), (426, 13707), (428, 13716), (458, 13797), (462, 13806), (464, 13809), (504, 13848), (544, 13905), (564, 13941), (566, 13944), (666, 14100), (670, 14109), (707, 14178), (713, 14187), (717, 14193), (739, 14226), (766, 14262), (825, 14349), (847, 14370), (903, 14433), (904, 14436), (907, 14439), (919, 14457), (938, 14478), (969, 14520), (999, 14556), (1019, 14568),

Gene: Temper16_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Temper16_2:

(Start: 79 @428 has 143 MA's), (Start: 211 @599 has 3 MA's), (275, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (331, 836), (391, 947), (416, 1013), (418, 1019), (431, 1079), (449, 1139), (461, 1169), (522, 1268), (630, 1442), (636, 1451), (669, 1487), (672, 1493), (688, 1529), (713, 1565), (732, 1598), (768, 1637), (770, 1643), (879, 1784), (956, 1859), (1015, 1940), (1045, 1979),

Gene: Terror_2 Start: 459, Stop: 1895, Start Num: 170

Candidate Starts for Terror_2:

(26, 291), (Start: 74 @363 has 22 MA's), (Start: 170 @459 has 43 MA's), (Start: 172 @462 has 3 MA's), (Start: 189 @498 has 1 MA's), (Start: 211 @537 has 3 MA's), (295, 699), (330, 786), (335, 795), (342, 810), (355, 825), (426, 981), (430, 1002), (439, 1023), (458, 1071), (462, 1080), (574, 1233), (586, 1263), (602, 1293), (670, 1389), (763, 1533), (786, 1575), (810, 1608), (825, 1626), (846, 1647), (889, 1692), (900, 1710), (903, 1713), (969, 1806),

Gene: Tessdabest_1 Start: 504, Stop: 2036, Start Num: 164

Candidate Starts for Tessdabest_1:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Thespis_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Thespis_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (270, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Thimann_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Thimann_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (410, 1357), (426, 1414), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: ThulaThula_2 Start: 401, Stop: 2080, Start Num: 56

Candidate Starts for ThulaThula_2:

(9, 191), (12, 239), (Start: 56 @401 has 50 MA's), (178, 563), (198, 608), (204, 617), (228, 656), (266, 713), (270, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (331, 881), (335, 887), (340, 899), (390, 989), (451, 1178), (530, 1304), (625, 1466), (639, 1478), (667, 1523), (678, 1553), (732, 1634), (766, 1685), (810, 1754), (825, 1772), (884, 1856), (885, 1859), (890, 1871), (1035, 2063),

Gene: Thyatira_6 Start: 1325, Stop: 2752, Start Num: 168

Candidate Starts for Thyatira_6:

(Start: 168 @1325 has 24 MA's), (198, 1382), (Start: 211 @1403 has 3 MA's), (Start: 225 @1427 has 18 MA's), (279, 1511), (283, 1520), (285, 1526), (295, 1568), (302, 1586), (315, 1604), (330, 1655), (337, 1670), (383, 1730), (415, 1808), (426, 1850), (428, 1859), (429, 1862), (458, 1940), (548, 2054), (574, 2102), (593, 2144), (604, 2168), (612, 2180), (630, 2207), (665, 2252), (670, 2264), (762, 2411), (782, 2450), (825, 2507), (849, 2531), (869, 2555), (893, 2579), (965, 2678), (969, 2684), (1025, 2741),

Gene: Tierra_7 Start: 1517, Stop: 2944, Start Num: 162

Candidate Starts for Tierra_7:

(Start: 162 @1517 has 165 MA's), (Start: 211 @1607 has 3 MA's), (Start: 225 @1631 has 18 MA's), (229, 1637), (279, 1715), (283, 1724), (295, 1772), (302, 1790), (330, 1859), (361, 1907), (383, 1934), (415, 2012), (426, 2054), (428, 2063), (458, 2144), (503, 2192), (548, 2258), (572, 2300), (574, 2306), (579, 2318), (581, 2324), (593, 2348), (608, 2378), (621, 2399), (670, 2468), (691, 2510), (762, 2603), (764, 2609), (766, 2612), (784, 2645), (804, 2675), (825, 2699), (869, 2747), (969, 2876), (1025, 2933), (1029, 2939),

Gene: Tigress9_7 Start: 1519, Stop: 2946, Start Num: 162

Candidate Starts for Tigress9_7:

(Start: 162 @1519 has 165 MA's), (Start: 211 @1609 has 3 MA's), (Start: 225 @1633 has 18 MA's), (229, 1639), (279, 1717), (283, 1726), (295, 1774), (302, 1792), (330, 1861), (355, 1900), (361, 1909), (383, 1936), (386, 1939), (415, 2014), (426, 2056), (428, 2065), (458, 2146), (548, 2260), (572, 2302), (574, 2308), (579, 2320), (581, 2326), (593, 2350), (604, 2374), (608, 2380), (621, 2401), (670, 2470), (691, 2512), (762, 2605), (764, 2611), (766, 2614), (784, 2647), (804, 2677), (825, 2701), (869, 2749), (969, 2878), (1025, 2935), (1029, 2941),

Gene: TimoTea_3 Start: 1062, Stop: 2522, Start Num: 107

Candidate Starts for TimoTea_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (553, 1857), (565, 1872), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (770, 2211), (810, 2274), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: TinaBug_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for TinaBug_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: TinaLin_10 Start: 4153, Stop: 5841, Start Num: 50

Candidate Starts for TinaLin_10:

(Start: 50 @4153 has 3 MA's), (Start: 107 @4231 has 136 MA's), (245, 4423), (293, 4504), (316, 4549), (321, 4567), (328, 4588), (340, 4618), (360, 4657), (401, 4726), (418, 4780), (438, 4864), (439, 4867),

(440, 4870), (448, 4897), (449, 4900), (536, 5005), (592, 5122), (599, 5137), (657, 5230), (661, 5236), (670, 5260), (684, 5302), (694, 5317), (715, 5347), (721, 5359), (761, 5410), (770, 5422), (799, 5470), (808, 5479), (852, 5545), (882, 5599), (905, 5632), (988, 5749), (1010, 5767), (1017, 5779), (1050, 5827), (1054, 5833),

Gene: TingHuaYa_8 Start: 1618, Stop: 3042, Start Num: 162

Candidate Starts for TingHuaYa_8:

(77, 1534), (Start: 162 @1618 has 165 MA's), (Start: 211 @1705 has 3 MA's), (Start: 225 @1729 has 18 MA's), (229, 1735), (249, 1774), (279, 1813), (283, 1822), (285, 1828), (295, 1870), (302, 1888), (330, 1957), (355, 1996), (361, 2005), (383, 2032), (386, 2035), (426, 2152), (428, 2161), (503, 2290), (548, 2356), (574, 2404), (579, 2416), (593, 2446), (604, 2470), (670, 2566), (764, 2707), (766, 2710), (784, 2743), (804, 2773), (825, 2797), (904, 2884), (969, 2974), (1025, 3031), (1029, 3037),

Gene: TiniBug_8 Start: 1566, Stop: 2987, Start Num: 162

Candidate Starts for TiniBug_8:

(Start: 85 @1494 has 1 MA's), (114, 1533), (Start: 153 @1554 has 11 MA's), (Start: 162 @1566 has 165 MA's), (Start: 225 @1677 has 18 MA's), (229, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (330, 1905), (356, 1947), (361, 1953), (383, 1980), (386, 1983), (400, 2007), (426, 2100), (428, 2109), (458, 2190), (466, 2208), (548, 2304), (574, 2352), (579, 2364), (593, 2394), (604, 2418), (612, 2430), (667, 2508), (670, 2514), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: TinoCrisci_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for TinoCrisci_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: TinyTruffula_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for TinyTruffula_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (732, 2277), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Tiri_8 Start: 1604, Stop: 3025, Start Num: 162

Candidate Starts for Tiri_8:

(Start: 85 @1532 has 1 MA's), (Start: 153 @1592 has 11 MA's), (Start: 162 @1604 has 165 MA's), (Start: 225 @1715 has 18 MA's), (229, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (330, 1943), (356, 1985), (361, 1991), (383, 2018), (386, 2021), (426, 2138), (428, 2147), (458, 2228), (548, 2342), (574, 2390), (579, 2402), (593, 2432), (604, 2456), (612, 2468), (667, 2546), (670, 2552), (766, 2696), (784, 2729), (825, 2783), (969, 2960), (1025, 3014),

Gene: Toad24_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Toad24_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (Start: 224 @1072 has 1 MA's), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (707, 2050), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Toast_2 Start: 378, Stop: 1928, Start Num: 151

Candidate Starts for Toast_2:

(121, 348), (127, 354), (Start: 133 @360 has 34 MA's), (Start: 136 @363 has 13 MA's), (Start: 151 @378 has 89 MA's), (188, 441), (209, 477), (217, 492), (226, 504), (238, 519), (257, 552), (270, 573), (282, 594), (291, 633), (299, 657), (315, 693), (330, 741), (355, 783), (360, 795), (416, 900), (452, 1020), (458, 1035), (511, 1113), (533, 1146), (540, 1164), (639, 1320), (665, 1359), (704, 1431), (735, 1479), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (825, 1614), (884, 1701), (908, 1743), (948, 1794), (1035, 1911), (1038, 1917),

Gene: ToastyOats_7 Start: 2269, Stop: 3990, Start Num: 95

Candidate Starts for ToastyOats_7:

(72, 2233), (Start: 95 @2269 has 13 MA's), (Start: 115 @2290 has 16 MA's), (180, 2365), (199, 2413), (Start: 213 @2434 has 10 MA's), (242, 2482), (278, 2527), (283, 2530), (293, 2572), (299, 2590), (300, 2593), (302, 2596), (316, 2617), (358, 2719), (401, 2773), (431, 2887), (449, 2947), (457, 2968), (485, 3034), (487, 3037), (553, 3199), (584, 3265), (592, 3280), (678, 3451), (700, 3490), (707, 3499), (715, 3508), (741, 3550), (770, 3583), (794, 3622), (837, 3664), (913, 3754), (934, 3781), (937, 3784), (985, 3853), (1041, 3931), (1058, 3979),

Gene: TomBrady_2 Start: 459, Stop: 1892, Start Num: 172

Candidate Starts for TomBrady_2:

(Start: 74 @360 has 22 MA's), (Start: 170 @456 has 43 MA's), (Start: 172 @459 has 3 MA's), (Start: 189 @495 has 1 MA's), (Start: 211 @534 has 3 MA's), (295, 696), (330, 783), (335, 792), (343, 810), (355, 822), (417, 942), (426, 978), (430, 999), (439, 1020), (458, 1068), (462, 1077), (574, 1230), (602, 1290), (614, 1308), (655, 1359), (670, 1386), (676, 1401), (677, 1404), (732, 1485), (763, 1530), (810, 1605), (825, 1623), (846, 1644), (889, 1689), (900, 1707), (903, 1710), (969, 1803), (1028, 1884),

Gene: TomBrady12_3 Start: 1113, Stop: 2573, Start Num: 107

Candidate Starts for TomBrady12_3:

(Start: 107 @1113 has 136 MA's), (Start: 113 @1119 has 2 MA's), (237, 1281), (242, 1290), (278, 1350), (303, 1419), (316, 1440), (331, 1491), (430, 1695), (511, 1830), (553, 1908), (565, 1923), (571, 1941), (580, 1959), (599, 2001), (621, 2034), (634, 2052), (710, 2172), (711, 2175), (719, 2187), (725, 2199), (732, 2211), (770, 2262), (804, 2319), (810, 2325), (816, 2334), (829, 2343), (831, 2346), (953, 2508), (959, 2517), (964, 2526), (989, 2565),

Gene: Toodles_6 Start: 2022, Stop: 3719, Start Num: 115

Candidate Starts for Toodles_6:

(70, 1959), (Start: 89 @1989 has 1 MA's), (Start: 115 @2022 has 16 MA's), (199, 2142), (Start: 213 @2163 has 10 MA's), (222, 2178), (242, 2211), (275, 2253), (278, 2256), (293, 2301), (299, 2319), (300, 2322), (302, 2325), (321, 2364), (331, 2397), (356, 2445), (358, 2448), (401, 2502), (431, 2616), (448, 2673), (449, 2676), (457, 2697), (485, 2763), (553, 2928), (584, 2994), (592, 3009), (707, 3228), (715, 3237), (741, 3279), (770, 3312), (794, 3351), (837, 3393), (913, 3483), (934, 3510), (937, 3513), (985, 3582), (1041, 3660), (1058, 3708),

Gene: TootsiePop_3 Start: 674, Stop: 2161, Start Num: 151

Candidate Starts for TootsiePop_3:

(Start: 118 @662 has 7 MA's), (Start: 151 @674 has 89 MA's), (Start: 225 @800 has 18 MA's), (229, 806), (251, 848), (256, 854), (276, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (328, 1025), (353, 1073), (357, 1082), (363, 1091), (365, 1094), (400, 1145), (422, 1223), (428, 1247), (430, 1259), (439, 1280), (443, 1292), (456, 1325), (459, 1331), (504, 1400), (505, 1406), (526, 1439), (543, 1475), (576, 1535), (579, 1544), (591, 1571), (642, 1649), (699, 1745), (732, 1790), (782, 1862), (809, 1901), (844, 1937), (847, 1943), (869, 1967), (896, 1997), (903, 2003), (938, 2045), (941, 2048), (943, 2051), (969, 2093), (975, 2105), (984, 2117),

Gene: Tootsieroll_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Tootsieroll_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (400, 1142), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Topper_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Topper_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Torres_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Torres_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: Tortellini_2 Start: 401, Stop: 2080, Start Num: 56

Candidate Starts for Tortellini_2:

(Start: 56 @401 has 50 MA's), (Start: 124 @494 has 1 MA's), (141, 512), (Start: 155 @527 has 6 MA's), (195, 602), (198, 608), (204, 617), (228, 656), (266, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (327, 866), (331, 881), (335, 887), (390, 989), (447, 1169), (451, 1178), (511, 1274), (530, 1304), (540, 1325), (625, 1466), (639, 1478), (667, 1523), (678, 1553), (711, 1601), (732, 1634), (751, 1658), (762, 1676), (766, 1685), (779, 1712), (810, 1754), (825, 1772), (890, 1871), (1035, 2063),

Gene: Tortoise12_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Tortoise12_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Totinger_3 Start: 672, Stop: 2159, Start Num: 151

Candidate Starts for Totinger_3:

(Start: 118 @660 has 7 MA's), (Start: 151 @672 has 89 MA's), (Start: 225 @798 has 18 MA's), (229, 804), (251, 846), (256, 852), (276, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (328, 1023), (336, 1044), (353, 1071), (357, 1080), (363, 1089), (365, 1092), (400, 1143), (422, 1221), (428, 1245), (430, 1257), (439, 1278), (443, 1290), (456, 1323), (459, 1329), (504, 1398), (505, 1404), (526, 1437), (543, 1473), (576, 1533), (579, 1542), (591, 1569), (642, 1647), (699, 1743), (732, 1788), (782, 1860), (809, 1899), (844, 1935), (847, 1941), (869, 1965), (896, 1995), (903, 2001), (938,

2043), (941, 2046), (943, 2049), (969, 2091), (975, 2103), (984, 2115),

Gene: Toulouse_3 Start: 596, Stop: 2086, Start Num: 112

Candidate Starts for Toulouse_3:

(Start: 112 @596 has 46 MA's), (159, 641), (Start: 224 @743 has 1 MA's), (Start: 234 @761 has 4 MA's), (241, 770), (275, 821), (278, 824), (285, 833), (291, 863), (300, 890), (344, 989), (409, 1088), (416, 1112), (417, 1115), (418, 1118), (429, 1163), (508, 1313), (566, 1397), (590, 1445), (596, 1457), (618, 1496), (630, 1514), (657, 1526), (660, 1529), (667, 1550), (670, 1556), (674, 1568), (715, 1646), (753, 1700), (785, 1754), (795, 1766), (868, 1859), (947, 1943), (985, 2000), (1036, 2069),

Gene: Tourach_4 Start: 1085, Stop: 2653, Start Num: 79

Candidate Starts for Tourach_4:

(Start: 79 @1085 has 143 MA's), (Start: 82 @1091 has 6 MA's), (Start: 88 @1100 has 6 MA's), (194, 1247), (267, 1349), (302, 1439), (326, 1490), (347, 1544), (415, 1682), (417, 1688), (422, 1709), (455, 1808), (530, 1934), (540, 1955), (555, 1979), (558, 1985), (577, 2015), (579, 2021), (598, 2057), (653, 2114), (667, 2141), (670, 2147), (711, 2225), (732, 2261), (768, 2306), (810, 2372), (866, 2447), (884, 2474), (1008, 2621), (1028, 2645), (1029, 2648),

Gene: TpudiCK_15 Start: 4718, Stop: 6262, Start Num: 102

Candidate Starts for TpudiCK_15:

(Start: 102 @4718 has 21 MA's), (Start: 145 @4766 has 1 MA's), (282, 4967), (330, 5105), (425, 5297), (530, 5507), (558, 5558), (598, 5630), (667, 5693), (676, 5717), (682, 5732), (720, 5792), (727, 5804), (764, 5864), (782, 5897), (804, 5930), (827, 5957), (865, 6005), (995, 6191), (1008, 6212),

Gene: Trackstar_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for Trackstar_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (732, 2277), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Trax_12 Start: 4818, Stop: 6263, Start Num: 158

Candidate Starts for Trax_12:

(Start: 158 @4818 has 9 MA's), (281, 5004), (316, 5097), (346, 5178), (357, 5190), (376, 5223), (384, 5229), (398, 5247), (404, 5256), (426, 5340), (428, 5349), (447, 5409), (457, 5427), (530, 5547), (543, 5574), (583, 5643), (607, 5673), (657, 5739), (710, 5844), (725, 5871), (768, 5931), (784, 5955), (812, 5994), (863, 6057), (892, 6108), (949, 6165),

Gene: TreyKay_8 Start: 1562, Stop: 2983, Start Num: 162

Candidate Starts for TreyKay_8:

(Start: 85 @1490 has 1 MA's), (Start: 153 @1550 has 11 MA's), (Start: 162 @1562 has 165 MA's), (Start: 225 @1673 has 18 MA's), (229, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (330, 1901), (356, 1943), (361, 1949), (383, 1976), (386, 1979), (426, 2096), (428, 2105), (458, 2186), (548, 2300), (574, 2348), (579, 2360), (593, 2390), (604, 2414), (612, 2426), (667, 2504), (670, 2510), (766, 2654), (784, 2687), (825, 2741), (969, 2918), (1025, 2972),

Gene: TriFive_5 Start: 1190, Stop: 2755, Start Num: 79

Candidate Starts for TriFive_5:

(38, 1139), (46, 1148), (Start: 79 @1190 has 143 MA's), (Start: 82 @1196 has 6 MA's), (203, 1367), (221, 1397), (281, 1472), (283, 1478), (285, 1484), (343, 1640), (347, 1649), (354, 1652), (355, 1655), (398, 1730), (415, 1784), (416, 1787), (417, 1790), (522, 2021), (563, 2096), (577, 2117), (579, 2123), (624, 2192), (653, 2216), (664, 2234), (670, 2249), (732, 2363), (764, 2402), (768, 2408), (810, 2474),

(855, 2528), (877, 2564), (884, 2576), (920, 2615), (995, 2702), (1028, 2747), (1029, 2750),

Gene: TribelTrouble_6 Start: 1306, Stop: 2730, Start Num: 162

Candidate Starts for TribelTrouble_6:

(Start: 108 @1267 has 52 MA's), (Start: 153 @1294 has 11 MA's), (Start: 162 @1306 has 165 MA's), (198, 1372), (199, 1375), (Start: 211 @1393 has 3 MA's), (Start: 225 @1417 has 18 MA's), (279, 1501), (283, 1510), (295, 1558), (302, 1576), (315, 1594), (330, 1645), (356, 1687), (361, 1693), (383, 1720), (426, 1840), (428, 1849), (458, 1930), (466, 1948), (548, 2044), (574, 2092), (579, 2104), (593, 2134), (604, 2158), (612, 2170), (670, 2254), (691, 2296), (764, 2395), (766, 2398), (789, 2440), (799, 2455), (823, 2482), (825, 2485), (969, 2662),

Gene: Trice_4 Start: 847, Stop: 2271, Start Num: 162

Candidate Starts for Trice_4:

(Start: 153 @835 has 11 MA's), (Start: 162 @847 has 165 MA's), (198, 913), (Start: 225 @958 has 18 MA's), (249, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (330, 1186), (361, 1234), (383, 1261), (426, 1381), (428, 1390), (440, 1426), (441, 1429), (458, 1471), (466, 1489), (548, 1585), (572, 1627), (574, 1633), (579, 1645), (593, 1675), (596, 1681), (604, 1699), (621, 1726), (670, 1795), (713, 1867), (766, 1939), (784, 1972), (789, 1981), (810, 2008), (825, 2026), (969, 2203), (1025, 2260), (1029, 2266),

Gene: Trine_2 Start: 545, Stop: 2110, Start Num: 118

Candidate Starts for Trine_2:

(Start: 118 @545 has 7 MA's), (Start: 129 @557 has 4 MA's), (199, 650), (222, 686), (285, 773), (299, 827), (330, 905), (348, 947), (359, 962), (375, 992), (401, 1013), (416, 1061), (428, 1112), (448, 1184), (450, 1190), (546, 1316), (600, 1418), (604, 1427), (612, 1439), (618, 1448), (667, 1511), (670, 1517), (683, 1550), (694, 1568), (710, 1601), (713, 1607), (725, 1628), (730, 1637), (732, 1640), (836, 1808), (837, 1811), (869, 1865), (871, 1868), (886, 1895), (934, 1946), (1048, 2102),

Gene: TripleC_7 Start: 4668, Stop: 6197, Start Num: 145

Candidate Starts for TripleC_7:

(Start: 145 @4668 has 1 MA's), (203, 4755), (212, 4770), (285, 4875), (329, 4998), (340, 5025), (428, 5256), (430, 5268), (447, 5325), (536, 5481), (544, 5502), (579, 5568), (581, 5574), (707, 5781), (768, 5865), (882, 6000),

Gene: Trireme_3 Start: 1179, Stop: 2639, Start Num: 107

Candidate Starts for Trireme_3:

(Start: 107 @1179 has 136 MA's), (Start: 113 @1185 has 2 MA's), (237, 1347), (242, 1356), (278, 1416), (303, 1485), (316, 1506), (331, 1557), (430, 1761), (511, 1896), (553, 1974), (565, 1989), (571, 2007), (580, 2025), (599, 2067), (621, 2100), (634, 2118), (710, 2238), (711, 2241), (719, 2253), (725, 2265), (732, 2277), (770, 2328), (804, 2385), (810, 2391), (816, 2400), (829, 2409), (831, 2412), (953, 2574), (959, 2583), (964, 2592), (989, 2631),

Gene: Troy_2 Start: 374, Stop: 1957, Start Num: 129

Candidate Starts for Troy_2:

(Start: 126 @371 has 4 MA's), (Start: 129 @374 has 4 MA's), (Start: 135 @380 has 81 MA's), (246, 551), (275, 629), (284, 638), (348, 812), (413, 914), (415, 920), (418, 929), (419, 938), (434, 998), (448, 1046), (449, 1049), (512, 1112), (561, 1205), (594, 1271), (690, 1427), (701, 1445), (733, 1490), (758, 1532), (781, 1568), (790, 1583), (811, 1610), (813, 1613), (821, 1628), (841, 1661), (852, 1676), (879, 1724), (909, 1754), (922, 1772), (973, 1847), (1029, 1922), (1046, 1946),

Gene: TruffulaTree_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for TruffulaTree_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's),
(Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330,
1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548,
2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670,
2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: TuertoX_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for TuertoX_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630),
(315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540,
1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730,
1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923,
1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: TukTuk_3 Start: 676, Stop: 2304, Start Num: 135

Candidate Starts for TukTuk_3:

(Start: 135 @676 has 81 MA's), (242, 832), (299, 940), (335, 1024), (344, 1048), (401, 1123), (417,
1174), (418, 1177), (431, 1237), (436, 1255), (445, 1285), (455, 1315), (705, 1771), (715, 1786), (956,
2137), (1058, 2293),

Gene: Tuti_4 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for Tuti_4:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (216, 973), (238, 1006), (257, 1039), (291, 1120),
(292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (410, 1357), (426, 1414),
(428, 1423), (431, 1438), (464, 1522), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756),
(639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951),
(763, 1993), (784, 2032), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Twinkle_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Twinkle_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630),
(315, 666), (336, 726), (398, 816), (400, 819), (410, 855), (426, 912), (428, 921), (431, 936), (458,
1008), (464, 1020), (493, 1071), (540, 1137), (562, 1179), (639, 1293), (667, 1338), (670, 1344), (677,
1365), (730, 1455), (732, 1458), (763, 1500), (782, 1536), (784, 1539), (810, 1575), (825, 1593), (855,
1629), (885, 1680), (925, 1743), (956, 1785), (994, 1827),

Gene: Twitch_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Twitch_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's),
(Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330,
1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548,
2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766,
2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: TyDawg_14 Start: 4719, Stop: 6263, Start Num: 102

Candidate Starts for TyDawg_14:

(Start: 102 @4719 has 21 MA's), (Start: 145 @4767 has 1 MA's), (282, 4968), (330, 5106), (425, 5298),
(530, 5508), (558, 5559), (598, 5631), (667, 5694), (676, 5718), (682, 5733), (720, 5793), (727, 5805),
(764, 5865), (782, 5898), (804, 5931), (827, 5958), (865, 6006), (995, 6192), (1008, 6213),

Gene: TymAbreu_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for TymAbreu_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (836, 2015), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: Typha_9 Start: 4674, Stop: 6299, Start Num: 73

Candidate Starts for Typha_9:

(22, 4593), (24, 4611), (54, 4650), (Start: 63 @4662 has 1 MA's), (70, 4668), (Start: 73 @4674 has 42 MA's), (Start: 79 @4680 has 143 MA's), (Start: 208 @4848 has 2 MA's), (215, 4860), (222, 4872), (299, 5016), (328, 5112), (330, 5121), (371, 5199), (374, 5205), (411, 5262), (416, 5277), (438, 5367), (448, 5400), (449, 5403), (517, 5475), (546, 5532), (568, 5580), (577, 5601), (582, 5613), (587, 5625), (600, 5649), (614, 5673), (618, 5679), (664, 5736), (672, 5754), (730, 5856), (761, 5898), (795, 5961), (800, 5970), (805, 5976), (898, 6090), (906, 6102), (924, 6120), (955, 6162), (983, 6204), (991, 6219),

Gene: Tyrellus_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Tyrellus_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Tyson_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Tyson_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: UPIE_4 Start: 1059, Stop: 2636, Start Num: 82

Candidate Starts for UPIE_4:

(Start: 79 @1053 has 143 MA's), (Start: 82 @1059 has 6 MA's), (203, 1230), (267, 1317), (281, 1335), (283, 1341), (291, 1377), (354, 1515), (355, 1518), (398, 1593), (415, 1647), (416, 1650), (417, 1653), (477, 1821), (516, 1875), (522, 1884), (530, 1899), (540, 1920), (563, 1959), (577, 1980), (579, 1986), (595, 2013), (624, 2055), (653, 2079), (664, 2097), (667, 2106), (670, 2112), (682, 2145), (704, 2178), (727, 2217), (730, 2223), (732, 2226), (768, 2271), (810, 2337), (854, 2388), (863, 2403), (866, 2412), (877, 2427), (879, 2430), (969, 2532), (991, 2559), (1028, 2610), (1029, 2613),

Gene: Ubuntu_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Ubuntu_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: UmaThurman_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for UmaThurman_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (289, 627), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (414, 891), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (667, 1365), (679, 1398), (704, 1431), (711, 1443), (735, 1479), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (877, 1689), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: UncleRicky_3 Start: 797, Stop: 2158, Start Num: 225

Candidate Starts for UncleRicky_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Underpass_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Underpass_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Unicorn_7 Start: 1549, Stop: 2976, Start Num: 162

Candidate Starts for Unicorn_7:

(Start: 162 @1549 has 165 MA's), (Start: 211 @1639 has 3 MA's), (Start: 225 @1663 has 18 MA's), (229, 1669), (279, 1747), (283, 1756), (295, 1804), (302, 1822), (330, 1891), (355, 1930), (361, 1939), (383, 1966), (415, 2044), (426, 2086), (428, 2095), (458, 2176), (503, 2224), (548, 2290), (572, 2332), (574, 2338), (579, 2350), (581, 2356), (593, 2380), (608, 2410), (621, 2431), (670, 2500), (691, 2542), (762, 2635), (784, 2677), (804, 2707), (825, 2731), (869, 2779), (969, 2908), (1025, 2965), (1029, 2971),

Gene: Upsilon_3 Start: 1104, Stop: 2564, Start Num: 107

Candidate Starts for Upsilon_3:

(Start: 107 @1104 has 136 MA's), (Start: 113 @1110 has 2 MA's), (237, 1272), (242, 1281), (278, 1341), (303, 1410), (316, 1431), (327, 1467), (331, 1482), (430, 1686), (511, 1821), (553, 1899), (565, 1914), (571, 1932), (580, 1950), (599, 1992), (621, 2025), (634, 2043), (710, 2163), (711, 2166), (719, 2178), (725, 2190), (770, 2253), (804, 2310), (810, 2316), (816, 2325), (829, 2334), (831, 2337), (953, 2499), (959, 2508), (964, 2517), (989, 2556),

Gene: Upyo_2 Start: 552, Stop: 2117, Start Num: 118

Candidate Starts for Upyo_2:

(Start: 118 @552 has 7 MA's), (132, 567), (166, 603), (285, 780), (299, 834), (309, 858), (348, 954), (359, 969), (401, 1020), (416, 1068), (428, 1119), (430, 1131), (448, 1191), (450, 1197), (452, 1203), (562, 1356), (618, 1455), (626, 1467), (667, 1518), (670, 1524), (686, 1563), (715, 1617), (725, 1635), (790, 1749), (837, 1821), (869, 1875), (934, 1956), (1048, 2109),

Gene: Urkel_8 Start: 1566, Stop: 2987, Start Num: 162

Candidate Starts for Urkel_8:

(Start: 85 @1494 has 1 MA's), (114, 1533), (Start: 153 @1554 has 11 MA's), (Start: 162 @1566 has 165 MA's), (Start: 225 @1677 has 18 MA's), (229, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (330, 1905), (356, 1947), (361, 1953), (383, 1980), (386, 1983), (400, 2007), (426, 2100), (428, 2109), (458, 2190), (466, 2208), (548, 2304), (574, 2352), (579, 2364), (593, 2394), (604, 2418), (612, 2430), (667, 2508), (670, 2514), (766, 2658), (784, 2691), (825, 2745), (969, 2922), (1025, 2976),

Gene: Urla_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Urla_2:

(Start: 79 @426 has 143 MA's), (222, 615), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (302, 762), (310, 780), (356, 882), (389, 942), (416, 1011), (418, 1017), (431, 1077), (449, 1137), (464, 1173), (495, 1236), (522, 1266), (584, 1362), (636, 1449), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (785, 1668), (799, 1689), (802, 1692), (865, 1755), (877, 1779), (956, 1857), (982, 1896), (1045, 1977),

Gene: Utopia_1 Start: 76, Stop: 1755, Start Num: 91

Candidate Starts for Utopia_1:

(38, 22), (Start: 91 @76 has 3 MA's), (Start: 177 @175 has 1 MA's), (Start: 213 @229 has 10 MA's), (222, 244), (241, 274), (242, 277), (257, 304), (329, 475), (330, 481), (335, 490), (434, 712), (454, 775), (517, 856), (554, 916), (570, 946), (713, 1183), (715, 1186), (788, 1300), (791, 1306), (832, 1354), (855, 1384), (908, 1456), (953, 1510), (982, 1552),

Gene: Utz_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Utz_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (355, 783), (360, 795), (381, 816), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (877, 1689), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Vagabond_31 Start: 13344, Stop: 14858, Start Num: 73

Candidate Starts for Vagabond_31:

(Start: 73 @13344 has 42 MA's), (Start: 76 @13347 has 13 MA's), (Start: 211 @13527 has 3 MA's), (267, 13620), (294, 13695), (310, 13728), (321, 13755), (330, 13785), (415, 13938), (417, 13944), (426, 13980), (428, 13989), (458, 14070), (462, 14079), (464, 14082), (504, 14121), (544, 14178), (564, 14214), (566, 14217), (666, 14373), (670, 14382), (707, 14451), (713, 14460), (717, 14466), (739, 14499), (766, 14535), (825, 14622), (847, 14643), (903, 14706), (904, 14709), (907, 14712), (919, 14730), (938, 14751), (969, 14793), (999, 14829), (1019, 14841),

Gene: Validus_8 Start: 1576, Stop: 3006, Start Num: 162

Candidate Starts for Validus_8:

(77, 1492), (Start: 162 @1576 has 165 MA's), (Start: 211 @1666 has 3 MA's), (Start: 225 @1690 has 18 MA's), (229, 1696), (249, 1735), (279, 1774), (283, 1783), (285, 1789), (295, 1831), (302, 1849), (315, 1867), (330, 1918), (383, 1993), (426, 2113), (428, 2122), (458, 2203), (503, 2251), (548, 2317), (574, 2365), (579, 2377), (593, 2407), (604, 2431), (621, 2458), (670, 2527), (691, 2569), (713, 2599), (727, 2623), (766, 2671), (784, 2704), (804, 2734), (825, 2758), (904, 2848), (969, 2938), (1025, 2995), (1029, 3001),

Gene: Vallejo_5 Start: 3064, Stop: 4629, Start Num: 79

Candidate Starts for Vallejo_5:

(Start: 79 @3064 has 143 MA's), (Start: 234 @3274 has 4 MA's), (237, 3277), (275, 3328), (296, 3385), (299, 3394), (310, 3418), (411, 3634), (416, 3649), (418, 3655), (431, 3715), (449, 3775), (495, 3874), (522, 3904), (584, 4000), (630, 4078), (636, 4087), (669, 4123), (686, 4162), (707, 4195), (715, 4204),

(730, 4231), (773, 4285), (799, 4327), (836, 4348), (852, 4372), (865, 4393), (877, 4417), (956, 4495), (1045, 4615),

Gene: Vanisius_3 Start: 1086, Stop: 2546, Start Num: 107

Candidate Starts for Vanisius_3:

(Start: 107 @1086 has 136 MA's), (Start: 113 @1092 has 2 MA's), (237, 1254), (242, 1263), (278, 1323), (303, 1392), (316, 1413), (331, 1464), (430, 1668), (553, 1881), (565, 1896), (580, 1932), (599, 1974), (621, 2007), (634, 2025), (710, 2145), (711, 2148), (719, 2160), (770, 2235), (810, 2298), (829, 2316), (831, 2319), (953, 2481), (959, 2490), (964, 2499), (989, 2538),

Gene: Vasanti_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Vasanti_2:

(67, 258), (Start: 108 @318 has 52 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763, 1500), (766, 1506), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (927, 1746), (1033, 1872),

Gene: Veliki_8 Start: 1637, Stop: 3058, Start Num: 162

Candidate Starts for Veliki_8:

(Start: 85 @1565 has 1 MA's), (Start: 153 @1625 has 11 MA's), (Start: 162 @1637 has 165 MA's), (Start: 225 @1748 has 18 MA's), (229, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (330, 1976), (356, 2018), (361, 2024), (383, 2051), (386, 2054), (426, 2171), (428, 2180), (458, 2261), (548, 2375), (574, 2423), (579, 2435), (593, 2465), (604, 2489), (612, 2501), (667, 2579), (670, 2585), (766, 2729), (784, 2762), (825, 2816), (969, 2993), (1025, 3047),

Gene: Velveteen_3 Start: 671, Stop: 2158, Start Num: 151

Candidate Starts for Velveteen_3:

(Start: 118 @659 has 7 MA's), (Start: 151 @671 has 89 MA's), (Start: 225 @797 has 18 MA's), (229, 803), (251, 845), (256, 851), (276, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (328, 1022), (336, 1043), (353, 1070), (357, 1079), (363, 1088), (365, 1091), (383, 1115), (400, 1142), (417, 1199), (422, 1220), (428, 1244), (430, 1256), (439, 1277), (443, 1289), (456, 1322), (459, 1328), (504, 1397), (505, 1403), (526, 1436), (543, 1472), (576, 1532), (579, 1541), (591, 1568), (642, 1646), (699, 1742), (732, 1787), (782, 1859), (809, 1898), (844, 1934), (847, 1940), (869, 1964), (896, 1994), (903, 2000), (938, 2042), (941, 2045), (943, 2048), (969, 2090), (975, 2102), (984, 2114),

Gene: Vendetta_7 Start: 3467, Stop: 5074, Start Num: 110

Candidate Starts for Vendetta_7:

(Start: 50 @3389 has 3 MA's), (Start: 110 @3467 has 6 MA's), (283, 3695), (310, 3779), (321, 3800), (328, 3821), (401, 3959), (418, 4013), (439, 4100), (440, 4103), (449, 4133), (536, 4238), (584, 4340), (657, 4463), (694, 4550), (705, 4565), (715, 4580), (761, 4643), (808, 4712), (836, 4754), (852, 4778), (881, 4829), (882, 4832), (905, 4865), (956, 4931), (988, 4982), (1050, 5060), (1054, 5066),

Gene: Venti_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Venti_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Vetrix_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Vetrix_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Vidya_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Vidya_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Vinye_4 Start: 799, Stop: 2292, Start Num: 115

Candidate Starts for Vinye_4:

(Start: 115 @799 has 16 MA's), (159, 841), (Start: 224 @943 has 1 MA's), (241, 970), (278, 1024), (285, 1033), (291, 1063), (294, 1072), (331, 1165), (416, 1312), (417, 1315), (429, 1363), (436, 1393), (452, 1444), (455, 1450), (461, 1462), (495, 1504), (517, 1525), (596, 1657), (614, 1690), (657, 1732), (698, 1825), (707, 1840), (753, 1906), (831, 2011), (865, 2056), (868, 2065), (928, 2125), (947, 2149), (956, 2164), (985, 2206), (990, 2218),

Gene: Vitas_2 Start: 593, Stop: 2155, Start Num: 135

Candidate Starts for Vitas_2:

(Start: 135 @593 has 81 MA's), (Start: 211 @701 has 3 MA's), (242, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (349, 977), (401, 1040), (431, 1154), (449, 1214), (455, 1232), (572, 1460), (592, 1505), (678, 1643), (921, 1970), (1050, 2144), (1052, 2147),

Gene: VitulaEligans_3 Start: 1155, Stop: 2615, Start Num: 107

Candidate Starts for VitulaEligans_3:

(Start: 107 @1155 has 136 MA's), (Start: 113 @1161 has 2 MA's), (237, 1323), (242, 1332), (278, 1392), (303, 1461), (316, 1482), (331, 1533), (430, 1737), (511, 1872), (553, 1950), (565, 1965), (580, 2001), (599, 2043), (621, 2076), (634, 2094), (710, 2214), (711, 2217), (719, 2229), (770, 2304), (810, 2367), (829, 2385), (831, 2388), (953, 2550), (959, 2559), (964, 2568),

Gene: ViviJ_5 Start: 1089, Stop: 2516, Start Num: 168

Candidate Starts for ViviJ_5:

(Start: 168 @1089 has 24 MA's), (198, 1146), (Start: 211 @1167 has 3 MA's), (Start: 225 @1191 has 18 MA's), (279, 1275), (283, 1284), (285, 1290), (302, 1350), (315, 1368), (330, 1419), (355, 1458), (415, 1572), (426, 1614), (428, 1623), (429, 1626), (458, 1704), (548, 1818), (574, 1866), (579, 1878), (593, 1908), (612, 1944), (630, 1971), (670, 2028), (713, 2112), (727, 2136), (782, 2214), (825, 2271), (849, 2295), (869, 2319), (969, 2448), (1025, 2505),

Gene: Volt_36 Start: 10775, Stop: 12181, Start Num: 182

Candidate Starts for Volt_36:

(146, 10718), (Start: 182 @10775 has 6 MA's), (268, 10901), (290, 10961), (293, 10970), (329, 11054), (351, 11108), (416, 11234), (418, 11240), (422, 11258), (439, 11324), (463, 11378), (481, 11411), (511, 11456), (579, 11549), (631, 11627), (663, 11672), (670, 11690), (713, 11753), (717, 11759), (798, 11885), (841, 11930), (853, 11948), (991, 12122),

Gene: Vorrps_30 Start: 13119, Stop: 14630, Start Num: 76

Candidate Starts for Vorrps_30:

(Start: 73 @13116 has 42 MA's), (Start: 76 @13119 has 13 MA's), (Start: 211 @13299 has 3 MA's), (267, 13392), (294, 13467), (310, 13500), (321, 13527), (330, 13557), (415, 13710), (417, 13716),

(426, 13752), (428, 13761), (458, 13842), (462, 13851), (464, 13854), (504, 13893), (544, 13950), (564, 13986), (566, 13989), (666, 14145), (670, 14154), (707, 14223), (713, 14232), (717, 14238), (739, 14271), (766, 14307), (825, 14394), (847, 14415), (903, 14478), (904, 14481), (907, 14484), (919, 14502), (938, 14523), (969, 14565), (999, 14601), (1019, 14613),

Gene: Vulpecula_3 Start: 1027, Stop: 2607, Start Num: 150

Candidate Starts for Vulpecula_3:

(22, 850), (Start: 84 @961 has 12 MA's), (Start: 150 @1027 has 12 MA's), (Start: 213 @1123 has 10 MA's), (218, 1132), (294, 1264), (299, 1279), (310, 1303), (431, 1576), (435, 1588), (449, 1636), (457, 1657), (482, 1717), (493, 1747), (498, 1756), (536, 1819), (664, 2035), (669, 2047), (705, 2113), (715, 2128), (732, 2158), (768, 2197), (772, 2206), (775, 2215), (840, 2305), (985, 2515), (1047, 2596),

Gene: Vulture_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Vulture_2:

(Start: 79 @429 has 143 MA's), (Start: 211 @600 has 3 MA's), (275, 693), (296, 750), (299, 759), (310, 783), (331, 837), (401, 966), (431, 1080), (449, 1140), (461, 1170), (522, 1269), (529, 1284), (636, 1452), (686, 1527), (688, 1530), (707, 1560), (770, 1644), (799, 1692), (837, 1716), (913, 1806), (956, 1860), (1015, 1941), (1045, 1980),

Gene: WST1_2 Start: 747, Stop: 2147, Start Num: 211

Candidate Starts for WST1_2:

(87, 600), (Start: 167 @663 has 21 MA's), (Start: 211 @747 has 3 MA's), (295, 909), (315, 945), (330, 996), (335, 1005), (426, 1191), (430, 1212), (439, 1233), (443, 1245), (458, 1281), (462, 1290), (496, 1353), (574, 1491), (579, 1503), (667, 1644), (670, 1650), (713, 1719), (722, 1737), (744, 1767), (766, 1791), (782, 1821), (804, 1854), (825, 1878), (869, 1932), (893, 1956),

Gene: WalkingDead_3 Start: 947, Stop: 2572, Start Num: 135

Candidate Starts for WalkingDead_3:

(Start: 135 @947 has 81 MA's), (242, 1103), (285, 1157), (299, 1211), (307, 1226), (335, 1295), (358, 1340), (417, 1445), (418, 1448), (431, 1508), (436, 1526), (437, 1529), (445, 1556), (455, 1586), (536, 1748), (665, 1964), (705, 2039), (713, 2051), (956, 2405),

Gene: Walrus_2 Start: 361, Stop: 1959, Start Num: 133

Candidate Starts for Walrus_2:

(Start: 108 @334 has 52 MA's), (127, 355), (Start: 133 @361 has 34 MA's), (209, 475), (214, 484), (238, 517), (246, 535), (257, 550), (270, 571), (282, 592), (290, 628), (299, 655), (315, 691), (327, 727), (330, 739), (355, 781), (356, 784), (431, 961), (446, 1003), (452, 1018), (458, 1033), (460, 1036), (511, 1111), (540, 1162), (639, 1318), (656, 1339), (658, 1342), (704, 1429), (711, 1441), (732, 1474), (735, 1477), (762, 1516), (764, 1522), (766, 1525), (810, 1594), (812, 1597), (862, 1657), (863, 1660), (866, 1669), (908, 1738), (917, 1753), (1049, 1942),

Gene: Wamburgxpress_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Wamburgxpress_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Wanda_10 Start: 3688, Stop: 5220, Start Num: 167

Candidate Starts for Wanda_10:

(Start: 94 @3604 has 4 MA's), (131, 3646), (139, 3655), (Start: 167 @3688 has 21 MA's), (Start: 235 @3802 has 15 MA's), (268, 3865), (284, 3898), (285, 3901), (294, 3940), (296, 3946), (328, 4021), (330, 4030), (398, 4132), (410, 4171), (420, 4204), (546, 4453), (579, 4516), (592, 4543), (680, 4702), (704, 4738), (720, 4759), (725, 4768), (730, 4777), (766, 4831), (777, 4855), (855, 4936), (969, 5089), (977, 5101),

Gene: Waterfoul_6 Start: 1347, Stop: 2774, Start Num: 168

Candidate Starts for Waterfoul_6:

(77, 1254), (Start: 168 @1347 has 24 MA's), (198, 1404), (Start: 211 @1425 has 3 MA's), (Start: 225 @1449 has 18 MA's), (279, 1533), (283, 1542), (285, 1548), (295, 1590), (302, 1608), (315, 1626), (330, 1677), (337, 1692), (383, 1752), (415, 1830), (426, 1872), (428, 1881), (429, 1884), (458, 1962), (548, 2076), (574, 2124), (593, 2166), (604, 2190), (612, 2202), (630, 2229), (665, 2274), (670, 2286), (762, 2433), (782, 2472), (825, 2529), (849, 2553), (869, 2577), (893, 2601), (965, 2700), (969, 2706), (1025, 2763),

Gene: Wawa_5 Start: 3103, Stop: 4668, Start Num: 79

Candidate Starts for Wawa_5:

(Start: 79 @3103 has 143 MA's), (Start: 234 @3313 has 4 MA's), (237, 3316), (275, 3367), (299, 3433), (310, 3457), (411, 3673), (415, 3685), (416, 3688), (418, 3694), (431, 3754), (449, 3814), (453, 3826), (495, 3913), (522, 3943), (529, 3958), (584, 4039), (630, 4117), (636, 4126), (669, 4162), (686, 4201), (707, 4234), (715, 4243), (730, 4270), (773, 4324), (799, 4366), (852, 4411), (865, 4432), (877, 4456), (956, 4534), (1045, 4654),

Gene: Wayne_5 Start: 3150, Stop: 4718, Start Num: 79

Candidate Starts for Wayne_5:

(Start: 79 @3150 has 143 MA's), (218, 3336), (237, 3366), (275, 3417), (285, 3429), (291, 3459), (296, 3474), (310, 3507), (356, 3609), (401, 3690), (416, 3738), (431, 3804), (445, 3852), (448, 3861), (450, 3867), (479, 3936), (495, 3963), (522, 3993), (545, 4032), (669, 4212), (707, 4284), (730, 4320), (799, 4416), (865, 4482), (901, 4512), (905, 4518), (956, 4584), (1045, 4704),

Gene: Webster2_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Webster2_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Weirdo19_2 Start: 543, Stop: 2216, Start Num: 42

Candidate Starts for Weirdo19_2:

(21, 483), (30, 522), (42, 543), (236, 729), (244, 747), (259, 768), (262, 780), (263, 783), (291, 861), (292, 864), (327, 945), (379, 1044), (398, 1074), (416, 1131), (426, 1170), (469, 1293), (562, 1482), (616, 1572), (628, 1590), (632, 1596), (654, 1620), (664, 1638), (704, 1713), (707, 1719), (721, 1743), (751, 1782), (764, 1806), (768, 1812), (784, 1842), (788, 1848), (789, 1851), (810, 1878), (863, 1944), (890, 1995), (895, 2004), (908, 2022), (946, 2067), (950, 2076), (956, 2085), (981, 2121), (995, 2127), (1053, 2205),

Gene: Wendigo_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for Wendigo_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809),

(355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Westrich_4 Start: 958, Stop: 2538, Start Num: 150

Candidate Starts for Westrich_4:

(Start: 84 @892 has 12 MA's), (Start: 150 @958 has 12 MA's), (Start: 213 @1054 has 10 MA's), (218, 1063), (Start: 224 @1072 has 1 MA's), (237, 1093), (248, 1117), (275, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (321, 1255), (419, 1456), (431, 1507), (436, 1525), (449, 1567), (457, 1588), (482, 1648), (493, 1678), (498, 1687), (536, 1750), (669, 1978), (686, 2017), (705, 2044), (715, 2059), (732, 2089), (768, 2128), (818, 2206), (840, 2236), (857, 2263), (985, 2446), (987, 2452), (1003, 2473), (1047, 2527),

Gene: Whack_2 Start: 366, Stop: 1988, Start Num: 99

Candidate Starts for Whack_2:

(Start: 86 @345 has 1 MA's), (Start: 89 @351 has 1 MA's), (Start: 99 @366 has 1 MA's), (200, 504), (238, 564), (257, 597), (295, 690), (327, 762), (343, 804), (412, 921), (426, 972), (431, 996), (478, 1113), (493, 1131), (620, 1332), (665, 1398), (672, 1416), (676, 1428), (735, 1518), (749, 1536), (779, 1593), (812, 1638), (825, 1653), (862, 1698),

Gene: WheatThin_6 Start: 1978, Stop: 3408, Start Num: 235

Candidate Starts for WheatThin_6:

(Start: 124 @1810 has 1 MA's), (127, 1813), (Start: 136 @1822 has 13 MA's), (Start: 235 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (325, 2176), (328, 2185), (381, 2269), (417, 2353), (421, 2368), (429, 2401), (451, 2467), (518, 2599), (618, 2788), (629, 2800), (664, 2848), (679, 2890), (715, 2941), (764, 3016), (766, 3019), (779, 3046), (825, 3106), (854, 3139), (863, 3154), (884, 3190), (908, 3232), (927, 3259), (956, 3295), (960, 3301), (995, 3340),

Gene: Whirlwind_6 Start: 1185, Stop: 2750, Start Num: 79

Candidate Starts for Whirlwind_6:

(Start: 79 @1185 has 143 MA's), (Start: 82 @1191 has 6 MA's), (203, 1362), (281, 1467), (285, 1479), (343, 1635), (347, 1644), (354, 1647), (355, 1650), (398, 1725), (415, 1779), (416, 1782), (417, 1785), (522, 2016), (563, 2091), (577, 2112), (579, 2118), (624, 2187), (653, 2211), (664, 2229), (670, 2244), (682, 2277), (732, 2358), (764, 2397), (768, 2403), (810, 2469), (855, 2523), (877, 2559), (884, 2571), (920, 2610), (995, 2697), (1028, 2742), (1029, 2745),

Gene: Whiteclaw_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Whiteclaw_2:

(Start: 108 @318 has 52 MA's), (190, 426), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Whitney_3 Start: 673, Stop: 2190, Start Num: 151

Candidate Starts for Whitney_3:

(120, 664), (Start: 151 @673 has 89 MA's), (220, 790), (Start: 225 @799 has 18 MA's), (256, 853), (276, 886), (292, 937), (295, 946), (315, 982), (328, 1024), (336, 1045), (342, 1057), (353, 1072), (363, 1090), (365, 1093), (367, 1096), (383, 1117), (400, 1144), (417, 1201), (428, 1246), (429, 1249), (430, 1258), (439, 1279), (443, 1291), (453, 1318), (459, 1330), (504, 1399), (507, 1411), (548, 1483), (561, 1507), (579, 1543), (591, 1570), (630, 1636), (651, 1657), (715, 1759), (732, 1786), (851, 1945), (869, 1963), (938, 2041), (941, 2044), (943, 2047), (969, 2089), (975, 2101), (984, 2113),

Gene: Whytu_1 Start: 77, Stop: 1762, Start Num: 91

Candidate Starts for Whytu_1:

(Start: 47 @32 has 1 MA's), (Start: 91 @77 has 3 MA's), (Start: 177 @176 has 1 MA's), (Start: 213 @230 has 10 MA's), (222, 245), (241, 275), (242, 278), (257, 305), (294, 392), (329, 476), (330, 482), (335, 491), (356, 536), (434, 713), (454, 776), (560, 929), (570, 947), (713, 1184), (715, 1187), (788, 1301), (791, 1307), (832, 1355), (855, 1385), (908, 1457), (953, 1511), (982, 1553), (1059, 1703), (1061, 1739), (1062, 1757),

Gene: Widow_2 Start: 482, Stop: 2065, Start Num: 118

Candidate Starts for Widow_2:

(2, 53), (3, 59), (7, 158), (Start: 118 @482 has 7 MA's), (242, 656), (275, 698), (291, 740), (325, 824), (348, 884), (399, 947), (403, 953), (416, 998), (436, 1082), (448, 1121), (512, 1190), (546, 1253), (577, 1307), (600, 1355), (632, 1406), (662, 1442), (679, 1487), (686, 1499), (707, 1535), (715, 1544), (725, 1562), (790, 1673), (837, 1745), (839, 1748), (852, 1766), (871, 1802), (934, 1901), (1048, 2057),

Gene: Wigglewiggle_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Wigglewiggle_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Wildcat_26 Start: 8104, Stop: 9717, Start Num: 88

Candidate Starts for Wildcat_26:

(Start: 88 @8104 has 6 MA's), (203, 8254), (214, 8272), (238, 8305), (249, 8317), (284, 8368), (285, 8371), (297, 8419), (299, 8425), (319, 8464), (320, 8467), (330, 8500), (369, 8569), (404, 8635), (408, 8653), (415, 8677), (417, 8683), (447, 8788), (467, 8830), (475, 8848), (480, 8857), (609, 9061), (613, 9067), (635, 9100), (727, 9265), (732, 9274), (739, 9280), (741, 9283), (782, 9358), (804, 9391), (816, 9406), (877, 9487), (991, 9640), (1006, 9661), (1007, 9664),

Gene: Wilder_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Wilder_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Wildflower_31 Start: 13111, Stop: 14625, Start Num: 73

Candidate Starts for Wildflower_31:

(Start: 73 @13111 has 42 MA's), (Start: 76 @13114 has 13 MA's), (Start: 211 @13294 has 3 MA's), (267, 13387), (294, 13462), (310, 13495), (321, 13522), (330, 13552), (415, 13705), (417, 13711), (426, 13747), (428, 13756), (458, 13837), (462, 13846), (464, 13849), (504, 13888), (544, 13945), (564, 13981), (566, 13984), (666, 14140), (670, 14149), (707, 14218), (713, 14227), (717, 14233), (739, 14266), (766, 14302), (825, 14389), (847, 14410), (903, 14473), (904, 14476), (907, 14479), (919, 14497), (938, 14518), (969, 14560), (996, 14593), (999, 14596), (1019, 14608),

Gene: WileyE_2 Start: 410, Stop: 1990, Start Num: 150

Candidate Starts for WileyE_2:

(68, 320), (Start: 84 @344 has 12 MA's), (Start: 150 @410 has 12 MA's), (Start: 213 @506 has 10 MA's), (218, 515), (285, 608), (294, 647), (299, 662), (431, 959), (435, 971), (436, 977), (449, 1019), (457, 1040), (482, 1100), (493, 1130), (498, 1139), (536, 1202), (664, 1418), (669, 1430), (705, 1496),

(715, 1511), (732, 1541), (768, 1580), (772, 1589), (775, 1598), (840, 1688), (985, 1898), (1047, 1979),

Gene: William_2 Start: 378, Stop: 1928, Start Num: 151

Candidate Starts for William_2:

(Start: 108 @333 has 52 MA's), (121, 348), (127, 354), (Start: 136 @363 has 13 MA's), (Start: 151 @378 has 89 MA's), (188, 441), (209, 477), (226, 504), (238, 519), (257, 552), (270, 573), (282, 594), (291, 633), (299, 657), (302, 663), (315, 693), (330, 741), (355, 783), (360, 795), (416, 900), (452, 1020), (511, 1113), (533, 1146), (540, 1164), (639, 1320), (656, 1341), (665, 1359), (704, 1431), (735, 1479), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (825, 1614), (884, 1701), (908, 1743), (948, 1794), (1035, 1911), (1038, 1917),

Gene: Willsammy_2 Start: 400, Stop: 2076, Start Num: 56

Candidate Starts for Willsammy_2:

(Start: 56 @400 has 50 MA's), (204, 616), (228, 655), (266, 712), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (327, 865), (335, 886), (340, 898), (390, 988), (451, 1177), (511, 1273), (530, 1303), (540, 1324), (625, 1465), (639, 1477), (667, 1522), (718, 1609), (762, 1675), (766, 1684), (779, 1711), (810, 1753), (825, 1771), (884, 1855), (890, 1870), (1035, 2059),

Gene: Winget_31 Start: 13343, Stop: 14857, Start Num: 73

Candidate Starts for Winget_31:

(Start: 73 @13343 has 42 MA's), (Start: 76 @13346 has 13 MA's), (Start: 211 @13526 has 3 MA's), (267, 13619), (294, 13694), (310, 13727), (321, 13754), (330, 13784), (415, 13937), (417, 13943), (426, 13979), (428, 13988), (458, 14069), (462, 14078), (464, 14081), (504, 14120), (544, 14177), (564, 14213), (566, 14216), (666, 14372), (670, 14381), (707, 14450), (713, 14459), (717, 14465), (739, 14498), (766, 14534), (825, 14621), (847, 14642), (903, 14705), (904, 14708), (907, 14711), (919, 14729), (938, 14750), (969, 14792), (999, 14828), (1019, 14840),

Gene: WinkNick_3 Start: 820, Stop: 2379, Start Num: 108

Candidate Starts for WinkNick_3:

(67, 760), (Start: 108 @820 has 52 MA's), (190, 928), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (336, 1228), (398, 1318), (400, 1321), (426, 1414), (431, 1438), (458, 1510), (493, 1573), (540, 1639), (562, 1681), (604, 1750), (608, 1756), (639, 1795), (654, 1816), (667, 1840), (670, 1846), (677, 1867), (707, 1912), (730, 1948), (732, 1951), (763, 1993), (855, 2122), (885, 2173), (975, 2302), (1033, 2362),

Gene: Winky_4 Start: 1069, Stop: 2637, Start Num: 79

Candidate Starts for Winky_4:

(Start: 79 @1069 has 143 MA's), (Start: 82 @1075 has 6 MA's), (194, 1231), (347, 1528), (355, 1534), (389, 1594), (415, 1666), (417, 1672), (422, 1693), (455, 1792), (477, 1840), (516, 1894), (530, 1918), (555, 1963), (558, 1969), (577, 1999), (579, 2005), (595, 2032), (598, 2041), (653, 2098), (657, 2104), (667, 2125), (670, 2131), (710, 2206), (711, 2209), (732, 2245), (768, 2290), (810, 2356), (866, 2431), (879, 2449), (884, 2458), (1008, 2605), (1028, 2629), (1029, 2632),

Gene: Wintermute_9 Start: 2464, Stop: 3909, Start Num: 162

Candidate Starts for Wintermute_9:

(Start: 162 @2464 has 165 MA's), (Start: 225 @2569 has 18 MA's), (279, 2653), (283, 2662), (295, 2710), (300, 2725), (315, 2752), (330, 2803), (339, 2821), (361, 2851), (383, 2878), (415, 2956), (426, 2998), (428, 3007), (429, 3010), (458, 3088), (462, 3097), (503, 3136), (548, 3202), (574, 3250), (593, 3292), (670, 3409), (689, 3451), (713, 3496), (764, 3565), (789, 3610), (804, 3631), (825, 3655), (969, 3832), (1025, 3898), (1029, 3904),

Gene: Wishmaker_5 Start: 1855, Stop: 3489, Start Num: 73

Candidate Starts for Wishmaker_5:

(Start: 73 @1855 has 42 MA's), (Start: 101 @1894 has 5 MA's), (Start: 157 @1942 has 40 MA's), (257, 2113), (280, 2152), (354, 2332), (358, 2341), (362, 2350), (398, 2413), (402, 2419), (424, 2503), (425, 2506), (426, 2509), (458, 2605), (460, 2608), (464, 2617), (499, 2683), (530, 2713), (543, 2740), (561, 2773), (574, 2794), (576, 2797), (639, 2893), (656, 2914), (704, 3004), (730, 3046), (743, 3064), (749, 3070), (784, 3133), (788, 3139), (789, 3142), (825, 3187), (830, 3193), (854, 3220), (863, 3235), (890, 3286), (895, 3295), (905, 3310), (908, 3313), (936, 3352), (948, 3367), (956, 3382), (958, 3385), (1031, 3463), (1034, 3469),

Gene: Wisp_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Wisp_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (766, 1527), (768, 1530), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Witch_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Witch_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Wizzo_2 Start: 378, Stop: 1889, Start Num: 157

Candidate Starts for Wizzo_2:

(Start: 157 @378 has 40 MA's), (Start: 181 @417 has 1 MA's), (186, 435), (207, 462), (217, 480), (238, 507), (240, 510), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (321, 669), (329, 693), (330, 699), (347, 738), (350, 747), (352, 750), (372, 789), (374, 792), (404, 861), (416, 906), (417, 909), (422, 930), (426, 945), (428, 954), (451, 1026), (458, 1044), (460, 1047), (464, 1053), (513, 1134), (531, 1155), (561, 1191), (579, 1227), (620, 1293), (648, 1326), (652, 1335), (664, 1356), (679, 1398), (725, 1476), (730, 1485), (741, 1497), (764, 1530), (774, 1551), (775, 1554), (777, 1557), (790, 1569), (816, 1599), (817, 1602), (838, 1620), (843, 1626), (855, 1647), (891, 1704), (893, 1707), (900, 1719), (917, 1731), (974, 1806), (1002, 1842), (1023, 1875), (1028, 1881),

Gene: Wocket_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Wocket_2:

(53, 255), (Start: 133 @360 has 34 MA's), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (460, 1038), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (766, 1527), (768, 1530), (784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911),

Gene: Wogge42_30 Start: 13433, Stop: 14947, Start Num: 73

Candidate Starts for Wogge42_30:

(Start: 73 @13433 has 42 MA's), (Start: 76 @13436 has 13 MA's), (Start: 211 @13616 has 3 MA's), (267, 13709), (294, 13784), (310, 13817), (321, 13844), (330, 13874), (415, 14027), (417, 14033), (426, 14069), (428, 14078), (458, 14159), (462, 14168), (464, 14171), (504, 14210), (544, 14267), (564, 14303), (566, 14306), (666, 14462), (670, 14471), (707, 14540), (713, 14549), (717, 14555), (739, 14588), (766, 14624), (825, 14711), (847, 14732), (903, 14795), (904, 14798), (907, 14801), (919, 14819), (938, 14840), (969, 14882), (996, 14915), (999, 14918), (1019, 14930),

Gene: Wolfpack_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Wolfpack_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (437, 1677), (511, 1788), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (989, 2523),

Gene: WonderBoy_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for WonderBoy_2:

(Start: 79 @426 has 143 MA's), (180, 549), (Start: 234 @636 has 4 MA's), (237, 639), (275, 690), (291, 732), (296, 747), (299, 756), (310, 780), (389, 942), (431, 1077), (437, 1098), (449, 1137), (495, 1236), (522, 1266), (529, 1281), (554, 1314), (584, 1362), (589, 1371), (636, 1449), (669, 1485), (686, 1524), (707, 1557), (715, 1566), (730, 1593), (773, 1647), (799, 1689), (852, 1734), (865, 1755), (877, 1779), (956, 1857),

Gene: WorldChangers_1 Start: 166, Stop: 1725, Start Num: 49

Candidate Starts for WorldChangers_1:

(Start: 49 @166 has 4 MA's), (98, 220), (137, 262), (Start: 213 @370 has 10 MA's), (218, 379), (329, 595), (330, 601), (336, 613), (403, 715), (415, 757), (434, 832), (492, 946), (517, 976), (520, 979), (570, 1063), (579, 1084), (583, 1096), (618, 1156), (679, 1246), (715, 1303), (791, 1423), (832, 1471), (863, 1513), (968, 1648), (982, 1669),

Gene: Wyatt2_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Wyatt2_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334), (283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652), (477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985), (595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177), (727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411), (877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Xavia_2 Start: 404, Stop: 2080, Start Num: 56

Candidate Starts for Xavia_2:

(11, 233), (16, 287), (Start: 19 @317 has 4 MA's), (Start: 56 @404 has 50 MA's), (141, 515), (204, 620), (228, 659), (266, 716), (270, 722), (280, 740), (289, 776), (292, 785), (296, 797), (299, 806), (302, 812), (327, 869), (335, 890), (340, 902), (390, 992), (451, 1181), (511, 1277), (540, 1328), (625, 1469), (639, 1481), (711, 1604), (762, 1679), (766, 1688), (779, 1715), (810, 1757), (825, 1775), (884, 1859), (890, 1874), (1035, 2063),

Gene: Xeno_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Xeno_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101), (455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Xerxes_2 Start: 501, Stop: 2036, Start Num: 160

Candidate Starts for Xerxes_2:

(Start: 160 @501 has 25 MA's), (Start: 164 @504 has 29 MA's), (173, 516), (Start: 175 @519 has 1 MA's), (200, 576), (212, 594), (219, 606), (273, 678), (284, 696), (288, 714), (293, 735), (321, 798), (335, 837), (354, 870), (377, 918), (410, 1002), (416, 1017), (429, 1068), (430, 1077), (440, 1101),

(455, 1140), (457, 1143), (462, 1155), (536, 1281), (546, 1305), (579, 1368), (631, 1452), (673, 1524), (682, 1548), (710, 1590), (716, 1599), (746, 1656), (766, 1695), (799, 1752), (807, 1758), (816, 1761), (841, 1782), (878, 1830), (900, 1866), (969, 1947), (974, 1953),

Gene: Ximenita_8 Start: 1691, Stop: 3118, Start Num: 162

Candidate Starts for Ximenita_8:

(Start: 162 @1691 has 165 MA's), (Start: 211 @1781 has 3 MA's), (Start: 225 @1805 has 18 MA's), (229, 1811), (279, 1889), (283, 1898), (295, 1946), (302, 1964), (330, 2033), (355, 2072), (383, 2108), (386, 2111), (415, 2186), (426, 2228), (428, 2237), (458, 2318), (503, 2366), (548, 2432), (572, 2474), (574, 2480), (579, 2492), (581, 2498), (593, 2522), (604, 2546), (608, 2552), (670, 2642), (691, 2684), (762, 2777), (764, 2783), (766, 2786), (784, 2819), (804, 2849), (825, 2873), (869, 2921), (969, 3050), (1025, 3107), (1029, 3113),

Gene: Ximeno_2 Start: 361, Stop: 1926, Start Num: 59

Candidate Starts for Ximeno_2:

(59, 361), (Start: 92 @412 has 1 MA's), (Start: 101 @424 has 5 MA's), (122, 448), (Start: 153 @472 has 11 MA's), (Start: 224 @583 has 1 MA's), (241, 610), (285, 673), (291, 703), (294, 712), (300, 730), (349, 841), (371, 874), (417, 955), (429, 1003), (452, 1084), (553, 1219), (570, 1246), (596, 1297), (614, 1330), (730, 1513), (795, 1606), (831, 1645), (836, 1651), (847, 1660), (868, 1699), (947, 1783), (956, 1798), (994, 1858), (1024, 1888),

Gene: Y10_09 Start: 2570, Stop: 3910, Start Num: 225

Candidate Starts for Y10_09:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: Y2_09 Start: 2570, Stop: 3910, Start Num: 225

Candidate Starts for Y2_09:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: Yami_3 Start: 1068, Stop: 2522, Start Num: 113

Candidate Starts for Yami_3:

(Start: 107 @1062 has 136 MA's), (Start: 113 @1068 has 2 MA's), (237, 1230), (242, 1239), (278, 1299), (303, 1368), (316, 1389), (331, 1440), (430, 1644), (511, 1779), (553, 1857), (565, 1872), (571, 1890), (580, 1908), (599, 1950), (621, 1983), (634, 2001), (710, 2121), (711, 2124), (719, 2136), (725, 2148), (732, 2160), (770, 2211), (804, 2268), (810, 2274), (816, 2283), (829, 2292), (831, 2295), (953, 2457), (959, 2466), (964, 2475), (989, 2514),

Gene: YangYin_2 Start: 344, Stop: 1912, Start Num: 74

Candidate Starts for YangYin_2:

(Start: 74 @344 has 22 MA's), (282, 647), (295, 698), (315, 734), (335, 794), (414, 947), (415, 953), (417, 959), (426, 995), (430, 1016), (442, 1046), (458, 1085), (462, 1094), (574, 1247), (612, 1322), (614, 1325), (670, 1403), (679, 1427), (713, 1472), (766, 1553), (784, 1586), (789, 1595), (799, 1610), (804, 1616), (810, 1622), (893, 1712), (900, 1724), (903, 1727), (969, 1820), (1025, 1901),

Gene: Yank_4 Start: 800, Stop: 2290, Start Num: 112

Candidate Starts for Yank_4:

(Start: 112 @800 has 46 MA's), (159, 845), (Start: 224 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (241, 974), (252, 992), (275, 1025), (278, 1028), (285, 1037), (291, 1067), (300, 1094), (344, 1193), (409, 1292), (416, 1316), (417, 1319), (418, 1322), (429, 1367), (566, 1601), (590, 1649), (596, 1661), (618, 1700), (630, 1718), (657, 1730), (660, 1733), (667, 1754), (670, 1760), (674, 1772), (715, 1850), (753, 1904), (785, 1958), (795, 1970), (868, 2063), (947, 2147), (985, 2204), (1036, 2273),

Gene: YasnayaPolyana_9 Start: 2570, Stop: 3910, Start Num: 225

Candidate Starts for YasnayaPolyana_9:

(Start: 162 @2465 has 165 MA's), (Start: 225 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (330, 2804), (339, 2822), (361, 2852), (383, 2879), (415, 2957), (426, 2999), (428, 3008), (429, 3011), (458, 3089), (462, 3098), (503, 3137), (548, 3203), (574, 3251), (593, 3293), (670, 3410), (689, 3452), (713, 3497), (764, 3566), (789, 3611), (804, 3632), (825, 3656), (969, 3833), (1025, 3899), (1029, 3905),

Gene: Yasuo_3 Start: 1071, Stop: 2531, Start Num: 107

Candidate Starts for Yasuo_3:

(Start: 107 @1071 has 136 MA's), (Start: 113 @1077 has 2 MA's), (237, 1239), (242, 1248), (278, 1308), (303, 1377), (316, 1398), (331, 1449), (430, 1653), (553, 1866), (565, 1881), (580, 1917), (599, 1959), (621, 1992), (634, 2010), (710, 2130), (711, 2133), (719, 2145), (770, 2220), (810, 2283), (829, 2301), (831, 2304), (953, 2466), (959, 2475), (964, 2484), (989, 2523),

Gene: Yavru_1 Start: 76, Stop: 1761, Start Num: 91

Candidate Starts for Yavru_1:

(38, 22), (Start: 91 @76 has 3 MA's), (Start: 177 @175 has 1 MA's), (Start: 213 @229 has 10 MA's), (222, 244), (241, 274), (242, 277), (257, 304), (329, 475), (330, 481), (331, 484), (335, 490), (340, 502), (434, 712), (454, 775), (493, 829), (517, 856), (554, 916), (570, 946), (715, 1186), (788, 1300), (791, 1306), (832, 1354), (855, 1384), (908, 1456), (953, 1510), (982, 1552),

Gene: Yeet412_2 Start: 318, Stop: 1889, Start Num: 108

Candidate Starts for Yeet412_2:

(Start: 108 @318 has 52 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (336, 726), (398, 816), (400, 819), (426, 912), (431, 936), (446, 978), (468, 1032), (493, 1071), (540, 1137), (546, 1149), (562, 1179), (585, 1212), (639, 1293), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (763, 1500), (766, 1506), (782, 1536), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (923, 1740), (925, 1743), (956, 1785), (1033, 1872),

Gene: Yeezy_2 Start: 318, Stop: 1901, Start Num: 108

Candidate Starts for Yeezy_2:

(Start: 108 @318 has 52 MA's), (190, 426), (238, 504), (257, 537), (292, 621), (295, 630), (336, 726), (400, 819), (426, 912), (431, 936), (446, 978), (493, 1071), (540, 1137), (562, 1179), (610, 1257), (627, 1281), (639, 1293), (654, 1314), (667, 1338), (670, 1344), (677, 1365), (730, 1455), (732, 1458), (763, 1500), (766, 1506), (784, 1539), (825, 1593), (855, 1629), (885, 1680), (925, 1743), (994, 1827), (1015, 1857),

Gene: YertPhresh_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for YertPhresh_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Yonex_6 Start: 2058, Stop: 3779, Start Num: 95

Candidate Starts for Yonex_6:

(72, 2022), (Start: 95 @2058 has 13 MA's), (Start: 115 @2079 has 16 MA's), (199, 2202), (Start: 213 @2223 has 10 MA's), (242, 2271), (278, 2316), (283, 2319), (293, 2361), (299, 2379), (300, 2382), (321, 2424), (356, 2505), (358, 2508), (401, 2562), (431, 2676), (449, 2736), (457, 2757), (553, 2988), (584, 3054), (592, 3069), (678, 3240), (715, 3297), (741, 3339), (770, 3372), (794, 3411), (837, 3453), (921, 3552), (934, 3570), (937, 3573), (942, 3579), (985, 3642), (1020, 3687), (1058, 3768),

Gene: Yoshi_3 Start: 663, Stop: 2183, Start Num: 151

Candidate Starts for Yoshi_3:

(Start: 118 @651 has 7 MA's), (Start: 151 @663 has 89 MA's), (Start: 225 @789 has 18 MA's), (231, 798), (256, 843), (274, 873), (276, 876), (281, 882), (292, 927), (300, 951), (315, 972), (328, 1014), (336, 1035), (353, 1062), (363, 1080), (365, 1083), (383, 1107), (400, 1134), (417, 1191), (426, 1227), (428, 1236), (430, 1248), (432, 1254), (439, 1269), (443, 1281), (453, 1308), (456, 1314), (459, 1320), (478, 1356), (491, 1365), (505, 1395), (524, 1425), (526, 1428), (576, 1524), (579, 1533), (591, 1560), (645, 1644), (662, 1659), (727, 1770), (732, 1779), (739, 1788), (782, 1851), (844, 1926), (851, 1938), (869, 1956), (903, 1992), (938, 2034), (943, 2040), (969, 2082), (975, 2094), (984, 2106), (1040, 2172),

Gene: YoureAdopted_7 Start: 1563, Stop: 2984, Start Num: 162

Candidate Starts for YoureAdopted_7:

(Start: 85 @1491 has 1 MA's), (Start: 153 @1551 has 11 MA's), (Start: 162 @1563 has 165 MA's), (Start: 225 @1674 has 18 MA's), (229, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (330, 1902), (356, 1944), (361, 1950), (383, 1977), (386, 1980), (426, 2097), (428, 2106), (458, 2187), (548, 2301), (574, 2349), (579, 2361), (593, 2391), (604, 2415), (612, 2427), (621, 2442), (667, 2505), (670, 2511), (766, 2655), (784, 2688), (825, 2742), (969, 2919), (1025, 2973),

Gene: YoyoKar_29 Start: 13078, Stop: 14592, Start Num: 73

Candidate Starts for YoyoKar_29:

(Start: 73 @13078 has 42 MA's), (Start: 76 @13081 has 13 MA's), (Start: 211 @13261 has 3 MA's), (267, 13354), (294, 13429), (310, 13462), (321, 13489), (330, 13519), (415, 13672), (417, 13678), (426, 13714), (428, 13723), (458, 13804), (462, 13813), (464, 13816), (504, 13855), (544, 13912), (564, 13948), (566, 13951), (666, 14107), (670, 14116), (707, 14185), (713, 14194), (717, 14200), (739, 14233), (766, 14269), (825, 14356), (847, 14377), (903, 14440), (904, 14443), (907, 14446), (919, 14464), (938, 14485), (969, 14527), (996, 14560), (999, 14563), (1019, 14575),

Gene: Yubaba_3 Start: 1074, Stop: 2534, Start Num: 107

Candidate Starts for Yubaba_3:

(Start: 107 @1074 has 136 MA's), (Start: 113 @1080 has 2 MA's), (237, 1242), (242, 1251), (278, 1311), (303, 1380), (316, 1401), (331, 1452), (430, 1656), (553, 1869), (565, 1884), (580, 1920), (599, 1962), (621, 1995), (634, 2013), (710, 2133), (711, 2136), (719, 2148), (770, 2223), (810, 2286), (829, 2304), (831, 2307), (953, 2469), (959, 2478), (964, 2487), (989, 2526),

Gene: Yuna_8 Start: 1651, Stop: 3090, Start Num: 153

Candidate Starts for Yuna_8:

(77, 1579), (Start: 85 @1591 has 1 MA's), (Start: 153 @1651 has 11 MA's), (Start: 162 @1663 has 165 MA's), (Start: 211 @1753 has 3 MA's), (Start: 225 @1777 has 18 MA's), (229, 1783), (279, 1861), (283, 1870), (285, 1876), (295, 1918), (298, 1927), (302, 1936), (315, 1954), (330, 2005), (355, 2044), (361, 2053), (383, 2080), (426, 2200), (428, 2209), (458, 2290), (548, 2404), (572, 2446), (574, 2452), (579, 2464), (593, 2494), (608, 2524), (621, 2545), (667, 2608), (670, 2614), (691, 2656), (762, 2749), (766, 2758), (789, 2800), (810, 2827), (825, 2845), (854, 2878), (975, 3034), (1025, 3079), (1029, 3085),

Gene: YungJamal_33 Start: 13409, Stop: 14920, Start Num: 76

Candidate Starts for YungJamal_33:

(Start: 73 @13406 has 42 MA's), (Start: 76 @13409 has 13 MA's), (Start: 211 @13589 has 3 MA's), (267, 13682), (294, 13757), (310, 13790), (321, 13817), (330, 13847), (415, 14000), (417, 14006), (426, 14042), (428, 14051), (458, 14132), (462, 14141), (464, 14144), (504, 14183), (544, 14240), (564, 14276), (566, 14279), (666, 14435), (670, 14444), (707, 14513), (713, 14522), (717, 14528), (739, 14561), (766, 14597), (825, 14684), (847, 14705), (903, 14768), (904, 14771), (907, 14774), (919, 14792), (938, 14813), (969, 14855), (999, 14891), (1019, 14903),

Gene: Yunkel11_8 Start: 1587, Stop: 3011, Start Num: 162

Candidate Starts for Yunkel11_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 211 @1674 has 3 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (249, 1743), (279, 1782), (283, 1791), (285, 1797), (295, 1839), (302, 1857), (315, 1875), (330, 1926), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (464, 2223), (503, 2259), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (608, 2445), (621, 2466), (670, 2535), (713, 2607), (764, 2676), (766, 2679), (784, 2712), (825, 2766), (849, 2790), (904, 2853), (969, 2943), (1025, 3000), (1029, 3006),

Gene: ZAYM_2 Start: 521, Stop: 2170, Start Num: 94

Candidate Starts for ZAYM_2:

(Start: 94 @521 has 4 MA's), (120, 551), (238, 722), (285, 806), (330, 932), (335, 941), (371, 1007), (388, 1055), (431, 1190), (540, 1391), (562, 1433), (585, 1466), (639, 1547), (649, 1565), (654, 1568), (732, 1712), (739, 1721), (762, 1754), (764, 1760), (796, 1814), (810, 1832), (825, 1850), (877, 1922), (895, 1958), (939, 2012), (956, 2039), (977, 2072), (1009, 2123),

Gene: Zabiza_8 Start: 1587, Stop: 3008, Start Num: 162

Candidate Starts for Zabiza_8:

(Start: 85 @1515 has 1 MA's), (Start: 153 @1575 has 11 MA's), (Start: 162 @1587 has 165 MA's), (Start: 225 @1698 has 18 MA's), (229, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (330, 1926), (356, 1968), (361, 1974), (383, 2001), (386, 2004), (426, 2121), (428, 2130), (458, 2211), (548, 2325), (574, 2373), (579, 2385), (593, 2415), (604, 2439), (612, 2451), (621, 2466), (667, 2529), (670, 2535), (766, 2679), (784, 2712), (825, 2766), (969, 2943), (1025, 2997),

Gene: Zaheer_6 Start: 2162, Stop: 3868, Start Num: 115

Candidate Starts for Zaheer_6:

(72, 2105), (Start: 95 @2141 has 13 MA's), (Start: 115 @2162 has 16 MA's), (180, 2237), (Start: 213 @2306 has 10 MA's), (222, 2321), (242, 2354), (278, 2399), (283, 2402), (293, 2444), (299, 2462), (300, 2465), (321, 2507), (356, 2588), (358, 2591), (401, 2645), (431, 2759), (457, 2840), (485, 2906), (488, 2915), (553, 3077), (584, 3143), (592, 3158), (678, 3329), (715, 3386), (741, 3428), (770, 3461), (794, 3500), (837, 3542), (921, 3641), (934, 3659), (937, 3662), (942, 3668), (985, 3731), (1058, 3857),

Gene: Zahlia_3 Start: 1176, Stop: 2636, Start Num: 107

Candidate Starts for Zahlia_3:

(Start: 107 @1176 has 136 MA's), (Start: 113 @1182 has 2 MA's), (237, 1344), (242, 1353), (278, 1413), (303, 1482), (316, 1503), (331, 1554), (430, 1758), (553, 1971), (565, 1986), (580, 2022), (599, 2064), (621, 2097), (634, 2115), (710, 2235), (711, 2238), (719, 2250), (770, 2325), (810, 2388), (829, 2406), (831, 2409), (953, 2571), (959, 2580), (964, 2589), (989, 2628),

Gene: Zakai_4 Start: 1057, Stop: 2625, Start Num: 79

Candidate Starts for Zakai_4:

(Start: 79 @1057 has 143 MA's), (Start: 82 @1063 has 6 MA's), (194, 1219), (347, 1516), (355, 1522), (389, 1582), (415, 1654), (417, 1660), (422, 1681), (455, 1780), (516, 1882), (530, 1906), (555, 1951), (558, 1957), (577, 1987), (579, 1993), (595, 2020), (598, 2029), (653, 2086), (657, 2092), (667, 2113), (670, 2119), (710, 2194), (711, 2197), (732, 2233), (768, 2278), (810, 2344), (866, 2419), (879, 2437), (884, 2446), (1008, 2593), (1028, 2617), (1029, 2620),

Gene: Zakhe101_31 Start: 13259, Stop: 14770, Start Num: 76

Candidate Starts for Zakhe101_31:

(Start: 73 @13256 has 42 MA's), (Start: 76 @13259 has 13 MA's), (Start: 211 @13439 has 3 MA's),
(267, 13532), (294, 13607), (310, 13640), (321, 13667), (330, 13697), (415, 13850), (417, 13856),
(426, 13892), (428, 13901), (458, 13982), (462, 13991), (464, 13994), (544, 14090), (564, 14126),
(566, 14129), (666, 14285), (670, 14294), (707, 14363), (713, 14372), (717, 14378), (739, 14411),
(766, 14447), (825, 14534), (847, 14555), (903, 14618), (904, 14621), (907, 14624), (919, 14642),
(938, 14663), (969, 14705), (996, 14738), (999, 14741), (1019, 14753),

Gene: Zapner_4 Start: 1188, Stop: 2708, Start Num: 151

Candidate Starts for Zapner_4:

(Start: 118 @1176 has 7 MA's), (Start: 151 @1188 has 89 MA's), (Start: 225 @1314 has 18 MA's),
(231, 1323), (256, 1368), (274, 1398), (276, 1401), (281, 1407), (292, 1452), (300, 1476), (315, 1497),
(328, 1539), (336, 1560), (353, 1587), (363, 1605), (365, 1608), (383, 1632), (400, 1659), (417, 1716),
(426, 1752), (428, 1761), (430, 1773), (432, 1779), (439, 1794), (443, 1806), (456, 1839), (459, 1845),
(478, 1881), (491, 1890), (505, 1920), (524, 1950), (526, 1953), (576, 2049), (579, 2058), (591, 2085),
(645, 2169), (662, 2184), (727, 2295), (732, 2304), (739, 2313), (782, 2376), (844, 2451), (851, 2463),
(869, 2481), (903, 2517), (938, 2559), (943, 2565), (969, 2607), (975, 2619), (984, 2631), (1040, 2697),

Gene: Zarbodnamra_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Zarbodnamra_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552),
(270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (356, 786), (360, 795), (383, 822),
(416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359),
(679, 1398), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530),
(784, 1560), (799, 1584), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794),
(1021, 1890), (1030, 1902), (1035, 1911), (1038, 1917),

Gene: Zaria_4 Start: 1052, Stop: 2635, Start Num: 79

Candidate Starts for Zaria_4:

(Start: 79 @1052 has 143 MA's), (Start: 82 @1058 has 6 MA's), (203, 1229), (267, 1316), (281, 1334),
(283, 1340), (291, 1376), (354, 1514), (355, 1517), (398, 1592), (415, 1646), (416, 1649), (417, 1652),
(477, 1820), (516, 1874), (522, 1883), (530, 1898), (540, 1919), (563, 1958), (577, 1979), (579, 1985),
(595, 2012), (624, 2054), (653, 2078), (664, 2096), (667, 2105), (670, 2111), (682, 2144), (704, 2177),
(727, 2216), (730, 2222), (732, 2225), (768, 2270), (810, 2336), (854, 2387), (863, 2402), (866, 2411),
(877, 2426), (879, 2429), (969, 2531), (991, 2558), (1028, 2609), (1029, 2612),

Gene: Zavala_8 Start: 1572, Stop: 2993, Start Num: 162

Candidate Starts for Zavala_8:

(Start: 85 @1500 has 1 MA's), (Start: 153 @1560 has 11 MA's), (Start: 162 @1572 has 165 MA's),
(Start: 225 @1683 has 18 MA's), (229, 1689), (279, 1767), (283, 1776), (295, 1824), (302, 1842), (330,
1911), (356, 1953), (361, 1959), (383, 1986), (386, 1989), (426, 2106), (428, 2115), (458, 2196), (548,
2310), (574, 2358), (579, 2370), (593, 2400), (604, 2424), (612, 2436), (667, 2514), (670, 2520), (766,
2664), (784, 2697), (825, 2751), (969, 2928), (1025, 2982),

Gene: Zebo_30 Start: 13080, Stop: 14591, Start Num: 76

Candidate Starts for Zebo_30:

(Start: 73 @13077 has 42 MA's), (Start: 76 @13080 has 13 MA's), (Start: 211 @13260 has 3 MA's),
(267, 13353), (294, 13428), (310, 13461), (321, 13488), (330, 13518), (415, 13671), (417, 13677),
(426, 13713), (428, 13722), (458, 13803), (462, 13812), (464, 13815), (504, 13854), (544, 13911),
(564, 13947), (566, 13950), (666, 14106), (670, 14115), (707, 14184), (713, 14193), (717, 14199),
(739, 14232), (766, 14268), (825, 14355), (847, 14376), (903, 14439), (904, 14442), (907, 14445),

(919, 14463), (938, 14484), (969, 14526), (999, 14562), (1019, 14574),

Gene: ZhongYanYuan_3 Start: 901, Stop: 2469, Start Num: 79

Candidate Starts for ZhongYanYuan_3:

(Start: 79 @901 has 143 MA's), (Start: 82 @907 has 6 MA's), (Start: 88 @916 has 6 MA's), (194, 1063), (267, 1165), (302, 1255), (347, 1360), (415, 1498), (417, 1504), (428, 1549), (455, 1624), (477, 1672), (516, 1726), (530, 1750), (540, 1771), (555, 1795), (558, 1801), (577, 1831), (579, 1837), (598, 1873), (653, 1930), (664, 1948), (670, 1963), (710, 2038), (711, 2041), (732, 2077), (741, 2086), (768, 2122), (810, 2188), (866, 2263), (879, 2281), (884, 2290), (1008, 2437), (1028, 2461), (1029, 2464),

Gene: Zhuangyuan_4 Start: 1041, Stop: 2672, Start Num: 84

Candidate Starts for Zhuangyuan_4:

(Start: 84 @1041 has 12 MA's), (218, 1206), (237, 1236), (275, 1287), (285, 1299), (294, 1338), (299, 1353), (302, 1359), (375, 1515), (401, 1536), (417, 1587), (431, 1650), (457, 1731), (464, 1746), (489, 1800), (490, 1803), (553, 1929), (584, 1989), (592, 2004), (632, 2070), (661, 2097), (664, 2106), (715, 2199), (732, 2229), (768, 2268), (772, 2277), (785, 2301), (818, 2346), (865, 2415), (890, 2448), (895, 2457), (899, 2463), (913, 2484), (915, 2487), (934, 2511), (985, 2580), (1010, 2610), (1015, 2619), (1047, 2661),

Gene: ZiggyZoo_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for ZiggyZoo_2:

(53, 255), (Start: 133 @360 has 34 MA's), (190, 444), (209, 477), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (315, 693), (327, 729), (330, 741), (355, 783), (360, 795), (383, 822), (416, 900), (446, 1005), (452, 1020), (458, 1035), (511, 1113), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (741, 1488), (743, 1491), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (812, 1599), (884, 1701), (908, 1743), (917, 1758), (936, 1779), (948, 1794), (1021, 1890), (1030, 1902), (1035, 1911),

Gene: Ziko_37 Start: 10715, Stop: 12121, Start Num: 182

Candidate Starts for Ziko_37:

(146, 10658), (Start: 182 @10715 has 6 MA's), (268, 10841), (290, 10901), (293, 10910), (329, 10994), (351, 11048), (416, 11174), (418, 11180), (422, 11198), (439, 11264), (463, 11318), (481, 11351), (511, 11396), (579, 11489), (631, 11567), (663, 11612), (670, 11630), (713, 11693), (717, 11699), (798, 11825), (841, 11870), (853, 11888), (991, 12062),

Gene: Zilizebeth_2 Start: 413, Stop: 2089, Start Num: 56

Candidate Starts for Zilizebeth_2:

(Start: 56 @413 has 50 MA's), (204, 629), (228, 668), (266, 725), (270, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (327, 878), (335, 899), (340, 911), (390, 1001), (451, 1190), (511, 1286), (530, 1316), (540, 1337), (639, 1490), (762, 1688), (766, 1697), (779, 1724), (810, 1766), (825, 1784), (884, 1868), (890, 1883), (1035, 2072),

Gene: Zilla_2 Start: 360, Stop: 1928, Start Num: 133

Candidate Starts for Zilla_2:

(Start: 108 @333 has 52 MA's), (Start: 133 @360 has 34 MA's), (Start: 136 @363 has 13 MA's), (190, 444), (209, 477), (217, 492), (238, 519), (246, 537), (257, 552), (270, 573), (282, 594), (291, 633), (302, 663), (315, 693), (327, 729), (330, 741), (343, 771), (356, 786), (381, 816), (383, 822), (404, 852), (416, 900), (446, 1005), (452, 1020), (458, 1035), (466, 1053), (511, 1113), (533, 1146), (540, 1164), (639, 1320), (665, 1359), (679, 1398), (704, 1431), (711, 1443), (735, 1479), (741, 1488), (749, 1497), (762, 1518), (766, 1527), (768, 1530), (784, 1560), (810, 1596), (812, 1599), (862, 1659), (884, 1701), (908, 1743), (936, 1779), (948, 1794), (996, 1857), (1030, 1902), (1035, 1911),

Gene: Zixiang_3 Start: 749, Stop: 2329, Start Num: 150

Candidate Starts for Zixiang_3:

(Start: 84 @689 has 12 MA's), (Start: 150 @749 has 12 MA's), (Start: 213 @845 has 10 MA's), (218, 854), (Start: 224 @863 has 1 MA's), (237, 884), (275, 935), (294, 986), (299, 1001), (321, 1046), (419, 1247), (431, 1298), (438, 1322), (449, 1358), (457, 1379), (482, 1439), (493, 1469), (498, 1478), (536, 1541), (662, 1751), (669, 1769), (705, 1835), (707, 1841), (715, 1850), (732, 1880), (768, 1919), (818, 1997), (850, 2042), (857, 2054), (934, 2168), (985, 2237), (987, 2243), (994, 2255), (1003, 2264), (1047, 2318),

Gene: ZoMa_2 Start: 455, Stop: 1891, Start Num: 170

Candidate Starts for ZoMa_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Zodiariah_2 Start: 432, Stop: 1991, Start Num: 155

Candidate Starts for Zodiariah_2:

(33, 276), (58, 309), (75, 333), (93, 363), (127, 402), (Start: 155 @432 has 6 MA's), (192, 498), (230, 558), (238, 567), (261, 606), (330, 777), (331, 780), (343, 807), (356, 822), (397, 876), (417, 939), (428, 984), (458, 1071), (460, 1074), (478, 1116), (493, 1134), (500, 1164), (509, 1182), (511, 1185), (522, 1200), (622, 1374), (639, 1395), (654, 1413), (664, 1431), (667, 1440), (704, 1503), (711, 1515), (732, 1548), (735, 1551), (764, 1596), (766, 1599), (779, 1626), (810, 1668), (825, 1686), (847, 1707), (886, 1776), (887, 1779), (908, 1812), (930, 1845), (952, 1875), (979, 1914),

Gene: ZoeJ_4 Start: 652, Stop: 2073, Start Num: 162

Candidate Starts for ZoeJ_4:

(77, 574), (Start: 85 @586 has 1 MA's), (90, 595), (Start: 162 @652 has 165 MA's), (198, 712), (Start: 211 @733 has 3 MA's), (Start: 224 @754 has 1 MA's), (279, 838), (283, 847), (295, 895), (315, 931), (330, 982), (355, 1021), (361, 1030), (383, 1057), (426, 1177), (428, 1186), (429, 1189), (458, 1267), (462, 1276), (548, 1381), (574, 1429), (579, 1441), (593, 1471), (604, 1495), (614, 1510), (670, 1588), (691, 1630), (713, 1660), (764, 1729), (772, 1744), (804, 1795), (825, 1819), (869, 1867), (965, 1990), (969, 1996), (1025, 2062), (1029, 2068),

Gene: Zombie_2 Start: 359, Stop: 1891, Start Num: 74

Candidate Starts for Zombie_2:

(Start: 74 @359 has 22 MA's), (Start: 170 @455 has 43 MA's), (Start: 172 @458 has 3 MA's), (Start: 189 @494 has 1 MA's), (Start: 211 @533 has 3 MA's), (295, 695), (330, 782), (335, 791), (343, 809), (355, 821), (417, 941), (426, 977), (430, 998), (439, 1019), (458, 1067), (462, 1076), (574, 1229), (602, 1289), (614, 1307), (655, 1358), (670, 1385), (676, 1400), (677, 1403), (732, 1484), (763, 1529), (810, 1604), (825, 1622), (846, 1643), (889, 1688), (900, 1706), (903, 1709), (969, 1802), (1028, 1883),

Gene: Zorro_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Zorro_5:

(Start: 79 @3082 has 143 MA's), (Start: 234 @3292 has 4 MA's), (275, 3346), (296, 3403), (299, 3412), (411, 3652), (416, 3667), (418, 3673), (431, 3733), (449, 3793), (495, 3892), (522, 3922), (529, 3937), (584, 4018), (630, 4096), (636, 4105), (669, 4141), (686, 4180), (707, 4213), (715, 4222), (730, 4249), (773, 4303), (799, 4345), (852, 4390), (865, 4411), (877, 4435), (956, 4513), (1045, 4633),

Gene: Zucker_3 Start: 797, Stop: 2302, Start Num: 164

Candidate Starts for Zucker_3:

(Start: 164 @797 has 29 MA's), (255, 941), (285, 992), (298, 1043), (368, 1181), (385, 1223), (395, 1241), (438, 1385), (442, 1397), (461, 1442), (464, 1448), (508, 1526), (523, 1547), (601, 1676), (668,

1778), (671, 1784), (678, 1805), (709, 1856), (769, 1943), (811, 2003), (853, 2051), (874, 2084), (974, 2216),