

[illegible]

	79		217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080
61. CameO_Mailey_5	79		217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080
62. MrBoss_5	79	181	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080
63. Pterodactyl_2	79	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080	
64. AustinPowers_2	79	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080	
65. Graynor_5	79	181	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080
66. Lennox_2	79	181	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080
67. Lucy_2	79	181	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080
68. Christian_2	79	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080	
69. MeganNoli_5 + 1	79	217	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080	
60. Daiboku_2	79	234	285	296	310	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987		1080	
61. Rozby_5		110	163	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
62. rinoCrisci_4 + 21		110	163	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
63. Swenson_4 + 7		110	163	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
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67. Vinye_4		110	163	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
68. Decurio_4 + 2		110	163	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
69. Seume_4 + 1		110	163	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
70. ElectricPheel_5	51	88	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
71. FirePit_2 + 2	41	88	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
72. SenaiPhiler_2	51	88	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
73. Anielagos_2		88	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
74. Abidatro_3		61	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
75. Chickaboom_2 + 1		61	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
76. Niblet_3 + 2		61	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
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78. Orcanus_3		61	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
79. Basilisk_3		61	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
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86. Toad24_4		61	152	217	285	296	374	416	432	450	475	520	533	551	577		636	701	735	753	829	883	888	987	1080	1080
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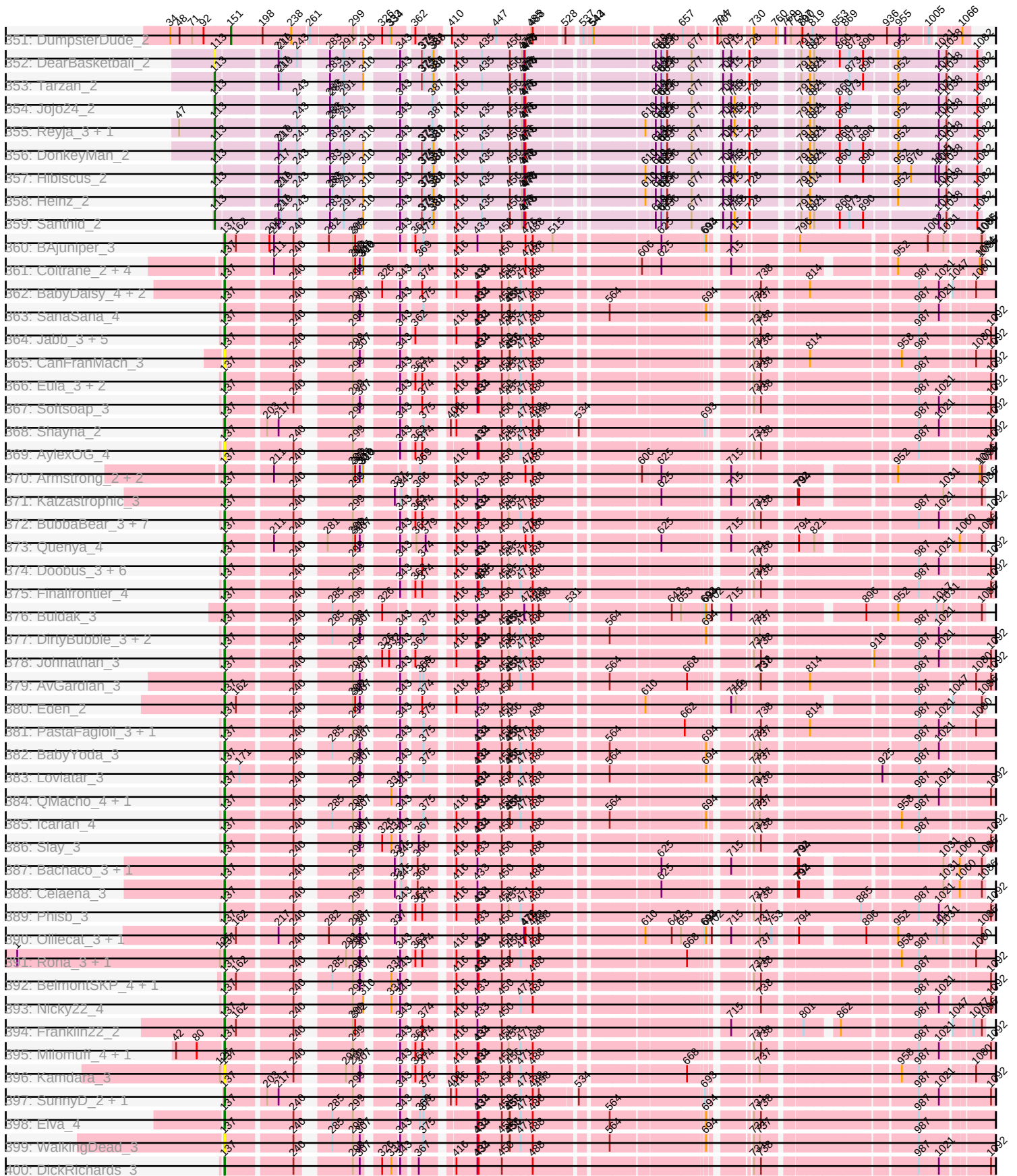
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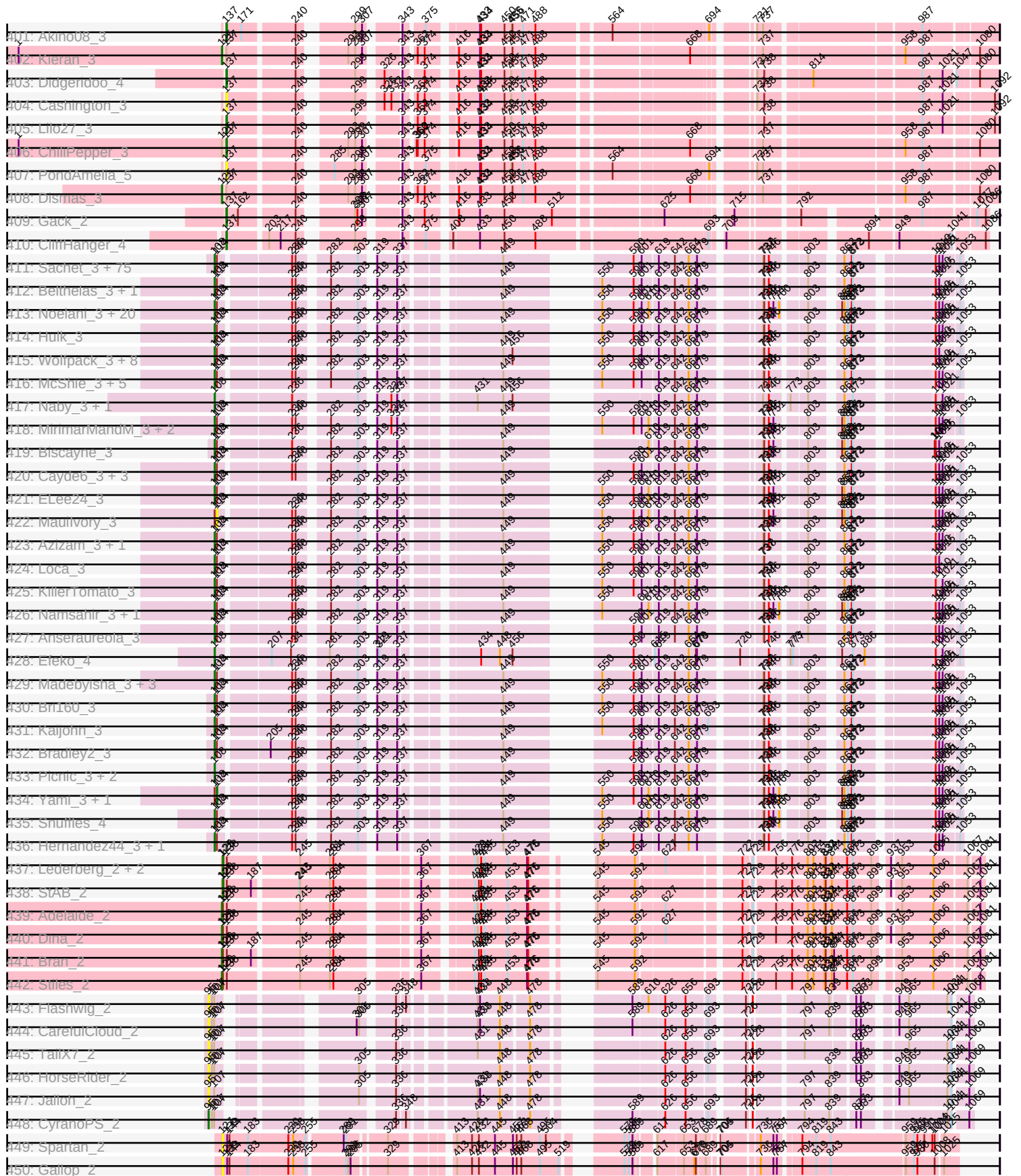
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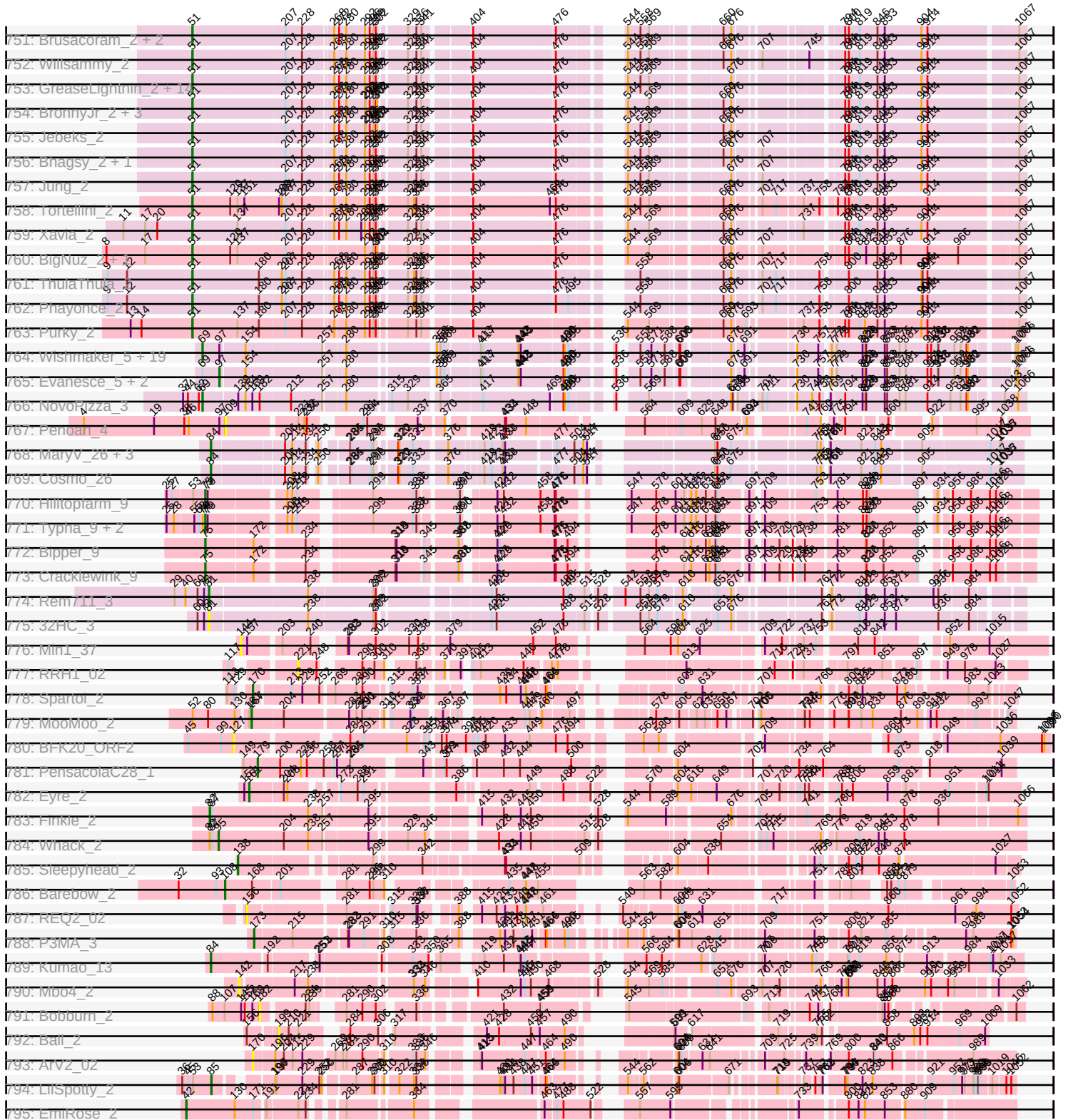
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#59: Beakin_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#60: Mozy_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#61: Job42_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#62: Tchotchke_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#63: OncleRicky_3+1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#64: Owist2vv_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#65: Juice456_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#66: Cornucopia_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#67: Simran21_3+1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#68: Ugopogo_4	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#69: Oksu_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#70: Seagreen_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#71: DirtMcGirt_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#72: Mova_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#73: Quilco_3+1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#74: Marker_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#75: Boomer_3+1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#76: Awesomesauce_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#77: Soul22_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#78: Avani_3+2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#79: Jabbawokkie_4+2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#80: Demsculpinboyz_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#81: Che9d_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#82: Shoya_2+1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#83: Gibbzima_2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#84: JeanClaude_2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#85: BrayBeast_2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#86: MargaretKali_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#87: Alalato_2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#88: Kumotta_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#89: Sarge_2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#90: Pigu_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#91: Whytu_1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#92: Otopia_1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#93: LauKoruNamu_3+2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#94: Idaho_3	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#95: CheeseDanish_4+2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#96: KING13_4	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#97: Nueiy_2	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#98: Berka_4	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#99: BlueFeather_1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304
#00: Yavru_1	121	154	238	268	290	316	339	358	415	438	449	466	481	536	574	608	628	681	731	760	821	845	859	880	898	908	9304

	64	74	128	165	195	233	253	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
501: WorldChangers_1	64	74	128	165	195	233	253	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
502: Piku_1	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
503: Donatella_5	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
504: Nandita_6 + 1	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
505: Schism_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
506: Julie_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
507: Yonex_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
508: Halloween_4	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
509: ToastyOats_7	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
510: Popper_4	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
511: Lenoxika_6	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
512: Dindigger_5	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
513: Cole_4	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
514: AllBusiness_5	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
515: Elesar_5	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
516: Kinatsu_7	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
517: Ryan_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
518: QuinnAvery_6 + 1	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
519: Gusanna_4	35	50	91	116	191	201	240	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
520: ISHungry_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
521: MmmySue_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
522: GoodLuckBabe_6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
523: Samicari_5	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
524: Ichiang_4	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
525: Zaneer_6	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
526: Foodies_6	70	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
527: Bauer_4 + 1	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
528: BlackSpider_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
529: BellaJr_4	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
530: Cassini_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
531: Maja_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
532: EvenBlueMoon_3 + 4	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
533: CocoCinnamon_5	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
534: JanetJ_3	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
535: CaminAMBarbz_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
536: BaileyBlu_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
537: Jankie_2 + 1	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
538: LisoBros_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
539: Enly_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
540: Merpity_3	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
541: MrSnee_2 + 1	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
542: Pibou_2	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
543: TripleC_7	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
544: Audeil_7	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
545: Neuvilleite_4 + 6	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
546: Mireles_4	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
547: Makima_5	73	98	116	191	201	240	250	281	294	324	335	374	418	431	453	486	527	540	580	604	626	651	714	738	807	838	865	951	981	1001
548: Ezurina_3	73	98	116	191	201	2																								

501: Geraldini_8 + 1	88	159	258	258	258	333	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
502: TrifoliaTree_8 + 14	88	111	159	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
503: DrHayes_8 + 4	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
504: Mylnx_8 + 1	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
505: Dole_8 + 2	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
506: Oscar_7 + 2	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
507: Murucutumbu_8	79	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
508: LastHope_8	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
509: Guanica15_8	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
510: Deby_8 + 2	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
511: Anaya_9	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
512: MarkPnew_7	88	111	159	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
513: Bella96_8 + 1	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
514: Niob_7	108	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
515: Chavito_8	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
516: KISI_7	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
517: Elra2_8	79	111	159	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
518: Curiosium_9	79	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
519: Valdis_8	79	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
520: TingHuaya_8	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
521: LaterM_8 + 2	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
522: Yunker11_8	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
523: Milly_4	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
524: BoostSeason_4	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
525: TM4_4	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
526: DismalStressor_4 + 2	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
527: Findley_4	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
528: Strobilo_4	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
529: Doughnut_4 + 1	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
530: ZoeJ_4	111	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
531: Keshu_7 + 1	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
532: TBond007_7	79	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
533: Neighny_6	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
534: Lea83_7 + 1	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
535: Pixie_7	111	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
536: IndieTrouble_6	900	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
537: Pharo_7	111	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
538: MachCheese_8	88	159	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
539: SamScheppers_7 + 1	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
540: MissDaisy_9 + 2	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
541: Mitu_9 + 4	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
542: Mathus_9 + 4	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
543: Y2_09 + 2	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
544: Ruthejr_8	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
545: Lebo14_9	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
546: DanSyl44_9 + 1	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
547: Juliette_9	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
548: Eponine_9	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
549: Bobquesha_9	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052
550: AileyCat_6 + 2	159	258	258	258	258	258	333	333	333	415	449	579	683	683	683	700	800	823	855	993	1052

[illegible]

[illegible]



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 302926 Report

This analysis was run 06/08/26 on database version 649.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 302926 has 1610 members, 213 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_2
- Track 2 : Weirdo19_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, Kalizoi_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 : Glenn_5, Wawa_5
- Track 48 : Immaculata_5
- Track 49 : Chridison_2
- Track 50 : Oxynfrius_5
- Track 51 : CallieOMalley_5
- Track 52 : MrBoss_5
- Track 53 : Pterodactyl_2
- Track 54 : AustinPowers_2
- Track 55 : Graynor_5
- Track 56 : Lennox_2
- Track 57 : Lucy_2
- Track 58 : Christian_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, Damocles_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 : GramZayde_3
- Track 99 : LittleTokyo_3
- Track 100 : Coral_3
- Track 101 : PhirstandPhine_4
- Track 102 : Kuleana_3
- Track 103 : Zhuangyuan_4
- Track 104 : Antrice_3
- Track 105 : Bibble12_4, HannahPhantana_4
- Track 106 : Amphitrite_2
- Track 107 : Leona_2, Azaz_2, Rattail_2
- Track 108 : Babushka_2
- Track 109 : Oppalora_2, AdoptaAdorbs_2, PhluffyCoco_2, AmiCi24_2, DanHam62_2, RedFox_2, Camara_2, Glotell_2
- Track 110 : Laphuphu24k_2
- Track 111 : KHumphrey_2
- Track 112 : HamCheese_2
- Track 113 : AlexMinion_2, StuartMinion_2
- Track 114 : Andrew_3
- Track 115 : Fingolfin_2
- Track 116 : Atlantica_2
- Track 117 : Juno112_2
- Track 118 : Renna12_3
- Track 119 : Atraxa_3, Sputnik_3
- Track 120 : MooKitty_3
- Track 121 : Adaia_3
- Track 122 : Raqqa_3
- Track 123 : AbbyDaisy_3
- Track 124 : Lilbooboo_2
- Track 125 : Samora_2
- Track 126 : Vash_2
- Track 127 : phiBT1_33
- Track 128 : Euratis_2
- Track 129 : TG1_2
- Track 130 : Shawty_2
- Track 131 : Sebastisaurus_2
- Track 132 : Heather_2
- Track 133 : RemusLoopin_2
- Track 134 : Kubed_2

- Track 135 : MEAK_2
- Track 136 : P100.1_2
- Track 137 : P100A_2
- Track 138 : PA6_2
- Track 139 : Moyashi_2
- Track 140 : PAS50_2
- Track 141 : P9.1_2
- Track 142 : Procrass1_2
- Track 143 : P100D_2
- Track 144 : ATCC29399BT_2
- Track 145 : P105_2
- Track 146 : P14.4_2
- Track 147 : PHL111M01_02
- Track 148 : Solid_2
- Track 149 : P106M_2, P106C_2, P106L_2, P106I_2
- Track 150 : LilBandit_2
- Track 151 : SKKY_2
- Track 152 : Enoki_2
- Track 153 : P101A_2
- Track 154 : Ouroboros_2
- Track 155 : PHL060L00_02
- Track 156 : PHL010M04_02
- Track 157 : P1.1_2
- Track 158 : ATCC29399BC_2, P107C_2
- Track 159 : MrAK_2
- Track 160 : P108C_2
- Track 161 : PAD20_2
- Track 162 : P106A_2
- Track 163 : PHL037M02_02
- Track 164 : PHL113M01_02
- Track 165 : Wizzo_2
- Track 166 : Stormborn_2
- Track 167 : Aquarius_2
- Track 168 : Cota_2, Keiki_2
- Track 169 : Leviosa_2
- Track 170 : Supernova_2
- Track 171 : P104B_2
- Track 172 : PHL114L00_02
- Track 173 : PHL112N00_02
- Track 174 : QueenBey_2
- Track 175 : DrParker_2
- Track 176 : Attacne_2
- Track 177 : Enochoraptor_2
- Track 178 : Lauchelly_2
- Track 179 : Pirate_2
- Track 180 : BruceLethal_2
- Track 181 : PHL071N05_02
- Track 182 : P107A_2
- Track 183 : Rileysaurus_2
- Track 184 : P104A_2
- Track 185 : PHL067M10_02
- Track 186 : B3_3, Anatole_3, E1_3
- Track 187 : E6_3

- Track 188 : Doucette_3
- Track 189 : B22_3
- Track 190 : G4_3
- Track 191 : PFR2_02, PFR1_02
- Track 192 : Morrissey_2
- Track 193 : Puppies_2, Widow_2
- Track 194 : Mahdia_2
- Track 195 : Applejacks_2
- Track 196 : Gustav_2
- Track 197 : Trine_2
- Track 198 : Upyo_2
- Track 199 : Shagrat_8
- Track 200 : Jflix2_8, SFuller_9
- Track 201 : RegnumDei_6
- Track 202 : CurlyFries_6
- Track 203 : Madraxi_10
- Track 204 : REQ1_66
- Track 205 : TinaLin_10, Banquo_11
- Track 206 : Huffy_9, DinoDaryn_9
- Track 207 : Goib_8, Splinter_7, Vendetta_7
- Track 208 : TZGordon_9
- Track 209 : Gspat1_5
- Track 210 : Dardanus_9
- Track 211 : Schmidt_5
- Track 212 : Catfish_6
- Track 213 : Soilmate_2, Blino_2
- Track 214 : Malachai_2, Begonia_2
- Track 215 : CheeseSpider_2
- Track 216 : Frokostdame_2
- Track 217 : Jalammah_2, Samba_2, Lysidious_2
- Track 218 : Blueberry_2, MissRona_2, Azula_2, Gambino_2
- Track 219 : CaptainKirk2_2, Barco_2, Zarbodnamra_2, Archis_2, MintFen_2, Melba_2, Delian_2
- Track 220 : Walrus_2
- Track 221 : Wocket_2
- Track 222 : Zilla_2
- Track 223 : UmaThurman_2
- Track 224 : CarolAnn_2
- Track 225 : PhrostedPhlake_2
- Track 226 : Fairfaxidum_2
- Track 227 : Wisp_2
- Track 228 : Pipp_2
- Track 229 : Hitter_2, BlingBling_2
- Track 230 : KappaFarmDelta_2
- Track 231 : ZiggyZoo_2
- Track 232 : PrincePatrick_2
- Track 233 : Murp_2
- Track 234 : Obliviate_2
- Track 235 : William_2
- Track 236 : Toast_2, PCoral7_2
- Track 237 : Utz_2
- Track 238 : Petra_2
- Track 239 : Guacamole_2, JasperJr_2

- Track 240 : Fenry_2
- Track 241 : JuJu_2
- Track 242 : Mellie_2
- Track 243 : McGonagall_2, Jeanie_2
- Track 244 : Rahul_2
- Track 245 : GRU3_2
- Track 246 : Coeur_2
- Track 247 : GMA5_2
- Track 248 : Schiebs_2
- Track 249 : Lton_2
- Track 250 : Ohgeesy_2
- Track 251 : EdnaMode_2, Lamberg_2, Nettuno_2, Pickett_2
- Track 252 : Cynthia_2, Clap_2, Sproutie_2, TuertoX_2, Yinzer_2, Ebert_2, Mocha12_2, Savage_2, GemG_2, Whiteclaw_2, Gizermo_2, Haley23_2
- Track 253 : JCole_2
- Track 254 : Sahara_2
- Track 255 : Attis_2, Yeet412_2, Bjanes7_2, SoilAssassin_2, LordFarquaad_2
- Track 256 : Matteo_2
- Track 257 : Jalleen_2
- Track 258 : Vasanti_2
- Track 259 : FroggyToad_2
- Track 260 : PantheRoc_2
- Track 261 : BaxterFox_2
- Track 262 : Yeezy_2
- Track 263 : Twinkle_2, Adora_2, Hortense_2, Howe_2, Shlim410_2
- Track 264 : Powerball_2
- Track 265 : Samman98_3
- Track 266 : Annalisa_3
- Track 267 : Dolores_3, WinkNick_3
- Track 268 : PhriskyACE_2
- Track 269 : Beenie_3, MichaelScott_3, Easley_3, Clark_3
- Track 270 : DobbysSock_2
- Track 271 : Oregano_2
- Track 272 : Tuti_3
- Track 273 : Thimann_3
- Track 274 : Sekhmet_3
- Track 275 : Suerte_2
- Track 276 : Invectra_3
- Track 277 : Dorito_2
- Track 278 : Rizz_4
- Track 279 : Denise_2
- Track 280 : Moosehead_2
- Track 281 : Faith5x5_2
- Track 282 : OneDirection_2
- Track 283 : Sidious_2
- Track 284 : Ghobes_1
- Track 285 : Frizzle_1
- Track 286 : Sapo_1
- Track 287 : Archimedes_1
- Track 288 : Doggs_2
- Track 289 : DirtyBoi_2
- Track 290 : ZAYM_2, TaronosaurusRx_2
- Track 291 : MagicMan_2, Schnabeltier_2

- Track 292 : Kiko_2
- Track 293 : Coriander_2
- Track 294 : NaLuna_2, GEazy_2, HannahD_2
- Track 295 : Hedwig_2
- Track 296 : BackstagePass_2
- Track 297 : Opie_2
- Track 298 : RayTheFireFly_2
- Track 299 : Jecs_2
- Track 300 : Moonflower_2, Chipko_2
- Track 301 : Bunker_2
- Track 302 : PatriciaStar_2
- Track 303 : Bowser_2
- Track 304 : BBQValindra_2
- Track 305 : Dmitri_2
- Track 306 : Eyes_2
- Track 307 : InLimbo_2
- Track 308 : Lucky10_2
- Track 309 : Morkie_2, PhorbesPhlower_2
- Track 310 : Bock_6
- Track 311 : Pimento_6
- Track 312 : NancyRae_6, Ayotoya_6
- Track 313 : Brylie_6, Mulch_6, Nadeem_6, Parada_6, WheatThin_6
- Track 314 : GrandSlam_6, Chop_6, Hamood_6
- Track 315 : Francois_6
- Track 316 : BetterKatz_6
- Track 317 : DelRio_6
- Track 318 : Emperor_2
- Track 319 : SallySpecial_2
- Track 320 : EpicDab_2
- Track 321 : Dirtfootball_2
- Track 322 : BotCity_3
- Track 323 : Ecliptus_3
- Track 324 : Malisha_3
- Track 325 : LitninMcQueen_3, CheeseTouch_3, Budski_3, ODay_3, Kamaru_3, Holliday_3, Phabuloso_3
- Track 326 : BENtherdunthat_3, Asapag_3
- Track 327 : Periwinkle_3, Horus_3, Kenna_3, Lutum_3
- Track 328 : Phistory_3
- Track 329 : Whitney_3, Getalong_3
- Track 330 : Leroy_3
- Track 331 : ShawBrad_3
- Track 332 : Frickyeh_3
- Track 333 : Spooky_3
- Track 334 : Squiddly_4
- Track 335 : Ziko_37, Ronaldo_37, Volt_36
- Track 336 : Guey18_39
- Track 337 : Keelan_32
- Track 338 : Fryberger_34
- Track 339 : Kudefre_12
- Track 340 : Sephiroth_13, Syleon_13
- Track 341 : Octobien14_13
- Track 342 : Trax_12, LilJank_12
- Track 343 : Neville_12

- Track 344 : Rabbitrun_14
- Track 345 : Zodiariah_2
- Track 346 : MakCheese_2
- Track 347 : Ruthy_2
- Track 348 : ArchiDore_2
- Track 349 : Malibo_2
- Track 350 : SprinkleMunch_2
- Track 351 : DumpsterDude_2
- Track 352 : DearBasketball_2
- Track 353 : Tarzan_2
- Track 354 : Jojo24_2
- Track 355 : Reyja_3, DinoNuggets_3
- Track 356 : DonkeyMan_2
- Track 357 : Hibiscus_2
- Track 358 : Heinz_2
- Track 359 : Santhid_2
- Track 360 : BAjuniper_3
- Track 361 : Coltrane_2, Rollins_2, Skylord_2, Brahms_2, Bernstein_2
- Track 362 : BabyDaisy_4, IndyLu_3, Kate33_3
- Track 363 : SanaSana_4
- Track 364 : Jabb_3, TukTuk_3, MsUbiquitous_3, CupcakePrincess_3, SarBear_3, Swervy_3
- Track 365 : CanFranMach_3
- Track 366 : Eula_3, Pecas_3, Jovita_3
- Track 367 : Softsoap_3
- Track 368 : Shayna_2
- Track 369 : AylexOG_4
- Track 370 : Armstrong_2, Clayda5_2, Vitas_2
- Track 371 : Katzastraphic_3
- Track 372 : BubbaBear_3, PhigPhack_3, CroZenni_3, Albedo_3, SirBeanington_3, SansAfet_3, Lynlen_3, Kenzers_3
- Track 373 : Quenya_4
- Track 374 : Doobus_3, LimaBean_3, Albright_3, Avocadoman_3, Burritobowl_3, Bengal_3, Abigail_3
- Track 375 : FinalFrontier_4
- Track 376 : Buldak_3
- Track 377 : DirtyBubble_3, Stoor_3, Stromboli_3
- Track 378 : Johnathan_3
- Track 379 : AvGardian_3
- Track 380 : Eden_2
- Track 381 : PastaFagioli_3, Lahqtemish_3
- Track 382 : BabyYoda_3
- Track 383 : Loviatar_3
- Track 384 : QMacho_4, Arroyo_4
- Track 385 : Icarian_4
- Track 386 : Slay_3
- Track 387 : Bachaco_3, FlameThrower_3
- Track 388 : Celaena_3
- Track 389 : Phisb_3
- Track 390 : Olliecat_3, Squircle_3
- Track 391 : Rona_3, Sharkboy_3
- Track 392 : BelmontSKP_4, AnnaLie_4
- Track 393 : Nicky22_4

- Track 394 : Franklin22_2
- Track 395 : Milomuff_4, Solea_4
- Track 396 : Kamdara_3
- Track 397 : SunnyD_2, Teagster_2
- Track 398 : Elva_4
- Track 399 : WalkingDead_3
- Track 400 : DickRichards_3
- Track 401 : Akino08_3
- Track 402 : Kieran_3
- Track 403 : Didgeridoo_4
- Track 404 : Cashington_3
- Track 405 : Lilo27_3
- Track 406 : ChiliPepper_3
- Track 407 : PondAmelia_5
- Track 408 : Dismas_3
- Track 409 : Gack_2
- Track 410 : CliffHanger_4
- Track 411 : Sachet_3, 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 412 : Belthelas_3, Concrete_3
- Track 413 : 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 414 : Hulk_3
- Track 415 : Wolfpack_3, MelBee03_3, Livingwater_3, Sippinontea_3, Kevanna_3, KayPaulus_3, Quaker_3, Douggie_3, Bodhi17_3
- Track 416 : McShie_3, Leafy_3, BrokMonster_3, BoomRoasted_3, MrGreen_3, JRok_3
- Track 417 : Naby_3, BonaeVitae_3
- Track 418 : MirimarMandM_3, PoRanda_3, Upsilon_3
- Track 419 : Biscayne_3
- Track 420 : Cayde6_3, Lola20_3, Baine_3, Yasuo_3
- Track 421 : ELee24_3
- Track 422 : Mauilvory_3
- Track 423 : Azizam_3, Oaklynn_3
- Track 424 : Loca_3
- Track 425 : KillerTomato_3
- Track 426 : Namsahir_3, Publix_3
- Track 427 : Anseraureola_3
- Track 428 : Efeko_4
- Track 429 : Madebyisha_3, OdetoJoy_3, Jerky_3, VitulaEligans_3
- Track 430 : Bri160_3

- Track 431 : Kaijohn_3
- Track 432 : Bradley2_3
- Track 433 : Picnic_3, Puddles3_3, Duggle_3
- Track 434 : Yami_3, Cazares_3
- Track 435 : Snuffles_4
- Track 436 : Hernandez44_3, Gabbspett_3
- Track 437 : Lederberg_2, Troy_2, SamW_2
- Track 438 : StAB_2
- Track 439 : Adelaide_2
- Track 440 : Dina_2
- Track 441 : Bran_2
- Track 442 : Stiles_2
- Track 443 : Flashwig_2
- Track 444 : CarefulCloud_2
- Track 445 : TailX7_2
- Track 446 : HorseRider_2
- Track 447 : Jalloh_2
- Track 448 : CyranoPS_2
- Track 449 : Spartan_2
- Track 450 : Gallop_2
- Track 451 : Doomslug_3
- Track 452 : LordVader_3
- Track 453 : Spikelee_3, Peridot_3, DosHalletts_3, Starceвич_3, Ramsey_3, Emmaloid_3, Totinger_3, Rialto_3, JalFarm20_3, Slim_3, Bobi_3, Tootsieroll_3, Alexphander_3, Stap_3
- Track 454 : Kingsley_3, Cerasum_3, Sarma624_3, Brookers_3, Enby_3, BigPhil_3, Lorde_3, Lucia_3, Velveteen_3, Coco12_3
- Track 455 : Hegedechwinu_3, Kimberlium_3, Brushbloom_3, Flathead_3, Plumbus_3, MulchExplorer_3
- Track 456 : DocMcStuffins_3, ChickenDinner_3, Misha28_3, TootsiePop_3, Piper2020_3, Aloeri_3
- Track 457 : Frankie_3, Squirty_3
- Track 458 : Beanstalk_3, DaWorst_3, RockyHorror_3, Madiba_3, Leozinho_3, BuzzLyseyear_3
- Track 459 : Beakin_3
- Track 460 : Mozy_3
- Track 461 : Job42_3
- Track 462 : Tchotchke_3
- Track 463 : UncleRicky_3, Drago_3
- Track 464 : OwlsT2W_3
- Track 465 : Juice456_3
- Track 466 : Cornucopia_3
- Track 467 : SimranZ1_3, Pollywog_3
- Track 468 : Ogopogo_4
- Track 469 : Oksu_3
- Track 470 : Seagreen_3
- Track 471 : DirtMcgirt_3
- Track 472 : Mova_3
- Track 473 : Quico_3, Girafales_3
- Track 474 : Marker_3
- Track 475 : Boomer_3, LittleShirley_3
- Track 476 : Awesomesauce_3
- Track 477 : Soul22_3

- Track 478 : Avani_3, Yoshi_3, SilverChicken_3
- Track 479 : Jabbawokkie_4, Zapner_4, Blarby_4
- Track 480 : Demsculpinboyz_3
- Track 481 : Che9d_3
- Track 482 : Shoya_2, Rooter_3
- Track 483 : Gibbzilla_2
- Track 484 : JeanClaude_2
- Track 485 : BrayBeast_2
- Track 486 : MargaretKali_3
- Track 487 : Alatato_2
- Track 488 : Kumotta_3
- Track 489 : Sarge_2
- Track 490 : Pigu_3
- Track 491 : Whytu_1
- Track 492 : Utopia_1
- Track 493 : LauKoruNamu_3, CabbageMan_2, Pauu_3
- Track 494 : Idaho_3
- Track 495 : CheeseDanish_4, Corgi_4, Nebulanyx_4
- Track 496 : KNG13_4
- Track 497 : Noely_2
- Track 498 : Berka_4
- Track 499 : BlueFeather_1
- Track 500 : Yavru_1
- Track 501 : WorldChangers_1
- Track 502 : Piku_1
- Track 503 : Donatella_5
- Track 504 : Nandita_6, Guinevere_6
- Track 505 : Schism_6
- Track 506 : Julie_6
- Track 507 : Yonex_6
- Track 508 : Halloweekend_4
- Track 509 : ToastyOats_7
- Track 510 : Popper_4
- Track 511 : Lenoxika_6
- Track 512 : Dirtdigger_5
- Track 513 : Cole_4
- Track 514 : AllBusiness_5
- Track 515 : Elesar_5
- Track 516 : Kihatsu_7
- Track 517 : Ryan_6
- Track 518 : QuinnAvery_6, BigSherm_6
- Track 519 : Gusanita_4
- Track 520 : IsHungry_6
- Track 521 : MillySue_6
- Track 522 : GoodLuckBabe_6
- Track 523 : Saintcarr_5
- Track 524 : Ichiang_4
- Track 525 : Zaheer_6
- Track 526 : Toodles_6
- Track 527 : Bauer_4, Zucker_3
- Track 528 : BlackSpider_2
- Track 529 : BellaJr_4
- Track 530 : Cassini_2

- Track 531 : Maja_2
- Track 532 : EvenBluerMoon_3, Hereford_4, PrairieDogTown_3, Aoka_3, Morrey_4
- Track 533 : CocoCinnamon_5
- Track 534 : JanetJ_3
- Track 535 : CallinAllBarbz_2
- Track 536 : BaileyBlu_2
- Track 537 : Jankie_2, GrimEater_2
- Track 538 : LisoBros_2
- Track 539 : Elfy_2
- Track 540 : Merpity_3
- Track 541 : MrSmee_2, Skitty_2
- Track 542 : Pitbull_2
- Track 543 : TripleC_7
- Track 544 : Audell_7
- Track 545 : Neuville_4, AnnabelleLee_4, ChamoyPickle_4, Gerri43_4, ChipsNGuac_4, CardboardBox_4, Roberts_4
- Track 546 : Mireles_4
- Track 547 : Makima_5
- Track 548 : Ezurina_3
- Track 549 : TMaxx_4
- Track 550 : LastNadiia_7
- Track 551 : Agamoto_6
- Track 552 : Studio_4
- Track 553 : Altostratus_2
- Track 554 : Khuang_2
- Track 555 : 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, 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, AzulaCat_2, Kasen3_2, GoldenAsh_2, ZoMa_2, CassieYates_2, Annihilator_2, Chance64_2
- Track 556 : Marmie_2, Remy19_2, Darionha_2, Schiebel_2, DMoney_2, TinaBug_2, CLED96_2, Mowgli_2, Ruriko_2, PinkYoshi_2, Sizemore_2, Frosty24_2, Rattrick_2, Camri_2, Wendigo_2, Zombie_2, Plagueis_2, Gideon_2
- Track 557 : Liefie_2
- Track 558 : Sweets_2, TomBrady_2, ShaboiShabazz_2, Maliketh_2
- Track 559 : DNAIII_002
- Track 560 : Grizzly_2
- Track 561 : Peeb_2
- Track 562 : Paito_2
- Track 563 : Terror_2, Taheera_2
- Track 564 : Pace1224_2, FlagStaff_2
- Track 565 : GodSpeed_2
- Track 566 : Cambiare_3
- Track 567 : Avocado_2
- Track 568 : Cloudyecho_2
- Track 569 : Pinnie_3
- Track 570 : MOOREtheMARYer_2
- Track 571 : Mercurio_3
- Track 572 : Lemuria_2
- Track 573 : Jolie2_2
- Track 574 : YangYin_2

- Track 575 : Stargaze_2
- Track 576 : Antsirabe_2
- Track 577 : BigBoyz_1
- Track 578 : MoRicky_2, Smilerella_2
- Track 579 : Stuck_2
- Track 580 : Sbash_2
- Track 581 : Che9c_2
- Track 582 : Rearden_7
- Track 583 : Squint_10, MiaZeal_10, Porcelain_10
- Track 584 : Shaboozey_6, BronnyJames_6
- Track 585 : Nekros_8
- Track 586 : Gonephishing_10
- Track 587 : Ariel_9
- Track 588 : Courthouse_10, Superphikiman_10
- Track 589 : Bobby_11
- Track 590 : Lucky2013_10
- Track 591 : Klein_10, Wanda_10
- Track 592 : Nibley_6
- Track 593 : KashFlow_4
- Track 594 : Hannaconda_7
- Track 595 : Root_4
- Track 596 : 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, BGlluviae_8, Inky_8, Rosmarinus_8, Spock_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, ShiaSurprise_8, Tiri_8, CrimD_8, CREW_8, Capricorn_8, Piatt_8, Adonis_8, Homura_8, CaseJules_8
- Track 597 : McMater_8, Shaobing_8, Niklas_8, Richo_8, Peanam_8, Dartin_8
- Track 598 : Pisa1_7, Bern_8, Pisa4_7, TaiwanKao_8
- Track 599 : Enkosi_4, SgtBeansprout_4, Nikao_4, Trice_4, Amelie_4, Teejan_4, Torres_4, Nutello_4, Mdavu_4, LilPharaoh_4, Binglebops_4
- Track 600 : Chris_7
- Track 601 : Geraldini_8, Beezoo_8
- Track 602 : TruffulaTree_8, Joy99_8, Slimphazie_8, Ramen_8, HedwigODU_8, JAWS_8, Rapunzel97_8, YoureAdopted_7, Adephagia_8, Zabiza_8, CallaLilly_8, BaghaKamala_8, Jayhawk_8, ActinUp_8, BarrelRoll_8
- Track 603 : DrHayes_8, Anma_8, SamuelLPlaqson_8, Urkel_8, TiniBug_8
- Track 604 : Mynx_8, Apocalypse_8
- Track 605 : Dole_8, Devera_8, Illumine_8
- Track 606 : Oscar_7, LeMond_7, Scarlett_7
- Track 607 : Murucutumbu_8
- Track 608 : LastHope_8
- Track 609 : Guanica15_8
- Track 610 : Deby_8, Sulley_8, Angelica_8
- Track 611 : Anaya_9
- Track 612 : MarkPhew_7
- Track 613 : Bella96_8, DartGoblin_8
- Track 614 : Nibb_7
- Track 615 : Chavito_8
- Track 616 : KiSi_7
- Track 617 : Efra2_8
- Track 618 : Curiosium_9

- Track 619 : Validus_8
- Track 620 : TingHuaYa_8
- Track 621 : LaterM_8, Ageofdapage_8, Stinson_8
- Track 622 : Yunkel11_8
- Track 623 : Milly_4
- Track 624 : BoostSeason_4
- Track 625 : TM4_4
- Track 626 : DismalStressor_4, DismalFunk_4, Marcoliusprime_4
- Track 627 : Findley_4
- Track 628 : Strobilo_4
- Track 629 : Doughnut_4, Mufasa_4
- Track 630 : ZoeJ_4
- Track 631 : Keshu_7, Hurricane_7
- Track 632 : TBond007_7
- Track 633 : Neighly_6
- Track 634 : Lea83_7, ShedlockHolmes_7
- Track 635 : Pixie_7
- Track 636 : TribbleTrouble_6
- Track 637 : Pharb_7
- Track 638 : MacnCheese_8
- Track 639 : SamScheppers_7, Qhanda_9
- Track 640 : MissDaisy_9, Patt_9, Reptar3000_9
- Track 641 : Mitti_9, Taquito_7, Chancellor_9, Cheetobro_9, Slarp_9
- Track 642 : Malthus_9, Wintermute_9, Kraw_9, Fionnbharth_9, JF1_9
- Track 643 : Y2_09, YasnayaPolyana_9, Y10_09
- Track 644 : Ruthiejr_8
- Track 645 : Lebo14_9
- Track 646 : DanSyl44_9, OmniCritical_9
- Track 647 : Juliette_9
- Track 648 : Eponine_9
- Track 649 : Bobquesha_9
- Track 650 : AlleyCat_6, Psycho_6, Dadosky_6
- Track 651 : Rando14_6
- Track 652 : Edugator_5
- Track 653 : Thyatira_6, Miryou_6, Collard_6, Feyre_6, DoubleChamp_6, BananenDer11_6
- Track 654 : LilDirt_5, Larva_6, ViviJ_5
- Track 655 : Agent47_6, InvictusManeo_6, Kratio_5
- Track 656 : Gengar_6, OkiRoe_6, Guillsminger_6, SoSeph_6, Heftyboy_6, Leston_6, Paola_6
- Track 657 : Waterfoul_6
- Track 658 : Omnicron_6
- Track 659 : Marshawn_9
- Track 660 : Amohnition_7, Hammy_7, DarthP_7
- Track 661 : Bryler_7, Cain_7, Phrank_7
- Track 662 : Syra333_7
- Track 663 : Ellie_5
- Track 664 : Tigress9_7
- Track 665 : Ekdilam_5
- Track 666 : Sunflower1121_6, Shadow1_6
- Track 667 : Ximenita_8
- Track 668 : Applecrisp_6
- Track 669 : Yuna_8

- Track 670 : TClif_7
- Track 671 : Krueger_7
- Track 672 : Tierra_7
- Track 673 : Lavahound_6, Fefferhead_7
- Track 674 : November_6
- Track 675 : Unicorn_7, PhelpsODU_7
- Track 676 : SirPhilip_7
- Track 677 : Amgine_6
- Track 678 : Aminay_6
- Track 679 : Boilgate_5
- Track 680 : LeBron_4
- Track 681 : OhShagHennessy_4
- Track 682 : Zaria_4, AvadaKedavra_4, Wamburggrxpress_4, Silverleaf_4, Wyatt2_4, Acquire49_4, Tyson_4, Rose5_4
- Track 683 : Appletree2_4, DirkDirk_4, Halena_4, MAckerman_4, Enceladus_4
- Track 684 : CicholasNage_4, JoeDirt_4, Calm_4, UPIE_4, Poochiewood_4
- Track 685 : 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 686 : DHan_4
- Track 687 : Rumpelstiltskin_4
- Track 688 : Vetrix_4, OverPar_4, Sarshaun_4, Loadrie_4, MkaliMitinis3_4, Finemlucis_4, Wigglewiggle_4, Nicholasp3_4, Underpass_4, Gardann_4, Kahlid_4, Soap141_4, Wilder_4, Hafay_4, Crossroads_4
- Track 689 : Bazzle_4
- Track 690 : ZhongYanYuan_3, Baoshan_3
- Track 691 : Lewan_4
- Track 692 : Archie_4
- Track 693 : Rossetti_4
- Track 694 : Tourach_4
- Track 695 : DanBing_3
- Track 696 : GuuelaD_4
- Track 697 : Zakai_4
- Track 698 : Claus_4
- Track 699 : MiniLon_5, Lolly9_5
- Track 700 : Red305_5, Jobypre_5, Jubie_5, MsGreen_5, Nicholas_5, TriFive_5, Kingsolomon_5, Snenia_5, Clautastrophe_5, Lumos_5
- Track 701 : Bellis_5, Moostard_5, Samty_5, Finnry_5
- Track 702 : LiyuLake_5
- Track 703 : KirDoubleO7_3
- Track 704 : Ellson_5
- Track 705 : MiniMac_5
- Track 706 : Krypton555_5
- Track 707 : BourbonZero_4
- Track 708 : DuncansLeg_5
- Track 709 : Whirlwind_6
- Track 710 : Quby_4, Douge_4
- Track 711 : Sheng711_4, BrainDrainer_4, Douzhi_4, PYPDinur_4
- Track 712 : Kropertea_4
- Track 713 : Chaser_4
- Track 714 : DyoEdafos_5
- Track 715 : FarmResident_4
- Track 716 : ChutneyChips_4

- Track 717 : Bromden_4
- Track 718 : RoseMarie_14
- Track 719 : Reindeer_12
- Track 720 : 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 721 : Bricole_14, KleverKiS_14, SlimJimmy_13, Skinny_15
- Track 722 : Aziz_18, GenevaB15_18
- Track 723 : MrMagoo_18, GardenSalsa_18
- Track 724 : Rey_18
- Track 725 : Estes_19
- Track 726 : Nanosmite_18
- Track 727 : 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 728 : Raymond7_2, Phrann_2, Impisi_2
- Track 729 : Panchino_2, SkinnyPete_2
- Track 730 : 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 731 : PhancyPhin_2, Jamie19_2, Nenae_2, Rebel_2, SpongeBob_2
- Track 732 : Butters_2
- Track 733 : BabeRuth_2
- Track 734 : Hanako_2, Spinach_2, Snekmaggedon_2, Redi_2, ShrimpFriedEgg_2, Purgamenstris_2
- Track 735 : MichelleMyBell_2
- Track 736 : Shweta_2
- Track 737 : Rubeelu_2
- Track 738 : Kevin1_2
- Track 739 : Bora_28, MadKillah_32, Firecracker_31
- Track 740 : Ashwin_32, Dylan_30
- Track 741 : Zebo_30, Blessica_31, Schuy_32, Murai_31, YungJamal_33, Vorrrps_30, Corndog_32, Catdawg_30, FoulBall_30
- Track 742 : Familton_31, SchoolBus_30, NiebruSaylor_30, Imara_29, TelAviv_28, JangDynasty_30, Mori_30, Ryadel_33, Smooch_33, Krili_30, KingPhillip3_28, Idergollasper_30, Vagabond_31, Winget_31
- Track 743 : Shida_31
- Track 744 : Wogge42_30, Alkhayr_31, YoyoKar_29, Wildflower_31
- Track 745 : Zakhe101_31
- Track 746 : Pygmy_2, Shipwreck_2, Bogie_2
- Track 747 : KilKor_2, Phalm_2, Megiddo_2, StevieRay_2, Ksquared_2, StressBall_2, CactusJack_2, Polkaroo_2, Gavriela_2, Bunnies_2, Glaske_2
- Track 748 : Langerak_2
- Track 749 : Mangethe_2, Majeke_2, Arib1_2, Phegasus_2
- Track 750 : Sonah_2, Donovan_2, Juniormint_2
- Track 751 : Brusacoram_2, Atcoo_2, Thespis_2
- Track 752 : Willsammy_2
- Track 753 : 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 754 : BronnyJr_2, Techage_2, GaloreK_2, HUHilltop_2
- Track 755 : Jebeks_2
- Track 756 : Bhagsy_2, PeanutPie_2
- Track 757 : Jung_2

- Track 758 : Tortellini_2
- Track 759 : Xavia_2
- Track 760 : BigNuz_2, Nazo_2
- Track 761 : ThulaThula_2
- Track 762 : Phayonce_2
- Track 763 : Purky_2
- Track 764 : 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 765 : Evanesce_5, Luke_5, Hadrien_5
- Track 766 : NovoPizza_3
- Track 767 : Penoan_4
- Track 768 : MaryV_26, EniyanLRS_23, Wildcat_26, Azrael100_25
- Track 769 : Cosmo_26
- Track 770 : Hilltopfarm_9
- Track 771 : Typha_9, Faiyaz_9, AuntGwenStacy_9
- Track 772 : Bipper_9
- Track 773 : Cracklewink_9
- Track 774 : Rem711_3
- Track 775 : 32HC_3
- Track 776 : Min1_37
- Track 777 : RRH1_02
- Track 778 : Sparto1_2
- Track 779 : MooMoo_2
- Track 780 : BFK20_ORF2
- Track 781 : PensacolaC28_1
- Track 782 : Eyre_2
- Track 783 : Finkle_2
- Track 784 : Whack_2
- Track 785 : Sleepyhead_2
- Track 786 : Barebow_2
- Track 787 : REQ2_02
- Track 788 : P3MA_3
- Track 789 : Kumao_13
- Track 790 : Mbo4_2
- Track 791 : Bobburn_2
- Track 792 : Ball_2
- Track 793 : ArV2_02
- Track 794 : LilSpotty_2
- Track 795 : 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 167, it was called in 168 of the 1397 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, Binglebops_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, SamuelLPaqson_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, 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_6, BinkBonk_3, Bintii_3, Bipper_9, Biscayne_3, Bjaness7_2, BlackSpider_2, Blair_4, Blarby_4, Blessica_31, BlingBling_2, Blino_2, BloominB_5, BlueFeather_1, Blueberry_2, Bobburn_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, CanFranMach_3, 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, Chipko_2, ChipsNGuac_4, Cholula_5, Chop_6, Chridison_2, Christian_2, Chubbello_2, ChutneyChips_4, 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_6, Cygnet_3, Cynthia_2, CyranoPS_2, DHan_4, DMoney_2, DNAIII_002, DaWorst_3, Dadosky_6, Daegal_6, DaftyDuck_3, Daiboju_2, Damocles_4, DanBing_3, DanHam62_2, Danimal_3, Danno_3, Daob_4, Dardanus_9, Darionha_2, DearBasketball_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, DinoNuggs_3, 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, Duggie_3, Douzhi_4, DrParker_2, DrRobert_2, DrSeegs_4, Drago_3, DreamTeam_2, Duggle_3, Dulcita_15, DumpsterDude_2, DuncansLeg_5, Duplicity_2, Dylan_30, Dynamo_2, DyoEdafos_5, E1_3, E6_3, ECartman_2, EGUicorn_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, Euratis_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, Frickyyeah_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, GramZayde_3, GrandSlam_6, Gravaillia_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, Heather_2, Hedwig_2, Heftyboy_6, Hegedechwinu_3, Heinz_2, Herb_2, Hereford_4, 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, InLimbo_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, Jecs_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, Kalizoi_5, Kamaru_3, Kamdara_3, KappaFarmDelta_2, Kareem_2, Kari_2, Kasen3_2, KashFlow_4, Kate33_3, Katzastrophic_3, KayPaulus_3, Keelan_32, 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, Kudefre_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, Lilbooboo_2, LilhomieP_13, Lilo27_3, LimaBean_3, Link_4, LionelHutz_3, LisoBros_2, 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, Morrey_4, 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, NaLuna_2, 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, Nicholasp3_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, Paito_2, Panchino_2, PantheRoc_2, PaoPu_3, Paola_6, Parada_6, ParmesanJohn_2, PartyCup_5, PastaFagioli_3, PatriciaStar_2, 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, RemusLoopin_2, 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, Rizz_4, 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, Saintcarr_5, SallySpecial_2, SamW_2, Samba_2, Samman98_3, Samora_2, Samty_5, SanaSana_4, Sandman_4, SansAfet_3, SantosSleigh_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, Sebastisaurus_2, Sekhmet_3, Sephiroth_13, Sergei_2, SerialPhiller_2, Seume_4, ShaboiShabazz_2, Shaboozey_6, Shagrat_8, Sharkboy_3, ShawBrad_3, Shawty_2, 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, Soilmate_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, TG1_2, 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, Thespi_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_3, 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, Vash_2, Velveteen_3, Vendetta_7, Venti_2, Vetrix_4, Vidya_2, Vinye_4, Vitas_2, VitulaEligans_3, ViviJ_5, Volt_36, Vorrrps_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, Wigglewiggle_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, Yinzer_2, Yonex_6, Yoshi_3, YoyoKar_29, Yubaba_3, YungJamal_33, ZAYM_2, Zaheer_6, Zahli_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, phiBT1_33,

Summary by start number:

Start 21:

- Found in 4 of 1610 (0.2%) of genes in pham
- Manual Annotations of this start: 4 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Archimedes_1 (DA), Frizzle_1 (DA), Ghobes_1 (DA), Sapo_1 (DA),

Start 39:

- Found in 1 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JustASigh_2 (AH),

Start 41:

- Found in 1 of 1610 (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: Weirdo19_2 (AH),

Start 42:

- Found in 3 of 1610 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 33.3% of time when present
- Phage (with cluster) where this start called: EmiRose_2 (singleton),

Start 50:

- Found in 1 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avocado_2 (G2),

Start 51:

- Found in 56 of 1610 (3.5%) of genes in pham
- Manual Annotations of this start: 50 of 1397
- Called 100.0% 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 52:

- Found in 12 of 1610 (0.7%) of genes in pham
- Manual Annotations of this start: 3 of 1397
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Banquo_11 (CU1), Dardanus_9 (CU3), Gsput1_5 (CU2), TinaLin_10 (CU1),

Start 57:

- Found in 10 of 1610 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 30.0% of time when present

- Phage (with cluster) where this start called: Eyoseyas_2 (AN), FirePit_2 (AN), Ximeno_2 (AN),

Start 59:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Idaho_3 (FE),

Start 61:

- Found in 17 of 1610 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Root_4 (JC),

Start 65:

- Found in 1 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Schmidt_5 (CU4),

Start 68:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Catfish_6 (CU5),

Start 69:

- Found in 24 of 1610 (1.5%) of genes in pham
- Manual Annotations of this start: 20 of 1397
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Amochick_5 (Q), Amymech_5 (Q), BloominB_5 (Q), Daegal_6 (Q), DeepSoil15_5 (Q), Dewey_5 (Q), Ein37_5 (Q), Forge_5 (Q), Gancho_4 (Q), Giles_5 (Q), Gravallia_5 (Q), HH92_5 (Q), Hail_5 (Q), Kinbote_5 (Q), LilHazelNut_5 (Q), Luna22_5 (Q), NovoPizza_3 (Q), OBUpride_5 (Q), Ubuntu_5 (Q), Webster2_5 (Q), Wishmaker_5 (Q),

Start 74:

- Found in 106 of 1610 (6.6%) of genes in pham
- Manual Annotations of this start: 76 of 1397
- Called 92.5% of time when present
- Phage (with cluster) where this start called: Acquire49_4 (L1), Appletree2_4 (L1), Archie_4 (L2), AvadaKedavra_4 (L1), Baoshan_3 (L2), Bazzle_4 (L2), Bellis_5 (L3), BigCheese_4 (L2), BobsGarage_4 (L2), BourbonZero_4 (L3), BrainDrainer_4 (L4), Breezona_4 (L2), Bromden_4 (L4), CabbageMan_2 (FE), Chaser_4 (L4), CheeseDanish_4 (FE), ChutneyChips_4 (L4), Claus_4 (L2), Clautastrophe_5 (L3), Corgi_4 (FE), Crossroads_4 (L2), DHan_4 (L2), DirkDirk_4 (L1), Douge_4 (L4), Douzhi_4 (L4), DrSeegs_4 (L2), DuncansLeg_5 (L3), DyoEdafos_5 (L4), Ellson_5 (L3), Enceladus_4 (L1), Faith1_4 (L2), FarmResident_4 (L4), Finemlucis_4 (L2), Finnry_5 (L3), Gabriela_4 (L2), Gardann_4 (L2), GuuelaD_4 (L2), Hafay_4 (L2), Halena_4 (L1), Itos_4 (L2), Jobypre_5 (L3), Jubie_5 (L3), KING13_4 (FE), Kahlid_4 (L2), Kingsolomon_5 (L3), KirDoubleO7_3 (L3), Kropertea_4 (L4), Krypton555_5 (L3), LauKoruNamu_3 (FE), Lewan_4 (L2), LilDestine_4 (L2), LiyuLake_5 (L3), Loadrie_4

(L2), Lolly9_5 (L3), Lumos_5 (L3), Lynnae_4 (L2), MAckerman_4 (L1), Miley16_4 (L2), MiniLon_5 (L3), MiniMac_5 (L3), MkalMitinis3_4 (L2), Moostard_5 (L3), MsGreen_5 (L3), Nebulanyx_4 (FE), Netyap_4 (L2), Nicholas_5 (L3), Nicholasp3_4 (L2), Noely_2 (FE), OverPar_4 (L2), PYPDinur_4 (L4), Pauu_3 (FE), Quby_4 (L4), Red305_5 (L3), Rose5_4 (L1), Rossetti_4 (L2), Rumpelstiltskin_4 (L2), Samty_5 (L3), Sarshaun_4 (L2), Sheng711_4 (L4), Silverleaf_4 (L1), Snenia_5 (L3), SoJulia_4 (L2), Soap141_4 (L2), Tourach_4 (L2), TriFive_5 (L3), Tyson_4 (L1), Underpass_4 (L2), Vetrix_4 (L2), Wamburggrxpress_4 (L1), Whirlwind_6 (L3), Wigglewiggles_4 (L2), Wilder_4 (L2), Winky_4 (L2), WorldChangers_1 (FE), Wyatt2_4 (L1), Zakai_4 (L2), Zaria_4 (L1), ZhongYanYuan_3 (L2),

Start 75:

- Found in 6 of 1610 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_9 (Y), Bipper_9 (Y), Cracklewink_9 (Y), Faiyaz_9 (Y), Hilltopfarm_9 (Y), Typha_9 (Y),

Start 76:

- Found in 34 of 1610 (2.1%) of genes in pham
- Manual Annotations of this start: 17 of 1397
- Called 61.8% of time when present
- Phage (with cluster) where this start called: Alkhayr_31 (O), Ashwin_32 (O), Dylan_30 (O), Familton_31 (O), Idergollasper_30 (O), Imara_29 (O), JangDynasty_30 (O), KingPhillip3_28 (O), Krili_30 (O), Mori_30 (O), NiebruSaylor_30 (O), Ryadel_33 (O), SchoolBus_30 (O), Shida_31 (O), Smooch_33 (O), TelAviv_28 (O), Vagabond_31 (O), Wildflower_31 (O), Winget_31 (O), Wogge42_30 (O), YoyoKar_29 (O),

Start 77:

- Found in 88 of 1610 (5.5%) of genes in pham
- Manual Annotations of this start: 24 of 1397
- Called 34.1% 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), Ruriko_2 (G1), Schiebel_2 (G1), Sizemore_2 (G1), Stargaze_2 (G5), TinaBug_2 (G1), Wendigo_2 (G1), YangYin_2 (G5), Zombie_2 (G1),

Start 78:

- Found in 131 of 1610 (8.1%) of genes in pham
- Manual Annotations of this start: 19 of 1397
- Called 16.0% of time when present
- Phage (with cluster) where this start called: Blessica_31 (O), Bora_28 (O), Calm_4 (L1), Catdawg_30 (O), CicholasNage_4 (L1), Corndog_32 (O), DanBing_3 (L2), Firecracker_31 (O), FoulBall_30 (O), JoeDirt_4 (L1), LeBron_4 (L1), MadKillah_32 (O), Murai_31 (O), OhShagHennessy_4 (L1), Poochiewood_4 (L1), Schuy_32 (O), UPIE_4 (L1), Vorrrps_30 (O), YungJamal_33 (O), Zakhe101_31 (O), Zebo_30 (O),

Start 79:

- Found in 123 of 1610 (7.6%) of genes in pham
- Manual Annotations of this start: 76 of 1397
- Called 61.8% of time when present
- Phage (with cluster) where this start called: Albanese_5 (AK), Aledel_2 (AK), AppleCider_5 (AK), Beethoven_5 (AK), Bennie_2 (AK), BigMack_2 (AK), Bodacious_2 (AK), CallieOMalley_5 (AK), Canowicakte_5 (AK), Carpal_5 (AK), ChewChew_2 (AK), Cholula_5 (AK), Chridison_2 (AK), Christian_2 (AK), CristinaYang_2 (AK), Daiboku_2 (AK), Dino_5 (AK), DrRobert_2 (AK), DreamTeam_2 (AK), EstebanJulior_2 (AK), Eunoia_2 (AK), Fluke_5 (AK), Gisselle_2 (AK), Glenn_5 (AK), GreenHearts_5 (AK), Greenhouse_5 (AK), HeadNerd_2 (AK), Herb_2 (AK), Huckleberry_2 (AK), HunterDalle_2 (AK), Huntingdon_5 (AK), Immaculata_5 (AK), Joann_5 (AK), KingBob_2 (AK), Kittykat_2 (AK), Korra_5 (AK), Lasagna_2 (AK), Lennox_2 (AK), LilStuart_2 (AK), Litotes_5 (AK), Lucy_2 (AK), Makoto_2 (AK), MamaPearl_2 (AK), Maria1952_2 (AK), MeganNoll_5 (AK), Moki_2 (AK), MrGloopy_5 (AK), Nancia_2 (AK), Nubia_5 (AK), OMalley_2 (AK), OurGirlNessie_2 (AK), Oxyfnrius_5 (AK), PartyCup_5 (AK), PitaDog_2 (AK), Potatoes_5 (AK), Preamble_2 (AK), Pterodactyl_2 (AK), Pumancara_2 (AK), RAP15_5 (AK), RcigaStruga_5 (AK), Rivovina_2 (AK), Riverdale_5 (AK), Rozby_5 (AK), Savage2526_5 (AK), Sergei_2 (AK), Supakev_2 (AK), Suppi_5 (AK), TattModd_5 (AK), Temper16_2 (AK), Uria_2 (AK), Vallejo_5 (AK), Vulture_2 (AK), Wawa_5 (AK), Wayne_5 (AK), WonderBoy_2 (AK), Zorro_5 (AK),

Start 81:

- Found in 4 of 1610 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: 32HC_3 (Z), Rem711_3 (Z),

Start 82:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Finkle_2 (singleton),

Start 84:

- Found in 16 of 1610 (1.0%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 37.5% 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 85:

- Found in 69 of 1610 (4.3%) of genes in pham
- Manual Annotations of this start: 13 of 1397
- Called 18.8% 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), LilSpotty_2 (singleton), LittleTokyo_3 (AS2), Lunar_4 (AS2), Melons_4 (AS2), Polka_3 (AS2), Zhuangyuan_4 (AS2),

Start 86:

- Found in 1 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Berka_4 (FE),

Start 93:

- Found in 38 of 1610 (2.4%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 18.4% of time when present
- Phage (with cluster) where this start called: Jecs_2 (DB), MagicMan_2 (DB), Opie_2 (DB), Schnabeltier_2 (DB), SerialPhiller_2 (AN), TaronosaurusRx_2 (DB), ZAYM_2 (DB),

Start 95:

- Found in 7 of 1610 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 100.0% 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), Whack_2 (singleton),

Start 97:

- Found in 25 of 1610 (1.6%) of genes in pham
- Manual Annotations of this start: 3 of 1397
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Evanesce_5 (Q), Hadrien_5 (Q), Luke_5 (Q),

Start 98:

- Found in 66 of 1610 (4.1%) of genes in pham
- Manual Annotations of this start: 36 of 1397
- Called 71.2% 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), Auspice_14 (M1), Azaz_2 (AS3), Aziz_18 (M2), Babushka_2 (AS3), Bongo_14 (M1), Bricole_14 (M1), Camara_2 (AS3), DanHam62_2 (AS3), Diminimus_15 (M1), Dulcita_15 (M1), Estes_19 (M2), Fingolfin_2 (AS3), FreakyGoo_15 (M1), GardenSalsa_18 (M2), GenevaB15_18 (M2), Glaske16_15 (M1), Glotell_2 (AS3), Halloweekend_4 (FF), IPhane7_14 (M1), Izel_15 (M1), Juno112_2 (AS3), KHumphrey_2 (AS3), KleverKiS_14 (M1), Laphuphu24k_2 (AS3), Leona_2 (AS3), LilhomieP_13 (M1), MrMagoo_18 (M2), Nanosmite_18 (M3), Oppalora_2 (AS3), PegLeg_14 (M1), PhluffyCoco_2 (AS3), Rattail_2 (AS3), RedFox_2 (AS3), Reindeer_12 (M1), Renna12_3 (AS3), RoseMarie_14 (M1), Skinny_15 (M1), SlimJimmy_13 (M1), StuartMinion_2 (AS3), TpudiCK_15 (M1), TyDawg_14 (M1), Yonex_6 (FF),

Start 99:

- Found in 15 of 1610 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 1397
- Called 26.7% of time when present
- Phage (with cluster) where this start called: Arielagos_2 (AN), Kels_2 (AN), Rey_18 (M2), StrawberryLem_2 (AN),

Start 102:

- Found in 78 of 1610 (4.8%) of genes in pham
- Manual Annotations of this start: 55 of 1397

- Called 75.6% 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), Rizz_4 (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_3 (CZ4), Twinkle_2 (CZ4), Vasanti_2 (CZ2), Whiteclaw_2 (CZ2), WinkNick_3 (CZ4), Yeet412_2 (CZ2), Yeezy_2 (CZ3), Yinzer_2 (CZ2),

Start 104:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atraxa_3 (AX), Sputnik_3 (AX),

Start 105:

- Found in 3 of 1610 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Altostratus_2 (FS), Khuang_2 (FS),

Start 108:

- Found in 167 of 1610 (10.4%) of genes in pham
- Manual Annotations of this start: 144 of 1397
- Called 88.6% 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), Binti_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), Duggie_3 (EE), Duggle_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), Puddles_3 (EE), PuffyCat_3 (EE), Quaker_3 (EE), Rhogar_3 (EE), Rhysand_3 (EE), Rira_3 (EE), RoscoWindex_3 (EE), Sachet_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 109:

- Found in 1 of 1610 (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: Penoan_4 (UNK),

Start 110:

- Found in 48 of 1610 (3.0%) of genes in pham
- Manual Annotations of this start: 45 of 1397
- Called 97.9% of time when present
- Phage (with cluster) where this start called: Aoka_3 (FO), Arby_4 (AN), Azathoth_4 (AN), Blair_4 (AN), BlueFeather_1 (FE), CGermain_4 (AN), Chestnut_4 (AN), Copper_4 (AN), Courtney3_4 (AN), Decurro_4 (AN), Dewayne_4 (AN), ElectricPheel_5 (AN), Elkhorn_4 (AN), EvenBluerMoon_3 (FO), Guntur_4 (AN), Hereford_4 (FO), Hunnie_4 (AN), Inspire2_4 (AN), JanetJ_3 (FO), Jessica_5 (AN), KylieMac_5 (AN), Laila_5 (AN), Link_4 (AN), Lore_4 (AN), LouisXIV_4 (AN), Maggie_4 (AN), Maja_2 (FO), Mariposa_4 (AN), Massimo_4 (AN), Moloch_4 (AN), Morrey_4 (FO), Muttlie_4 (AN), PrairieDogTown_3 (FO), Prospero_4 (AN), Ronnie_4 (AN), Sandman_4 (AN), Saphira_4 (AN), Seume_4 (AN), Sourignavong_5 (AN), StewieGriff_4 (AN), Stratus_4 (AN), Swenson_4 (AN), Taj14_4 (AN), TinoCrisci_4 (AN), Toulouse_3 (AN), TymAbreu_4 (AN), Yank_4 (AN),

Start 111:

- Found in 16 of 1610 (1.0%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 43.8% of time when present
- Phage (with cluster) where this start called: BackstagePass_2 (DB), DinoDaryn_9 (CU1), Goib_8 (CU1), Huffy_9 (CU1), Splinter_7 (CU1), TZGordon_9 (CU1), Vendetta_7 (CU1),

Start 112:

- Found in 1 of 1610 (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: LisoBros_2 (FP),

Start 113:

- Found in 18 of 1610 (1.1%) of genes in pham
- Manual Annotations of this start: 11 of 1397
- Called 83.3% of time when present

- Phage (with cluster) where this start called: CocoCinnamon_5 (FO), DearBasketball_2 (DY), DinoNuggs_3 (DY), DonkeyMan_2 (DY), Heinz_2 (DY), Hibiscus_2 (DY), Jojo24_2 (DY), Reyja_3 (DY), Santhid_2 (DY), Tarzan_2 (DY), Utopia_1 (FE), Vinye_4 (AN), Whytu_1 (FE), Yavru_1 (FE), phiBT1_33 (BB1),

Start 114:

- Found in 146 of 1610 (9.1%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Cazares_3 (EE), Mauilvory_3 (EE), Yami_3 (EE),

Start 115:

- Found in 5 of 1610 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- 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 116:

- Found in 26 of 1610 (1.6%) of genes in pham
- Manual Annotations of this start: 19 of 1397
- Called 92.3% of time when present
- Phage (with cluster) where this start called: AllBusiness_5 (FF), BigSherm_6 (FF), Cole_4 (FF), Dirdigger_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), Saintcarr_5 (FF), Schism_6 (FF), ToastyOats_7 (FF), Toodles_6 (FF), Zaheer_6 (FF),

Start 117:

- Found in 26 of 1610 (1.6%) of genes in pham
- Manual Annotations of this start: 7 of 1397
- Called 30.8% of time when present
- Phage (with cluster) where this start called: Applejacks_2 (CD), Gustav_2 (CD), Mahdia_2 (CD), Morrissey_2 (CD), Puppies_2 (CD), Trine_2 (CD), Upyo_2 (CD), Widow_2 (CD),

Start 120:

- Found in 24 of 1610 (1.5%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 16.7% of time when present
- Phage (with cluster) where this start called: CheeseSpider_2 (CV), InLimbo_2 (DH), JuJu_2 (CV), Lucky10_2 (DH),

Start 122:

- Found in 33 of 1610 (2.0%) of genes in pham
- Manual Annotations of this start: 3 of 1397
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Euratis_2 (BB1), Shawty_2 (BB1), TG1_2 (BB1),

Start 125:

- Found in 25 of 1610 (1.6%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 24.0% of time when present
- Phage (with cluster) where this start called: Adelaide_2 (EP), Bran_2 (EP), Dina_2 (EP), Dismas_3 (EB), Kieran_3 (EB), Stiles_2 (EP),

Start 127:

- Found in 3 of 1610 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BFK20_ORF2 (singleton), Gallop_2 (ES), Spartan_2 (ES),

Start 128:

- Found in 55 of 1610 (3.4%) of genes in pham
- Manual Annotations of this start: 39 of 1397
- Called 74.5% 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), Lederberg_2 (EP), 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), SamW_2 (EP), Samba_2 (CV), Soilmate_2 (CV), StAB_2 (EP), Troy_2 (EP), 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 130:

- Found in 6 of 1610 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1397
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Heather_2 (BB2), RemusLoopin_2 (BB2), Samora_2 (BB1), Sebastisaurus_2 (BB2),

Start 131:

- Found in 39 of 1610 (2.4%) of genes in pham
- Manual Annotations of this start: 13 of 1397
- Called 43.6% of time when present
- Phage (with cluster) where this start called: BBQValindra_2 (DB), Bowser_2 (DB), Bunker_2 (DB), Chipko_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), NaLuna_2 (DB), PatriciaStar_2 (DB), RayTheFireFly_2 (DB),

Start 133:

- Found in 5 of 1610 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 100.0% 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 134:

- Found in 3 of 1610 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Lilbooboo_2 (BB1), Vash_2 (BB1),

Start 136:

- Found in 12 of 1610 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 91.7% of time when present
- Phage (with cluster) where this start called: AnnabelLee_4 (FR), CardboardBox_4 (FR), ChamoyPickle_4 (FR), ChipsNGuac_4 (FR), Ezurina_3 (FR), Gerri43_4 (FR), Makima_5 (FR), Mireles_4 (FR), Neuville_4 (FR), Roberts_4 (FR), Studio_4 (FR),

Start 137:

- Found in 101 of 1610 (6.3%) of genes in pham
- Manual Annotations of this start: 81 of 1397
- Called 89.1% 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), CanFranMach_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), SirBeannington_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 138:

- Found in 9 of 1610 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Sleepyhead_2 (singleton),

Start 140:

- Found in 2 of 1610 (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 2 of 1610 (0.1%) of genes in pham

- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mbo4_2 (singleton),

Start 143:

- Found in 2 of 1610 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Elfy_2 (FP),

Start 144:

- Found in 3 of 1610 (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: Min1_37 (singleton),

Start 145:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BigBoyz_1 (GH),

Start 147:

- Found in 5 of 1610 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fairfaxidum_2 (CV), PCoral7_2 (CV), PrincePatrick_2 (CV), Toast_2 (CV), William_2 (CV),

Start 148:

- Found in 13 of 1610 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 46.2% of time when present
- Phage (with cluster) where this start called: CurlyFries_6 (CF), Madraxi_10 (CF), MoRicky_2 (GH), RegnumDei_6 (CF), Shagrat_8 (CF), Smilerella_2 (GH),

Start 151:

- Found in 10 of 1610 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 70.0% of time when present
- Phage (with cluster) where this start called: ArchiDore_2 (DW), DumpsterDude_2 (DW), MakCheese_2 (DW), Malibo_2 (DW), Ruthy_2 (DW), Sprinklemunch_2 (DW), Zodiariah_2 (DW),

Start 152:

- Found in 24 of 1610 (1.5%) of genes in pham
- Manual Annotations of this start: 16 of 1397
- Called 87.5% 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 153:

- Found in 61 of 1610 (3.8%) of genes in pham
- Manual Annotations of this start: 41 of 1397
- Called 90.2% 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), Jflīx2_8 (CF), 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), REQ1_66 (CF), Rileysaurus_2 (BU), SFuller_9 (CF), SKKY_2 (BU), Solid_2 (BU), Stormborn_2 (BU), Supernova_2 (BU), Wizzo_2 (BU),

Start 154:

- Found in 125 of 1610 (7.8%) of genes in pham
- Manual Annotations of this start: 85 of 1397
- Called 74.4% 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), DocMcStuffins_3 (F1), DosHalletts_3 (F1), Ecliptus_3 (DN), Emmaloid_3 (F1), Enby_3 (F1), Flathead_3 (F1), Frankie_3 (F1), Frickyeh_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), Lucia_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), Peridot_3 (F1), Periwinkle_3 (DN1), Phabuloso_3 (DN1), Phistory_3 (DN1), Piper2020_3 (F1), Plumbus_3 (F1), Pollywog_3 (F1), 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), Starcevic_3 (F1), Tchotchke_3 (F1), TootsiePop_3 (F1), Tootsieroll_3 (F1), Totinger_3 (F1), Velveteen_3 (F1), Whitney_3 (DN1), Yoshi_3 (F2), Zapner_4 (F2),

Start 155:

- Found in 16 of 1610 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 1397
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Kudrefre_12 (DU1), 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 156:

- Found in 154 of 1610 (9.6%) of genes in pham
- Manual Annotations of this start: 11 of 1397
- Called 8.4% 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 157:

- Found in 52 of 1610 (3.2%) of genes in pham
- Manual Annotations of this start: 25 of 1397
- 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 158:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Adaia_3 (AX),

Start 160:

- Found in 58 of 1610 (3.6%) of genes in pham
- Manual Annotations of this start: 23 of 1397
- Called 46.6% of time when present
- Phage (with cluster) where this start called: Bauer_4 (FN), BellaJr_4 (FN), BlackSpider_2 (FN), Butters_2 (N), Carcharodon_2 (N), Cassini_2 (FN), Charlie_2 (N), Duplicity_2 (N), Gex_2 (N), Hanako_2 (N), Journey_2 (N), Magsby_2 (N), Melville_2 (N), MichelleMyBell_2 (N), PhLoss_2 (N), Purgamenstris_2 (N), Redi_2 (N), Scitech_2 (N), ShrimpFriedEgg_2 (N), Shweta_2 (N), Silvy_2 (N), Smurph_2 (N), Snekmaggedon_2 (N), Spinach_2 (N), Tapioca_2 (N), Tessdabest_1 (N), Zucker_3 (FN),

Start 161:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Eyre_2 (singleton),

Start 162:

- Found in 22 of 1610 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Kuleana_3 (AS2),

Start 163:

- Found in 73 of 1610 (4.5%) of genes in pham
- Manual Annotations of this start: 17 of 1397
- Called 31.5% 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), KashFlow_4 (J), Klein_10 (J), 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), Porcelain_10 (J), Rearden_7 (J), Shaboozey_6 (J), Squint_10 (J), Superphikiman_10 (J), Wanda_10 (J),

Start 166:

- Found in 2 of 1610 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Che9c_2 (I2),

Start 167:

- Found in 194 of 1610 (12.0%) of genes in pham
- Manual Annotations of this start: 168 of 1397
- Called 92.3% 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), Boiii_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), TruffleTree_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 169:

- Found in 12 of 1610 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 58.3% of time when present
- Phage (with cluster) where this start called: Emperor_2 (DM), GMA5_2 (CW2), GRU3_2 (CW2), Jeanie_2 (CW1), McGonagall_2 (CW1), Rahul_2 (CW2), SallySpecial_2 (DM),

Start 170:

- Found in 5 of 1610 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 40.0% of time when present
- Phage (with cluster) where this start called: ArV2_02 (singleton), Spartoi_2 (singleton),

Start 173:

- Found in 6 of 1610 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1397
- Called 83.3% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_2 (AJ), Kumotta_3 (FB), P3MA_3 (singleton), Rooter_3 (FB), Shoya_2 (FB),

Start 175:

- Found in 27 of 1610 (1.7%) of genes in pham
- Manual Annotations of this start: 25 of 1397
- Called 96.3% of time when present
- Phage (with cluster) where this start called: Agent47_6 (K5), AlleyCat_6 (K5), BananenDer11_6 (K5), 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 177:

- Found in 50 of 1610 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 2.0% of time when present
- Phage (with cluster) where this start called: BabeRuth_2 (N),

Start 178:

- Found in 76 of 1610 (4.7%) of genes in pham
- Manual Annotations of this start: 43 of 1397
- Called 65.8% 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), 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), Sneeze_2 (G1), Taheera_2 (G1), Terror_2 (G1), ZoMa_2 (G1),

Start 179:

- Found in 73 of 1610 (4.5%) of genes in pham
- Manual Annotations of this start: 5 of 1397
- Called 6.8% of time when present
- Phage (with cluster) where this start called: Maliketh_2 (G1), PensacolaC28_1 (singleton), ShaboiShabazz_2 (G1), Sweets_2 (G1), TomBrady_2 (G1),

Start 182:

- Found in 2 of 1610 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bobburn_2 (singleton),

Start 188:

- Found in 9 of 1610 (0.6%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 66.7% 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 189:

- Found in 8 of 1610 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Faith5x5_2 (CZ6),

Start 195:

- Found in 9 of 1610 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Piku_1 (FE),

Start 196:

- Found in 76 of 1610 (4.7%) of genes in pham
- Manual Annotations of this start: 6 of 1397
- Called 9.2% 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 197:

- Found in 80 of 1610 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 1.2% of time when present

- Phage (with cluster) where this start called: Lton_2 (CZ),

Start 199:

- Found in 55 of 1610 (3.4%) of genes in pham
- No Manual Annotations of this start.
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Ball_2 (singleton),

Start 204:

- Found in 128 of 1610 (8.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.8% of time when present
- Phage (with cluster) where this start called: Neighly_6 (K3),

Start 208:

- Found in 44 of 1610 (2.7%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Coeur_2 (CW2), Schiebs_2 (CW3),

Start 211:

- Found in 30 of 1610 (1.9%) of genes in pham
- Manual Annotations of this start: 2 of 1397
- Called 6.7% of time when present
- Phage (with cluster) where this start called: AustinPowers_2 (AK), PinkFriday_2 (AK),

Start 212:

- Found in 150 of 1610 (9.3%) of genes in pham
- Manual Annotations of this start: 10 of 1397
- Called 11.3% 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), Damocles_4 (AS2), Daob_4 (AS2), Dirtfootball_2 (DM), GramZayde_3 (AS2), 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 215:

- Found in 225 of 1610 (14.0%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Paito_2 (G1), WST1_2 (AJ),

Start 217:

- Found in 130 of 1610 (8.1%) of genes in pham
- No Manual Annotations of this start.
- Called 1.5% of time when present
- Phage (with cluster) where this start called: Graynor_5 (AK), MrBoss_5 (AK),

Start 221:

- Found in 88 of 1610 (5.5%) of genes in pham
- Manual Annotations of this start: 1 of 1397
- Called 2.3% of time when present

- Phage (with cluster) where this start called: EpicDab_2 (DM), RRH1_02 (singleton),

Start 227:

- Found in 13 of 1610 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Raqqa_3 (AY),

Start 229:

- Found in 319 of 1610 (19.8%) of genes in pham
- Manual Annotations of this start: 18 of 1397
- Called 6.9% 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), 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 233:

- Found in 188 of 1610 (11.7%) 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 178 of 1610 (11.1%) of genes in pham
- Manual Annotations of this start: 4 of 1397
- Called 2.2% of time when present
- Phage (with cluster) where this start called: BrotherBLo_5 (AK), Jumboset_5 (AK), Kalizoi_5 (AK), Scuttle_5 (AK),

Start 236:

- Found in 286 of 1610 (17.8%) of genes in pham
- Manual Annotations of this start: 15 of 1397
- Called 5.2% 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 323:

- Found in 154 of 1610 (9.6%) of genes in pham
- No Manual Annotations of this start.
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Pigu_3 (FB),

Start 333:

- Found in 543 of 1610 (33.7%) 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 103 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, BB2, BB1, 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 173 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 212 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 57 was manually annotated 1 time for cluster AN.
- Start number 93 was manually annotated 1 time for cluster AN.
- Start number 99 was manually annotated 3 times for cluster AN.
- Start number 110 was manually annotated 38 times for cluster AN.

Info for manual annotations of cluster AS1:

- Start number 85 was manually annotated 2 times for cluster AS1.
- Start number 152 was manually annotated 15 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 85 was manually annotated 8 times for cluster AS2.
- Start number 162 was manually annotated 1 time for cluster AS2.
- Start number 212 was manually annotated 8 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 85 was manually annotated 2 times for cluster AS3.
- Start number 98 was manually annotated 14 times for cluster AS3.

Info for manual annotations of cluster AX:

- Start number 104 was manually annotated 2 times for cluster AX.
- Start number 152 was manually annotated 1 time for cluster AX.
- Start number 158 was manually annotated 1 time for cluster AX.

Info for manual annotations of cluster AY:

- Start number 229 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster BB1:

- Start number 122 was manually annotated 3 times for cluster BB1.
- Start number 130 was manually annotated 1 time for cluster BB1.
- Start number 134 was manually annotated 2 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 130 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BU:

- Start number 153 was manually annotated 40 times for cluster BU.
- Start number 163 was manually annotated 5 times for cluster BU.

Info for manual annotations of cluster BV:

- Start number 137 was manually annotated 3 times for cluster BV.

Info for manual annotations of cluster BW:

- Start number 156 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CD:

- Start number 117 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster CF:

- Start number 148 was manually annotated 4 times for cluster CF.
- Start number 153 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CU1:

- Start number 52 was manually annotated 2 times for cluster CU1.
- Start number 111 was manually annotated 6 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 52 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 68 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 102 was manually annotated 2 times for cluster CV.
- Start number 120 was manually annotated 1 time for cluster CV.
- Start number 128 was manually annotated 35 times for cluster CV.
- Start number 147 was manually annotated 5 times for cluster CV.

Info for manual annotations of cluster CW1:

- Start number 169 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:

- Start number 169 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 102 was manually annotated 1 time for cluster CZ.
- Start number 197 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ2:

- Start number 102 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 102 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 102 was manually annotated 23 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 102 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 156 was manually annotated 2 times for cluster CZ6.
- Start number 189 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 102 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DA:

- Start number 21 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 93 was manually annotated 4 times for cluster DB.
- Start number 131 was manually annotated 13 times for cluster DB.

Info for manual annotations of cluster DH:

- Start number 120 was manually annotated 1 time for cluster DH.
- Start number 196 was manually annotated 2 times for cluster DH.

Info for manual annotations of cluster DI:

- Start number 236 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DM:

- Start number 169 was manually annotated 2 times for cluster DM.
- Start number 221 was manually annotated 1 time for cluster DM.

Info for manual annotations of cluster DN:

- Start number 154 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 154 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 154 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DP:

- Start number 188 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:

- Start number 155 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 155 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DW:

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

Info for manual annotations of cluster DY:

- Start number 113 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster EB:

- Start number 125 was manually annotated 2 times for cluster EB.
- Start number 137 was manually annotated 78 times for cluster EB.

Info for manual annotations of cluster EE:

- Start number 108 was manually annotated 143 times for cluster EE.
- Start number 114 was manually annotated 2 times for cluster EE.

Info for manual annotations of cluster EP:

- Start number 125 was manually annotated 4 times for cluster EP.
- Start number 128 was manually annotated 4 times for cluster EP.

Info for manual annotations of cluster ER:

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

Info for manual annotations of cluster F1:

- Start number 154 was manually annotated 55 times for cluster F1.
- Start number 229 was manually annotated 6 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 154 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F3:

- Start number 154 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FB:

- Start number 156 was manually annotated 2 times for cluster FB.
- Start number 173 was manually annotated 2 times for cluster FB.
- Start number 196 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FE:

- Start number 59 was manually annotated 1 time for cluster FE.
- Start number 74 was manually annotated 7 times for cluster FE.
- Start number 86 was manually annotated 1 time for cluster FE.
- Start number 110 was manually annotated 1 time for cluster FE.
- Start number 113 was manually annotated 3 times for cluster FE.
- Start number 195 was manually annotated 1 time for cluster FE.

Info for manual annotations of cluster FF:

- Start number 98 was manually annotated 1 time for cluster FF.

- Start number 116 was manually annotated 19 times for cluster FF.

Info for manual annotations of cluster FN:

- Start number 160 was manually annotated 3 times for cluster FN.

Info for manual annotations of cluster FO:

- Start number 110 was manually annotated 6 times for cluster FO.
- Start number 113 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster FP:

- Start number 115 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster FQ:

- Start number 196 was manually annotated 1 time for cluster FQ.
- Start number 229 was manually annotated 2 times for cluster FQ.

Info for manual annotations of cluster FR:

- Start number 133 was manually annotated 5 times for cluster FR.
- Start number 136 was manually annotated 6 times for cluster FR.

Info for manual annotations of cluster FS:

- Start number 105 was manually annotated 1 time for cluster FS.

Info for manual annotations of cluster G1:

- Start number 77 was manually annotated 18 times for cluster G1.
- Start number 178 was manually annotated 42 times for cluster G1.
- Start number 179 was manually annotated 4 times for cluster G1.
- Start number 215 was manually annotated 1 time for cluster G1.

Info for manual annotations of cluster G2:

- Start number 50 was manually annotated 1 time for cluster G2.
- Start number 77 was manually annotated 1 time for cluster G2.
- Start number 178 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:

- Start number 77 was manually annotated 1 time for cluster G3.
- Start number 156 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:

- Start number 77 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 77 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster GH:

- Start number 145 was manually annotated 1 time for cluster GH.
- Start number 148 was manually annotated 2 times for cluster GH.

Info for manual annotations of cluster I2:

- Start number 155 was manually annotated 1 time for cluster I2.
- Start number 166 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster J:

- Start number 163 was manually annotated 12 times for cluster J.

Info for manual annotations of cluster JC:

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

Info for manual annotations of cluster K1:

- Start number 167 was manually annotated 109 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 167 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 156 was manually annotated 1 time for cluster K3.
- Start number 167 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 167 was manually annotated 13 times for cluster K4.
- Start number 229 was manually annotated 9 times for cluster K4.

Info for manual annotations of cluster K5:

- Start number 175 was manually annotated 25 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 156 was manually annotated 1 time for cluster K6.
- Start number 167 was manually annotated 24 times for cluster K6.
- Start number 196 was manually annotated 1 time for cluster K6.

Info for manual annotations of cluster K7:

- Start number 167 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 167 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 74 was manually annotated 13 times for cluster L1.
- Start number 78 was manually annotated 6 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 74 was manually annotated 31 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 74 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 74 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster M1:

- Start number 98 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 98 was manually annotated 5 times for cluster M2.
- Start number 99 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:

- Start number 98 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster N:

- Start number 157 was manually annotated 25 times for cluster N.
- Start number 160 was manually annotated 20 times for cluster N.
- Start number 177 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster O:

- Start number 76 was manually annotated 17 times for cluster O.
- Start number 78 was manually annotated 13 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 51 was manually annotated 43 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 51 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 51 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 51 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 51 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 51 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:

- Start number 69 was manually annotated 20 times for cluster Q.
- Start number 97 was manually annotated 3 times for cluster Q.

Info for manual annotations of cluster V:

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

Info for manual annotations of cluster Y:

- Start number 75 was manually annotated 5 times for cluster Y.

Info for manual annotations of cluster Z:

- Start number 81 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_3 Start: 878, Stop: 2545, Start Num: 81

Candidate Starts for 32HC_3:

(60, 851), (73, 866), (Start: 81 @878 has 1 MA's), (238, 1085), (299, 1238), (302, 1244), (423, 1460), (426, 1472), (488, 1631), (515, 1676), (528, 1694), (558, 1781), (569, 1802), (579, 1823), (610, 1868),

(651, 1931), (676, 1958), (762, 2120), (772, 2129), (819, 2192), (829, 2207), (853, 2252), (871, 2276), (936, 2378), (984, 2447),

Gene: ATCC29399BC_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for ATCC29399BC_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: ATCC29399BT_2 Start: 385, Stop: 1896, Start Num: 153

Candidate Starts for ATCC29399BT_2:

(Start: 153 @385 has 41 MA's), (194, 442), (Start: 208 @469 has 2 MA's), (217, 487), (Start: 234 @514 has 4 MA's), (Start: 236 @517 has 15 MA's), (278, 565), (283, 574), (285, 580), (294, 619), (296, 625), (315, 658), (323, 676), (331, 700), (333, 706), (350, 745), (353, 754), (355, 757), (381, 796), (383, 799), (419, 868), (432, 913), (433, 916), (438, 937), (445, 952), (447, 961), (449, 973), (466, 1012), (479, 1033), (490, 1048), (492, 1051), (493, 1054), (508, 1075), (551, 1141), (609, 1213), (616, 1234), (653, 1294), (658, 1300), (687, 1342), (704, 1363), (718, 1405), (760, 1483), (769, 1492), (789, 1504), (793, 1510), (811, 1537), (826, 1558), (829, 1561), (841, 1576), (859, 1606), (862, 1609), (875, 1633), (893, 1654), (911, 1678), (938, 1711), (940, 1714), (946, 1726), (952, 1738), (997, 1804), (1004, 1813), (1008, 1819), (1013, 1828), (1058, 1882), (1063, 1888),

Gene: AbbyDaisy_3 Start: 789, Stop: 2126, Start Num: 229

Candidate Starts for AbbyDaisy_3:

(159, 669), (227, 786), (Start: 229 @789 has 18 MA's), (256, 837), (281, 882), (310, 966), (315, 972), (333, 1023), (336, 1032), (445, 1218), (447, 1227), (448, 1230), (464, 1269), (466, 1272), (511, 1335), (574, 1410), (609, 1467), (711, 1638), (716, 1653), (739, 1713), (746, 1722), (757, 1743), (823, 1821), (829, 1830), (855, 1875), (863, 1887), (872, 1902), (890, 1932), (918, 1953), (993, 2058),

Gene: Abidatro_3 Start: 758, Stop: 2338, Start Num: 152

Candidate Starts for Abidatro_3:

(Start: 85 @692 has 13 MA's), (Start: 152 @758 has 16 MA's), (Start: 212 @854 has 10 MA's), (217, 863), (281, 944), (294, 995), (299, 1010), (310, 1034), (326, 1055), (337, 1088), (416, 1193), (435, 1256), (450, 1307), (454, 1319), (458, 1331), (490, 1388), (521, 1448), (534, 1487), (537, 1496), (564, 1550), (693, 1766), (702, 1778), (720, 1817), (731, 1844), (738, 1859), (755, 1889), (790, 1928), (796, 1937), (801, 1946), (863, 2036), (877, 2063), (967, 2177), (1017, 2246),

Gene: Abigail_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for Abigail_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (343, 1037), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

Gene: Acquire49_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Acquire49_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985),

(633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: ActinUp_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for ActinUp_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Adaia_3 Start: 651, Stop: 2057, Start Num: 158

Candidate Starts for Adaia_3:

(Start: 158 @651 has 1 MA's), (Start: 188 @693 has 6 MA's), (214, 744), (Start: 221 @759 has 1 MA's), (283, 843), (291, 879), (294, 888), (295, 891), (302, 909), (370, 1017), (403, 1056), (432, 1128), (433, 1131), (447, 1176), (455, 1209), (470, 1233), (474, 1242), (489, 1266), (629, 1473), (668, 1533), (731, 1650), (839, 1797), (871, 1836), (872, 1839), (925, 1893), (951, 1917), (978, 1929), (1010, 1974), (1068, 2043),

Gene: Adelaide_2 Start: 371, Stop: 1957, Start Num: 125

Candidate Starts for Adelaide_2:

(Start: 125 @371 has 6 MA's), (Start: 128 @374 has 39 MA's), (Start: 138 @380 has 1 MA's), (245, 551), (281, 629), (284, 638), (367, 812), (429, 914), (431, 920), (434, 929), (435, 938), (453, 998), (475, 1046), (476, 1049), (545, 1112), (592, 1205), (627, 1271), (722, 1427), (729, 1445), (756, 1490), (776, 1532), (802, 1568), (814, 1583), (832, 1610), (834, 1613), (844, 1628), (866, 1661), (873, 1676), (899, 1724), (953, 1772), (1006, 1847), (1067, 1922), (1081, 1946),

Gene: Adephagia_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for Adephagia_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Adonis_8 Start: 1604, Stop: 3025, Start Num: 167

Candidate Starts for Adonis_8:

(88, 1532), (Start: 156 @1592 has 11 MA's), (Start: 167 @1604 has 168 MA's), (Start: 229 @1715 has 18 MA's), (233, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (333, 1943), (361, 1985), (367, 1991), (387, 2018), (388, 2021), (445, 2138), (447, 2147), (490, 2228), (579, 2342), (609, 2390), (613, 2402), (631, 2432), (644, 2456), (651, 2468), (707, 2546), (709, 2552), (800, 2696), (823, 2729), (855, 2783), (993, 2960), (1052, 3014),

Gene: AdoptaAdorbs_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for AdoptaAdorbs_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Adora_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Adora_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (488, 1008), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (821, 1536), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (980, 1785), (1020, 1827),

Gene: Agamotto_6 Start: 4384, Stop: 5916, Start Num: 133

Candidate Starts for Agamotto_6:

(Start: 133 @4384 has 5 MA's), (206, 4471), (285, 4591), (308, 4654), (341, 4741), (438, 4951), (447, 4975), (449, 4987), (477, 5044), (570, 5200), (580, 5221), (616, 5287), (619, 5293), (853, 5653), (927, 5719),

Gene: Agent47_6 Start: 1331, Stop: 2758, Start Num: 175

Candidate Starts for Agent47_6:

(Start: 175 @1331 has 25 MA's), (204, 1388), (Start: 215 @1409 has 1 MA's), (Start: 229 @1433 has 18 MA's), (279, 1517), (283, 1526), (285, 1532), (295, 1574), (302, 1592), (315, 1610), (333, 1661), (359, 1700), (387, 1736), (431, 1814), (445, 1856), (447, 1865), (448, 1868), (490, 1946), (579, 2060), (609, 2108), (613, 2120), (631, 2150), (651, 2186), (671, 2213), (709, 2270), (741, 2354), (755, 2378), (821, 2456), (855, 2513), (872, 2537), (890, 2561), (993, 2690), (1052, 2747),

Gene: Ageofdapage_8 Start: 1536, Stop: 2957, Start Num: 167

Candidate Starts for Ageofdapage_8:

(88, 1464), (Start: 156 @1524 has 11 MA's), (Start: 167 @1536 has 168 MA's), (Start: 229 @1647 has 18 MA's), (233, 1653), (279, 1731), (283, 1740), (295, 1788), (302, 1806), (315, 1824), (333, 1875), (361, 1917), (367, 1923), (387, 1950), (388, 1953), (431, 2028), (445, 2070), (447, 2079), (490, 2160), (579, 2274), (609, 2322), (613, 2334), (631, 2364), (644, 2388), (651, 2400), (661, 2415), (709, 2484), (800, 2628), (823, 2661), (855, 2715), (993, 2892), (1052, 2946),

Gene: Aggie_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Aggie_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: AizenPogi_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for AizenPogi_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Akino08_3 Start: 952, Stop: 2577, Start Num: 137

Candidate Starts for Akino08_3:

(Start: 137 @952 has 81 MA's), (171, 988), (240, 1108), (299, 1216), (307, 1231), (343, 1300), (375, 1345), (433, 1450), (434, 1453), (450, 1513), (455, 1531), (456, 1534), (471, 1561), (488, 1591), (564, 1753), (694, 1969), (731, 2044), (737, 2056), (987, 2410),

Gene: Alatato_2 Start: 316, Stop: 1767, Start Num: 156

Candidate Starts for Alataato_2:

(Start: 156 @316 has 11 MA's), (Start: 196 @376 has 6 MA's), (204, 397), (281, 532), (323, 643), (367, 721), (415, 775), (433, 832), (445, 868), (447, 877), (511, 985), (540, 1009), (604, 1111), (609, 1120), (631, 1165), (648, 1192), (701, 1252), (709, 1273), (720, 1303), (732, 1330), (757, 1372), (760, 1375), (776, 1393), (794, 1411), (797, 1417), (919, 1579), (942, 1603), (996, 1681), (1026, 1720), (1052, 1756),

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

Candidate Starts for Albanese_5:

(Start: 79 @3132 has 76 MA's), (Start: 212 @3306 has 10 MA's), (Start: 234 @3342 has 4 MA's), (281, 3396), (291, 3438), (299, 3462), (374, 3588), (427, 3702), (432, 3717), (434, 3723), (450, 3783), (476, 3843), (533, 3942), (551, 3972), (604, 4035), (619, 4068), (674, 4155), (720, 4230), (735, 4263), (753, 4299), (814, 4374), (829, 4395), (860, 4416), (896, 4485), (987, 4563), (1015, 4602), (1041, 4632), (1053, 4644), (1080, 4683), (1084, 4692),

Gene: Albedo_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for Albedo_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: Albright_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for Albright_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (343, 1037), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

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

Candidate Starts for Aledel_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (299, 759), (310, 783), (337, 837), (416, 966), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (619, 1365), (674, 1452), (720, 1527), (721, 1530), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: AlexMinion_2 Start: 373, Stop: 1995, Start Num: 98

Candidate Starts for AlexMinion_2:

(Start: 85 @352 has 13 MA's), (Start: 98 @373 has 36 MA's), (Start: 212 @514 has 10 MA's), (281, 604), (285, 616), (293, 652), (299, 670), (337, 748), (416, 853), (434, 907), (435, 916), (450, 967), (458, 991), (476, 1027), (490, 1048), (527, 1123), (564, 1207), (693, 1423), (702, 1435), (716, 1462), (731, 1501), (735, 1507), (755, 1546), (790, 1585), (814, 1618), (844, 1663), (920, 1780), (952, 1816), (967, 1834), (1017, 1903), (1021, 1909), (1041, 1930), (1080, 1981), (1082, 1984),

Gene: Alexphander_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Alexphander_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: AlishaPH_8 Start: 1592, Stop: 3016, Start Num: 167

Candidate Starts for AlishaPH_8:

(88, 1520), (Start: 156 @1580 has 11 MA's), (Start: 167 @1592 has 168 MA's), (Start: 229 @1703 has 18 MA's), (233, 1709), (279, 1787), (283, 1796), (295, 1844), (302, 1862), (333, 1931), (361, 1973), (367, 1979), (387, 2006), (388, 2009), (445, 2126), (447, 2135), (490, 2216), (579, 2330), (609, 2378), (613, 2390), (631, 2420), (644, 2444), (651, 2456), (707, 2534), (709, 2540), (800, 2687), (823, 2720), (855, 2774), (993, 2951), (1052, 3005),

Gene: Alkhayr_31 Start: 13437, Stop: 14951, Start Num: 76

Candidate Starts for Alkhayr_31:

(Start: 76 @13437 has 17 MA's), (Start: 78 @13440 has 19 MA's), (Start: 215 @13620 has 1 MA's), (269, 13713), (294, 13788), (310, 13821), (323, 13848), (333, 13878), (431, 14031), (433, 14037), (445, 14073), (447, 14082), (490, 14163), (495, 14172), (497, 14175), (540, 14214), (576, 14271), (596, 14307), (601, 14310), (706, 14466), (709, 14475), (737, 14544), (741, 14553), (746, 14559), (769, 14592), (800, 14628), (855, 14715), (871, 14736), (932, 14799), (935, 14802), (938, 14805), (947, 14823), (963, 14844), (993, 14886), (1023, 14919), (1026, 14922), (1047, 14934),

Gene: AllBusiness_5 Start: 1989, Stop: 3686, Start Num: 116

Candidate Starts for AllBusiness_5:

(70, 1929), (Start: 116 @1989 has 19 MA's), (203, 2109), (Start: 212 @2130 has 10 MA's), (240, 2178), (282, 2223), (283, 2226), (293, 2268), (299, 2286), (300, 2289), (302, 2292), (310, 2310), (416, 2469), (434, 2523), (450, 2583), (490, 2664), (525, 2739), (585, 2895), (619, 2961), (625, 2976), (707, 3123), (718, 3156), (738, 3204), (762, 3246), (823, 3318), (862, 3360), (883, 3402), (967, 3477), (970, 3480), (1017, 3549), (1075, 3627), (1092, 3675),

Gene: AlleyCat_6 Start: 1349, Stop: 2776, Start Num: 175

Candidate Starts for AlleyCat_6:

(Start: 175 @1349 has 25 MA's), (204, 1406), (Start: 215 @1427 has 1 MA's), (Start: 229 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (333, 1679), (359, 1718), (387, 1754), (415, 1781), (431, 1832), (445, 1874), (447, 1883), (448, 1886), (490, 1964), (579, 2078), (609, 2126), (613, 2138), (631, 2168), (651, 2204), (671, 2231), (709, 2288), (741, 2372), (755, 2396), (821, 2474), (855, 2531), (872, 2555), (890, 2579), (993, 2708), (1052, 2765),

Gene: Aloeri_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for Aloeri_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: Altostratus_2 Start: 390, Stop: 1988, Start Num: 105

Candidate Starts for Altostratus_2:

(56, 318), (Start: 105 @390 has 1 MA's), (203, 507), (285, 630), (416, 918), (434, 972), (435, 981), (449, 1029), (476, 1092), (477, 1095), (636, 1371), (642, 1383), (707, 1470), (715, 1494), (718, 1503), (735, 1542), (748, 1569), (750, 1572), (797, 1632), (866, 1704), (899, 1767), (947, 1788), (952, 1797), (984, 1836), (1001, 1863), (1074, 1950), (1075, 1956),

Gene: Alucard_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Alucard_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884),

(619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Amanises_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Amanises_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (Start: 221 @1072 has 1 MA's), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Amelia_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Amelia_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Amelie_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Amelie_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: Amgine_6 Start: 1181, Stop: 2605, Start Num: 167

Candidate Starts for Amgine_6:

(Start: 79 @1097 has 76 MA's), (Start: 156 @1169 has 11 MA's), (Start: 167 @1181 has 168 MA's), (Start: 215 @1268 has 1 MA's), (Start: 229 @1292 has 18 MA's), (279, 1376), (283, 1385), (295, 1433), (302, 1451), (315, 1469), (316, 1472), (333, 1520), (387, 1595), (388, 1598), (445, 1715), (447, 1724), (448, 1727), (460, 1757), (490, 1805), (579, 1919), (609, 1967), (613, 1979), (631, 2009), (644, 2033), (652, 2048), (661, 2060), (709, 2129), (726, 2171), (741, 2201), (800, 2273), (823, 2306), (829, 2315), (855, 2360), (1052, 2594), (1056, 2600),

Gene: AmiCi24_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for AmiCi24_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Aminay_6 Start: 1302, Stop: 2744, Start Num: 167

Candidate Starts for Aminay_6:

(Start: 167 @1302 has 168 MA's), (223, 1401), (Start: 229 @1407 has 18 MA's), (279, 1491), (283, 1500), (295, 1548), (333, 1635), (336, 1644), (340, 1653), (367, 1683), (431, 1788), (447, 1839), (448, 1842), (463, 1878), (490, 1920), (495, 1929), (579, 2034), (609, 2082), (613, 2094), (631, 2124), (644, 2148), (652, 2163), (709, 2247), (725, 2289), (741, 2331), (797, 2400), (808, 2415), (843, 2466), (855, 2490), (989, 2661), (999, 2673), (1052, 2733),

Gene: Amochick_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Amochick_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Amohnition_7 Start: 1387, Stop: 2811, Start Num: 167

Candidate Starts for Amohnition_7:

(Start: 156 @1375 has 11 MA's), (Start: 167 @1387 has 168 MA's), (Start: 215 @1474 has 1 MA's), (Start: 229 @1498 has 18 MA's), (279, 1582), (283, 1591), (295, 1639), (302, 1657), (315, 1675), (333, 1726), (367, 1774), (445, 1921), (447, 1930), (448, 1933), (460, 1963), (490, 2011), (579, 2125), (613, 2185), (631, 2215), (661, 2266), (680, 2287), (709, 2335), (726, 2377), (741, 2407), (800, 2479), (855, 2566), (993, 2743), (1052, 2800), (1056, 2806),

Gene: Amphitrite_2 Start: 368, Stop: 1990, Start Num: 98

Candidate Starts for Amphitrite_2:

(Start: 85 @347 has 13 MA's), (Start: 98 @368 has 36 MA's), (281, 599), (282, 602), (285, 611), (293, 647), (299, 665), (337, 743), (416, 848), (450, 962), (458, 986), (476, 1022), (490, 1043), (500, 1058), (527, 1118), (564, 1202), (693, 1418), (702, 1430), (716, 1457), (731, 1496), (735, 1502), (755, 1541), (777, 1568), (790, 1580), (814, 1613), (823, 1625), (844, 1658), (952, 1811), (967, 1829), (1017, 1898), (1021, 1904), (1041, 1925), (1060, 1946), (1080, 1976), (1082, 1979), (1083, 1982),

Gene: Amymech_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Amymech_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Anatole_3 Start: 1202, Stop: 2782, Start Num: 137

Candidate Starts for Anatole_3:

(123, 1193), (126, 1196), (Start: 137 @1202 has 81 MA's), (Start: 162 @1229 has 1 MA's), (187, 1262), (203, 1292), (Start: 211 @1310 has 2 MA's), (Start: 212 @1313 has 10 MA's), (219, 1328), (Start: 234 @1349 has 4 MA's), (Start: 236 @1352 has 15 MA's), (289, 1439), (293, 1451), (299, 1469), (311, 1499), (312, 1502), (336, 1574), (339, 1580), (367, 1616), (372, 1622), (389, 1655), (420, 1712), (432, 1754), (434, 1760), (456, 1841), (475, 1877), (476, 1880), (494, 1907), (500, 1916), (516, 1952), (596, 2096), (614, 2126), (625, 2153), (636, 2168), (642, 2180), (670, 2222), (702, 2264), (707, 2273), (715, 2297), (735, 2345), (737, 2351), (748, 2372), (750, 2375), (794, 2429), (816, 2459), (860, 2498), (873, 2522), (888, 2555), (929, 2573), (952, 2600), (958, 2606), (967, 2618), (998, 2666), (1021, 2696), (1082, 2771),

Gene: Anaya_9 Start: 1616, Stop: 3037, Start Num: 167

Candidate Starts for Anaya_9:

(88, 1544), (Start: 156 @1604 has 11 MA's), (Start: 167 @1616 has 168 MA's), (Start: 229 @1727 has 18 MA's), (233, 1733), (279, 1811), (283, 1820), (285, 1826), (295, 1868), (302, 1886), (333, 1955), (361, 1997), (367, 2003), (387, 2030), (445, 2150), (447, 2159), (490, 2240), (501, 2258), (579, 2354),

(609, 2402), (613, 2414), (631, 2444), (644, 2468), (651, 2480), (661, 2495), (707, 2558), (709, 2564), (800, 2708), (823, 2741), (855, 2795), (993, 2972), (1052, 3026),

Gene: Andies_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Andies_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Andrew_3 Start: 741, Stop: 2363, Start Num: 98

Candidate Starts for Andrew_3:

(Start: 85 @720 has 13 MA's), (Start: 98 @741 has 36 MA's), (Start: 212 @882 has 10 MA's), (218, 894), (Start: 236 @921 has 15 MA's), (281, 972), (282, 975), (285, 984), (290, 1011), (293, 1020), (299, 1038), (337, 1116), (416, 1221), (435, 1284), (450, 1335), (454, 1347), (458, 1359), (476, 1395), (483, 1407), (490, 1416), (500, 1431), (527, 1491), (564, 1575), (693, 1791), (702, 1803), (731, 1869), (735, 1875), (755, 1914), (790, 1953), (814, 1986), (844, 2031), (920, 2148), (952, 2184), (967, 2202), (1017, 2271), (1021, 2277), (1041, 2298), (1064, 2322), (1080, 2349), (1082, 2352),

Gene: Angel_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Angel_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Angelica_8 Start: 1575, Stop: 2996, Start Num: 167

Candidate Starts for Angelica_8:

(88, 1503), (Start: 156 @1563 has 11 MA's), (Start: 167 @1575 has 168 MA's), (Start: 229 @1686 has 18 MA's), (233, 1692), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (333, 1914), (361, 1956), (367, 1962), (445, 2109), (447, 2118), (501, 2217), (579, 2313), (609, 2361), (613, 2373), (631, 2403), (644, 2427), (651, 2439), (661, 2454), (709, 2523), (800, 2667), (855, 2754), (993, 2931), (1052, 2985),

Gene: Anma_8 Start: 1566, Stop: 2987, Start Num: 167

Candidate Starts for Anma_8:

(88, 1494), (Start: 117 @1533 has 7 MA's), (Start: 156 @1554 has 11 MA's), (Start: 167 @1566 has 168 MA's), (Start: 229 @1677 has 18 MA's), (233, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (333, 1905), (361, 1947), (367, 1953), (387, 1980), (388, 1983), (415, 2007), (445, 2100), (447, 2109), (490, 2190), (501, 2208), (579, 2304), (609, 2352), (613, 2364), (631, 2394), (644, 2418), (651, 2430), (707, 2508), (709, 2514), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: AnnaLie_4 Start: 1038, Stop: 2663, Start Num: 137

Candidate Starts for AnnaLie_4:

(Start: 137 @1038 has 81 MA's), (Start: 162 @1065 has 1 MA's), (240, 1194), (285, 1248), (299, 1302), (307, 1317), (334, 1371), (343, 1386), (416, 1485), (433, 1536), (434, 1539), (450, 1599), (488, 1677), (731, 2130), (738, 2145), (987, 2496), (1092, 2652),

Gene: AnnabelLee_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for AnnabelLee_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: Annalisa_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Annalisa_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (346, 1246), (413, 1318), (415, 1321), (426, 1357), (445, 1414), (447, 1423), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (676, 1795), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (800, 1999), (876, 2122), (881, 2134), (906, 2173), (1064, 2362),

Gene: Annihilator_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Annihilator_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Anseraureola_3 Start: 1098, Stop: 2558, Start Num: 108

Candidate Starts for Anseraureola_3:

(Start: 108 @1098 has 144 MA's), (Start: 114 @1104 has 2 MA's), (Start: 236 @1266 has 15 MA's), (240, 1275), (282, 1335), (303, 1404), (319, 1425), (337, 1476), (449, 1680), (590, 1893), (601, 1908), (619, 1944), (642, 1986), (664, 2019), (679, 2037), (737, 2157), (738, 2160), (746, 2172), (803, 2247), (862, 2310), (872, 2328), (873, 2331), (1010, 2493), (1015, 2502), (1021, 2511), (1053, 2550),

Gene: Antrice_3 Start: 691, Stop: 2325, Start Num: 85

Candidate Starts for Antrice_3:

(Start: 85 @691 has 13 MA's), (Start: 236 @889 has 15 MA's), (281, 940), (282, 943), (285, 952), (299, 1006), (302, 1012), (310, 1030), (416, 1189), (450, 1303), (476, 1363), (490, 1384), (500, 1399), (527, 1456), (585, 1582), (619, 1642), (679, 1738), (693, 1759), (720, 1810), (738, 1852), (790, 1921), (794, 1927), (814, 1954), (844, 1999), (914, 2101), (920, 2110), (925, 2116), (949, 2140), (967, 2164), (1017, 2233), (1053, 2272), (1082, 2314),

Gene: Antsirabe_2 Start: 354, Stop: 1925, Start Num: 77

Candidate Starts for Antsirabe_2:

(Start: 77 @354 has 24 MA's), (204, 525), (295, 708), (315, 744), (336, 804), (430, 957), (431, 963), (433, 969), (445, 1005), (449, 1026), (464, 1056), (490, 1095), (495, 1104), (609, 1257), (623, 1287), (652, 1335), (709, 1413), (718, 1437), (800, 1563), (838, 1620), (846, 1632), (855, 1650), (919, 1722), (932, 1737), (993, 1830), (1042, 1893), (1052, 1914),

Gene: Aoka_3 Start: 1243, Stop: 2838, Start Num: 110

Candidate Starts for Aoka_3:

(Start: 110 @1243 has 45 MA's), (291, 1501), (299, 1525), (302, 1531), (450, 1822), (461, 1852), (490, 1903), (496, 1912), (555, 2014), (561, 2026), (627, 2149), (715, 2278), (844, 2506), (871, 2548), (1082, 2827),

Gene: Apocalypse_8 Start: 1571, Stop: 2992, Start Num: 167

Candidate Starts for Apocalypse_8:

(88, 1499), (Start: 156 @1559 has 11 MA's), (Start: 167 @1571 has 168 MA's), (Start: 229 @1682 has 18 MA's), (233, 1688), (279, 1766), (283, 1775), (295, 1823), (302, 1841), (333, 1910), (361, 1952), (367, 1958), (387, 1985), (388, 1988), (445, 2105), (447, 2114), (490, 2195), (579, 2309), (609, 2357), (613, 2369), (631, 2399), (651, 2435), (707, 2513), (709, 2519), (800, 2663), (823, 2696), (855, 2750),

(993, 2927), (1052, 2981),

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

Candidate Starts for AppleCider_5:

(Start: 79 @3069 has 76 MA's), (217, 3255), (Start: 236 @3285 has 15 MA's), (281, 3336), (285, 3348), (291, 3378), (296, 3393), (310, 3426), (374, 3528), (416, 3609), (432, 3657), (450, 3723), (471, 3771), (475, 3780), (520, 3855), (533, 3882), (551, 3912), (577, 3951), (707, 4131), (735, 4203), (753, 4239), (829, 4335), (883, 4401), (928, 4431), (933, 4437), (987, 4503), (1080, 4623),

Gene: Applecrisp_6 Start: 1540, Stop: 2964, Start Num: 167

Candidate Starts for Applecrisp_6:

(Start: 79 @1456 has 76 MA's), (Start: 156 @1528 has 11 MA's), (Start: 167 @1540 has 168 MA's), (Start: 215 @1627 has 1 MA's), (Start: 229 @1651 has 18 MA's), (279, 1735), (283, 1744), (295, 1792), (302, 1810), (315, 1828), (333, 1879), (387, 1954), (388, 1957), (445, 2074), (447, 2083), (448, 2086), (460, 2116), (490, 2164), (579, 2278), (609, 2326), (613, 2338), (631, 2368), (644, 2392), (652, 2407), (661, 2419), (709, 2488), (726, 2530), (741, 2560), (800, 2632), (823, 2665), (829, 2674), (855, 2719), (993, 2896), (1052, 2953), (1056, 2959),

Gene: Applejacks_2 Start: 524, Stop: 2077, Start Num: 117

Candidate Starts for Applejacks_2:

(Start: 117 @524 has 7 MA's), (Start: 128 @536 has 39 MA's), (135, 539), (Start: 148 @551 has 6 MA's), (Start: 212 @650 has 10 MA's), (217, 659), (296, 797), (299, 806), (309, 830), (367, 926), (378, 941), (416, 992), (432, 1040), (458, 1130), (475, 1163), (476, 1166), (498, 1199), (569, 1280), (578, 1295), (585, 1310), (651, 1427), (668, 1448), (701, 1490), (737, 1574), (748, 1595), (820, 1706), (862, 1778), (888, 1832), (890, 1835), (967, 1913), (1053, 2021),

Gene: Appletree2_4 Start: 1025, Stop: 2608, Start Num: 74

Candidate Starts for Appletree2_4:

(Start: 74 @1025 has 76 MA's), (Start: 78 @1031 has 19 MA's), (206, 1202), (269, 1289), (281, 1307), (283, 1313), (291, 1349), (358, 1487), (360, 1490), (413, 1565), (432, 1622), (433, 1625), (515, 1793), (554, 1847), (558, 1856), (566, 1871), (576, 1892), (603, 1931), (614, 1952), (616, 1958), (633, 1985), (663, 2027), (688, 2051), (704, 2069), (707, 2078), (709, 2084), (720, 2117), (735, 2150), (755, 2189), (758, 2195), (760, 2198), (801, 2243), (846, 2309), (875, 2360), (893, 2384), (905, 2399), (907, 2402), (1000, 2504), (1017, 2531), (1055, 2582), (1057, 2585),

Gene: Aquarius_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Aquarius_2:

(Start: 153 @378 has 41 MA's), (184, 417), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (490, 1041), (492, 1044), (493, 1047), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (701, 1350), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: ArV2_02 Start: 349, Stop: 1803, Start Num: 170

Candidate Starts for ArV2_02:

(Start: 170 @349 has 1 MA's), (Start: 196 @394 has 6 MA's), (204, 415), (Start: 215 @436 has 1 MA's), (Start: 229 @457 has 18 MA's), (269, 526), (275, 541), (281, 550), (290, 589), (310, 634), (333, 691), (336, 700), (346, 718), (413, 790), (415, 793), (447, 895), (464, 937), (490, 976), (604, 1129), (606, 1132), (609, 1138), (631, 1180), (641, 1198), (709, 1297), (725, 1336), (739, 1366), (769, 1411),

(800, 1453), (840, 1513), (843, 1516), (866, 1555), (989, 1711),

Gene: Arby_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Arby_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: ArchiDore_2 Start: 434, Stop: 1993, Start Num: 151

Candidate Starts for ArchiDore_2:

(34, 278), (48, 302), (71, 335), (92, 365), (Start: 151 @434 has 5 MA's), (198, 500), (238, 569), (261, 608), (299, 707), (326, 758), (333, 779), (334, 782), (362, 824), (410, 878), (447, 986), (485, 1070), (488, 1073), (528, 1136), (537, 1166), (543, 1184), (544, 1187), (657, 1376), (704, 1430), (707, 1439), (718, 1472), (730, 1502), (760, 1550), (769, 1559), (779, 1568), (797, 1595), (800, 1598), (819, 1625), (853, 1685), (869, 1706), (936, 1811), (955, 1844), (1005, 1913),

Gene: Archie_4 Start: 1034, Stop: 2602, Start Num: 74

Candidate Starts for Archie_4:

(Start: 74 @1034 has 76 MA's), (Start: 78 @1040 has 19 MA's), (90, 1058), (199, 1196), (Start: 221 @1244 has 1 MA's), (Start: 234 @1262 has 4 MA's), (302, 1388), (350, 1493), (360, 1499), (431, 1631), (433, 1637), (438, 1658), (488, 1757), (515, 1805), (554, 1859), (566, 1883), (576, 1904), (591, 1928), (595, 1934), (614, 1964), (616, 1970), (633, 1997), (637, 2006), (709, 2096), (739, 2174), (760, 2210), (801, 2255), (846, 2321), (875, 2372), (893, 2396), (907, 2414), (913, 2423), (1040, 2570), (1055, 2594), (1057, 2597),

Gene: Archimedes_1 Start: 59, Stop: 1762, Start Num: 21

Candidate Starts for Archimedes_1:

(15, 20), (Start: 21 @59 has 4 MA's), (106, 218), (Start: 115 @227 has 2 MA's), (129, 242), (198, 329), (284, 467), (299, 524), (319, 551), (339, 605), (435, 770), (455, 839), (475, 878), (483, 893), (589, 1034), (595, 1043), (598, 1052), (605, 1064), (632, 1112), (648, 1142), (665, 1166), (709, 1223), (738, 1298), (752, 1322), (760, 1334), (860, 1481), (862, 1484), (949, 1577), (965, 1598), (1038, 1694), (1065, 1724), (1082, 1751), (1083, 1754),

Gene: Archis_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Archis_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Arib1_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Arib1_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Ariel_9 Start: 2909, Stop: 4441, Start Num: 163

Candidate Starts for Ariel_9:

(126, 2867), (135, 2876), (Start: 163 @2909 has 17 MA's), (232, 3023), (284, 3119), (294, 3161), (296, 3167), (330, 3242), (333, 3251), (413, 3353), (415, 3356), (426, 3392), (436, 3425), (581, 3674), (616, 3737), (630, 3764), (653, 3809), (719, 3923), (735, 3959), (753, 3989), (758, 3998), (809, 4052), (826, 4076), (1011, 4310), (1018, 4322),

Gene: Arielagos_2 Start: 424, Stop: 1926, Start Num: 99

Candidate Starts for Arielagos_2:

(Start: 57 @361 has 1 MA's), (Start: 93 @412 has 5 MA's), (Start: 99 @424 has 4 MA's), (121, 448), (Start: 155 @472 has 8 MA's), (Start: 221 @583 has 1 MA's), (239, 610), (285, 673), (291, 703), (294, 712), (300, 730), (370, 841), (396, 874), (433, 955), (448, 1003), (484, 1084), (585, 1219), (604, 1246), (629, 1297), (648, 1330), (753, 1513), (830, 1606), (855, 1645), (860, 1651), (872, 1660), (890, 1699), (978, 1783), (987, 1798), (1031, 1858), (1062, 1888),

Gene: Aries55_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Aries55_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Armstrong_2 Start: 593, Stop: 2155, Start Num: 137

Candidate Starts for Armstrong_2:

(Start: 137 @593 has 81 MA's), (Start: 211 @701 has 2 MA's), (240, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (369, 977), (416, 1040), (450, 1154), (476, 1214), (488, 1232), (606, 1460), (625, 1505), (715, 1643), (952, 1970), (1084, 2144), (1086, 2147),

Gene: Aroostook_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Aroostook_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Arroyo_4 Start: 1159, Stop: 2787, Start Num: 137

Candidate Starts for Arroyo_4:

(Start: 137 @1159 has 81 MA's), (240, 1315), (299, 1423), (334, 1492), (343, 1507), (433, 1657), (434, 1660), (450, 1720), (471, 1768), (488, 1798), (731, 2254), (738, 2269), (987, 2620), (1021, 2668), (1092, 2776),

Gene: Asapag_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Asapag_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (262, 853), (277, 886), (292, 937), (295, 946), (315, 982), (330, 1024), (337, 1045), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (491, 1330), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (648, 1603), (691, 1657), (743, 1759), (760, 1786), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (1004, 2101), (1012, 2113),

Gene: Asayake_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Asayake_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Ashwin_32 Start: 13447, Stop: 14961, Start Num: 76

Candidate Starts for Ashwin_32:

(Start: 76 @13447 has 17 MA's), (Start: 78 @13450 has 19 MA's), (Start: 215 @13630 has 1 MA's), (269, 13723), (294, 13798), (310, 13831), (323, 13858), (333, 13888), (431, 14041), (433, 14047), (445, 14083), (447, 14092), (490, 14173), (495, 14182), (497, 14185), (576, 14281), (596, 14317), (601, 14320), (706, 14476), (709, 14485), (737, 14554), (741, 14563), (746, 14569), (769, 14602), (800, 14638), (855, 14725), (871, 14746), (932, 14809), (935, 14812), (938, 14815), (947, 14833), (963, 14854), (993, 14896), (1023, 14929), (1026, 14932), (1047, 14944),

Gene: Astro16_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Astro16_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Atcoo_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Atcoo_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (558, 1304), (569, 1325), (660, 1466), (676, 1478), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: Atiba_8 Start: 1556, Stop: 2980, Start Num: 167

Candidate Starts for Atiba_8:

(88, 1484), (Start: 156 @1544 has 11 MA's), (Start: 167 @1556 has 168 MA's), (Start: 229 @1667 has 18 MA's), (233, 1673), (279, 1751), (283, 1760), (295, 1808), (302, 1826), (333, 1895), (361, 1937), (367, 1943), (387, 1970), (388, 1973), (445, 2090), (447, 2099), (490, 2180), (579, 2294), (609, 2342), (613, 2354), (631, 2384), (644, 2408), (651, 2420), (707, 2498), (709, 2504), (800, 2651), (823, 2684), (855, 2738), (993, 2915), (1052, 2969),

Gene: Atlantica_2 Start: 349, Stop: 1992, Start Num: 85

Candidate Starts for Atlantica_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Atraxa_3 Start: 604, Stop: 2115, Start Num: 104

Candidate Starts for Atraxa_3:

(Start: 77 @562 has 24 MA's), (Start: 104 @604 has 2 MA's), (Start: 221 @763 has 1 MA's), (248, 808), (283, 847), (285, 853), (291, 883), (295, 895), (302, 913), (363, 1009), (424, 1108), (432, 1132), (433, 1135), (448, 1183), (455, 1213), (465, 1228), (470, 1237), (474, 1246), (489, 1270), (604, 1426), (607, 1429), (629, 1477), (668, 1537), (677, 1546), (693, 1573), (718, 1624), (768, 1711), (786, 1729), (836, 1801), (871, 1843), (872, 1846), (884, 1876), (922, 1909), (925, 1912), (941, 1930),

Gene: Attacne_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for Attacne_2:

(150, 370), (Start: 153 @373 has 41 MA's), (Start: 163 @385 has 17 MA's), (184, 412), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (413, 847), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (499, 1048), (508, 1063), (551, 1129), (567, 1150), (589, 1174), (601, 1186), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (704, 1351), (718, 1393), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (863, 1600), (872, 1615), (875, 1621), (938, 1699), (940, 1702), (946, 1714), (997, 1792), (1004, 1801), (1008, 1807), (1013, 1816), (1058, 1870), (1063, 1876),

Gene: Attis_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Attis_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Audell_7 Start: 4657, Stop: 6186, Start Num: 133

Candidate Starts for Audell_7:

(Start: 133 @4657 has 5 MA's), (183, 4702), (206, 4741), (217, 4765), (283, 4855), (285, 4861), (341, 5011), (447, 5242), (449, 5254), (477, 5311), (570, 5467), (580, 5488), (616, 5554), (619, 5560), (927, 5986), (1028, 6127),

Gene: AuntGwenStacy_9 Start: 4674, Stop: 6299, Start Num: 75

Candidate Starts for AuntGwenStacy_9:

(25, 4593), (28, 4611), (55, 4650), (63, 4662), (70, 4668), (Start: 75 @4674 has 5 MA's), (Start: 79 @4680 has 76 MA's), (Start: 208 @4848 has 2 MA's), (214, 4860), (219, 4872), (299, 5016), (333, 5112), (336, 5121), (387, 5199), (390, 5205), (427, 5262), (432, 5277), (458, 5367), (475, 5400), (476, 5403), (547, 5475), (578, 5532), (601, 5580), (611, 5601), (616, 5613), (622, 5625), (636, 5649), (648, 5673), (651, 5679), (697, 5736), (709, 5754), (753, 5856), (781, 5898), (824, 5961), (830, 5970), (833, 5976), (897, 6090), (934, 6102), (956, 6120), (986, 6162), (1016, 6204), (1028, 6219),

Gene: Auspice_14 Start: 4719, Stop: 6263, Start Num: 98

Candidate Starts for Auspice_14:

(Start: 98 @4719 has 36 MA's), (141, 4767), (282, 4968), (333, 5106), (443, 5298), (566, 5508), (595, 5559), (637, 5631), (707, 5694), (715, 5718), (720, 5733), (748, 5793), (755, 5805), (797, 5865), (821, 5898), (843, 5931), (856, 5958), (889, 6006), (1021, 6192), (1040, 6213),

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

Candidate Starts for AustinPowers_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (296, 750), (299, 759), (310, 783), (337, 837), (416, 966), (432, 1014), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (674, 1452), (720, 1527), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: AvGardian_3 Start: 755, Stop: 2380, Start Num: 137

Candidate Starts for AvGardian_3:

(Start: 137 @755 has 81 MA's), (240, 911), (299, 1019), (307, 1034), (343, 1103), (369, 1139), (375, 1148), (433, 1253), (434, 1256), (450, 1316), (455, 1334), (456, 1337), (471, 1364), (488, 1394), (564,

1556), (668, 1736), (737, 1859), (738, 1862), (814, 1964), (987, 2213), (1080, 2330), (1092, 2369),

Gene: AvadaKedavra_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for AvadaKedavra_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Avani_3 Start: 663, Stop: 2183, Start Num: 154

Candidate Starts for Avani_3:

(121, 651), (Start: 154 @663 has 85 MA's), (Start: 229 @789 has 18 MA's), (235, 798), (262, 843), (275, 873), (277, 876), (281, 882), (292, 927), (300, 951), (315, 972), (330, 1014), (337, 1035), (356, 1062), (368, 1080), (371, 1083), (387, 1107), (415, 1134), (433, 1191), (445, 1227), (447, 1236), (449, 1248), (451, 1254), (460, 1269), (466, 1281), (482, 1308), (487, 1314), (491, 1320), (515, 1356), (520, 1365), (542, 1395), (555, 1425), (556, 1428), (610, 1524), (613, 1533), (628, 1560), (685, 1644), (701, 1659), (755, 1770), (760, 1779), (769, 1788), (821, 1851), (868, 1926), (873, 1938), (890, 1956), (932, 1992), (962, 2034), (966, 2040), (993, 2082), (1004, 2094), (1012, 2106), (1071, 2172),

Gene: Avocado_2 Start: 352, Stop: 1935, Start Num: 50

Candidate Starts for Avocado_2:

(Start: 50 @352 has 1 MA's), (124, 436), (282, 652), (295, 703), (315, 739), (336, 799), (433, 964), (445, 1000), (449, 1021), (464, 1051), (490, 1090), (609, 1252), (644, 1315), (652, 1330), (682, 1375), (684, 1378), (709, 1426), (718, 1450), (760, 1525), (800, 1576), (821, 1606), (823, 1609), (829, 1618), (838, 1633), (843, 1639), (846, 1645), (870, 1684), (919, 1735), (932, 1750), (989, 1837), (993, 1843), (1052, 1924), (1056, 1930),

Gene: Avocadoman_3 Start: 747, Stop: 2375, Start Num: 137

Candidate Starts for Avocadoman_3:

(Start: 137 @747 has 81 MA's), (240, 903), (299, 1011), (343, 1095), (374, 1137), (416, 1194), (433, 1245), (434, 1248), (450, 1308), (455, 1326), (471, 1356), (488, 1386), (731, 1842), (738, 1857), (987, 2208), (1021, 2256), (1092, 2364),

Gene: Avrafan_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Avrafan_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Avvas_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Avvas_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Awesomesauce_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for Awesomesauce_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (433, 1202), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (707, 1682), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: AylexOG_4 Start: 1044, Stop: 2672, Start Num: 137

Candidate Starts for AylexOG_4:

(Start: 137 @1044 has 81 MA's), (240, 1200), (299, 1308), (343, 1392), (362, 1416), (374, 1434), (433, 1542), (434, 1545), (450, 1605), (455, 1623), (471, 1653), (488, 1683), (731, 2139), (738, 2154), (987, 2505), (1092, 2661),

Gene: Ayotoya_6 Start: 2230, Stop: 3660, Start Num: 236

Candidate Starts for Ayotoya_6:

(Start: 120 @2062 has 2 MA's), (Start: 122 @2065 has 3 MA's), (Start: 125 @2068 has 6 MA's), (Start: 131 @2074 has 13 MA's), (Start: 236 @2230 has 15 MA's), (244, 2248), (299, 2371), (310, 2389), (327, 2428), (330, 2437), (386, 2521), (433, 2605), (437, 2620), (448, 2653), (476, 2719), (518, 2788), (547, 2851), (652, 3040), (666, 3052), (704, 3100), (718, 3142), (741, 3193), (797, 3268), (800, 3271), (819, 3298), (853, 3358), (875, 3391), (881, 3406), (904, 3442), (936, 3484), (951, 3511), (980, 3547), (984, 3553), (1021, 3592),

Gene: Azathoth_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Azathoth_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Azaz_2 Start: 373, Stop: 1995, Start Num: 98

Candidate Starts for Azaz_2:

(Start: 85 @352 has 13 MA's), (Start: 98 @373 has 36 MA's), (281, 604), (285, 616), (293, 652), (299, 670), (302, 676), (337, 748), (435, 916), (450, 967), (458, 991), (476, 1027), (490, 1048), (500, 1063), (527, 1123), (564, 1207), (693, 1423), (702, 1435), (731, 1501), (735, 1507), (755, 1546), (790, 1585), (794, 1591), (814, 1618), (844, 1663), (1017, 1903), (1041, 1930), (1060, 1951), (1080, 1981), (1082, 1984),

Gene: Aziz_18 Start: 5321, Stop: 6862, Start Num: 98

Candidate Starts for Aziz_18:

(Start: 98 @5321 has 36 MA's), (Start: 99 @5324 has 4 MA's), (232, 5507), (252, 5525), (276, 5558), (282, 5567), (333, 5705), (431, 5858), (443, 5897), (492, 5990), (504, 6011), (595, 6158), (631, 6218), (735, 6365), (748, 6392), (801, 6470), (843, 6530), (856, 6557), (1040, 6812),

Gene: Azizam_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Azizam_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (550, 1791), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Azrael100_25 Start: 8124, Stop: 9737, Start Num: 84

Candidate Starts for Azrael100_25:

(Start: 84 @8124 has 6 MA's), (206, 8274), (214, 8292), (Start: 234 @8325 has 4 MA's), (250, 8337), (284, 8388), (285, 8391), (297, 8439), (299, 8445), (320, 8484), (322, 8487), (333, 8520), (376, 8589), (419, 8655), (423, 8673), (431, 8697), (433, 8703), (477, 8808), (504, 8850), (514, 8868), (517, 8877), (647, 9081), (650, 9087), (675, 9120), (755, 9285), (760, 9294), (767, 9300), (769, 9303), (821, 9378), (843, 9411), (850, 9426), (905, 9507), (1017, 9660), (1035, 9681), (1037, 9684),

Gene: Aztec_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Aztec_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Azula_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for Azula_2:

(Start: 102 @334 has 55 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (296, 646), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (945, 1753), (1078, 1942),

Gene: AzulaCat_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for AzulaCat_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: B22_3 Start: 956, Stop: 2410, Start Num: 156

Candidate Starts for B22_3:

(Start: 156 @956 has 11 MA's), (159, 959), (Start: 215 @1058 has 1 MA's), (233, 1085), (246, 1112), (252, 1121), (275, 1163), (283, 1178), (293, 1220), (315, 1262), (336, 1322), (357, 1349), (430, 1460), (447, 1517), (451, 1535), (460, 1550), (466, 1562), (511, 1625), (609, 1760), (610, 1763), (612, 1769), (631, 1802), (722, 1952), (769, 2036), (772, 2039), (784, 2045), (838, 2126), (847, 2138), (862, 2165), (1052, 2396),

Gene: B3_3 Start: 1202, Stop: 2782, Start Num: 137

Candidate Starts for B3_3:

(123, 1193), (126, 1196), (Start: 137 @1202 has 81 MA's), (Start: 162 @1229 has 1 MA's), (187, 1262), (203, 1292), (Start: 211 @1310 has 2 MA's), (Start: 212 @1313 has 10 MA's), (219, 1328), (Start: 234 @1349 has 4 MA's), (Start: 236 @1352 has 15 MA's), (289, 1439), (293, 1451), (299, 1469), (311, 1499), (312, 1502), (336, 1574), (339, 1580), (367, 1616), (372, 1622), (389, 1655), (420, 1712), (432, 1754), (434, 1760), (456, 1841), (475, 1877), (476, 1880), (494, 1907), (500, 1916), (516, 1952), (596, 2096), (614, 2126), (625, 2153), (636, 2168), (642, 2180), (670, 2222), (702, 2264), (707, 2273), (715, 2297), (735, 2345), (737, 2351), (748, 2372), (750, 2375), (794, 2429), (816, 2459), (860, 2498), (873, 2522), (888, 2555), (929, 2573), (952, 2600), (958, 2606), (967, 2618), (998, 2666), (1021, 2696), (1082, 2771),

Gene: BAJuniper_3 Start: 781, Stop: 2379, Start Num: 137

Candidate Starts for BAJuniper_3:

(Start: 137 @781 has 81 MA's), (Start: 162 @808 has 1 MA's), (206, 877), (Start: 211 @889 has 2 MA's), (240, 937), (282, 982), (299, 1045), (302, 1051), (343, 1129), (362, 1153), (375, 1174), (416, 1228), (433, 1279), (450, 1342), (476, 1402), (488, 1420), (515, 1471), (625, 1693), (693, 1795), (694, 1798), (715, 1831), (796, 1966), (1002, 2260), (1031, 2296), (1085, 2368), (1086, 2371),

Gene: BBQValindra_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for BBQValindra_2:

(100, 489), (Start: 108 @498 has 144 MA's), (Start: 111 @501 has 6 MA's), (Start: 131 @522 has 13 MA's), (206, 624), (315, 840), (333, 888), (369, 948), (383, 960), (432, 1050), (468, 1155), (544, 1299), (630, 1446), (676, 1506), (715, 1578), (758, 1665), (819, 1743), (826, 1755), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (912, 1899), (920, 1911),

Gene: BEEST_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for BEEST_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: BENtherdunthat_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for BENtherdunthat_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (262, 853), (277, 886), (292, 937), (295, 946), (315, 982), (330, 1024), (337, 1045), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (491, 1330), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (648, 1603), (691, 1657), (743, 1759), (760, 1786), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (1004, 2101), (1012, 2113),

Gene: BFK20_ORF2 Start: 538, Stop: 2166, Start Num: 127

Candidate Starts for BFK20_ORF2:

(45, 427), (Start: 99 @508 has 4 MA's), (127, 538), (284, 763), (291, 796), (328, 901), (345, 937), (351, 949), (366, 964), (374, 976), (398, 1024), (405, 1042), (411, 1054), (420, 1072), (433, 1120), (449, 1180), (476, 1243), (494, 1270), (562, 1387), (580, 1417), (709, 1609), (860, 1831), (873, 1855), (949, 1927), (1036, 2044), (1088, 2146), (1090, 2152),

Gene: BGlluviae_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for BGlluviae_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: BPs_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for BPs_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: BQuat_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for BQuat_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: BabeRuth_2 Start: 527, Stop: 2044, Start Num: 177

Candidate Starts for BabeRuth_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Babushka_2 Start: 372, Stop: 1994, Start Num: 98

Candidate Starts for Babushka_2:

(Start: 85 @351 has 13 MA's), (Start: 98 @372 has 36 MA's), (Start: 212 @513 has 10 MA's), (282, 606), (293, 651), (299, 669), (337, 747), (416, 852), (450, 966), (476, 1026), (490, 1047), (500, 1062), (527, 1122), (534, 1143), (564, 1206), (693, 1422), (702, 1434), (716, 1461), (731, 1500), (755, 1545), (790, 1584), (814, 1617), (844, 1662), (920, 1779), (967, 1833), (1017, 1902), (1021, 1908), (1041, 1929), (1080, 1980), (1082, 1983),

Gene: BabyDaisy_4 Start: 944, Stop: 2572, Start Num: 137

Candidate Starts for BabyDaisy_4:

(Start: 137 @944 has 81 MA's), (240, 1100), (299, 1208), (326, 1253), (343, 1292), (374, 1334), (416, 1391), (433, 1442), (434, 1445), (450, 1505), (455, 1523), (471, 1553), (488, 1583), (738, 2054), (814, 2156), (987, 2405), (1021, 2453), (1047, 2477), (1080, 2522),

Gene: BabyYoda_3 Start: 958, Stop: 2583, Start Num: 137

Candidate Starts for BabyYoda_3:

(Start: 137 @958 has 81 MA's), (240, 1114), (285, 1168), (299, 1222), (307, 1237), (343, 1306), (375, 1351), (433, 1456), (434, 1459), (450, 1519), (455, 1537), (456, 1540), (471, 1567), (488, 1597), (564, 1759), (694, 1975), (731, 2050), (737, 2062), (987, 2416), (1021, 2464),

Gene: Bachaco_3 Start: 938, Stop: 2503, Start Num: 137

Candidate Starts for Bachaco_3:

(Start: 137 @938 has 81 MA's), (240, 1094), (299, 1202), (337, 1280), (345, 1289), (366, 1316), (416, 1385), (433, 1436), (450, 1499), (488, 1577), (625, 1850), (715, 1988), (792, 2117), (794, 2120), (1031, 2420), (1060, 2450), (1086, 2495),

Gene: BackstagePass_2 Start: 474, Stop: 2078, Start Num: 111

Candidate Starts for BackstagePass_2:

(100, 462), (Start: 108 @471 has 144 MA's), (Start: 111 @474 has 6 MA's), (Start: 131 @495 has 13 MA's), (333, 861), (369, 921), (383, 933), (432, 1023), (468, 1128), (515, 1203), (544, 1272), (630, 1419), (676, 1479), (715, 1551), (758, 1638), (819, 1716), (826, 1728), (846, 1758), (853, 1776), (894, 1845), (912, 1872), (920, 1884),

Gene: BaghaKamala_8 Start: 1563, Stop: 2987, Start Num: 167

Candidate Starts for BaghaKamala_8:

(88, 1491), (Start: 156 @1551 has 11 MA's), (Start: 167 @1563 has 168 MA's), (Start: 229 @1674 has 18 MA's), (233, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (333, 1902), (361, 1944), (367, 1950), (387, 1977), (388, 1980), (445, 2097), (447, 2106), (490, 2187), (579, 2301), (609, 2349), (613, 2361), (631, 2391), (644, 2415), (651, 2427), (661, 2442), (707, 2505), (709, 2511), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: BaileyBlu_2 Start: 464, Stop: 1966, Start Num: 115

Candidate Starts for BaileyBlu_2:

(94, 437), (Start: 115 @464 has 2 MA's), (204, 569), (218, 599), (254, 635), (329, 806), (331, 812), (419, 929), (445, 1013), (448, 1025), (449, 1034), (477, 1091), (522, 1163), (574, 1250), (609, 1307), (649, 1385), (719, 1499), (722, 1508), (809, 1622), (851, 1688), (951, 1793), (1063, 1955),

Gene: Baine_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Baine_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Ball_2 Start: 633, Stop: 2009, Start Num: 199

Candidate Starts for Ball_2:

(Start: 156 @570 has 11 MA's), (199, 633), (210, 657), (Start: 221 @681 has 1 MA's), (284, 765), (306, 834), (317, 846), (421, 1014), (428, 1041), (450, 1119), (457, 1140), (490, 1194), (599, 1344), (601, 1347), (617, 1374), (719, 1551), (755, 1629), (762, 1641), (858, 1767), (892, 1833), (902, 1848), (914, 1860), (969, 1938), (1009, 2001),

Gene: BananenDer11_6 Start: 1324, Stop: 2751, Start Num: 175

Candidate Starts for BananenDer11_6:

(Start: 175 @1324 has 25 MA's), (204, 1381), (Start: 215 @1402 has 1 MA's), (Start: 229 @1426 has 18 MA's), (279, 1510), (283, 1519), (285, 1525), (295, 1567), (302, 1585), (315, 1603), (333, 1654), (339, 1669), (387, 1729), (431, 1807), (445, 1849), (447, 1858), (448, 1861), (490, 1939), (579, 2053), (609, 2101), (631, 2143), (644, 2167), (651, 2179), (671, 2206), (705, 2251), (709, 2263), (794, 2410), (821, 2449), (855, 2506), (872, 2530), (890, 2554), (919, 2578), (989, 2677), (993, 2683), (1052, 2740),

Gene: Banquo_11 Start: 4530, Stop: 6218, Start Num: 52

Candidate Starts for Banquo_11:

(Start: 52 @4530 has 3 MA's), (Start: 108 @4608 has 144 MA's), (243, 4800), (293, 4881), (319, 4926), (326, 4944), (333, 4965), (349, 4995), (379, 5034), (416, 5103), (434, 5157), (458, 5241), (460, 5244), (461, 5247), (475, 5274), (476, 5277), (564, 5382), (625, 5499), (636, 5514), (695, 5607), (698, 5613), (705, 5637), (719, 5679), (725, 5694), (738, 5724), (746, 5736), (781, 5787), (794, 5799), (829, 5847), (835, 5856), (873, 5922), (902, 5976), (933, 6009), (1024, 6126), (1047, 6144), (1055, 6156), (1084, 6204), (1087, 6210),

Gene: Baoshan_3 Start: 901, Stop: 2469, Start Num: 74

Candidate Starts for Baoshan_3:

(Start: 74 @901 has 76 MA's), (Start: 78 @907 has 19 MA's), (Start: 84 @916 has 6 MA's), (199, 1063), (269, 1165), (302, 1255), (350, 1360), (431, 1498), (433, 1504), (447, 1549), (488, 1624), (515, 1672), (554, 1726), (566, 1750), (576, 1771), (591, 1795), (595, 1801), (614, 1831), (616, 1837), (637, 1873), (688, 1930), (704, 1948), (709, 1963), (738, 2038), (739, 2041), (760, 2077), (769, 2086), (801, 2122), (846, 2188), (893, 2263), (907, 2281), (913, 2290), (1040, 2437), (1055, 2461), (1057, 2464),

Gene: BarBear_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for BarBear_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Barco_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Barco_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Barebow_2 Start: 355, Stop: 1803, Start Num: 108

Candidate Starts for Barebow_2:

(32, 244), (Start: 93 @337 has 5 MA's), (Start: 108 @355 has 144 MA's), (168, 418), (201, 478), (281, 592), (296, 649), (299, 658), (310, 682), (435, 895), (447, 928), (448, 931), (455, 961), (563, 1078), (582, 1117), (751, 1426), (785, 1468), (803, 1489), (858, 1546), (864, 1555), (873, 1573), (879, 1588), (1053, 1795),

Gene: Barkley26_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Barkley26_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: BarrelRoll_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for BarrelRoll_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Bartholomew_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Bartholomew_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Basilisk_3 Start: 961, Stop: 2607, Start Num: 85

Candidate Starts for Basilisk_3:

(67, 937), (Start: 85 @961 has 13 MA's), (Start: 152 @1027 has 16 MA's), (Start: 212 @1123 has 10 MA's), (217, 1132), (285, 1225), (294, 1264), (299, 1279), (310, 1303), (374, 1405), (450, 1576), (454, 1588), (455, 1594), (476, 1636), (490, 1657), (521, 1717), (531, 1747), (534, 1756), (564, 1819), (627, 1936), (693, 2035), (702, 2047), (731, 2113), (738, 2128), (755, 2158), (790, 2197), (796, 2206), (801, 2215), (829, 2251), (863, 2305), (1017, 2515), (1055, 2557), (1082, 2596),

Gene: Bauer_4 Start: 1485, Stop: 2990, Start Num: 160

Candidate Starts for Bauer_4:

(Start: 160 @1485 has 23 MA's), (252, 1629), (285, 1680), (298, 1731), (375, 1869), (400, 1911), (409, 1929), (460, 2073), (466, 2085), (495, 2130), (499, 2136), (548, 2214), (559, 2235), (639, 2364), (708, 2466), (710, 2472), (717, 2493), (745, 2544), (819, 2631), (854, 2691), (889, 2739), (911, 2772), (1004, 2904),

Gene: BaxterFox_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for BaxterFox_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (528, 1071), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (800, 1506), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (1020, 1827), (1046, 1857),

Gene: Bazzle_4 Start: 1010, Stop: 2578, Start Num: 74

Candidate Starts for Bazzle_4:

(Start: 74 @1010 has 76 MA's), (Start: 78 @1016 has 19 MA's), (199, 1172), (Start: 221 @1220 has 1 MA's), (Start: 234 @1238 has 4 MA's), (350, 1469), (431, 1607), (433, 1613), (488, 1733), (515, 1781), (566, 1859), (576, 1880), (591, 1904), (595, 1910), (614, 1940), (616, 1946), (633, 1973), (637, 1982), (709, 2072), (739, 2150), (760, 2186), (801, 2231), (846, 2297), (875, 2348), (893, 2372), (907, 2390), (913, 2399), (1040, 2546), (1055, 2570), (1057, 2573),

Gene: Beakin_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Beakin_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Beanstalk_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Beanstalk_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Bedetta_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Bedetta_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Beenie_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Beenie_3:

(Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (447, 1423),

(450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

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

Candidate Starts for Beethoven_5:

(Start: 79 @3076 has 76 MA's), (Start: 234 @3286 has 4 MA's), (281, 3340), (299, 3406), (310, 3430), (427, 3646), (432, 3661), (434, 3667), (450, 3727), (533, 3886), (551, 3916), (559, 3931), (619, 4012), (665, 4090), (674, 4099), (707, 4135), (720, 4174), (735, 4207), (738, 4216), (753, 4243), (797, 4297), (829, 4339), (873, 4384), (883, 4405), (896, 4429), (987, 4507), (1080, 4627),

Gene: Beezoo_8 Start: 1616, Stop: 3037, Start Num: 167

Candidate Starts for Beezoo_8:

(88, 1544), (Start: 156 @1604 has 11 MA's), (Start: 167 @1616 has 168 MA's), (Start: 229 @1727 has 18 MA's), (233, 1733), (279, 1811), (283, 1820), (295, 1868), (302, 1886), (333, 1955), (361, 1997), (367, 2003), (387, 2030), (388, 2033), (445, 2150), (447, 2159), (579, 2354), (609, 2402), (613, 2414), (631, 2444), (644, 2468), (651, 2480), (707, 2558), (709, 2564), (800, 2708), (823, 2741), (855, 2795), (993, 2972), (1052, 3026),

Gene: Begonia_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Begonia_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (360, 783), (367, 795), (386, 816), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (691, 1341), (705, 1359), (707, 1365), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: Bella96_8 Start: 1545, Stop: 2966, Start Num: 167

Candidate Starts for Bella96_8:

(88, 1473), (Start: 117 @1512 has 7 MA's), (Start: 156 @1533 has 11 MA's), (Start: 167 @1545 has 168 MA's), (Start: 229 @1656 has 18 MA's), (233, 1662), (279, 1740), (283, 1749), (295, 1797), (302, 1815), (333, 1884), (361, 1926), (367, 1932), (387, 1959), (445, 2079), (447, 2088), (490, 2169), (501, 2187), (579, 2283), (609, 2331), (613, 2343), (631, 2373), (644, 2397), (651, 2409), (707, 2487), (709, 2493), (800, 2637), (823, 2670), (855, 2724), (993, 2901), (1052, 2955),

Gene: BellaJr_4 Start: 1496, Stop: 3001, Start Num: 160

Candidate Starts for BellaJr_4:

(Start: 160 @1496 has 23 MA's), (252, 1640), (298, 1742), (300, 1748), (323, 1787), (334, 1820), (375, 1880), (401, 1925), (409, 1940), (433, 2000), (460, 2084), (466, 2096), (479, 2117), (495, 2141), (499, 2147), (508, 2162), (548, 2225), (559, 2246), (639, 2375), (710, 2483), (717, 2504), (745, 2555), (819, 2642), (854, 2702), (889, 2750), (911, 2783), (946, 2831), (1004, 2915),

Gene: Belladonna_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Belladonna_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Bellis_5 Start: 1186, Stop: 2751, Start Num: 74

Candidate Starts for Bellis_5:

(Start: 74 @1186 has 76 MA's), (Start: 78 @1192 has 19 MA's), (206, 1363), (281, 1468), (285, 1480), (346, 1636), (350, 1645), (358, 1648), (360, 1651), (413, 1726), (431, 1780), (432, 1783), (433, 1786), (558, 2017), (603, 2092), (614, 2113), (616, 2119), (663, 2188), (688, 2212), (704, 2230), (709, 2245), (760, 2359), (797, 2398), (801, 2404), (846, 2470), (905, 2560), (913, 2572), (954, 2611), (1021, 2698), (1055, 2743), (1057, 2746),

Gene: BelmontSKP_4 Start: 1038, Stop: 2663, Start Num: 137

Candidate Starts for BelmontSKP_4:

(Start: 137 @1038 has 81 MA's), (Start: 162 @1065 has 1 MA's), (240, 1194), (285, 1248), (299, 1302), (307, 1317), (334, 1371), (343, 1386), (416, 1485), (433, 1536), (434, 1539), (450, 1599), (488, 1677), (731, 2130), (738, 2145), (987, 2496), (1092, 2652),

Gene: Belthelas_3 Start: 1125, Stop: 2585, Start Num: 108

Candidate Starts for Belthelas_3:

(Start: 108 @1125 has 144 MA's), (Start: 114 @1131 has 2 MA's), (Start: 236 @1293 has 15 MA's), (240, 1302), (282, 1362), (303, 1431), (319, 1452), (337, 1503), (449, 1707), (550, 1842), (590, 1920), (601, 1935), (619, 1971), (642, 2013), (664, 2046), (679, 2064), (737, 2184), (738, 2187), (746, 2199), (803, 2274), (862, 2337), (872, 2355), (873, 2358), (1010, 2520), (1015, 2529), (1053, 2577),

Gene: Bengal_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for Bengal_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (343, 1037), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

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

Candidate Starts for Bennie_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (302, 762), (310, 780), (405, 942), (416, 963), (450, 1077), (476, 1137), (516, 1203), (533, 1236), (551, 1266), (559, 1281), (619, 1362), (665, 1440), (674, 1449), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (987, 1857),

Gene: Berka_4 Start: 780, Stop: 2345, Start Num: 86

Candidate Starts for Berka_4:

(Start: 86 @780 has 1 MA's), (96, 798), (Start: 134 @840 has 2 MA's), (174, 885), (Start: 188 @909 has 6 MA's), (193, 921), (219, 987), (226, 996), (246, 1032), (283, 1083), (291, 1119), (309, 1167), (334, 1212), (336, 1218), (337, 1221), (448, 1428), (452, 1446), (453, 1449), (529, 1566), (614, 1701), (622, 1719), (670, 1797), (699, 1836), (709, 1848), (718, 1875), (720, 1881), (738, 1923), (762, 1965), (766, 1974), (865, 2133), (916, 2205), (945, 2235), (967, 2268), (970, 2271), (1003, 2322),

Gene: Bern_8 Start: 1583, Stop: 3004, Start Num: 167

Candidate Starts for Bern_8:

(88, 1511), (Start: 156 @1571 has 11 MA's), (Start: 167 @1583 has 168 MA's), (Start: 229 @1694 has 18 MA's), (233, 1700), (279, 1778), (283, 1787), (295, 1835), (302, 1853), (333, 1922), (361, 1964), (367, 1970), (387, 1997), (388, 2000), (445, 2117), (447, 2126), (490, 2207), (579, 2321), (609, 2369), (613, 2381), (631, 2411), (644, 2435), (651, 2447), (709, 2531), (800, 2675), (823, 2708), (855, 2762), (993, 2939), (1052, 2993),

Gene: Bernstein_2 Start: 653, Stop: 2215, Start Num: 137

Candidate Starts for Bernstein_2:

(Start: 137 @653 has 81 MA's), (Start: 211 @761 has 2 MA's), (240, 809), (299, 917), (302, 923), (307, 932), (309, 938), (310, 941), (369, 1037), (416, 1100), (450, 1214), (476, 1274), (488, 1292), (606, 1520), (625, 1565), (715, 1703), (952, 2030), (1084, 2204), (1086, 2207),

Gene: BetterKatz_6 Start: 2231, Stop: 3661, Start Num: 236

Candidate Starts for BetterKatz_6:

(Start: 120 @2063 has 2 MA's), (Start: 122 @2066 has 3 MA's), (Start: 125 @2069 has 6 MA's), (Start: 131 @2075 has 13 MA's), (Start: 236 @2231 has 15 MA's), (244, 2249), (299, 2372), (310, 2390), (327, 2429), (330, 2438), (386, 2522), (433, 2606), (437, 2621), (448, 2654), (449, 2663), (476, 2720), (518, 2789), (547, 2852), (652, 3041), (666, 3053), (704, 3101), (718, 3143), (741, 3194), (797, 3269), (800, 3272), (819, 3299), (853, 3359), (875, 3392), (881, 3407), (904, 3443), (936, 3485), (951, 3512), (980, 3548), (984, 3554), (1021, 3593),

Gene: Bhagsy_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Bhagsy_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (558, 1304), (569, 1325), (660, 1466), (676, 1478), (707, 1523), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: Bibble12_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Bibble12_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (755, 2045), (790, 2084), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: BigBoyz_1 Start: 31, Stop: 1653, Start Num: 145

Candidate Starts for BigBoyz_1:

(Start: 145 @31 has 1 MA's), (Start: 221 @169 has 1 MA's), (260, 238), (263, 247), (279, 280), (294, 334), (295, 337), (309, 373), (322, 385), (349, 451), (423, 565), (441, 622), (447, 640), (453, 664), (513, 766), (543, 811), (550, 829), (568, 865), (614, 946), (646, 1009), (702, 1090), (727, 1150), (749, 1192), (791, 1264), (798, 1276), (813, 1297), (851, 1360), (861, 1375), (878, 1414), (899, 1447), (901, 1450), (902, 1453),

Gene: BigCheese_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for BigCheese_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

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

Candidate Starts for BigMack_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (281, 690), (299, 756), (310, 780), (405, 942), (450, 1077), (477, 1140), (533, 1236), (551, 1266), (619, 1362), (665, 1440), (674, 1449), (707, 1485), (735, 1557), (797, 1647), (829, 1689), (883, 1755), (987, 1857),

Gene: BigNuz_2 Start: 392, Stop: 2065, Start Num: 51

Candidate Starts for BigNuz_2:

(8, 179), (17, 275), (Start: 51 @392 has 50 MA's), (Start: 120 @485 has 2 MA's), (Start: 137 @503 has 81 MA's), (207, 608), (228, 647), (292, 773), (299, 794), (302, 800), (304, 803), (329, 857), (341, 890), (404, 980), (476, 1169), (544, 1265), (569, 1316), (660, 1457), (676, 1469), (707, 1514), (794, 1667), (800, 1676), (819, 1703), (829, 1718), (846, 1745), (853, 1763), (876, 1799), (914, 1862), (966, 1934),

(1067, 2048),

Gene: BigPhil_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for BigPhil_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: BigSherm_6 Start: 1935, Stop: 3635, Start Num: 116

Candidate Starts for BigSherm_6:

(73, 1878), (Start: 98 @1914 has 36 MA's), (Start: 116 @1935 has 19 MA's), (187, 2010), (203, 2058), (Start: 212 @2079 has 10 MA's), (219, 2094), (240, 2127), (281, 2169), (282, 2172), (293, 2217), (299, 2235), (300, 2238), (302, 2241), (375, 2364), (387, 2388), (416, 2418), (450, 2532), (476, 2592), (490, 2613), (523, 2679), (585, 2844), (619, 2910), (625, 2925), (715, 3096), (762, 3195), (794, 3228), (821, 3264), (823, 3267), (862, 3309), (883, 3351), (947, 3399), (967, 3426), (970, 3429), (974, 3435), (1017, 3498), (1075, 3576), (1092, 3624),

Gene: Biglebops_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Biglebops_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: BinkBonk_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for BinkBonk_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Bintii_3 Start: 1104, Stop: 2564, Start Num: 108

Candidate Starts for Bintii_3:

(Start: 108 @1104 has 144 MA's), (Start: 114 @1110 has 2 MA's), (Start: 236 @1272 has 15 MA's), (240, 1281), (282, 1341), (303, 1410), (319, 1431), (337, 1482), (449, 1686), (550, 1821), (590, 1899), (601, 1914), (610, 1932), (619, 1950), (642, 1992), (664, 2025), (679, 2043), (737, 2163), (738, 2166), (746, 2178), (751, 2190), (760, 2202), (803, 2253), (858, 2310), (862, 2316), (867, 2325), (872, 2334), (873, 2337), (1010, 2499), (1015, 2508), (1021, 2517), (1053, 2556),

Gene: Bipper_9 Start: 4723, Stop: 6342, Start Num: 75

Candidate Starts for Bipper_9:

(Start: 75 @4723 has 5 MA's), (172, 4831), (Start: 234 @4942 has 4 MA's), (318, 5119), (319, 5122), (345, 5182), (387, 5248), (388, 5251), (427, 5311), (429, 5317), (475, 5449), (476, 5452), (494, 5479), (578, 5581), (611, 5650), (616, 5662), (636, 5698), (640, 5707), (648, 5722), (651, 5728), (697, 5785), (709, 5803), (720, 5836), (728, 5860), (738, 5878), (781, 5947), (827, 6016), (830, 6019), (852, 6061), (897, 6139), (956, 6169), (986, 6211), (1016, 6253), (1028, 6268),

Gene: Biscayne_3 Start: 1101, Stop: 2561, Start Num: 108

Candidate Starts for Biscayne_3:

(Start: 108 @1101 has 144 MA's), (Start: 114 @1107 has 2 MA's), (Start: 236 @1269 has 15 MA's), (282, 1338), (303, 1407), (319, 1428), (337, 1479), (449, 1683), (610, 1929), (619, 1947), (642, 1989), (664, 2022), (679, 2040), (737, 2160), (738, 2163), (746, 2175), (751, 2187), (803, 2250), (858, 2307), (862, 2313), (867, 2322), (872, 2331), (873, 2334), (1008, 2493), (1010, 2496), (1015, 2505),

Gene: Bjaner7_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Bjaner7_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: BlackSpider_2 Start: 495, Stop: 2000, Start Num: 160

Candidate Starts for BlackSpider_2:

(Start: 160 @495 has 23 MA's), (Start: 234 @624 has 4 MA's), (252, 639), (298, 741), (375, 879), (400, 921), (409, 939), (460, 1083), (466, 1095), (495, 1140), (499, 1146), (548, 1224), (559, 1245), (639, 1374), (708, 1476), (710, 1482), (745, 1554), (854, 1701), (889, 1749), (891, 1752), (911, 1782), (946, 1830),

Gene: Blair_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Blair_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (239, 974), (281, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (334, 1160), (370, 1205), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (454, 1391), (459, 1400), (496, 1466), (555, 1529), (561, 1541), (585, 1583), (597, 1601), (629, 1661), (665, 1718), (678, 1730), (693, 1754), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (835, 1979), (884, 2054), (890, 2063), (925, 2090), (978, 2147), (1015, 2201), (1073, 2273),

Gene: Blarby_4 Start: 1188, Stop: 2708, Start Num: 154

Candidate Starts for Blarby_4:

(121, 1176), (Start: 154 @1188 has 85 MA's), (Start: 229 @1314 has 18 MA's), (235, 1323), (262, 1368), (275, 1398), (277, 1401), (281, 1407), (292, 1452), (300, 1476), (315, 1497), (330, 1539), (337, 1560), (356, 1587), (368, 1605), (371, 1608), (387, 1632), (415, 1659), (433, 1716), (445, 1752), (447, 1761), (449, 1773), (451, 1779), (460, 1794), (466, 1806), (487, 1839), (491, 1845), (515, 1881), (520, 1890), (542, 1920), (555, 1950), (556, 1953), (610, 2049), (613, 2058), (628, 2085), (685, 2169), (701, 2184), (755, 2295), (760, 2304), (769, 2313), (821, 2376), (868, 2451), (873, 2463), (890, 2481), (932, 2517), (962, 2559), (966, 2565), (993, 2607), (1004, 2619), (1012, 2631), (1071, 2697),

Gene: Blessica_31 Start: 13473, Stop: 14984, Start Num: 78

Candidate Starts for Blessica_31:

(Start: 76 @13470 has 17 MA's), (Start: 78 @13473 has 19 MA's), (Start: 215 @13653 has 1 MA's), (269, 13746), (294, 13821), (310, 13854), (323, 13881), (333, 13911), (431, 14064), (433, 14070), (445, 14106), (447, 14115), (490, 14196), (495, 14205), (497, 14208), (540, 14247), (576, 14304), (596, 14340), (601, 14343), (706, 14499), (709, 14508), (737, 14577), (741, 14586), (746, 14592), (769, 14625), (800, 14661), (855, 14748), (871, 14769), (932, 14832), (935, 14835), (938, 14838), (947, 14856), (963, 14877), (993, 14919), (1026, 14955), (1047, 14967),

Gene: BlingBling_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for BlingBling_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (430, 891), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Blino_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for Blino_2:

(Start: 102 @334 has 55 MA's), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (299, 655), (315, 691), (329, 727), (333, 739), (346, 769), (360, 781), (362, 784), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (1078, 1942),

Gene: Blizzard_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Blizzard_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: BloominB_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for BloominB_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: BlueFeather_1 Start: 75, Stop: 1616, Start Num: 110

Candidate Starts for BlueFeather_1:

(Start: 110 @75 has 45 MA's), (Start: 163 @129 has 17 MA's), (219, 237), (Start: 221 @240 has 1 MA's), (246, 282), (293, 396), (296, 405), (309, 438), (310, 441), (334, 483), (336, 489), (341, 501), (347, 513), (432, 663), (448, 714), (453, 735), (486, 798), (564, 897), (574, 906), (627, 1002), (723, 1158), (737, 1188), (738, 1191), (773, 1260), (799, 1299), (835, 1353), (838, 1359), (855, 1386), (896, 1461), (951, 1515), (956, 1521), (965, 1533), (970, 1539), (981, 1557),

Gene: Blueberry_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for Blueberry_2:

(Start: 102 @334 has 55 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (296, 646), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (945, 1753), (1078, 1942),

Gene: Bobburn_2 Start: 416, Stop: 1825, Start Num: 182

Candidate Starts for Bobburn_2:

(88, 305), (107, 335), (Start: 145 @371 has 1 MA's), (Start: 152 @380 has 16 MA's), (Start: 169 @398 has 5 MA's), (182, 416), (Start: 234 @512 has 4 MA's), (239, 521), (281, 566), (290, 605), (302, 638), (336, 707), (432, 860), (458, 947), (459, 950), (545, 1061), (693, 1319), (713, 1352), (746, 1424), (757, 1445), (768, 1457), (851, 1565), (853, 1571), (860, 1580), (1062, 1805),

Gene: Bobby_11 Start: 3839, Stop: 5371, Start Num: 163

Candidate Starts for Bobby_11:

(126, 3797), (135, 3806), (Start: 163 @3839 has 17 MA's), (232, 3953), (268, 4016), (284, 4049), (296, 4097), (330, 4172), (346, 4208), (413, 4283), (415, 4286), (426, 4322), (436, 4355), (581, 4604), (616, 4667), (630, 4694), (719, 4853), (735, 4889), (748, 4910), (753, 4919), (758, 4928), (809, 4982), (826, 5006), (896, 5087), (1011, 5240), (1018, 5252),

Gene: Bobi_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Bobi_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Bobquesha_9 Start: 2502, Stop: 3842, Start Num: 229

Candidate Starts for Bobquesha_9:

(Start: 167 @2397 has 168 MA's), (Start: 229 @2502 has 18 MA's), (269, 2571), (279, 2586), (283, 2595), (294, 2640), (295, 2643), (298, 2652), (300, 2658), (308, 2667), (313, 2679), (315, 2685), (333, 2736), (340, 2754), (367, 2784), (431, 2889), (445, 2931), (447, 2940), (448, 2943), (490, 3021), (495, 3030), (579, 3135), (606, 3177), (609, 3183), (631, 3225), (709, 3342), (725, 3384), (741, 3429), (797, 3498), (829, 3543), (843, 3564), (855, 3588), (932, 3672), (993, 3765), (1052, 3831), (1056, 3837),

Gene: BobsGarage_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for BobsGarage_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Bock_6 Start: 1981, Stop: 3411, Start Num: 236

Candidate Starts for Bock_6:

(Start: 120 @1813 has 2 MA's), (Start: 122 @1816 has 3 MA's), (Start: 125 @1819 has 6 MA's), (Start: 131 @1825 has 13 MA's), (Start: 236 @1981 has 15 MA's), (244, 1999), (299, 2122), (310, 2140), (327, 2179), (330, 2188), (386, 2272), (433, 2356), (437, 2371), (448, 2404), (476, 2470), (518, 2539), (547, 2602), (580, 2668), (652, 2791), (666, 2803), (704, 2851), (718, 2893), (741, 2944), (797, 3019), (800, 3022), (819, 3049), (853, 3109), (875, 3142), (881, 3157), (904, 3193), (936, 3235), (951, 3262), (980, 3298), (984, 3304), (1021, 3343),

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

Candidate Starts for Bodacious_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873,

1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Bodhi17_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Bodhi17_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: Bogie_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Bogie_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (569, 1325), (676, 1478), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: Boiiii_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Boiiii_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Boilgate_5 Start: 1550, Stop: 2998, Start Num: 167

Candidate Starts for Boilgate_5:

(Start: 93 @1493 has 5 MA's), (119, 1523), (Start: 167 @1550 has 168 MA's), (Start: 229 @1655 has 18 MA's), (269, 1724), (279, 1739), (283, 1748), (294, 1793), (295, 1796), (298, 1805), (300, 1811), (308, 1820), (313, 1832), (315, 1838), (333, 1889), (340, 1907), (367, 1937), (373, 1943), (430, 2036), (431, 2042), (438, 2069), (447, 2093), (448, 2096), (490, 2174), (495, 2183), (497, 2186), (542, 2231), (572, 2276), (579, 2288), (606, 2330), (609, 2336), (613, 2348), (631, 2378), (651, 2414), (661, 2429), (709, 2495), (725, 2537), (797, 2654), (838, 2714), (855, 2744), (890, 2792), (932, 2828), (993, 2921), (999, 2927), (1052, 2987),

Gene: BonaeVitae_3 Start: 778, Stop: 2235, Start Num: 108

Candidate Starts for BonaeVitae_3:

(Start: 108 @778 has 144 MA's), (Start: 236 @943 has 15 MA's), (303, 1081), (319, 1102), (332, 1138), (337, 1153), (431, 1294), (449, 1357), (456, 1381), (619, 1621), (642, 1663), (664, 1696), (679, 1714), (737, 1834), (746, 1849), (773, 1885), (803, 1924), (862, 1987), (873, 2008), (1010, 2170), (1021, 2188),

Gene: Bongo_14 Start: 4719, Stop: 6263, Start Num: 98

Candidate Starts for Bongo_14:

(Start: 98 @4719 has 36 MA's), (141, 4767), (282, 4968), (333, 5106), (443, 5298), (566, 5508), (595, 5559), (637, 5631), (707, 5694), (715, 5718), (720, 5733), (748, 5793), (755, 5805), (797, 5865), (821, 5898), (843, 5931), (856, 5958), (889, 6006), (1021, 6192), (1040, 6213),

Gene: BoomRoasted_3 Start: 1125, Stop: 2585, Start Num: 108

Candidate Starts for BoomRoasted_3:

(Start: 108 @1125 has 144 MA's), (Start: 114 @1131 has 2 MA's), (Start: 236 @1293 has 15 MA's), (240, 1302), (282, 1362), (303, 1431), (319, 1452), (337, 1503), (449, 1707), (550, 1842), (590, 1920), (601, 1935), (619, 1971), (642, 2013), (664, 2046), (679, 2064), (737, 2184), (738, 2187), (746, 2199),

(803, 2274), (862, 2337), (872, 2355), (873, 2358), (1010, 2520), (1015, 2529), (1021, 2538), (1053, 2577),

Gene: Boomer_3 Start: 797, Stop: 2158, Start Num: 229

Candidate Starts for Boomer_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: BoostSeason_4 Start: 652, Stop: 2073, Start Num: 167

Candidate Starts for BoostSeason_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (367, 1030), (387, 1057), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (497, 1279), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (652, 1510), (709, 1588), (726, 1630), (741, 1660), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (993, 1996), (1052, 2062),

Gene: Bora_28 Start: 12903, Stop: 14414, Start Num: 78

Candidate Starts for Bora_28:

(Start: 76 @12900 has 17 MA's), (Start: 78 @12903 has 19 MA's), (Start: 215 @13083 has 1 MA's), (269, 13176), (294, 13251), (310, 13284), (323, 13311), (333, 13341), (431, 13494), (433, 13500), (445, 13536), (447, 13545), (490, 13626), (495, 13635), (497, 13638), (540, 13677), (576, 13734), (596, 13770), (601, 13773), (706, 13929), (709, 13938), (737, 14007), (741, 14016), (746, 14022), (769, 14055), (800, 14091), (855, 14178), (871, 14199), (932, 14262), (935, 14265), (938, 14268), (947, 14286), (963, 14307), (993, 14349), (1023, 14382), (1026, 14385), (1047, 14397),

Gene: Bosection6_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Bosection6_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: BotCity_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for BotCity_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (1004, 2099), (1012, 2111),

Gene: BourbonZero_4 Start: 1191, Stop: 2756, Start Num: 74

Candidate Starts for BourbonZero_4:

(38, 1140), (44, 1149), (Start: 74 @1191 has 76 MA's), (Start: 78 @1197 has 19 MA's), (206, 1368), (Start: 221 @1401 has 1 MA's), (281, 1473), (283, 1479), (285, 1485), (346, 1641), (350, 1650), (358,

1653), (360, 1656), (413, 1731), (431, 1785), (432, 1788), (433, 1791), (554, 2013), (558, 2022), (603, 2097), (614, 2118), (616, 2124), (633, 2151), (663, 2193), (688, 2217), (704, 2235), (707, 2244), (709, 2250), (760, 2364), (797, 2403), (801, 2409), (846, 2475), (880, 2529), (905, 2565), (913, 2577), (954, 2616), (1021, 2703), (1055, 2748), (1057, 2751),

Gene: Bowser_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for Bowser_2:

(100, 489), (Start: 108 @498 has 144 MA's), (Start: 131 @522 has 13 MA's), (206, 624), (315, 840), (333, 888), (358, 930), (369, 948), (383, 960), (432, 1050), (468, 1155), (544, 1299), (569, 1350), (676, 1506), (707, 1554), (715, 1578), (758, 1665), (826, 1755), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (912, 1899), (920, 1911), (971, 1980),

Gene: Bradley2_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Bradley2_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (205, 1188), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Brahms_2 Start: 593, Stop: 2155, Start Num: 137

Candidate Starts for Brahms_2:

(Start: 137 @593 has 81 MA's), (Start: 211 @701 has 2 MA's), (240, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (369, 977), (416, 1040), (450, 1154), (476, 1214), (488, 1232), (606, 1460), (625, 1505), (715, 1643), (952, 1970), (1084, 2144), (1086, 2147),

Gene: BrainDrainer_4 Start: 771, Stop: 2333, Start Num: 74

Candidate Starts for BrainDrainer_4:

(Start: 74 @771 has 76 MA's), (Start: 78 @777 has 19 MA's), (199, 927), (Start: 234 @993 has 4 MA's), (266, 1023), (281, 1047), (286, 1062), (296, 1104), (360, 1230), (433, 1368), (438, 1389), (447, 1413), (488, 1488), (515, 1536), (566, 1614), (576, 1635), (591, 1659), (595, 1665), (614, 1695), (616, 1701), (637, 1737), (709, 1827), (755, 1932), (760, 1941), (787, 1965), (801, 1986), (846, 2052), (913, 2154), (1017, 2274), (1021, 2280), (1040, 2301), (1055, 2325),

Gene: Bran_2 Start: 373, Stop: 1959, Start Num: 125

Candidate Starts for Bran_2:

(Start: 125 @373 has 6 MA's), (Start: 128 @376 has 39 MA's), (Start: 138 @382 has 1 MA's), (187, 442), (245, 553), (281, 631), (284, 640), (367, 814), (429, 916), (432, 925), (434, 931), (435, 940), (453, 1000), (475, 1048), (476, 1051), (545, 1114), (592, 1207), (722, 1429), (729, 1447), (776, 1534), (802, 1570), (814, 1585), (832, 1612), (834, 1615), (844, 1630), (847, 1636), (866, 1663), (873, 1678), (899, 1726), (953, 1774), (1006, 1849), (1067, 1924), (1081, 1948),

Gene: BrayBeast_2 Start: 311, Stop: 1759, Start Num: 156

Candidate Starts for BrayBeast_2:

(43, 170), (46, 173), (54, 185), (Start: 102 @257 has 55 MA's), (Start: 156 @311 has 11 MA's), (Start: 196 @371 has 6 MA's), (204, 392), (Start: 215 @413 has 1 MA's), (237, 446), (256, 482), (281, 527), (282, 530), (290, 566), (295, 581), (310, 611), (323, 638), (367, 716), (447, 872), (448, 875), (511, 980), (604, 1106), (609, 1115), (705, 1256), (707, 1262), (709, 1268), (734, 1328), (737, 1334), (760, 1373), (787, 1400), (794, 1409), (846, 1487), (855, 1505), (901, 1562), (999, 1682), (1013, 1703), (1052, 1748),

Gene: Breezona_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Breezona_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Bri160_3 Start: 1125, Stop: 2585, Start Num: 108

Candidate Starts for Bri160_3:

(Start: 108 @1125 has 144 MA's), (Start: 114 @1131 has 2 MA's), (Start: 236 @1293 has 15 MA's), (240, 1302), (282, 1362), (303, 1431), (319, 1452), (337, 1503), (449, 1707), (550, 1842), (590, 1920), (601, 1935), (619, 1971), (642, 2013), (664, 2046), (679, 2064), (737, 2184), (738, 2187), (746, 2199), (803, 2274), (862, 2337), (872, 2355), (873, 2358), (1010, 2520), (1015, 2529), (1021, 2538), (1053, 2577),

Gene: Bricole_14 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for Bricole_14:

(Start: 98 @4718 has 36 MA's), (141, 4766), (232, 4907), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: BrokMonster_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for BrokMonster_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Bromden_4 Start: 815, Stop: 2377, Start Num: 74

Candidate Starts for Bromden_4:

(Start: 74 @815 has 76 MA's), (Start: 78 @821 has 19 MA's), (199, 971), (Start: 221 @1019 has 1 MA's), (Start: 234 @1037 has 4 MA's), (269, 1073), (296, 1148), (350, 1268), (360, 1274), (431, 1406), (433, 1412), (438, 1433), (488, 1532), (515, 1580), (566, 1658), (576, 1679), (591, 1703), (595, 1709), (614, 1739), (616, 1745), (633, 1772), (637, 1781), (688, 1838), (707, 1865), (709, 1871), (735, 1937), (755, 1976), (760, 1985), (787, 2009), (801, 2030), (846, 2096), (847, 2099), (1017, 2318), (1021, 2324), (1040, 2345), (1055, 2369),

Gene: BronnyJames_6 Start: 2259, Stop: 3791, Start Num: 163

Candidate Starts for BronnyJames_6:

(Start: 93 @2175 has 5 MA's), (126, 2217), (135, 2226), (Start: 163 @2259 has 17 MA's), (232, 2373), (284, 2469), (285, 2472), (296, 2517), (330, 2592), (413, 2703), (415, 2706), (426, 2742), (436, 2775), (581, 3024), (616, 3087), (630, 3114), (653, 3159), (719, 3273), (735, 3309), (753, 3339), (758, 3348), (809, 3402), (826, 3426), (1011, 3660), (1018, 3672),

Gene: BronnyJr_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for BronnyJr_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Brookers_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Brookers_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

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

Candidate Starts for BrotherBLo_5:

(Start: 79 @3082 has 76 MA's), (Start: 234 @3292 has 4 MA's), (281, 3346), (296, 3403), (299, 3412), (427, 3652), (432, 3667), (434, 3673), (450, 3733), (476, 3793), (533, 3892), (551, 3922), (559, 3937), (619, 4018), (665, 4096), (674, 4105), (707, 4141), (720, 4180), (735, 4213), (738, 4222), (753, 4249), (797, 4303), (829, 4345), (873, 4390), (883, 4411), (896, 4435), (987, 4513), (1080, 4633),

Gene: BruceB_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for BruceB_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: BruceLethal_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for BruceLethal_2:

(Start: 153 @373 has 41 MA's), (176, 397), (194, 430), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (413, 847), (419, 856), (433, 904), (438, 925), (447, 949), (449, 961), (490, 1036), (492, 1039), (589, 1174), (609, 1201), (616, 1222), (658, 1288), (687, 1330), (693, 1339), (704, 1351), (718, 1393), (737, 1435), (747, 1447), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (862, 1597), (872, 1615), (875, 1621), (909, 1663), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (991, 1786), (997, 1792), (1004, 1801), (1008, 1807), (1027, 1828), (1058, 1870), (1063, 1876),

Gene: Brusacoram_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Brusacoram_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Brushbloom_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Brushbloom_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (275, 880), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (330, 1021), (337, 1042), (356, 1069), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101),

Gene: Bryler_7 Start: 1509, Stop: 2936, Start Num: 167

Candidate Starts for Bryler_7:

(Start: 167 @1509 has 168 MA's), (Start: 215 @1599 has 1 MA's), (Start: 229 @1623 has 18 MA's), (233, 1629), (279, 1707), (283, 1716), (295, 1764), (302, 1782), (333, 1851), (359, 1890), (367, 1899), (387, 1926), (431, 2004), (445, 2046), (447, 2055), (490, 2136), (539, 2184), (579, 2250), (606, 2292), (609, 2298), (613, 2310), (617, 2316), (631, 2340), (644, 2364), (648, 2370), (661, 2391), (709, 2460), (726, 2502), (794, 2595), (797, 2601), (800, 2604), (823, 2637), (843, 2667), (855, 2691), (890, 2739), (993, 2868), (1052, 2925), (1056, 2931),

Gene: Brylie_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Brylie_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Brynnie_3 Start: 689, Stop: 2335, Start Num: 85

Candidate Starts for Brynnie_3:

(Start: 85 @689 has 13 MA's), (Start: 152 @755 has 16 MA's), (Start: 212 @851 has 10 MA's), (217, 860), (285, 953), (294, 992), (299, 1007), (310, 1031), (374, 1133), (427, 1223), (450, 1304), (454, 1316), (455, 1322), (476, 1364), (490, 1385), (521, 1445), (531, 1475), (534, 1484), (564, 1547), (627, 1664), (693, 1763), (702, 1775), (731, 1841), (738, 1856), (755, 1886), (790, 1925), (796, 1934), (801, 1943), (829, 1979), (863, 2033), (1017, 2243), (1055, 2285), (1082, 2324),

Gene: BubbaBear_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for BubbaBear_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: Budski_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for Budski_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: Buldak_3 Start: 997, Stop: 2574, Start Num: 137

Candidate Starts for Buldak_3:

(Start: 137 @997 has 81 MA's), (240, 1153), (285, 1207), (299, 1261), (326, 1306), (416, 1444), (433, 1495), (450, 1558), (475, 1615), (488, 1636), (498, 1651), (531, 1723), (642, 1936), (653, 1960), (693, 2011), (694, 2014), (702, 2023), (715, 2047), (896, 2317), (952, 2389), (1017, 2476), (1031, 2494), (1086, 2566),

Gene: Bullzi2019_3 Start: 1095, Stop: 2555, Start Num: 108

Candidate Starts for Bullzi2019_3:

(Start: 108 @1095 has 144 MA's), (Start: 114 @1101 has 2 MA's), (Start: 236 @1263 has 15 MA's), (240, 1272), (282, 1332), (303, 1401), (319, 1422), (337, 1473), (449, 1677), (550, 1812), (590, 1890), (601, 1905), (610, 1923), (619, 1941), (642, 1983), (664, 2016), (679, 2034), (737, 2154), (738, 2157), (746, 2169), (751, 2181), (760, 2193), (803, 2244), (858, 2301), (862, 2307), (867, 2316), (872, 2325), (873, 2328), (1010, 2490), (1015, 2499), (1021, 2508), (1053, 2547),

Gene: Bunker_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for Bunker_2:

(100, 489), (Start: 108 @498 has 144 MA's), (Start: 111 @501 has 6 MA's), (Start: 131 @522 has 13 MA's), (333, 888), (369, 948), (383, 960), (432, 1050), (468, 1155), (544, 1299), (630, 1446), (676, 1506), (715, 1578), (758, 1665), (819, 1743), (826, 1755), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (912, 1899), (920, 1911),

Gene: Bunnies_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Bunnies_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (660, 1478), (676, 1490), (707, 1535), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Burgy_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Burgy_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Burritobowl_3 Start: 687, Stop: 2315, Start Num: 137

Candidate Starts for Burritobowl_3:

(Start: 137 @687 has 81 MA's), (240, 843), (299, 951), (343, 1035), (374, 1077), (416, 1134), (433, 1185), (434, 1188), (450, 1248), (455, 1266), (471, 1296), (488, 1326), (731, 1782), (738, 1797), (987, 2148), (1021, 2196), (1092, 2304),

Gene: BurtonThePup_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for BurtonThePup_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Butters_2 Start: 498, Stop: 2030, Start Num: 160

Candidate Starts for Butters_2:

(Start: 157 @495 has 25 MA's), (Start: 160 @498 has 23 MA's), (Start: 177 @513 has 1 MA's), (204, 570), (Start: 212 @588 has 10 MA's), (218, 600), (274, 672), (290, 720), (293, 729), (323, 792), (358, 864), (386, 912), (432, 1011), (448, 1062), (488, 1134), (497, 1149), (506, 1167), (570, 1275), (581, 1299), (616, 1362), (671, 1446), (707, 1503), (712, 1518), (735, 1575), (744, 1593), (759, 1620), (809, 1689), (847, 1746), (859, 1755), (881, 1776), (910, 1809), (940, 1845), (951, 1860), (1011, 1941), (1014, 1947),

Gene: BuzzLyseyear_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for BuzzLyseyear_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (256, 844), (262, 850), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (330, 1021), (337, 1042), (356, 1069), (363, 1078), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: CGermain_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for CGermain_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: CLED96_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for CLED96_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: CREW_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for CREW_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: CabbageMan_2 Start: 437, Stop: 1996, Start Num: 74

Candidate Starts for CabbageMan_2:

(Start: 57 @419 has 1 MA's), (Start: 74 @437 has 76 MA's), (Start: 162 @533 has 1 MA's), (165, 536), (187, 563), (219, 644), (226, 653), (241, 680), (278, 734), (283, 740), (294, 785), (331, 860), (332, 863), (334, 869), (336, 875), (337, 878), (349, 896), (374, 929), (431, 1031), (453, 1106), (463, 1130), (527, 1220), (529, 1223), (546, 1250), (549, 1253), (561, 1277), (565, 1286), (604, 1337), (614, 1358), (632, 1394), (651, 1430), (670, 1454), (709, 1505), (714, 1520), (718, 1532), (738, 1577), (746, 1589), (830, 1730), (862, 1781), (865, 1787), (976, 1934), (981, 1943), (987, 1952),

Gene: CactusJack_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for CactusJack_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Cain_7 Start: 1509, Stop: 2936, Start Num: 167

Candidate Starts for Cain_7:

(Start: 167 @1509 has 168 MA's), (Start: 215 @1599 has 1 MA's), (Start: 229 @1623 has 18 MA's), (233, 1629), (279, 1707), (283, 1716), (295, 1764), (302, 1782), (333, 1851), (359, 1890), (367, 1899), (387, 1926), (431, 2004), (445, 2046), (447, 2055), (490, 2136), (539, 2184), (579, 2250), (606, 2292), (609, 2298), (613, 2310), (617, 2316), (631, 2340), (644, 2364), (648, 2370), (661, 2391), (709, 2460), (726, 2502), (794, 2595), (797, 2601), (800, 2604), (823, 2637), (843, 2667), (855, 2691), (890, 2739), (993, 2868), (1052, 2925), (1056, 2931),

Gene: CallaLilly_8 Start: 1563, Stop: 2984, Start Num: 167

Candidate Starts for CallaLilly_8:

(88, 1491), (Start: 156 @1551 has 11 MA's), (Start: 167 @1563 has 168 MA's), (Start: 229 @1674 has 18 MA's), (233, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (333, 1902), (361, 1944), (367, 1950), (387, 1977), (388, 1980), (445, 2097), (447, 2106), (490, 2187), (579, 2301), (609, 2349), (613, 2361), (631, 2391), (644, 2415), (651, 2427), (661, 2442), (707, 2505), (709, 2511), (800, 2655), (823, 2688), (855, 2742), (993, 2919), (1052, 2973),

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

Candidate Starts for CallieOMalley_5:

(Start: 79 @3069 has 76 MA's), (217, 3255), (Start: 236 @3285 has 15 MA's), (281, 3336), (285, 3348), (296, 3393), (310, 3426), (374, 3528), (416, 3609), (432, 3657), (450, 3723), (471, 3771), (475, 3780), (520, 3855), (533, 3882), (551, 3912), (577, 3951), (707, 4131), (735, 4203), (753, 4239), (829, 4335), (883, 4401), (928, 4431), (933, 4437), (987, 4503), (1080, 4623),

Gene: CallinAllBarbz_2 Start: 466, Stop: 1968, Start Num: 115

Candidate Starts for CallinAllBarbz_2:

(Start: 115 @466 has 2 MA's), (143, 490), (204, 571), (218, 601), (329, 808), (331, 814), (419, 931), (445, 1015), (448, 1027), (449, 1036), (477, 1093), (522, 1165), (574, 1252), (609, 1309), (719, 1501), (722, 1510), (809, 1624), (851, 1690), (951, 1795), (979, 1837), (1063, 1957),

Gene: Calm_4 Start: 1058, Stop: 2635, Start Num: 78

Candidate Starts for Calm_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Camara_2 Start: 371, Stop: 1993, Start Num: 98

Candidate Starts for Camara_2:

(Start: 85 @350 has 13 MA's), (Start: 98 @371 has 36 MA's), (281, 602), (282, 605), (285, 614), (293, 650), (299, 668), (337, 746), (416, 851), (450, 965), (458, 989), (476, 1025), (490, 1046), (500, 1061), (527, 1121), (564, 1205), (693, 1421), (702, 1433), (716, 1460), (731, 1499), (735, 1505), (755, 1544), (777, 1571), (790, 1583), (814, 1616), (823, 1628), (844, 1661), (967, 1832), (1017, 1901), (1021, 1907), (1041, 1928), (1060, 1949), (1080, 1979), (1082, 1982), (1083, 1985),

Gene: Cambiare_3 Start: 925, Stop: 2397, Start Num: 178

Candidate Starts for Cambiare_3:

(66, 826), (Start: 77 @841 has 24 MA's), (Start: 178 @925 has 43 MA's), (Start: 189 @940 has 1 MA's), (282, 1114), (295, 1165), (315, 1201), (336, 1261), (433, 1426), (445, 1462), (449, 1483), (464, 1513), (490, 1552), (609, 1714), (644, 1777), (652, 1792), (682, 1837), (684, 1840), (709, 1888), (718, 1912), (760, 1987), (800, 2038), (821, 2068), (823, 2071), (829, 2080), (838, 2095), (843, 2101), (846, 2107), (870, 2146), (919, 2197), (932, 2212), (989, 2299), (993, 2305), (1052, 2386), (1056, 2392),

Gene: Camri_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Camri_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Camster_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Camster_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: CanFranMach_3 Start: 691, Stop: 2319, Start Num: 137

Candidate Starts for CanFranMach_3:

(Start: 137 @691 has 81 MA's), (240, 847), (299, 955), (307, 970), (343, 1039), (433, 1189), (434, 1192), (450, 1252), (455, 1270), (456, 1273), (471, 1300), (488, 1330), (731, 1786), (738, 1801), (814, 1903), (958, 2113), (987, 2152), (1080, 2269), (1092, 2308),

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

Candidate Starts for Canowicakte_5:

(Start: 79 @3104 has 76 MA's), (217, 3290), (Start: 236 @3320 has 15 MA's), (281, 3371), (285, 3383), (291, 3413), (296, 3428), (310, 3461), (374, 3563), (416, 3644), (432, 3692), (450, 3758), (471, 3806), (475, 3815), (477, 3821), (520, 3890), (533, 3917), (551, 3947), (577, 3986), (707, 4166), (735, 4238), (753, 4274), (829, 4370), (883, 4436), (928, 4466), (933, 4472), (987, 4538), (1080, 4658),

Gene: Capricorn_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Capricorn_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: CaptainKirk2_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for CaptainKirk2_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Carcharodon_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Carcharodon_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: CardboardBox_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for CardboardBox_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: CarefulCloud_2 Start: 351, Stop: 1808, Start Num: 95

Candidate Starts for CarefulCloud_2:

(Start: 95 @351 has 2 MA's), (101, 360), (107, 366), (301, 627), (305, 633), (336, 699), (431, 849), (433, 855), (448, 903), (478, 966), (589, 1119), (626, 1191), (656, 1239), (693, 1287), (726, 1350), (797, 1461), (839, 1518), (877, 1569), (883, 1581), (949, 1644), (965, 1662), (1041, 1764), (1069, 1797),

Gene: CarolAnn_2 Start: 333, Stop: 1958, Start Num: 102

Candidate Starts for CarolAnn_2:

(Start: 102 @333 has 55 MA's), (Start: 122 @354 has 3 MA's), (Start: 128 @360 has 39 MA's), (210, 474), (214, 483), (238, 516), (247, 534), (257, 549), (272, 570), (282, 591), (299, 654), (315, 690), (329, 726), (333, 738), (346, 768), (360, 780), (362, 783), (468, 1002), (477, 1017), (488, 1032), (490, 1035), (544, 1110), (569, 1161), (676, 1317), (691, 1338), (693, 1341), (730, 1428), (737, 1440), (758, 1473), (760, 1476), (794, 1515), (800, 1524), (846, 1593), (847, 1596), (878, 1656), (881, 1659), (884, 1668), (936, 1737), (1078, 1941),

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

Candidate Starts for Carpal_5:

(Start: 79 @3082 has 76 MA's), (Start: 234 @3292 has 4 MA's), (281, 3346), (296, 3403), (299, 3412), (427, 3652), (432, 3667), (434, 3673), (450, 3733), (476, 3793), (533, 3892), (551, 3922), (559, 3937), (619, 4018), (665, 4096), (674, 4105), (707, 4141), (720, 4180), (735, 4213), (738, 4222), (753, 4249), (797, 4303), (829, 4345), (873, 4390), (883, 4411), (896, 4435), (987, 4513), (1080, 4633),

Gene: CaseJules_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for CaseJules_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Cashington_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for Cashington_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (326, 986), (332, 1004), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (435, 1187), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: CassieYates_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for CassieYates_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Cassini_2 Start: 460, Stop: 1965, Start Num: 160

Candidate Starts for Cassini_2:

(Start: 160 @460 has 23 MA's), (Start: 188 @493 has 6 MA's), (252, 604), (299, 709), (334, 784), (367, 835), (375, 844), (409, 904), (460, 1048), (466, 1060), (495, 1105), (499, 1111), (508, 1126), (548, 1189), (559, 1210), (636, 1333), (639, 1339), (708, 1441), (710, 1447), (745, 1519), (854, 1666), (889, 1714), (891, 1717), (911, 1747), (946, 1795), (1004, 1879),

Gene: Catdawg_30 Start: 13079, Stop: 14590, Start Num: 78

Candidate Starts for Catdawg_30:

(Start: 76 @13076 has 17 MA's), (Start: 78 @13079 has 19 MA's), (Start: 215 @13259 has 1 MA's), (269, 13352), (294, 13427), (310, 13460), (323, 13487), (333, 13517), (431, 13670), (433, 13676), (445, 13712), (447, 13721), (490, 13802), (495, 13811), (497, 13814), (540, 13853), (576, 13910), (596, 13946), (601, 13949), (706, 14105), (709, 14114), (737, 14183), (741, 14192), (746, 14198), (769, 14231), (800, 14267), (855, 14354), (871, 14375), (932, 14438), (935, 14441), (938, 14444), (947, 14462), (963, 14483), (993, 14525), (1026, 14561), (1047, 14573),

Gene: Catfish_6 Start: 2518, Stop: 4161, Start Num: 68

Candidate Starts for Catfish_6:

(Start: 68 @2518 has 1 MA's), (296, 2854), (319, 2890), (326, 2908), (416, 3046), (429, 3085), (434, 3100), (458, 3184), (460, 3187), (461, 3190), (476, 3220), (619, 3424), (724, 3634), (733, 3655), (738, 3667), (760, 3706), (794, 3742), (797, 3748), (902, 3919), (933, 3952), (987, 4018), (1021, 4066), (1087, 4153),

Gene: Cayde6_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Cayde6_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Cazares_3 Start: 1068, Stop: 2522, Start Num: 114

Candidate Starts for Cazares_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: Cedasite_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Cedasite_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Celaena_3 Start: 875, Stop: 2440, Start Num: 137

Candidate Starts for Celaena_3:

(Start: 137 @875 has 81 MA's), (240, 1031), (299, 1139), (337, 1217), (345, 1226), (366, 1253), (416, 1322), (433, 1373), (450, 1436), (488, 1514), (625, 1787), (792, 2054), (794, 2057), (1031, 2357), (1060, 2387), (1086, 2432),

Gene: Cerasum_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Cerasum_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: ChamoyPickle_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for ChamoyPickle_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: Chance64_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Chance64_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Chancellor_9 Start: 2478, Stop: 3920, Start Num: 167

Candidate Starts for Chancellor_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3909), (1056, 3915),

Gene: Charbie_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for Charbie_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (590, 1857), (601, 1872), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (803, 2211), (862, 2274), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: Charlie_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Charlie_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Chaser_4 Start: 816, Stop: 2378, Start Num: 74

Candidate Starts for Chaser_4:

(Start: 74 @816 has 76 MA's), (Start: 78 @822 has 19 MA's), (199, 972), (Start: 234 @1038 has 4 MA's), (266, 1068), (281, 1092), (285, 1104), (296, 1149), (360, 1275), (433, 1413), (447, 1458), (488, 1533), (515, 1581), (566, 1659), (576, 1680), (591, 1704), (595, 1710), (614, 1740), (616, 1746), (637, 1782), (688, 1839), (709, 1872), (755, 1977), (760, 1986), (787, 2010), (801, 2031), (846, 2097), (913, 2199), (1017, 2319), (1021, 2325), (1040, 2346), (1055, 2370),

Gene: Chatham_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Chatham_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Chavito_8 Start: 1661, Stop: 3091, Start Num: 167

Candidate Starts for Chavito_8:

(Start: 108 @1619 has 144 MA's), (Start: 167 @1661 has 168 MA's), (Start: 215 @1751 has 1 MA's), (Start: 229 @1775 has 18 MA's), (233, 1781), (254, 1820), (279, 1859), (283, 1868), (285, 1874), (295, 1916), (302, 1934), (315, 1952), (333, 2003), (367, 2051), (387, 2078), (445, 2198), (447, 2207), (490, 2288), (539, 2336), (579, 2402), (609, 2450), (613, 2462), (631, 2492), (644, 2516), (661, 2543), (709, 2612), (726, 2654), (755, 2708), (794, 2747), (800, 2756), (843, 2819), (855, 2843), (935, 2933), (993, 3023), (999, 3029), (1029, 3062), (1052, 3080), (1056, 3086),

Gene: Che9c_2 Start: 500, Stop: 2047, Start Num: 166

Candidate Starts for Che9c_2:

(Start: 155 @488 has 8 MA's), (Start: 166 @500 has 1 MA's), (204, 566), (Start: 212 @584 has 10 MA's), (282, 677), (299, 740), (323, 785), (334, 818), (374, 881), (390, 914), (413, 950), (426, 989), (432, 1004), (445, 1043), (448, 1055), (452, 1073), (463, 1088), (488, 1127), (510, 1166), (570, 1268), (581, 1292), (681, 1454), (707, 1496), (720, 1535), (759, 1610), (783, 1640), (859, 1754), (920, 1844), (951, 1880), (961, 1895), (1005, 1961), (1011, 1970), (1014, 1976), (1022, 1988), (1032, 1997), (1054, 2024),

Gene: Che9d_3 Start: 673, Stop: 2193, Start Num: 154

Candidate Starts for Che9d_3:

(121, 661), (Start: 154 @673 has 85 MA's), (Start: 229 @799 has 18 MA's), (235, 808), (262, 853), (275, 883), (277, 886), (281, 892), (292, 937), (300, 961), (356, 1072), (368, 1090), (371, 1093), (387, 1117), (433, 1201), (445, 1237), (447, 1246), (449, 1258), (451, 1264), (460, 1279), (466, 1291), (482, 1318), (487, 1324), (491, 1330), (515, 1366), (520, 1375), (542, 1405), (555, 1435), (556, 1438), (610, 1534), (613, 1543), (628, 1570), (685, 1654), (701, 1669), (755, 1780), (760, 1789), (769, 1798), (821, 1861), (868, 1936), (873, 1948), (890, 1966), (932, 2002), (962, 2044), (966, 2050), (993, 2092), (1004, 2104), (1012, 2116), (1071, 2182),

Gene: CheeseDanish_4 Start: 607, Stop: 2163, Start Num: 74

Candidate Starts for CheeseDanish_4:

(Start: 74 @607 has 76 MA's), (Start: 84 @619 has 6 MA's), (Start: 125 @658 has 6 MA's), (Start: 162 @700 has 1 MA's), (165, 703), (187, 730), (219, 811), (226, 820), (241, 847), (278, 901), (283, 907), (294, 952), (331, 1027), (332, 1030), (334, 1036), (336, 1042), (337, 1045), (349, 1063), (453, 1273), (527, 1387), (529, 1390), (546, 1417), (549, 1420), (561, 1444), (565, 1453), (604, 1504), (614, 1525), (651, 1597), (670, 1621), (709, 1672), (714, 1687), (718, 1699), (738, 1744), (746, 1756), (862, 1948), (865, 1954), (976, 2101), (981, 2110), (987, 2119),

Gene: CheeseSpider_2 Start: 352, Stop: 1959, Start Num: 120

Candidate Starts for CheeseSpider_2:

(Start: 102 @334 has 55 MA's), (Start: 120 @352 has 2 MA's), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (285, 601), (291, 631), (299, 655), (315, 691), (329, 727), (333, 739), (346, 769), (360, 781), (362, 784), (450, 961), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (800, 1525), (823, 1558), (838, 1582), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (1078, 1942),

Gene: CheeseTouch_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for CheeseTouch_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868,

1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: Cheesecake_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Cheesecake_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: CheetoDust_8 Start: 1613, Stop: 3034, Start Num: 167

Candidate Starts for CheetoDust_8:

(88, 1541), (Start: 156 @1601 has 11 MA's), (Start: 167 @1613 has 168 MA's), (Start: 229 @1724 has 18 MA's), (233, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (333, 1952), (361, 1994), (367, 2000), (387, 2027), (388, 2030), (445, 2147), (447, 2156), (490, 2237), (579, 2351), (609, 2399), (613, 2411), (631, 2441), (644, 2465), (651, 2477), (707, 2555), (709, 2561), (800, 2705), (823, 2738), (855, 2792), (993, 2969), (1052, 3023),

Gene: Cheetobro_9 Start: 2478, Stop: 3920, Start Num: 167

Candidate Starts for Cheetobro_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3909), (1056, 3915),

Gene: Cherrybomb426_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Cherrybomb426_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Chestnut_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Chestnut_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: ChewChew_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for ChewChew_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Chewbacca_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Chewbacca_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Chickaboom_2 Start: 410, Stop: 1990, Start Num: 152

Candidate Starts for Chickaboom_2:

(67, 320), (Start: 85 @344 has 13 MA's), (Start: 152 @410 has 16 MA's), (Start: 212 @506 has 10 MA's), (217, 515), (285, 608), (294, 647), (299, 662), (450, 959), (454, 971), (455, 977), (476, 1019), (490, 1040), (521, 1100), (531, 1130), (534, 1139), (564, 1202), (693, 1418), (702, 1430), (731, 1496), (738, 1511), (755, 1541), (790, 1580), (796, 1589), (801, 1598), (863, 1688), (1017, 1898), (1082, 1979),

Gene: Chicken_3 Start: 749, Stop: 2329, Start Num: 152

Candidate Starts for Chicken_3:

(Start: 85 @689 has 13 MA's), (Start: 152 @749 has 16 MA's), (Start: 212 @845 has 10 MA's), (217, 854), (Start: 221 @863 has 1 MA's), (Start: 236 @884 has 15 MA's), (281, 935), (294, 986), (299, 1001), (326, 1046), (435, 1247), (450, 1298), (458, 1322), (476, 1358), (490, 1379), (521, 1439), (531, 1469), (534, 1478), (564, 1541), (687, 1751), (702, 1769), (731, 1835), (735, 1841), (738, 1850), (755, 1880), (790, 1919), (844, 1997), (872, 2042), (877, 2054), (967, 2168), (1017, 2237), (1021, 2243), (1031, 2255), (1041, 2264), (1082, 2318),

Gene: ChickenDinner_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for ChickenDinner_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: ChiliPepper_3 Start: 944, Stop: 2563, Start Num: 137

Candidate Starts for ChiliPepper_3:

(1, 410), (Start: 125 @938 has 6 MA's), (Start: 137 @944 has 81 MA's), (240, 1100), (293, 1190), (299, 1208), (307, 1223), (343, 1292), (360, 1313), (362, 1316), (374, 1334), (416, 1391), (433, 1442), (434, 1445), (450, 1505), (456, 1526), (471, 1553), (488, 1583), (668, 1922), (737, 2045), (958, 2360), (987, 2399), (1080, 2516),

Gene: Chipko_2 Start: 584, Stop: 2194, Start Num: 131

Candidate Starts for Chipko_2:

(Start: 131 @584 has 13 MA's), (255, 767), (315, 902), (333, 950), (383, 1022), (450, 1175), (468, 1217), (488, 1247), (541, 1352), (544, 1361), (583, 1442), (585, 1445), (602, 1463), (630, 1508), (651, 1541), (676, 1568), (715, 1646), (758, 1733), (782, 1757), (844, 1850), (846, 1853), (853, 1871), (904, 1955), (1025, 2129),

Gene: ChipsNGuac_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for ChipsNGuac_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: Cholula_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Cholula_5:

(Start: 79 @3127 has 76 MA's), (Start: 234 @3337 has 4 MA's), (281, 3391), (299, 3457), (310, 3481), (427, 3697), (432, 3712), (434, 3718), (450, 3778), (476, 3838), (533, 3937), (551, 3967), (559, 3982), (619, 4063), (665, 4141), (674, 4150), (707, 4186), (720, 4225), (735, 4258), (738, 4267), (753, 4294), (797, 4348), (829, 4390), (873, 4435), (883, 4456), (987, 4558), (1080, 4678),

Gene: Chop_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Chop_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Chridison_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Chridison_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (296, 750), (299, 759), (310, 783), (337, 837), (416, 966), (432, 1014), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (674, 1452), (720, 1527), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: Chris_7 Start: 1525, Stop: 2949, Start Num: 167

Candidate Starts for Chris_7:

(Start: 167 @1525 has 168 MA's), (204, 1591), (Start: 215 @1612 has 1 MA's), (Start: 229 @1636 has 18 MA's), (254, 1681), (279, 1720), (283, 1729), (295, 1777), (302, 1795), (315, 1813), (333, 1864), (387, 1939), (431, 2017), (445, 2059), (447, 2068), (490, 2149), (579, 2263), (606, 2305), (609, 2311), (613, 2323), (631, 2353), (661, 2404), (709, 2473), (726, 2515), (800, 2617), (821, 2647), (823, 2650), (846, 2686), (855, 2704), (876, 2737), (999, 2887), (1052, 2938),

Gene: Christian_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Christian_2:

(Start: 79 @426 has 76 MA's), (187, 549), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (860, 1710), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Chubbello_2 Start: 412, Stop: 2088, Start Num: 51

Candidate Starts for Chubbello_2:

(Start: 51 @412 has 50 MA's), (207, 628), (228, 667), (268, 724), (272, 730), (280, 748), (292, 793), (296, 805), (299, 814), (302, 820), (329, 877), (336, 898), (341, 910), (404, 1000), (476, 1189), (544, 1285), (558, 1315), (569, 1336), (676, 1489), (794, 1687), (800, 1696), (819, 1723), (846, 1765), (853, 1783), (904, 1867), (914, 1882), (1067, 2071),

Gene: ChutneyChips_4 Start: 816, Stop: 2378, Start Num: 74

Candidate Starts for ChutneyChips_4:

(Start: 74 @816 has 76 MA's), (Start: 78 @822 has 19 MA's), (199, 972), (Start: 234 @1038 has 4 MA's), (266, 1068), (281, 1092), (285, 1104), (360, 1275), (433, 1413), (447, 1458), (488, 1533), (515, 1581), (558, 1644), (566, 1659), (576, 1680), (591, 1704), (595, 1710), (614, 1740), (616, 1746), (637, 1782), (688, 1839), (709, 1872), (755, 1977), (760, 1986), (787, 2010), (801, 2031), (846, 2097), (913, 2199), (1017, 2319), (1021, 2325), (1040, 2346), (1055, 2370),

Gene: CicholasNage_4 Start: 1059, Stop: 2636, Start Num: 78

Candidate Starts for CicholasNage_4:

(Start: 74 @1053 has 76 MA's), (Start: 78 @1059 has 19 MA's), (206, 1230), (269, 1317), (281, 1335), (283, 1341), (291, 1377), (358, 1515), (360, 1518), (413, 1593), (431, 1647), (432, 1650), (433, 1653), (515, 1821), (554, 1875), (558, 1884), (566, 1899), (576, 1920), (603, 1959), (614, 1980), (616, 1986), (633, 2013), (663, 2055), (688, 2079), (704, 2097), (707, 2106), (709, 2112), (720, 2145), (735, 2178), (755, 2217), (758, 2223), (760, 2226), (801, 2271), (846, 2337), (875, 2388), (887, 2403), (893, 2412), (905, 2427), (907, 2430), (1000, 2532), (1017, 2559), (1055, 2610), (1057, 2613),

Gene: Ciel_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Ciel_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Clap_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Clap_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Clark_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Clark_3:

(Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (447, 1423), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Claus_4 Start: 1081, Stop: 2649, Start Num: 74

Candidate Starts for Claus_4:

(Start: 74 @1081 has 76 MA's), (Start: 78 @1087 has 19 MA's), (Start: 84 @1096 has 6 MA's), (90, 1105), (199, 1243), (269, 1345), (302, 1435), (350, 1540), (431, 1678), (433, 1684), (438, 1705), (447, 1729), (488, 1804), (515, 1852), (554, 1906), (566, 1930), (576, 1951), (591, 1975), (595, 1981), (614, 2011), (616, 2017), (637, 2053), (688, 2110), (704, 2128), (709, 2143), (739, 2221), (760, 2257), (769, 2266), (801, 2302), (846, 2368), (847, 2371), (893, 2443), (907, 2461), (913, 2470), (1040, 2617), (1055, 2641), (1057, 2644),

Gene: Clautastrophe_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Clautastrophe_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: Clayda5_2 Start: 593, Stop: 2155, Start Num: 137

Candidate Starts for Clayda5_2:

(Start: 137 @593 has 81 MA's), (Start: 211 @701 has 2 MA's), (240, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (369, 977), (416, 1040), (450, 1154), (476, 1214), (488, 1232), (606,

1460), (625, 1505), (715, 1643), (952, 1970), (1084, 2144), (1086, 2147),

Gene: CliffHanger_4 Start: 794, Stop: 2380, Start Num: 137

Candidate Starts for CliffHanger_4:

(Start: 137 @794 has 81 MA's), (203, 884), (217, 911), (240, 950), (299, 1058), (343, 1142), (375, 1187), (408, 1232), (433, 1292), (450, 1355), (488, 1433), (693, 1817), (709, 1835), (894, 2120), (949, 2189), (1041, 2309), (1086, 2372),

Gene: Clipper_8 Start: 1613, Stop: 3034, Start Num: 167

Candidate Starts for Clipper_8:

(88, 1541), (Start: 156 @1601 has 11 MA's), (Start: 167 @1613 has 168 MA's), (Start: 229 @1724 has 18 MA's), (233, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (333, 1952), (361, 1994), (367, 2000), (387, 2027), (388, 2030), (445, 2147), (447, 2156), (490, 2237), (579, 2351), (609, 2399), (613, 2411), (631, 2441), (644, 2465), (651, 2477), (707, 2555), (709, 2561), (800, 2705), (823, 2738), (855, 2792), (993, 2969), (1052, 3023),

Gene: Cloudyecho_2 Start: 353, Stop: 1939, Start Num: 77

Candidate Starts for Cloudyecho_2:

(Start: 77 @353 has 24 MA's), (Start: 156 @440 has 11 MA's), (Start: 178 @464 has 43 MA's), (Start: 196 @500 has 6 MA's), (204, 521), (Start: 215 @542 has 1 MA's), (295, 704), (315, 740), (336, 800), (433, 965), (445, 1001), (449, 1022), (464, 1052), (490, 1091), (495, 1100), (609, 1253), (709, 1427), (718, 1451), (800, 1577), (831, 1622), (919, 1736), (932, 1751), (993, 1844), (1012, 1868), (1024, 1886), (1054, 1931),

Gene: Clownery_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for Clownery_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (760, 2277), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Coco12_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Coco12_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: CocoCinnamon_5 Start: 1288, Stop: 2880, Start Num: 113

Candidate Starts for CocoCinnamon_5:

(Start: 110 @1285 has 45 MA's), (Start: 113 @1288 has 11 MA's), (282, 1504), (291, 1543), (293, 1549), (299, 1567), (302, 1573), (349, 1663), (387, 1720), (432, 1798), (434, 1804), (450, 1864), (483, 1936), (490, 1945), (496, 1954), (555, 2056), (561, 2068), (610, 2152), (627, 2191), (702, 2296), (735, 2368), (753, 2404), (794, 2476), (814, 2503), (840, 2542), (871, 2590), (1017, 2785), (1021, 2791), (1057, 2830), (1082, 2869), (1084, 2875),

Gene: Coeur_2 Start: 583, Stop: 1917, Start Num: 208

Candidate Starts for Coeur_2:

(Start: 169 @517 has 5 MA's), (Start: 208 @583 has 2 MA's), (Start: 221 @610 has 1 MA's), (282, 685), (285, 694), (290, 721), (291, 724), (295, 736), (302, 754), (333, 814), (336, 823), (337, 826), (448, 1027), (655, 1351), (694, 1399), (702, 1414), (716, 1438), (718, 1444), (721, 1453), (728, 1471), (793, 1561), (847, 1627), (877, 1672), (925, 1723), (967, 1768), (985, 1795), (1031, 1858), (1069, 1900),

Gene: Cole_4 Start: 1595, Stop: 3295, Start Num: 116

Candidate Starts for Cole_4:

(Start: 98 @1574 has 36 MA's), (Start: 116 @1595 has 19 MA's), (203, 1718), (Start: 212 @1739 has 10 MA's), (219, 1754), (240, 1787), (282, 1832), (283, 1835), (293, 1877), (296, 1886), (299, 1895), (300, 1898), (302, 1901), (319, 1922), (337, 1973), (375, 2024), (416, 2078), (434, 2132), (450, 2192), (476, 2252), (490, 2273), (585, 2504), (619, 2570), (625, 2585), (715, 2756), (735, 2804), (738, 2813), (762, 2855), (794, 2888), (823, 2927), (862, 2969), (947, 3059), (967, 3086), (970, 3089), (1017, 3158), (1075, 3236), (1092, 3284),

Gene: Coleslaw_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Coleslaw_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Collard_6 Start: 1324, Stop: 2751, Start Num: 175

Candidate Starts for Collard_6:

(Start: 175 @1324 has 25 MA's), (204, 1381), (Start: 215 @1402 has 1 MA's), (Start: 229 @1426 has 18 MA's), (279, 1510), (283, 1519), (285, 1525), (295, 1567), (302, 1585), (315, 1603), (333, 1654), (339, 1669), (387, 1729), (431, 1807), (445, 1849), (447, 1858), (448, 1861), (490, 1939), (579, 2053), (609, 2101), (631, 2143), (644, 2167), (651, 2179), (671, 2206), (705, 2251), (709, 2263), (794, 2410), (821, 2449), (855, 2506), (872, 2530), (890, 2554), (919, 2578), (989, 2677), (993, 2683), (1052, 2740),

Gene: Coltrane_2 Start: 593, Stop: 2155, Start Num: 137

Candidate Starts for Coltrane_2:

(Start: 137 @593 has 81 MA's), (Start: 211 @701 has 2 MA's), (240, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (369, 977), (416, 1040), (450, 1154), (476, 1214), (488, 1232), (606, 1460), (625, 1505), (715, 1643), (952, 1970), (1084, 2144), (1086, 2147),

Gene: Colusalem_3 Start: 849, Stop: 2330, Start Num: 212

Candidate Starts for Colusalem_3:

(Start: 85 @684 has 13 MA's), (Start: 212 @849 has 10 MA's), (Start: 236 @888 has 15 MA's), (281, 939), (285, 951), (293, 987), (299, 1005), (416, 1188), (450, 1302), (454, 1314), (476, 1362), (490, 1383), (500, 1398), (527, 1455), (702, 1770), (731, 1836), (755, 1881), (790, 1920), (797, 1932), (814, 1953), (844, 1998), (863, 2028), (884, 2073), (920, 2115), (947, 2142), (949, 2145), (1017, 2238), (1021, 2244), (1041, 2265), (1053, 2277), (1080, 2316), (1082, 2319),

Gene: Concrete_3 Start: 1125, Stop: 2585, Start Num: 108

Candidate Starts for Concrete_3:

(Start: 108 @1125 has 144 MA's), (Start: 114 @1131 has 2 MA's), (Start: 236 @1293 has 15 MA's), (240, 1302), (282, 1362), (303, 1431), (319, 1452), (337, 1503), (449, 1707), (550, 1842), (590, 1920), (601, 1935), (619, 1971), (642, 2013), (664, 2046), (679, 2064), (737, 2184), (738, 2187), (746, 2199), (803, 2274), (862, 2337), (872, 2355), (873, 2358), (1010, 2520), (1015, 2529), (1053, 2577),

Gene: Copper_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Copper_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Coral_3 Start: 684, Stop: 2330, Start Num: 85

Candidate Starts for Coral_3:

(Start: 85 @684 has 13 MA's), (Start: 212 @849 has 10 MA's), (Start: 236 @888 has 15 MA's), (281, 939), (285, 951), (293, 987), (299, 1005), (416, 1188), (450, 1302), (454, 1314), (455, 1320), (476, 1362), (490, 1383), (500, 1398), (527, 1455), (702, 1770), (731, 1836), (755, 1881), (790, 1920), (797, 1932), (814, 1953), (844, 1998), (863, 2028), (884, 2073), (920, 2115), (947, 2142), (949, 2145), (1017, 2238), (1021, 2244), (1041, 2265), (1053, 2277), (1080, 2316), (1082, 2319),

Gene: Corgi_4 Start: 607, Stop: 2163, Start Num: 74

Candidate Starts for Corgi_4:

(Start: 74 @607 has 76 MA's), (Start: 84 @619 has 6 MA's), (Start: 125 @658 has 6 MA's), (Start: 162 @700 has 1 MA's), (165, 703), (187, 730), (219, 811), (226, 820), (241, 847), (278, 901), (283, 907), (294, 952), (331, 1027), (332, 1030), (334, 1036), (336, 1042), (337, 1045), (349, 1063), (453, 1273), (527, 1387), (529, 1390), (546, 1417), (549, 1420), (561, 1444), (565, 1453), (604, 1504), (614, 1525), (651, 1597), (670, 1621), (709, 1672), (714, 1687), (718, 1699), (738, 1744), (746, 1756), (862, 1948), (865, 1954), (976, 2101), (981, 2110), (987, 2119),

Gene: Coriander_2 Start: 586, Stop: 2193, Start Num: 131

Candidate Starts for Coriander_2:

(Start: 131 @586 has 13 MA's), (255, 769), (302, 886), (315, 904), (333, 952), (383, 1024), (450, 1177), (468, 1219), (528, 1312), (541, 1354), (544, 1363), (569, 1414), (583, 1444), (585, 1447), (630, 1510), (651, 1543), (676, 1570), (715, 1648), (758, 1735), (782, 1759), (844, 1852), (846, 1855), (853, 1873), (904, 1957),

Gene: Corndog_32 Start: 13529, Stop: 15040, Start Num: 78

Candidate Starts for Corndog_32:

(Start: 76 @13526 has 17 MA's), (Start: 78 @13529 has 19 MA's), (Start: 215 @13709 has 1 MA's), (269, 13802), (294, 13877), (310, 13910), (323, 13937), (333, 13967), (431, 14120), (433, 14126), (445, 14162), (447, 14171), (490, 14252), (495, 14261), (497, 14264), (540, 14303), (576, 14360), (596, 14396), (601, 14399), (706, 14555), (709, 14564), (737, 14633), (741, 14642), (746, 14648), (769, 14681), (800, 14717), (855, 14804), (871, 14825), (932, 14888), (935, 14891), (938, 14894), (947, 14912), (963, 14933), (993, 14975), (1026, 15011), (1047, 15023),

Gene: Cornucopia_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Cornucopia_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (275, 882), (277, 885), (281, 891), (283, 897), (292, 936), (295, 945), (315, 981), (330, 1023), (356, 1071), (368, 1089), (371, 1092), (415, 1143), (433, 1200), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103),

Gene: Cosmo_26 Start: 8131, Stop: 9744, Start Num: 84

Candidate Starts for Cosmo_26:

(Start: 84 @8131 has 6 MA's), (206, 8281), (214, 8299), (Start: 234 @8332 has 4 MA's), (250, 8344), (284, 8395), (285, 8398), (297, 8446), (299, 8452), (320, 8491), (322, 8494), (333, 8527), (376, 8596), (419, 8662), (423, 8680), (431, 8704), (433, 8710), (477, 8815), (504, 8857), (514, 8875), (517, 8884), (647, 9088), (650, 9094), (675, 9127), (755, 9292), (760, 9301), (767, 9307), (769, 9310), (821, 9385), (843, 9418), (850, 9433), (905, 9514), (1017, 9667), (1035, 9688), (1037, 9691),

Gene: Cota_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Cota_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (678, 1314), (704, 1356), (718, 1398), (755, 1467), (769, 1485), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (862, 1602), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1004, 1806), (1021, 1827), (1058, 1875), (1063, 1881),

Gene: Cote_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Cote_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Courthouse_10 Start: 3708, Stop: 5240, Start Num: 163

Candidate Starts for Courthouse_10:

(126, 3666), (135, 3675), (Start: 163 @3708 has 17 MA's), (232, 3822), (268, 3885), (284, 3918), (296, 3966), (330, 4041), (346, 4077), (413, 4152), (415, 4155), (426, 4191), (436, 4224), (581, 4473), (616, 4536), (630, 4563), (719, 4722), (735, 4758), (753, 4788), (758, 4797), (809, 4851), (826, 4875), (1011, 5109), (1018, 5121),

Gene: Courtney3_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Courtney3_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Cracklewink_9 Start: 4723, Stop: 6342, Start Num: 75

Candidate Starts for Cracklewink_9:

(Start: 75 @4723 has 5 MA's), (172, 4831), (Start: 234 @4942 has 4 MA's), (318, 5119), (319, 5122), (345, 5182), (387, 5248), (388, 5251), (427, 5311), (429, 5317), (475, 5449), (476, 5452), (494, 5479), (578, 5581), (611, 5650), (616, 5662), (636, 5698), (640, 5707), (648, 5722), (651, 5728), (697, 5785), (709, 5803), (720, 5836), (728, 5860), (735, 5869), (738, 5878), (781, 5947), (827, 6016), (830, 6019), (852, 6061), (897, 6139), (956, 6169), (986, 6211), (1016, 6253), (1028, 6268),

Gene: Crespo_2 Start: 456, Stop: 1892, Start Num: 178

Candidate Starts for Crespo_2:

(Start: 77 @360 has 24 MA's), (Start: 178 @456 has 43 MA's), (Start: 179 @459 has 5 MA's), (Start: 197 @495 has 1 MA's), (Start: 215 @534 has 1 MA's), (295, 696), (333, 783), (336, 792), (346, 810), (359, 822), (433, 942), (445, 978), (449, 999), (460, 1020), (490, 1068), (495, 1077), (609, 1230), (641, 1290), (652, 1308), (694, 1359), (709, 1386), (715, 1401), (716, 1404), (760, 1485), (796, 1530), (846, 1605), (855, 1623), (870, 1644), (915, 1689), (930, 1707), (932, 1710), (993, 1803), (1054, 1884),

Gene: CrimD_8 Start: 1562, Stop: 2983, Start Num: 167

Candidate Starts for CrimD_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (333, 1901), (361, 1943), (367, 1949), (387, 1976), (388, 1979), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (707, 2504), (709, 2510), (800, 2654), (823, 2687), (855, 2741), (993, 2918), (1052, 2972),

Gene: CristinaYang_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for CristinaYang_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: CroZenni_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for CroZenni_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (343, 1037), (362, 1061), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

Gene: Crossroads_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Crossroads_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Cubone_1 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Cubone_1:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: CupcakePrincess_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for CupcakePrincess_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Curiosium_9 Start: 1962, Stop: 3389, Start Num: 167

Candidate Starts for Curiosium_9:

(Start: 79 @1878 has 76 MA's), (Start: 117 @1929 has 7 MA's), (Start: 156 @1950 has 11 MA's), (Start: 167 @1962 has 168 MA's), (Start: 229 @2073 has 18 MA's), (233, 2079), (254, 2118), (279, 2157), (283, 2166), (285, 2172), (295, 2214), (302, 2232), (315, 2250), (333, 2301), (387, 2376), (388, 2379), (445, 2496), (447, 2505), (539, 2634), (579, 2700), (609, 2748), (613, 2760), (631, 2790), (644, 2814), (648, 2820), (709, 2910), (760, 3012), (797, 3051), (800, 3054), (823, 3087), (846, 3123), (855, 3141), (935, 3228), (993, 3318), (1052, 3378), (1056, 3384),

Gene: CurlyFries_6 Start: 3359, Stop: 4903, Start Num: 148

Candidate Starts for CurlyFries_6:

(Start: 148 @3359 has 6 MA's), (285, 3599), (335, 3734), (434, 3890), (436, 3902), (438, 3908), (448, 3935), (449, 3944), (467, 3986), (616, 4223), (664, 4298), (719, 4403), (903, 4676), (951, 4742), (985, 4793), (1022, 4841), (1045, 4862),

Gene: Cygnet_3 Start: 691, Stop: 2325, Start Num: 85

Candidate Starts for Cygnet_3:

(83, 688), (Start: 85 @691 has 13 MA's), (Start: 236 @889 has 15 MA's), (281, 940), (285, 952), (293, 988), (299, 1006), (302, 1012), (310, 1030), (416, 1189), (450, 1303), (476, 1363), (490, 1384), (500, 1399), (527, 1456), (585, 1582), (619, 1642), (668, 1723), (679, 1738), (693, 1759), (738, 1852), (755, 1882), (790, 1921), (796, 1930), (814, 1954), (840, 1993), (844, 1999), (914, 2101), (920, 2110), (925, 2116), (947, 2137), (949, 2140), (967, 2164), (1015, 2230), (1017, 2233), (1082, 2314),

Gene: Cynthia_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Cynthia_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: CyranoPS_2 Start: 351, Stop: 1808, Start Num: 95

Candidate Starts for CyranoPS_2:

(Start: 95 @351 has 2 MA's), (101, 360), (107, 366), (336, 699), (348, 717), (431, 849), (448, 903), (478, 966), (589, 1119), (626, 1191), (656, 1239), (693, 1287), (726, 1350), (728, 1359), (797, 1461), (839, 1518), (877, 1569), (883, 1581), (1031, 1755), (1041, 1764), (1069, 1797),

Gene: DHan_4 Start: 1011, Stop: 2585, Start Num: 74

Candidate Starts for DHan_4:

(Start: 74 @1011 has 76 MA's), (Start: 78 @1017 has 19 MA's), (Start: 84 @1026 has 6 MA's), (199, 1173), (269, 1275), (283, 1299), (350, 1470), (360, 1476), (431, 1614), (433, 1620), (438, 1641), (447, 1665), (488, 1740), (515, 1788), (554, 1842), (566, 1866), (591, 1911), (595, 1917), (614, 1947), (616, 1953), (637, 1989), (688, 2046), (704, 2064), (709, 2079), (739, 2157), (760, 2193), (769, 2202), (801, 2238), (846, 2304), (893, 2379), (907, 2397), (913, 2406), (1040, 2553), (1055, 2577), (1057, 2580),

Gene: DMoney_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for DMoney_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: DNAIII_002 Start: 368, Stop: 1900, Start Num: 77

Candidate Starts for DNAIII_002:

(Start: 77 @368 has 24 MA's), (Start: 178 @464 has 43 MA's), (Start: 179 @467 has 5 MA's), (Start: 197 @503 has 1 MA's), (Start: 215 @542 has 1 MA's), (295, 704), (333, 791), (336, 800), (346, 818), (359, 830), (433, 950), (445, 986), (449, 1007), (460, 1028), (490, 1076), (495, 1085), (609, 1238), (641, 1298), (652, 1316), (694, 1367), (709, 1394), (715, 1409), (716, 1412), (760, 1493), (796, 1538), (846, 1613), (855, 1631), (870, 1652), (915, 1697), (930, 1715), (932, 1718), (993, 1811), (1054, 1892),

Gene: DaWorst_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for DaWorst_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Dadosky_6 Start: 1349, Stop: 2776, Start Num: 175

Candidate Starts for Dadosky_6:

(Start: 175 @1349 has 25 MA's), (204, 1406), (Start: 215 @1427 has 1 MA's), (Start: 229 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (333, 1679), (359, 1718), (387, 1754), (415, 1781), (431, 1832), (445, 1874), (447, 1883), (448, 1886), (490, 1964), (579, 2078), (609, 2126), (613, 2138), (631, 2168), (651, 2204), (671, 2231), (709, 2288), (741, 2372), (755, 2396), (821, 2474), (855, 2531), (872, 2555), (890, 2579), (993, 2708), (1052, 2765),

Gene: Daegal_6 Start: 2134, Stop: 3768, Start Num: 69

Candidate Starts for Daegal_6:

(Start: 69 @2134 has 20 MA's), (Start: 97 @2173 has 3 MA's), (Start: 154 @2221 has 85 MA's), (257, 2392), (280, 2431), (358, 2611), (365, 2620), (369, 2629), (413, 2692), (417, 2698), (442, 2782), (443, 2785), (445, 2788), (488, 2884), (490, 2887), (495, 2896), (536, 2962), (558, 2992), (571, 3019), (588, 3052), (606, 3073), (608, 3076), (676, 3172), (691, 3193), (730, 3283), (757, 3325), (772, 3343), (779, 3349), (823, 3412), (826, 3418), (829, 3421), (853, 3466), (858, 3472), (875, 3499), (881, 3514), (914, 3565), (920, 3574), (933, 3589), (936, 3592), (959, 3631), (971, 3646), (980, 3661), (982, 3664), (1061, 3742), (1066, 3748),

Gene: DaftyDuck_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for DaftyDuck_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Daiboju_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Daiboju_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (755, 1598), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: Dalmuri_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Dalmuri_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423),

(613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Damocles_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Damocles_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: DanBing_3 Start: 907, Stop: 2469, Start Num: 78

Candidate Starts for DanBing_3:

(Start: 74 @901 has 76 MA's), (Start: 78 @907 has 19 MA's), (Start: 84 @916 has 6 MA's), (199, 1063), (269, 1165), (302, 1255), (350, 1360), (431, 1498), (433, 1504), (438, 1525), (447, 1549), (488, 1624), (515, 1672), (554, 1726), (566, 1750), (576, 1771), (591, 1795), (595, 1801), (614, 1831), (616, 1837), (637, 1873), (688, 1930), (704, 1948), (709, 1963), (738, 2038), (739, 2041), (760, 2077), (769, 2086), (801, 2122), (846, 2188), (893, 2263), (907, 2281), (913, 2290), (1040, 2437), (1055, 2461), (1057, 2464),

Gene: DanHam62_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for DanHam62_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: DanSyl44_9 Start: 2583, Stop: 3923, Start Num: 229

Candidate Starts for DanSyl44_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (445, 3012), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3912), (1056, 3918),

Gene: Danimal_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Danimal_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Danno_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Danno_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Daob_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Daob_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (455, 1484), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (755, 2045), (790, 2084), (797, 2096), (814, 2117), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Dardanus_9 Start: 3554, Stop: 5239, Start Num: 52

Candidate Starts for Dardanus_9:

(Start: 52 @3554 has 3 MA's), (146, 3656), (293, 3896), (302, 3920), (319, 3941), (326, 3959), (333, 3980), (392, 4076), (416, 4124), (432, 4172), (434, 4178), (447, 4223), (458, 4262), (460, 4265), (461, 4268), (475, 4295), (564, 4403), (619, 4505), (700, 4637), (737, 4742), (781, 4808), (823, 4859), (835, 4877), (902, 4997), (933, 5030), (970, 5072), (992, 5105), (1031, 5156), (1084, 5225), (1087, 5231),

Gene: Darionha_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Darionha_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: DartGoblin_8 Start: 1545, Stop: 2966, Start Num: 167

Candidate Starts for DartGoblin_8:

(88, 1473), (Start: 117 @1512 has 7 MA's), (Start: 156 @1533 has 11 MA's), (Start: 167 @1545 has 168 MA's), (Start: 229 @1656 has 18 MA's), (233, 1662), (279, 1740), (283, 1749), (295, 1797), (302, 1815), (333, 1884), (361, 1926), (367, 1932), (387, 1959), (445, 2079), (447, 2088), (490, 2169), (501, 2187), (579, 2283), (609, 2331), (613, 2343), (631, 2373), (644, 2397), (651, 2409), (707, 2487), (709, 2493), (800, 2637), (823, 2670), (855, 2724), (993, 2901), (1052, 2955),

Gene: DarthP_7 Start: 1387, Stop: 2811, Start Num: 167

Candidate Starts for DarthP_7:

(Start: 156 @1375 has 11 MA's), (Start: 167 @1387 has 168 MA's), (Start: 215 @1474 has 1 MA's), (Start: 229 @1498 has 18 MA's), (279, 1582), (283, 1591), (295, 1639), (302, 1657), (315, 1675), (333, 1726), (367, 1774), (445, 1921), (447, 1930), (448, 1933), (460, 1963), (490, 2011), (579, 2125), (613, 2185), (631, 2215), (661, 2266), (680, 2287), (709, 2335), (726, 2377), (741, 2407), (800, 2479), (855, 2566), (993, 2743), (1052, 2800), (1056, 2806),

Gene: Dartin_8 Start: 1660, Stop: 3090, Start Num: 167

Candidate Starts for Dartin_8:

(Start: 108 @1618 has 144 MA's), (Start: 156 @1648 has 11 MA's), (Start: 167 @1660 has 168 MA's), (Start: 215 @1750 has 1 MA's), (Start: 229 @1774 has 18 MA's), (233, 1780), (254, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (333, 2002), (367, 2050), (445, 2197), (447, 2206), (539, 2335), (579, 2401), (606, 2443), (609, 2449), (613, 2461), (631, 2491), (644, 2515), (661, 2542), (709, 2611), (726, 2653), (741, 2683), (755, 2707), (800, 2755), (843, 2818), (855, 2842), (890, 2893), (935, 2932), (993, 3022), (1029, 3061), (1052, 3079), (1056, 3085),

Gene: DearBasketball_2 Start: 512, Stop: 2101, Start Num: 113

Candidate Starts for DearBasketball_2:

(Start: 113 @512 has 11 MA's), (217, 647), (219, 653), (243, 695), (283, 734), (291, 770), (310, 818), (343, 878), (374, 920), (375, 923), (387, 947), (388, 950), (416, 977), (435, 1040), (456, 1112), (473, 1142), (475, 1148), (476, 1151), (477, 1154), (619, 1418), (625, 1433), (627, 1436), (636, 1448), (677, 1508), (709, 1553), (715, 1571), (728, 1610), (797, 1703), (814, 1724), (821, 1733), (860, 1793), (873, 1817), (890, 1853), (952, 1925), (1021, 2018), (1038, 2036), (1082, 2090),

Gene: Deby_8 Start: 1575, Stop: 2996, Start Num: 167

Candidate Starts for Deby_8:

(88, 1503), (Start: 156 @1563 has 11 MA's), (Start: 167 @1575 has 168 MA's), (Start: 229 @1686 has 18 MA's), (233, 1692), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (333, 1914), (361, 1956), (367, 1962), (445, 2109), (447, 2118), (501, 2217), (579, 2313), (609, 2361), (613, 2373), (631, 2403), (644, 2427), (651, 2439), (661, 2454), (709, 2523), (800, 2667), (855, 2754), (993, 2931), (1052, 2985),

Gene: Decurro_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Decurro_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (248, 992), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: DeepSoil15_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for DeepSoil15_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: DelRio_6 Start: 2230, Stop: 3660, Start Num: 236

Candidate Starts for DelRio_6:

(44, 1960), (Start: 120 @2062 has 2 MA's), (Start: 122 @2065 has 3 MA's), (Start: 125 @2068 has 6 MA's), (Start: 131 @2074 has 13 MA's), (Start: 236 @2230 has 15 MA's), (244, 2248), (299, 2371), (310, 2389), (327, 2428), (330, 2437), (386, 2521), (433, 2605), (437, 2620), (448, 2653), (476, 2719), (518, 2788), (547, 2851), (652, 3040), (666, 3052), (704, 3100), (741, 3193), (782, 3244), (797, 3268), (800, 3271), (819, 3298), (853, 3358), (875, 3391), (881, 3406), (904, 3442), (936, 3484), (951, 3511), (980, 3547), (984, 3553), (1021, 3592),

Gene: Delian_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Delian_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Demsculpinboyz_3 Start: 664, Stop: 2184, Start Num: 154

Candidate Starts for Demsculpinboyz_3:

(121, 652), (Start: 154 @664 has 85 MA's), (Start: 229 @790 has 18 MA's), (235, 799), (262, 844), (275, 874), (277, 877), (281, 883), (292, 928), (300, 952), (356, 1063), (368, 1081), (371, 1084), (387, 1108), (433, 1192), (445, 1228), (447, 1237), (449, 1249), (451, 1255), (460, 1270), (466, 1282), (482, 1309), (487, 1315), (491, 1321), (515, 1357), (520, 1366), (542, 1396), (555, 1426), (556, 1429), (610, 1525), (613, 1534), (628, 1561), (685, 1645), (701, 1660), (755, 1771), (760, 1780), (769, 1789), (868, 1927), (873, 1939), (890, 1957), (932, 1993), (962, 2035), (966, 2041), (993, 2083), (1004, 2095),

(1012, 2107), (1071, 2173),

Gene: Denise_2 Start: 318, Stop: 1895, Start Num: 102

Candidate Starts for Denise_2:

(92, 300), (Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (358, 753), (413, 816), (415, 819), (426, 855), (445, 912), (450, 936), (468, 978), (488, 1008), (507, 1038), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (642, 1251), (676, 1293), (689, 1314), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (779, 1476), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1878),

Gene: Devera_8 Start: 1604, Stop: 3025, Start Num: 167

Candidate Starts for Devera_8:

(88, 1532), (Start: 156 @1592 has 11 MA's), (Start: 167 @1604 has 168 MA's), (Start: 229 @1715 has 18 MA's), (233, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (333, 1943), (361, 1985), (367, 1991), (387, 2018), (388, 2021), (431, 2096), (445, 2138), (447, 2147), (490, 2228), (579, 2342), (609, 2390), (613, 2402), (631, 2432), (644, 2456), (651, 2468), (661, 2483), (709, 2552), (723, 2591), (800, 2696), (823, 2729), (855, 2783), (993, 2960), (1052, 3014),

Gene: Dewayne_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Dewayne_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Dewey_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Dewey_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: DickRichards_3 Start: 1160, Stop: 2782, Start Num: 137

Candidate Starts for DickRichards_3:

(Start: 137 @1160 has 81 MA's), (240, 1316), (299, 1424), (307, 1439), (326, 1469), (334, 1493), (343, 1508), (367, 1541), (416, 1607), (433, 1658), (434, 1661), (450, 1721), (488, 1799), (731, 2249), (738, 2264), (987, 2615), (1021, 2663), (1092, 2771),

Gene: Didgeridoo_4 Start: 944, Stop: 2572, Start Num: 137

Candidate Starts for Didgeridoo_4:

(Start: 137 @944 has 81 MA's), (240, 1100), (299, 1208), (326, 1253), (343, 1292), (374, 1334), (416, 1391), (433, 1442), (434, 1445), (450, 1505), (455, 1523), (471, 1553), (488, 1583), (731, 2039), (738, 2054), (814, 2156), (987, 2405), (1021, 2453), (1047, 2477), (1080, 2522),

Gene: Diminimus_15 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for Diminimus_15:

(Start: 98 @4718 has 36 MA's), (141, 4766), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: Dina_2 Start: 371, Stop: 1957, Start Num: 125

Candidate Starts for Dina_2:

(Start: 125 @371 has 6 MA's), (Start: 128 @374 has 39 MA's), (Start: 138 @380 has 1 MA's), (245, 551), (281, 629), (284, 638), (367, 812), (429, 914), (431, 920), (434, 929), (435, 938), (453, 998), (475, 1046), (476, 1049), (545, 1112), (592, 1205), (627, 1271), (722, 1427), (729, 1445), (756, 1490), (776, 1532), (802, 1568), (814, 1583), (832, 1610), (834, 1613), (844, 1628), (866, 1661), (873, 1676), (899, 1724), (937, 1754), (953, 1772), (1006, 1847), (1067, 1922), (1081, 1946),

Gene: DingDing_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for DingDing_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Dino_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Dino_5:

(Start: 79 @3082 has 76 MA's), (Start: 234 @3292 has 4 MA's), (281, 3346), (296, 3403), (299, 3412), (427, 3652), (432, 3667), (434, 3673), (450, 3733), (476, 3793), (533, 3892), (551, 3922), (559, 3937), (619, 4018), (665, 4096), (674, 4105), (707, 4141), (720, 4180), (735, 4213), (738, 4222), (753, 4249), (797, 4303), (829, 4345), (873, 4390), (883, 4411), (896, 4435), (987, 4513), (1080, 4633),

Gene: DinoDaryn_9 Start: 3697, Stop: 5304, Start Num: 111

Candidate Starts for DinoDaryn_9:

(Start: 52 @3619 has 3 MA's), (Start: 111 @3697 has 6 MA's), (283, 3925), (293, 3967), (326, 4030), (333, 4051), (416, 4189), (434, 4243), (458, 4327), (460, 4330), (461, 4333), (476, 4363), (619, 4570), (695, 4693), (725, 4780), (731, 4795), (738, 4810), (781, 4873), (835, 4942), (860, 4984), (901, 5059), (902, 5062), (933, 5095), (987, 5161), (1024, 5212), (1084, 5290), (1087, 5296),

Gene: DinoNuggs_3 Start: 640, Stop: 2217, Start Num: 113

Candidate Starts for DinoNuggs_3:

(47, 547), (Start: 113 @640 has 11 MA's), (243, 823), (283, 862), (285, 868), (291, 898), (343, 1006), (387, 1075), (416, 1105), (435, 1168), (456, 1240), (473, 1270), (475, 1276), (476, 1279), (610, 1525), (619, 1546), (625, 1561), (627, 1564), (636, 1576), (677, 1636), (709, 1681), (715, 1699), (718, 1708), (728, 1738), (797, 1831), (814, 1852), (821, 1861), (860, 1921), (952, 2041), (1021, 2134), (1038, 2152), (1082, 2206),

Gene: DirkDirk_4 Start: 1053, Stop: 2636, Start Num: 74

Candidate Starts for DirkDirk_4:

(Start: 74 @1053 has 76 MA's), (Start: 78 @1059 has 19 MA's), (206, 1230), (269, 1317), (281, 1335), (283, 1341), (291, 1377), (358, 1515), (360, 1518), (413, 1593), (432, 1650), (433, 1653), (515, 1821), (554, 1875), (558, 1884), (566, 1899), (576, 1920), (603, 1959), (614, 1980), (616, 1986), (633, 2013), (663, 2055), (688, 2079), (704, 2097), (707, 2106), (709, 2112), (720, 2145), (735, 2178), (755, 2217), (758, 2223), (760, 2226), (801, 2271), (846, 2337), (875, 2388), (893, 2412), (905, 2427), (907, 2430), (1000, 2532), (1017, 2559), (1055, 2610), (1057, 2613),

Gene: DirtMcgirt_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for DirtMcgirt_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102),

Gene: DirtPie_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for DirtPie_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (590, 1974), (601, 1989), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (803, 2328), (862, 2391), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Dirdigger_5 Start: 1850, Stop: 3547, Start Num: 116

Candidate Starts for Dirdigger_5:

(70, 1787), (Start: 116 @1850 has 19 MA's), (203, 1970), (Start: 212 @1991 has 10 MA's), (219, 2006), (240, 2039), (281, 2081), (282, 2084), (293, 2129), (299, 2147), (300, 2150), (302, 2153), (326, 2192), (337, 2225), (374, 2273), (375, 2276), (416, 2330), (450, 2444), (475, 2501), (476, 2504), (490, 2525), (525, 2600), (619, 2822), (625, 2837), (668, 2903), (674, 2909), (678, 2915), (704, 2975), (707, 2984), (715, 3008), (728, 3047), (738, 3065), (762, 3107), (794, 3140), (823, 3179), (862, 3221), (883, 3263), (967, 3338), (974, 3347), (1010, 3398), (1017, 3410), (1055, 3452), (1092, 3536),

Gene: Dirtfootball_2 Start: 516, Stop: 1868, Start Num: 212

Candidate Starts for Dirtfootball_2:

(66, 351), (89, 384), (Start: 117 @417 has 7 MA's), (Start: 169 @438 has 5 MA's), (Start: 212 @516 has 10 MA's), (Start: 221 @534 has 1 MA's), (283, 612), (285, 618), (290, 645), (296, 663), (302, 678), (336, 744), (363, 777), (377, 798), (395, 834), (450, 975), (470, 1008), (545, 1089), (574, 1146), (689, 1332), (693, 1338), (715, 1377), (717, 1383), (726, 1401), (773, 1476), (795, 1503), (820, 1536), (860, 1593), (949, 1689), (961, 1701), (1069, 1842),

Gene: DirtyBoi_2 Start: 586, Stop: 2196, Start Num: 131

Candidate Starts for DirtyBoi_2:

(Start: 131 @586 has 13 MA's), (255, 769), (273, 802), (315, 904), (333, 952), (383, 1024), (450, 1177), (468, 1219), (488, 1249), (528, 1312), (541, 1354), (544, 1363), (583, 1444), (585, 1447), (602, 1465), (630, 1510), (651, 1543), (676, 1570), (715, 1648), (758, 1735), (782, 1759), (844, 1852), (846, 1855), (853, 1873), (904, 1957),

Gene: DirtyBubble_3 Start: 957, Stop: 2582, Start Num: 137

Candidate Starts for DirtyBubble_3:

(Start: 137 @957 has 81 MA's), (240, 1113), (285, 1167), (299, 1221), (307, 1236), (343, 1305), (375, 1350), (416, 1404), (433, 1455), (434, 1458), (450, 1518), (455, 1536), (456, 1539), (471, 1566), (488, 1596), (564, 1758), (694, 1974), (731, 2049), (737, 2061), (987, 2415), (1021, 2463),

Gene: DismalFunk_4 Start: 652, Stop: 2076, Start Num: 167

Candidate Starts for DismalFunk_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (387, 1057), (432, 1138), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (705, 1576), (709, 1588), (726, 1630), (741, 1660), (757, 1687), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (1052, 2065),

Gene: DismalStressor_4 Start: 652, Stop: 2076, Start Num: 167

Candidate Starts for DismalStressor_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (387, 1057), (432, 1138), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (705, 1576), (709, 1588), (726, 1630), (741, 1660), (757, 1687), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (1052, 2065),

Gene: Dismas_3 Start: 938, Stop: 2563, Start Num: 125

Candidate Starts for Dismas_3:

(Start: 125 @938 has 6 MA's), (Start: 137 @944 has 81 MA's), (240, 1100), (293, 1190), (299, 1208), (307, 1223), (343, 1292), (362, 1316), (374, 1334), (416, 1391), (433, 1442), (434, 1445), (450, 1505), (456, 1526), (471, 1553), (488, 1583), (668, 1922), (737, 2045), (958, 2360), (987, 2399), (1080, 2516),

Gene: Dmitri_2 Start: 586, Stop: 2193, Start Num: 131

Candidate Starts for Dmitri_2:

(Start: 131 @586 has 13 MA's), (255, 769), (302, 886), (315, 904), (333, 952), (383, 1024), (450, 1177), (468, 1219), (488, 1249), (528, 1312), (541, 1354), (544, 1363), (569, 1414), (585, 1447), (602, 1465), (630, 1510), (651, 1543), (676, 1570), (715, 1648), (758, 1735), (782, 1759), (826, 1825), (844, 1852), (846, 1855), (853, 1873), (966, 2044),

Gene: DobbysSock_2 Start: 318, Stop: 1877, Start Num: 102

Candidate Starts for DobbysSock_2:

(Start: 61 @258 has 1 MA's), (Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (709, 1344), (716, 1365), (730, 1404), (735, 1410), (757, 1446), (758, 1449), (796, 1491), (800, 1497), (876, 1620), (881, 1632), (906, 1671), (950, 1734), (1064, 1860),

Gene: DocMcStuffins_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for DocMcStuffins_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: Doggs_2 Start: 586, Stop: 2193, Start Num: 131

Candidate Starts for Doggs_2:

(Start: 131 @586 has 13 MA's), (255, 769), (302, 886), (315, 904), (333, 952), (369, 1012), (383, 1024), (450, 1177), (468, 1219), (488, 1249), (528, 1312), (541, 1354), (544, 1363), (569, 1414), (583, 1444), (585, 1447), (602, 1465), (630, 1510), (651, 1543), (676, 1570), (715, 1648), (758, 1735), (782, 1759), (844, 1852), (846, 1855), (853, 1873), (904, 1957),

Gene: Dole_8 Start: 1604, Stop: 3025, Start Num: 167

Candidate Starts for Dole_8:

(88, 1532), (Start: 156 @1592 has 11 MA's), (Start: 167 @1604 has 168 MA's), (Start: 229 @1715 has 18 MA's), (233, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (333, 1943), (361, 1985), (367, 1991), (387, 2018), (388, 2021), (431, 2096), (445, 2138), (447, 2147), (490, 2228), (579, 2342),

(609, 2390), (613, 2402), (631, 2432), (644, 2456), (651, 2468), (661, 2483), (709, 2552), (723, 2591), (800, 2696), (823, 2729), (855, 2783), (993, 2960), (1052, 3014),

Gene: Dolores_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Dolores_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (450, 1438), (488, 1510), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Donatella_5 Start: 2098, Stop: 3798, Start Num: 116

Candidate Starts for Donatella_5:

(73, 2041), (Start: 98 @2077 has 36 MA's), (Start: 116 @2098 has 19 MA's), (203, 2221), (Start: 212 @2242 has 10 MA's), (240, 2290), (282, 2335), (293, 2380), (299, 2398), (300, 2401), (326, 2443), (374, 2524), (375, 2527), (416, 2581), (450, 2695), (476, 2755), (490, 2776), (585, 3007), (619, 3073), (625, 3088), (715, 3259), (735, 3307), (738, 3316), (762, 3358), (794, 3391), (823, 3430), (862, 3472), (947, 3562), (967, 3589), (970, 3592), (974, 3598), (987, 3619), (1017, 3661), (1075, 3739), (1092, 3787),

Gene: Dongwon_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Dongwon_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: DonkeyMan_2 Start: 512, Stop: 2101, Start Num: 113

Candidate Starts for DonkeyMan_2:

(Start: 113 @512 has 11 MA's), (217, 647), (219, 653), (243, 695), (283, 734), (291, 770), (310, 818), (343, 878), (374, 920), (375, 923), (387, 947), (388, 950), (416, 977), (435, 1040), (456, 1112), (473, 1142), (475, 1148), (476, 1151), (619, 1418), (625, 1433), (627, 1436), (636, 1448), (677, 1508), (709, 1553), (715, 1571), (728, 1610), (797, 1703), (814, 1724), (821, 1733), (860, 1793), (873, 1817), (890, 1853), (952, 1925), (1021, 2018), (1038, 2036), (1082, 2090),

Gene: Donovan_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Donovan_2:

(Start: 51 @413 has 50 MA's), (Start: 137 @524 has 81 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Doobus_3 Start: 911, Stop: 2539, Start Num: 137

Candidate Starts for Doobus_3:

(Start: 137 @911 has 81 MA's), (240, 1067), (299, 1175), (343, 1259), (374, 1301), (416, 1358), (433, 1409), (434, 1412), (450, 1472), (455, 1490), (471, 1520), (488, 1550), (731, 2006), (738, 2021), (987, 2372), (1021, 2420), (1092, 2528),

Gene: Dooby_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Dooby_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884),

(619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Doomslug_3 Start: 802, Stop: 2157, Start Num: 233

Candidate Starts for Doomslug_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (275, 880), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (330, 1021), (337, 1042), (356, 1069), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101),

Gene: Dorito_2 Start: 318, Stop: 1877, Start Num: 102

Candidate Starts for Dorito_2:

(Start: 61 @258 has 1 MA's), (Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (346, 744), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (709, 1344), (716, 1365), (735, 1410), (757, 1446), (758, 1449), (796, 1491), (800, 1497), (876, 1620), (881, 1632), (906, 1671), (1064, 1860),

Gene: DosHalletts_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for DosHalletts_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: DoubleChamp_6 Start: 1324, Stop: 2751, Start Num: 175

Candidate Starts for DoubleChamp_6:

(Start: 175 @1324 has 25 MA's), (204, 1381), (Start: 215 @1402 has 1 MA's), (Start: 229 @1426 has 18 MA's), (279, 1510), (283, 1519), (285, 1525), (295, 1567), (302, 1585), (315, 1603), (333, 1654), (339, 1669), (387, 1729), (431, 1807), (445, 1849), (447, 1858), (448, 1861), (490, 1939), (579, 2053), (609, 2101), (631, 2143), (644, 2167), (651, 2179), (671, 2206), (705, 2251), (709, 2263), (794, 2410), (821, 2449), (855, 2506), (872, 2530), (890, 2554), (919, 2578), (989, 2677), (993, 2683), (1052, 2740),

Gene: Doucette_3 Start: 956, Stop: 2410, Start Num: 156

Candidate Starts for Doucette_3:

(Start: 156 @956 has 11 MA's), (159, 959), (Start: 215 @1058 has 1 MA's), (233, 1085), (246, 1112), (252, 1121), (275, 1163), (283, 1178), (293, 1220), (315, 1262), (336, 1322), (346, 1340), (357, 1349), (430, 1460), (447, 1517), (451, 1535), (466, 1562), (609, 1760), (610, 1763), (612, 1769), (631, 1802), (707, 1907), (838, 2126), (844, 2132), (862, 2165), (1052, 2396),

Gene: Douge_4 Start: 771, Stop: 2333, Start Num: 74

Candidate Starts for Douge_4:

(Start: 74 @771 has 76 MA's), (Start: 78 @777 has 19 MA's), (199, 927), (Start: 234 @993 has 4 MA's), (266, 1023), (281, 1047), (286, 1062), (296, 1104), (360, 1230), (433, 1368), (438, 1389), (447, 1413), (488, 1488), (515, 1536), (566, 1614), (576, 1635), (591, 1659), (595, 1665), (614, 1695), (616, 1701), (637, 1737), (688, 1794), (709, 1827), (755, 1932), (760, 1941), (787, 1965), (801, 1986), (846, 2052), (913, 2154), (1017, 2274), (1021, 2280), (1040, 2301), (1055, 2325),

Gene: Douggie_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Douggie_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: Doughnut_4 Start: 652, Stop: 2073, Start Num: 167

Candidate Starts for Doughnut_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (367, 1030), (387, 1057), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (497, 1279), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (652, 1510), (709, 1588), (726, 1630), (741, 1660), (797, 1729), (808, 1744), (821, 1762), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (993, 1996), (1052, 2062),

Gene: Douzhi_4 Start: 771, Stop: 2333, Start Num: 74

Candidate Starts for Douzhi_4:

(Start: 74 @771 has 76 MA's), (Start: 78 @777 has 19 MA's), (199, 927), (Start: 234 @993 has 4 MA's), (266, 1023), (281, 1047), (286, 1062), (296, 1104), (360, 1230), (433, 1368), (438, 1389), (447, 1413), (488, 1488), (515, 1536), (566, 1614), (576, 1635), (591, 1659), (595, 1665), (614, 1695), (616, 1701), (637, 1737), (709, 1827), (755, 1932), (760, 1941), (787, 1965), (801, 1986), (846, 2052), (913, 2154), (1017, 2274), (1021, 2280), (1040, 2301), (1055, 2325),

Gene: DrHayes_8 Start: 1566, Stop: 2987, Start Num: 167

Candidate Starts for DrHayes_8:

(88, 1494), (Start: 117 @1533 has 7 MA's), (Start: 156 @1554 has 11 MA's), (Start: 167 @1566 has 168 MA's), (Start: 229 @1677 has 18 MA's), (233, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (333, 1905), (361, 1947), (367, 1953), (387, 1980), (388, 1983), (415, 2007), (445, 2100), (447, 2109), (490, 2190), (501, 2208), (579, 2304), (609, 2352), (613, 2364), (631, 2394), (644, 2418), (651, 2430), (707, 2508), (709, 2514), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: DrParker_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for DrParker_2:

(Start: 153 @378 has 41 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (718, 1398), (760, 1476), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (875, 1626), (893, 1647), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: DrRobert_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for DrRobert_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (296, 747), (299, 756), (302, 762), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: DrSeegs_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for DrSeegs_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Drago_3 Start: 797, Stop: 2158, Start Num: 229

Candidate Starts for Drago_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: DreamTeam_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for DreamTeam_2:

(Start: 79 @426 has 76 MA's), (187, 549), (281, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (432, 1011), (434, 1017), (450, 1077), (533, 1236), (551, 1266), (559, 1281), (627, 1380), (665, 1440), (674, 1449), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (987, 1857), (1080, 1977),

Gene: Duggle_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Duggle_3:

(Start: 108 @1074 has 144 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Dulcita_15 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for Dulcita_15:

(Start: 98 @4718 has 36 MA's), (141, 4766), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: DumpsterDude_2 Start: 434, Stop: 1993, Start Num: 151

Candidate Starts for DumpsterDude_2:

(34, 278), (48, 302), (71, 335), (92, 365), (Start: 151 @434 has 5 MA's), (198, 500), (238, 569), (261, 608), (299, 707), (326, 758), (333, 779), (334, 782), (362, 824), (410, 878), (447, 986), (485, 1070), (488, 1073), (528, 1136), (537, 1166), (543, 1184), (544, 1187), (657, 1376), (704, 1430), (707, 1439), (730, 1502), (760, 1550), (769, 1559), (779, 1568), (797, 1595), (800, 1598), (819, 1625), (853, 1685), (869, 1706), (936, 1811), (955, 1844), (1005, 1913), (1066, 1973),

Gene: DuncansLeg_5 Start: 1193, Stop: 2758, Start Num: 74

Candidate Starts for DuncansLeg_5:

(22, 1085), (24, 1091), (38, 1142), (44, 1151), (Start: 74 @1193 has 76 MA's), (Start: 78 @1199 has 19 MA's), (206, 1370), (Start: 221 @1403 has 1 MA's), (281, 1475), (283, 1481), (285, 1487), (346, 1643), (350, 1652), (358, 1655), (360, 1658), (413, 1733), (431, 1787), (432, 1790), (433, 1793), (558, 2024), (603, 2099), (614, 2120), (616, 2126), (633, 2153), (663, 2195), (688, 2219), (704, 2237), (707, 2246),

(709, 2252), (760, 2366), (797, 2405), (801, 2411), (846, 2477), (880, 2531), (887, 2543), (905, 2567), (913, 2579), (954, 2618), (1021, 2705), (1055, 2750), (1057, 2753),

Gene: Duplicity_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Duplicity_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Durfee_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Durfee_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Dylan_30 Start: 13252, Stop: 14766, Start Num: 76

Candidate Starts for Dylan_30:

(Start: 76 @13252 has 17 MA's), (Start: 78 @13255 has 19 MA's), (Start: 215 @13435 has 1 MA's), (269, 13528), (294, 13603), (310, 13636), (323, 13663), (333, 13693), (431, 13846), (433, 13852), (445, 13888), (447, 13897), (490, 13978), (495, 13987), (497, 13990), (576, 14086), (596, 14122), (601, 14125), (706, 14281), (709, 14290), (737, 14359), (741, 14368), (746, 14374), (769, 14407), (800, 14443), (855, 14530), (871, 14551), (932, 14614), (935, 14617), (938, 14620), (947, 14638), (963, 14659), (993, 14701), (1023, 14734), (1026, 14737), (1047, 14749),

Gene: Dynamo_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Dynamo_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: DyoEdafos_5 Start: 958, Stop: 2520, Start Num: 74

Candidate Starts for DyoEdafos_5:

(Start: 74 @958 has 76 MA's), (Start: 78 @964 has 19 MA's), (199, 1114), (Start: 234 @1180 has 4 MA's), (266, 1210), (281, 1234), (285, 1246), (286, 1249), (296, 1291), (360, 1417), (447, 1600), (488, 1675), (566, 1801), (576, 1822), (591, 1846), (595, 1852), (614, 1882), (616, 1888), (637, 1924), (663, 1957), (688, 1981), (709, 2014), (735, 2080), (760, 2128), (769, 2137), (787, 2152), (801, 2173), (846, 2239), (913, 2341), (1017, 2461), (1021, 2467), (1040, 2488), (1055, 2512),

Gene: E1_3 Start: 1202, Stop: 2782, Start Num: 137

Candidate Starts for E1_3:

(123, 1193), (126, 1196), (Start: 137 @1202 has 81 MA's), (Start: 162 @1229 has 1 MA's), (187, 1262), (203, 1292), (Start: 211 @1310 has 2 MA's), (Start: 212 @1313 has 10 MA's), (219, 1328), (Start: 234 @1349 has 4 MA's), (Start: 236 @1352 has 15 MA's), (289, 1439), (293, 1451), (299, 1469), (311, 1499), (312, 1502), (336, 1574), (339, 1580), (367, 1616), (372, 1622), (389, 1655), (420, 1712), (432, 1754), (434, 1760), (456, 1841), (475, 1877), (476, 1880), (494, 1907), (500, 1916), (516, 1952), (596, 2096), (614, 2126), (625, 2153), (636, 2168), (642, 2180), (670, 2222), (702, 2264), (707, 2273), (715, 2297), (735, 2345), (737, 2351), (748, 2372), (750, 2375), (794, 2429), (816, 2459), (860, 2498), (873,

2522), (888, 2555), (929, 2573), (952, 2600), (958, 2606), (967, 2618), (998, 2666), (1021, 2696), (1082, 2771),

Gene: E6_3 Start: 957, Stop: 2411, Start Num: 156

Candidate Starts for E6_3:

(Start: 156 @957 has 11 MA's), (159, 960), (Start: 215 @1059 has 1 MA's), (233, 1086), (246, 1113), (252, 1122), (275, 1164), (283, 1179), (293, 1221), (315, 1263), (336, 1323), (357, 1350), (430, 1461), (447, 1518), (451, 1536), (466, 1563), (609, 1761), (610, 1764), (612, 1770), (631, 1803), (722, 1953), (769, 2037), (772, 2040), (784, 2046), (838, 2127), (847, 2139), (862, 2166), (1052, 2397),

Gene: ECartman_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for ECartman_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: EGUnicorn_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for EGUnicorn_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: ELee24_3 Start: 1134, Stop: 2594, Start Num: 108

Candidate Starts for ELee24_3:

(Start: 108 @1134 has 144 MA's), (Start: 114 @1140 has 2 MA's), (282, 1371), (303, 1440), (319, 1461), (337, 1512), (449, 1716), (550, 1851), (590, 1929), (601, 1944), (610, 1962), (619, 1980), (642, 2022), (664, 2055), (679, 2073), (737, 2193), (738, 2196), (746, 2208), (751, 2220), (803, 2283), (858, 2340), (862, 2346), (872, 2364), (873, 2367), (1010, 2529), (1015, 2538), (1021, 2547), (1053, 2586),

Gene: Easley_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Easley_3:

(Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (447, 1423), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Ebert_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Ebert_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Ecliptus_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Ecliptus_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (235, 808), (270, 871), (277, 886), (283, 898), (292, 937), (314, 979), (315, 982), (330, 1024), (340, 1051), (356, 1072), (368, 1090), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (438, 1222), (449, 1258), (451, 1264), (460, 1279), (466, 1291), (491, 1330), (544, 1411), (610, 1534), (613, 1543), (628, 1570), (651, 1609), (671, 1636), (691, 1657), (743, 1759), (760, 1786), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: EdElric_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for EdElric_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Eden_2 Start: 659, Stop: 2224, Start Num: 137

Candidate Starts for Eden_2:

(Start: 137 @659 has 81 MA's), (Start: 162 @686 has 1 MA's), (240, 815), (299, 923), (302, 929), (307, 938), (343, 1007), (374, 1049), (416, 1106), (433, 1157), (450, 1220), (610, 1535), (715, 1709), (719, 1721), (987, 2081), (1047, 2153), (1086, 2216),

Gene: EdnaMode_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for EdnaMode_2:

(Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Edugator_5 Start: 1349, Stop: 2776, Start Num: 175

Candidate Starts for Edugator_5:

(Start: 175 @1349 has 25 MA's), (204, 1406), (Start: 215 @1427 has 1 MA's), (Start: 229 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (333, 1679), (359, 1718), (387, 1754), (415, 1781), (431, 1832), (445, 1874), (447, 1883), (448, 1886), (490, 1964), (579, 2078), (609, 2126), (613, 2138), (631, 2168), (651, 2204), (671, 2231), (709, 2288), (741, 2372), (755, 2396), (821, 2474), (829, 2486), (855, 2531), (872, 2555), (890, 2579), (993, 2708), (1052, 2765),

Gene: Eesa_3 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Eesa_3:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (450, 1507), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (872, 2251), (877, 2263), (967, 2377), (1017, 2446), (1021, 2452), (1031, 2464), (1041, 2473), (1053, 2485), (1055, 2488), (1082, 2527),

Gene: Efeko_4 Start: 928, Stop: 2388, Start Num: 108

Candidate Starts for Efeko_4:

(Start: 108 @928 has 144 MA's), (207, 1048), (Start: 234 @1096 has 4 MA's), (281, 1165), (303, 1237), (319, 1258), (321, 1264), (337, 1309), (434, 1459), (448, 1504), (456, 1537), (590, 1726), (615, 1768), (619, 1777), (664, 1852), (678, 1867), (679, 1870), (720, 1951), (746, 2005), (773, 2041), (777, 2047), (858, 2134), (873, 2161), (886, 2191), (1010, 2323), (1021, 2341), (1053, 2380),

Gene: Efra2_8 Start: 1571, Stop: 2995, Start Num: 167

Candidate Starts for Efra2_8:

(88, 1499), (Start: 156 @1559 has 11 MA's), (Start: 167 @1571 has 168 MA's), (Start: 215 @1658 has 1 MA's), (Start: 229 @1682 has 18 MA's), (233, 1688), (254, 1727), (279, 1766), (283, 1775), (285, 1781), (295, 1823), (302, 1841), (315, 1859), (333, 1910), (359, 1949), (387, 1985), (388, 1988), (445, 2105), (447, 2114), (539, 2243), (579, 2309), (609, 2357), (613, 2369), (631, 2399), (644, 2423), (648, 2429), (661, 2450), (709, 2519), (741, 2591), (797, 2660), (800, 2663), (823, 2696), (855, 2750), (872, 2774), (935, 2837), (993, 2927), (1052, 2984), (1056, 2990),

Gene: Eightball_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Eightball_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Ein37_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Ein37_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Ekdilam_5 Start: 1122, Stop: 2546, Start Num: 167

Candidate Starts for Ekdilam_5:

(Start: 156 @1110 has 11 MA's), (Start: 167 @1122 has 168 MA's), (Start: 215 @1209 has 1 MA's), (Start: 229 @1233 has 18 MA's), (279, 1317), (283, 1326), (295, 1374), (302, 1392), (315, 1410), (333, 1461), (367, 1509), (387, 1536), (445, 1656), (447, 1665), (448, 1668), (460, 1698), (490, 1746), (613, 1920), (631, 1950), (661, 2001), (680, 2022), (709, 2070), (726, 2112), (741, 2142), (800, 2214), (855, 2301), (1052, 2535), (1056, 2541),

Gene: Ekko14_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for Ekko14_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: ElectricPheel_5 Start: 874, Stop: 2364, Start Num: 110

Candidate Starts for ElectricPheel_5:

(Start: 110 @874 has 45 MA's), (Start: 163 @919 has 17 MA's), (Start: 221 @1021 has 1 MA's), (239, 1048), (281, 1099), (285, 1111), (291, 1141), (295, 1153), (300, 1168), (334, 1234), (370, 1279), (424, 1366), (432, 1390), (433, 1393), (434, 1396), (448, 1441), (454, 1465), (459, 1474), (496, 1540), (555, 1603), (561, 1615), (585, 1657), (597, 1675), (629, 1735), (665, 1792), (678, 1804), (702, 1846), (738, 1924), (777, 1978), (830, 2044), (835, 2053), (884, 2128), (890, 2137), (925, 2164), (978, 2221), (1015, 2275), (1073, 2347),

Gene: Elesar_5 Start: 1971, Stop: 3668, Start Num: 116

Candidate Starts for Elesar_5:

(70, 1911), (Start: 116 @1971 has 19 MA's), (203, 2091), (Start: 212 @2112 has 10 MA's), (240, 2160), (282, 2205), (283, 2208), (293, 2250), (299, 2268), (300, 2271), (310, 2292), (375, 2397), (416, 2451), (450, 2565), (490, 2646), (585, 2877), (619, 2943), (625, 2958), (677, 3033), (707, 3105), (715, 3129), (718, 3138), (728, 3168), (738, 3186), (762, 3228), (823, 3300), (860, 3339), (883, 3384), (947, 3432), (967, 3459), (970, 3462), (974, 3468), (987, 3489), (1010, 3519), (1017, 3531), (1075, 3609), (1092, 3657),

Gene: Elfy_2 Start: 478, Stop: 1989, Start Num: 143

Candidate Starts for Elfy_2:

(Start: 122 @457 has 3 MA's), (143, 478), (204, 568), (Start: 212 @586 has 10 MA's), (254, 634), (281, 676), (299, 742), (329, 805), (374, 868), (449, 1030), (477, 1087), (479, 1090), (522, 1159), (636, 1354), (644, 1372), (707, 1462), (737, 1540), (780, 1579), (809, 1621), (847, 1678), (863, 1705), (917, 1777),

Gene: Elkhorn_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Elkhorn_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (239, 974), (281, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (334, 1160), (370, 1205), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (454, 1391), (459, 1400), (496, 1466), (555, 1529), (561, 1541), (585, 1583), (597, 1601), (629, 1661), (665, 1718), (678, 1730), (693, 1754), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (835, 1979), (884, 2054), (890, 2063), (925, 2090), (978, 2147), (1015, 2201), (1073, 2273),

Gene: Ellie_5 Start: 1213, Stop: 2637, Start Num: 167

Candidate Starts for Ellie_5:

(Start: 79 @1129 has 76 MA's), (Start: 156 @1201 has 11 MA's), (Start: 167 @1213 has 168 MA's), (Start: 215 @1300 has 1 MA's), (Start: 229 @1324 has 18 MA's), (279, 1408), (283, 1417), (295, 1465), (302, 1483), (315, 1501), (333, 1552), (387, 1627), (388, 1630), (445, 1747), (447, 1756), (448, 1759), (460, 1789), (490, 1837), (579, 1951), (609, 1999), (613, 2011), (631, 2041), (644, 2065), (651, 2077), (652, 2080), (661, 2092), (709, 2161), (726, 2203), (741, 2233), (800, 2305), (823, 2338), (829, 2347), (855, 2392), (993, 2569), (1052, 2626), (1056, 2632),

Gene: Ellson_5 Start: 1202, Stop: 2767, Start Num: 74

Candidate Starts for Ellson_5:

(38, 1151), (44, 1160), (Start: 74 @1202 has 76 MA's), (Start: 78 @1208 has 19 MA's), (206, 1379), (281, 1484), (283, 1490), (285, 1496), (346, 1652), (350, 1661), (358, 1664), (360, 1667), (413, 1742), (431, 1796), (432, 1799), (433, 1802), (558, 2033), (603, 2108), (614, 2129), (616, 2135), (633, 2162), (663, 2204), (688, 2228), (704, 2246), (709, 2261), (760, 2375), (797, 2414), (801, 2420), (846, 2486), (880, 2540), (905, 2576), (913, 2588), (954, 2627), (1021, 2714), (1055, 2759), (1057, 2762),

Gene: Elspeth_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for Elspeth_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: Elva_4 Start: 1014, Stop: 2639, Start Num: 137

Candidate Starts for Elva_4:

(Start: 137 @1014 has 81 MA's), (240, 1170), (285, 1224), (299, 1278), (343, 1362), (369, 1398), (375, 1407), (433, 1512), (434, 1515), (450, 1575), (455, 1593), (456, 1596), (471, 1623), (488, 1653), (564, 1815), (694, 2031), (731, 2106), (738, 2121), (987, 2472),

Gene: Emerson_8 Start: 1593, Stop: 3017, Start Num: 167

Candidate Starts for Emerson_8:

(88, 1521), (Start: 156 @1581 has 11 MA's), (Start: 167 @1593 has 168 MA's), (Start: 229 @1704 has 18 MA's), (233, 1710), (279, 1788), (283, 1797), (295, 1845), (302, 1863), (333, 1932), (361, 1974), (367, 1980), (387, 2007), (388, 2010), (445, 2127), (447, 2136), (490, 2217), (579, 2331), (609, 2379), (613, 2391), (631, 2421), (644, 2445), (651, 2457), (707, 2535), (709, 2541), (800, 2688), (823, 2721), (855, 2775), (993, 2952), (1052, 3006),

Gene: EmiRose_2 Start: 963, Stop: 2567, Start Num: 42

Candidate Starts for EmiRose_2:

(Start: 42 @963 has 1 MA's), (Start: 130 @1083 has 4 MA's), (171, 1125), (191, 1146), (Start: 221 @1218 has 1 MA's), (Start: 234 @1236 has 4 MA's), (281, 1287), (334, 1431), (463, 1668), (477, 1692), (488, 1707), (522, 1770), (557, 1821), (595, 1893), (733, 2109), (800, 2202), (817, 2226), (826, 2241), (853, 2289), (880, 2325), (909, 2364),

Gene: Emmaloid_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Emmaloid_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Emperor_2 Start: 438, Stop: 1862, Start Num: 169

Candidate Starts for Emperor_2:

(Start: 117 @417 has 7 MA's), (Start: 169 @438 has 5 MA's), (Start: 221 @534 has 1 MA's), (239, 561), (281, 606), (283, 612), (285, 618), (290, 645), (302, 678), (336, 744), (395, 834), (433, 915), (574, 1146), (728, 1410), (795, 1503), (820, 1536), (829, 1548), (1069, 1842),

Gene: Enby_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Enby_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Enceladus_4 Start: 1053, Stop: 2636, Start Num: 74

Candidate Starts for Enceladus_4:

(Start: 74 @1053 has 76 MA's), (Start: 78 @1059 has 19 MA's), (206, 1230), (269, 1317), (281, 1335), (283, 1341), (291, 1377), (358, 1515), (360, 1518), (413, 1593), (432, 1650), (433, 1653), (515, 1821), (554, 1875), (558, 1884), (566, 1899), (576, 1920), (603, 1959), (614, 1980), (616, 1986), (633, 2013), (663, 2055), (688, 2079), (704, 2097), (707, 2106), (709, 2112), (720, 2145), (735, 2178), (755, 2217), (758, 2223), (760, 2226), (801, 2271), (846, 2337), (875, 2388), (893, 2412), (905, 2427), (907, 2430), (1000, 2532), (1017, 2559), (1055, 2610), (1057, 2613),

Gene: EniyanLRS_23 Start: 7822, Stop: 9435, Start Num: 84

Candidate Starts for EniyanLRS_23:

(Start: 84 @7822 has 6 MA's), (206, 7972), (214, 7990), (Start: 234 @8023 has 4 MA's), (250, 8035), (284, 8086), (285, 8089), (297, 8137), (299, 8143), (320, 8182), (322, 8185), (333, 8218), (376, 8287), (419, 8353), (423, 8371), (431, 8395), (433, 8401), (477, 8506), (504, 8548), (514, 8566), (517, 8575), (647, 8779), (650, 8785), (675, 8818), (755, 8983), (760, 8992), (767, 8998), (769, 9001), (821, 9076), (843, 9109), (850, 9124), (905, 9205), (1017, 9358), (1035, 9379), (1037, 9382),

Gene: Enkosi_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Enkosi_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: Enochoraptor_2 Start: 385, Stop: 1896, Start Num: 153

Candidate Starts for Enochoraptor_2:

(Start: 153 @385 has 41 MA's), (184, 424), (194, 442), (Start: 208 @469 has 2 MA's), (217, 487), (Start: 234 @514 has 4 MA's), (Start: 236 @517 has 15 MA's), (278, 565), (283, 574), (285, 580), (291, 610), (296, 625), (315, 658), (323, 676), (331, 700), (333, 706), (350, 745), (353, 754), (355, 757), (381, 796), (383, 799), (413, 859), (419, 868), (432, 913), (433, 916), (438, 937), (445, 952), (447, 961), (449, 973), (466, 1012), (490, 1048), (492, 1051), (493, 1054), (508, 1075), (567, 1162), (589, 1186), (609, 1213), (616, 1234), (658, 1300), (793, 1510), (811, 1537), (826, 1558), (831, 1564), (841, 1576), (862, 1609), (872, 1627), (875, 1633), (900, 1663), (911, 1678), (938, 1711), (940, 1714), (946, 1726), (1004, 1813), (1034, 1849), (1058, 1882), (1063, 1888),

Gene: Enoki_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for Enoki_2:

(150, 370), (Start: 153 @373 has 41 MA's), (Start: 163 @385 has 17 MA's), (184, 412), (194, 430), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (466, 1000), (479, 1021), (492, 1039), (493, 1042), (499, 1048), (508, 1063), (551, 1129), (553, 1132), (589, 1174), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (704, 1351), (718, 1393), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (863, 1600), (872, 1615), (875, 1621), (893, 1642), (909, 1663), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1013, 1816), (1058, 1870), (1063, 1876),

Gene: EpicDab_2 Start: 546, Stop: 1865, Start Num: 221

Candidate Starts for EpicDab_2:

(Start: 117 @429 has 7 MA's), (Start: 169 @450 has 5 MA's), (Start: 221 @546 has 1 MA's), (281, 618), (285, 630), (296, 675), (336, 759), (345, 771), (397, 837), (448, 963), (478, 1026), (545, 1092), (561, 1125), (613, 1218), (651, 1287), (714, 1383), (735, 1428), (851, 1584), (885, 1641), (892, 1650), (947, 1695), (1053, 1827), (1071, 1851),

Gene: Eponine_9 Start: 2470, Stop: 3915, Start Num: 167

Candidate Starts for Eponine_9:

(Start: 167 @2470 has 168 MA's), (Start: 229 @2575 has 18 MA's), (279, 2659), (283, 2668), (295, 2716), (315, 2758), (333, 2809), (340, 2827), (367, 2857), (387, 2884), (431, 2962), (445, 3004), (447, 3013), (448, 3016), (490, 3094), (495, 3103), (539, 3142), (579, 3208), (609, 3256), (631, 3298), (644, 3322), (709, 3415), (725, 3457), (741, 3502), (797, 3571), (829, 3616), (838, 3631), (843, 3637), (855, 3661), (993, 3838), (1052, 3904), (1056, 3910),

Gene: Erin_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Erin_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: EstebanJulior_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for EstebanJulior_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (310, 780), (374, 882), (405, 942), (432, 1011), (434, 1017), (450, 1077), (476, 1137), (500, 1173), (533, 1236), (551, 1266), (619, 1362), (674, 1449), (720, 1524), (735, 1557), (753, 1593), (814, 1668), (829, 1689), (831, 1692), (883, 1755), (896, 1779), (987, 1857), (1080, 1977),

Gene: Estes_19 Start: 5466, Stop: 7007, Start Num: 98

Candidate Starts for Estes_19:

(Start: 98 @5466 has 36 MA's), (Start: 99 @5469 has 4 MA's), (232, 5652), (252, 5670), (276, 5703), (282, 5712), (299, 5775), (333, 5850), (431, 6003), (443, 6042), (492, 6135), (504, 6156), (595, 6303), (631, 6363), (735, 6510), (748, 6537), (801, 6615), (843, 6675), (856, 6702), (1040, 6957),

Gene: Etoile_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Etoile_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Eula_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for Eula_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (374, 1066), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Eunoia_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Eunoia_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (299, 759), (310, 783), (337, 837), (416, 966), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (619, 1365), (674, 1452), (720, 1527), (721, 1530), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: Euratis_2 Start: 596, Stop: 2176, Start Num: 122

Candidate Starts for Euratis_2:

(Start: 122 @596 has 3 MA's), (238, 767), (283, 833), (295, 881), (299, 893), (331, 962), (332, 965), (343, 986), (345, 989), (366, 1016), (385, 1037), (418, 1070), (434, 1121), (512, 1304), (526, 1343), (533, 1364), (575, 1475), (587, 1496), (658, 1637), (664, 1643), (667, 1646), (696, 1694), (716, 1742), (771, 1847), (773, 1850), (785, 1868), (804, 1895), (853, 1943), (901, 2024), (937, 2051), (989, 2123),

Gene: Evanesce_5 Start: 1894, Stop: 3489, Start Num: 97

Candidate Starts for Evanesce_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779,

3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: EvenBluerMoon_3 Start: 1241, Stop: 2836, Start Num: 110

Candidate Starts for EvenBluerMoon_3:

(Start: 110 @1241 has 45 MA's), (291, 1499), (299, 1523), (302, 1529), (450, 1820), (461, 1850), (490, 1901), (496, 1910), (555, 2012), (561, 2024), (627, 2147), (715, 2276), (844, 2504), (871, 2546), (1082, 2825),

Gene: Eyes_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for Eyes_2:

(Start: 131 @522 has 13 MA's), (206, 624), (315, 840), (333, 888), (369, 948), (383, 960), (432, 1050), (447, 1098), (468, 1155), (544, 1299), (569, 1350), (676, 1506), (707, 1554), (715, 1578), (758, 1665), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (920, 1911),

Gene: Eyoseyas_2 Start: 361, Stop: 1926, Start Num: 57

Candidate Starts for Eyoseyas_2:

(Start: 57 @361 has 1 MA's), (Start: 93 @412 has 5 MA's), (Start: 99 @424 has 4 MA's), (121, 448), (Start: 155 @472 has 8 MA's), (Start: 221 @583 has 1 MA's), (239, 610), (285, 673), (291, 703), (294, 712), (300, 730), (370, 841), (396, 874), (433, 955), (448, 1003), (484, 1084), (585, 1219), (604, 1246), (629, 1297), (648, 1330), (753, 1513), (830, 1606), (855, 1645), (860, 1651), (872, 1660), (890, 1699), (978, 1783), (987, 1798), (1031, 1858), (1062, 1888),

Gene: Eyre_2 Start: 528, Stop: 2045, Start Num: 161

Candidate Starts for Eyre_2:

(Start: 151 @516 has 5 MA's), (Start: 161 @528 has 1 MA's), (204, 600), (Start: 208 @609 has 2 MA's), (273, 696), (288, 735), (291, 750), (386, 939), (449, 1080), (488, 1143), (522, 1200), (570, 1272), (604, 1329), (616, 1359), (649, 1416), (707, 1500), (720, 1539), (735, 1572), (738, 1581), (744, 1590), (783, 1644), (788, 1653), (806, 1680), (859, 1761), (881, 1797), (951, 1881), (1011, 1962), (1014, 1968),

Gene: Ezurina_3 Start: 865, Stop: 2403, Start Num: 136

Candidate Starts for Ezurina_3:

(Start: 136 @865 has 6 MA's), (183, 910), (285, 1069), (308, 1132), (341, 1219), (447, 1459), (449, 1471), (477, 1528), (570, 1687), (616, 1774), (644, 1828), (705, 1903), (927, 2206),

Gene: Fairfaxidum_2 Start: 378, Stop: 1928, Start Num: 147

Candidate Starts for Fairfaxidum_2:

(Start: 102 @333 has 55 MA's), (Start: 122 @354 has 3 MA's), (Start: 131 @363 has 13 MA's), (Start: 147 @378 has 5 MA's), (Start: 195 @441 has 1 MA's), (210, 477), (225, 504), (238, 519), (257, 552), (272, 573), (282, 594), (291, 633), (299, 657), (315, 693), (333, 741), (360, 783), (367, 795), (432, 900), (477, 1020), (544, 1113), (560, 1146), (569, 1164), (676, 1320), (691, 1341), (705, 1359), (730, 1431), (760, 1479), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (853, 1614), (904, 1701), (936, 1743), (971, 1794), (1067, 1911), (1070, 1917),

Gene: Faith1_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Faith1_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Faith5x5_2 Start: 473, Stop: 1936, Start Num: 189

Candidate Starts for Faith5x5_2:

(129, 422), (135, 428), (Start: 156 @437 has 11 MA's), (Start: 189 @473 has 1 MA's), (Start: 197 @497 has 1 MA's), (209, 524), (Start: 215 @536 has 1 MA's), (220, 548), (246, 590), (262, 611), (281, 650), (282, 653), (298, 713), (310, 734), (315, 740), (316, 743), (333, 791), (336, 800), (337, 803), (415, 911), (426, 947), (433, 968), (440, 995), (447, 1013), (448, 1016), (461, 1058), (466, 1067), (540, 1154), (542, 1160), (572, 1205), (604, 1256), (609, 1265), (610, 1268), (628, 1307), (631, 1310), (649, 1340), (694, 1391), (707, 1412), (709, 1418), (728, 1475), (739, 1490), (742, 1493), (770, 1526), (819, 1592), (823, 1595), (866, 1658), (882, 1688), (906, 1727), (908, 1730), (925, 1754), (936, 1766), (939, 1769), (983, 1835), (988, 1844), (989, 1847), (993, 1853), (1012, 1877), (1051, 1922), (1052, 1925),

Gene: Faiyaz_9 Start: 4674, Stop: 6299, Start Num: 75

Candidate Starts for Faiyaz_9:

(25, 4593), (28, 4611), (55, 4650), (63, 4662), (70, 4668), (Start: 75 @4674 has 5 MA's), (Start: 79 @4680 has 76 MA's), (Start: 208 @4848 has 2 MA's), (214, 4860), (219, 4872), (299, 5016), (333, 5112), (336, 5121), (387, 5199), (390, 5205), (427, 5262), (432, 5277), (458, 5367), (475, 5400), (476, 5403), (547, 5475), (578, 5532), (601, 5580), (611, 5601), (616, 5613), (622, 5625), (636, 5649), (648, 5673), (651, 5679), (697, 5736), (709, 5754), (753, 5856), (781, 5898), (824, 5961), (830, 5970), (833, 5976), (897, 6090), (934, 6102), (956, 6120), (986, 6162), (1016, 6204), (1028, 6219),

Gene: Familton_31 Start: 13080, Stop: 14594, Start Num: 76

Candidate Starts for Familton_31:

(Start: 76 @13080 has 17 MA's), (Start: 78 @13083 has 19 MA's), (Start: 215 @13263 has 1 MA's), (269, 13356), (294, 13431), (310, 13464), (323, 13491), (333, 13521), (431, 13674), (433, 13680), (445, 13716), (447, 13725), (490, 13806), (495, 13815), (497, 13818), (540, 13857), (576, 13914), (596, 13950), (601, 13953), (706, 14109), (709, 14118), (737, 14187), (741, 14196), (746, 14202), (769, 14235), (800, 14271), (855, 14358), (871, 14379), (932, 14442), (935, 14445), (938, 14448), (947, 14466), (963, 14487), (993, 14529), (1026, 14565), (1047, 14577),

Gene: FarmResident_4 Start: 810, Stop: 2372, Start Num: 74

Candidate Starts for FarmResident_4:

(Start: 74 @810 has 76 MA's), (Start: 78 @816 has 19 MA's), (199, 966), (Start: 234 @1032 has 4 MA's), (266, 1062), (281, 1086), (286, 1101), (296, 1143), (360, 1269), (433, 1407), (447, 1452), (488, 1527), (515, 1575), (566, 1653), (576, 1674), (591, 1698), (595, 1704), (614, 1734), (616, 1740), (637, 1776), (688, 1833), (709, 1866), (755, 1971), (760, 1980), (787, 2004), (801, 2025), (846, 2091), (913, 2193), (1017, 2313), (1021, 2319), (1040, 2340), (1055, 2364),

Gene: Fefferhead_7 Start: 1383, Stop: 2807, Start Num: 167

Candidate Starts for Fefferhead_7:

(Start: 79 @1299 has 76 MA's), (Start: 156 @1371 has 11 MA's), (Start: 167 @1383 has 168 MA's), (Start: 215 @1470 has 1 MA's), (Start: 229 @1494 has 18 MA's), (279, 1578), (283, 1587), (295, 1635), (302, 1653), (315, 1671), (333, 1722), (387, 1797), (388, 1800), (445, 1917), (447, 1926), (448, 1929), (460, 1959), (490, 2007), (579, 2121), (609, 2169), (613, 2181), (631, 2211), (644, 2235), (652, 2250), (661, 2262), (709, 2331), (726, 2373), (741, 2403), (800, 2475), (823, 2508), (829, 2517), (855, 2562), (1052, 2796), (1056, 2802),

Gene: Fenry_2 Start: 361, Stop: 1929, Start Num: 128

Candidate Starts for Fenry_2:

(49, 256), (Start: 105 @337 has 1 MA's), (Start: 128 @361 has 39 MA's), (Start: 196 @445 has 6 MA's), (210, 478), (238, 520), (247, 538), (257, 553), (272, 574), (282, 595), (291, 634), (315, 694), (329, 730), (333, 742), (362, 787), (367, 796), (388, 823), (432, 901), (468, 1006), (477, 1021), (488, 1036), (544, 1114), (569, 1165), (676, 1321), (705, 1360), (718, 1399), (730, 1432), (737, 1444), (769,

1489), (772, 1492), (779, 1498), (794, 1519), (800, 1528), (801, 1531), (823, 1561), (838, 1585), (847, 1600), (896, 1690), (904, 1702), (936, 1744), (945, 1759), (959, 1780), (971, 1795), (980, 1810), (1050, 1891), (1058, 1903), (1067, 1912),

Gene: Feyre_6 Start: 1325, Stop: 2752, Start Num: 175

Candidate Starts for Feyre_6:

(Start: 175 @1325 has 25 MA's), (204, 1382), (Start: 215 @1403 has 1 MA's), (Start: 229 @1427 has 18 MA's), (279, 1511), (283, 1520), (285, 1526), (295, 1568), (302, 1586), (315, 1604), (333, 1655), (339, 1670), (387, 1730), (431, 1808), (445, 1850), (447, 1859), (448, 1862), (490, 1940), (579, 2054), (609, 2102), (631, 2144), (644, 2168), (651, 2180), (671, 2207), (705, 2252), (709, 2264), (794, 2411), (821, 2450), (855, 2507), (872, 2531), (890, 2555), (919, 2579), (989, 2678), (993, 2684), (1052, 2741),

Gene: Finalfrontier_4 Start: 1182, Stop: 2810, Start Num: 137

Candidate Starts for Finalfrontier_4:

(Start: 137 @1182 has 81 MA's), (240, 1338), (299, 1446), (343, 1530), (362, 1554), (374, 1572), (416, 1629), (433, 1680), (434, 1683), (435, 1692), (450, 1743), (455, 1761), (471, 1791), (488, 1821), (731, 2277), (738, 2292), (987, 2643), (1092, 2799),

Gene: Findley_4 Start: 652, Stop: 2076, Start Num: 167

Candidate Starts for Findley_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (367, 1030), (387, 1057), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (652, 1510), (709, 1588), (726, 1630), (741, 1660), (757, 1687), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (1052, 2065),

Gene: Finemlucis_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Finemlucis_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Fingolfin_2 Start: 371, Stop: 1993, Start Num: 98

Candidate Starts for Fingolfin_2:

(Start: 85 @350 has 13 MA's), (Start: 98 @371 has 36 MA's), (281, 602), (282, 605), (285, 614), (293, 650), (299, 668), (337, 746), (416, 851), (450, 965), (458, 989), (476, 1025), (490, 1046), (500, 1061), (527, 1121), (564, 1205), (693, 1421), (702, 1433), (716, 1460), (731, 1499), (735, 1505), (755, 1544), (777, 1571), (790, 1583), (814, 1616), (823, 1628), (840, 1655), (844, 1661), (1017, 1901), (1021, 1907), (1041, 1928), (1060, 1949), (1080, 1979), (1082, 1982), (1083, 1985),

Gene: Finkle_2 Start: 383, Stop: 2002, Start Num: 82

Candidate Starts for Finkle_2:

(Start: 82 @383 has 1 MA's), (87, 389), (238, 605), (257, 638), (295, 731), (415, 920), (432, 974), (445, 1013), (450, 1037), (528, 1172), (544, 1187), (589, 1280), (676, 1394), (705, 1433), (741, 1523), (786, 1580), (878, 1733), (936, 1814), (1066, 1982),

Gene: Finnry_5 Start: 1187, Stop: 2752, Start Num: 74

Candidate Starts for Finnry_5:

(Start: 74 @1187 has 76 MA's), (Start: 78 @1193 has 19 MA's), (206, 1364), (281, 1469), (285, 1481), (346, 1637), (350, 1646), (358, 1649), (360, 1652), (413, 1727), (431, 1781), (432, 1784), (433, 1787),

(558, 2018), (603, 2093), (614, 2114), (616, 2120), (663, 2189), (688, 2213), (704, 2231), (709, 2246), (760, 2360), (797, 2399), (801, 2405), (846, 2471), (905, 2561), (913, 2573), (954, 2612), (1021, 2699), (1055, 2744), (1057, 2747),

Gene: Fionnbharth_9 Start: 2465, Stop: 3910, Start Num: 167

Candidate Starts for Fionnbharth_9:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: FirePit_2 Start: 361, Stop: 1926, Start Num: 57

Candidate Starts for FirePit_2:

(Start: 57 @361 has 1 MA's), (Start: 93 @412 has 5 MA's), (Start: 99 @424 has 4 MA's), (121, 448), (Start: 155 @472 has 8 MA's), (Start: 221 @583 has 1 MA's), (239, 610), (285, 673), (291, 703), (294, 712), (300, 730), (370, 841), (396, 874), (433, 955), (448, 1003), (484, 1084), (585, 1219), (604, 1246), (629, 1297), (648, 1330), (753, 1513), (830, 1606), (855, 1645), (860, 1651), (872, 1660), (890, 1699), (978, 1783), (987, 1798), (1031, 1858), (1062, 1888),

Gene: Firecracker_31 Start: 13153, Stop: 14664, Start Num: 78

Candidate Starts for Firecracker_31:

(Start: 76 @13150 has 17 MA's), (Start: 78 @13153 has 19 MA's), (Start: 215 @13333 has 1 MA's), (269, 13426), (294, 13501), (310, 13534), (323, 13561), (333, 13591), (431, 13744), (433, 13750), (445, 13786), (447, 13795), (490, 13876), (495, 13885), (497, 13888), (540, 13927), (576, 13984), (596, 14020), (601, 14023), (706, 14179), (709, 14188), (737, 14257), (741, 14266), (746, 14272), (769, 14305), (800, 14341), (855, 14428), (871, 14449), (932, 14512), (935, 14515), (938, 14518), (947, 14536), (963, 14557), (993, 14599), (1023, 14632), (1026, 14635), (1047, 14647),

Gene: FirstPlacePfu_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for FirstPlacePfu_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Fishburne_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Fishburne_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: FlagStaff_2 Start: 359, Stop: 1903, Start Num: 77

Candidate Starts for FlagStaff_2:

(Start: 77 @359 has 24 MA's), (282, 632), (295, 683), (315, 719), (336, 779), (346, 800), (433, 932), (445, 968), (449, 989), (464, 1019), (490, 1058), (495, 1067), (609, 1220), (652, 1298), (694, 1364), (709, 1391), (760, 1490), (843, 1604), (855, 1628), (870, 1649), (919, 1700), (932, 1715), (993, 1808), (1052, 1892), (1056, 1898),

Gene: FlameThrower_3 Start: 871, Stop: 2436, Start Num: 137

Candidate Starts for FlameThrower_3:

(Start: 137 @871 has 81 MA's), (240, 1027), (299, 1135), (337, 1213), (345, 1222), (366, 1249), (416, 1318), (433, 1369), (450, 1432), (488, 1510), (625, 1783), (715, 1921), (792, 2050), (794, 2053), (1031, 2353), (1060, 2383), (1086, 2428),

Gene: Flashwig_2 Start: 351, Stop: 1808, Start Num: 95

Candidate Starts for Flashwig_2:

(Start: 95 @351 has 2 MA's), (101, 360), (107, 366), (305, 633), (336, 699), (348, 717), (431, 849), (433, 855), (448, 903), (478, 966), (589, 1119), (610, 1155), (626, 1191), (656, 1239), (693, 1287), (726, 1350), (728, 1359), (797, 1461), (839, 1518), (877, 1569), (883, 1581), (949, 1644), (965, 1662), (1031, 1755), (1041, 1764), (1069, 1797),

Gene: Flathead_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Flathead_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (275, 880), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (330, 1021), (337, 1042), (356, 1069), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101),

Gene: Fluke_5 Start: 3123, Stop: 4688, Start Num: 79

Candidate Starts for Fluke_5:

(Start: 79 @3123 has 76 MA's), (Start: 234 @3333 has 4 MA's), (Start: 236 @3336 has 15 MA's), (291, 3429), (299, 3453), (310, 3477), (427, 3693), (432, 3708), (434, 3714), (450, 3774), (533, 3933), (551, 3963), (559, 3978), (619, 4059), (665, 4137), (674, 4146), (707, 4182), (720, 4221), (735, 4254), (738, 4263), (753, 4290), (797, 4344), (829, 4386), (873, 4431), (883, 4452), (896, 4476), (987, 4554), (1080, 4674),

Gene: Forge_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Forge_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: FoulBall_30 Start: 13077, Stop: 14588, Start Num: 78

Candidate Starts for FoulBall_30:

(Start: 76 @13074 has 17 MA's), (Start: 78 @13077 has 19 MA's), (Start: 215 @13257 has 1 MA's), (269, 13350), (294, 13425), (310, 13458), (323, 13485), (333, 13515), (431, 13668), (433, 13674), (445, 13710), (447, 13719), (490, 13800), (495, 13809), (497, 13812), (540, 13851), (576, 13908), (596, 13944), (601, 13947), (706, 14103), (709, 14112), (737, 14181), (741, 14190), (746, 14196), (769, 14229), (800, 14265), (855, 14352), (871, 14373), (932, 14436), (935, 14439), (938, 14442), (947, 14460), (963, 14481), (993, 14523), (1026, 14559), (1047, 14571),

Gene: Francois_6 Start: 1977, Stop: 3407, Start Num: 236

Candidate Starts for Francois_6:

(Start: 120 @1809 has 2 MA's), (Start: 122 @1812 has 3 MA's), (Start: 125 @1815 has 6 MA's), (Start: 131 @1821 has 13 MA's), (Start: 236 @1977 has 15 MA's), (244, 1995), (283, 2058), (299, 2118), (310, 2136), (327, 2175), (330, 2184), (386, 2268), (393, 2277), (433, 2352), (437, 2367), (448, 2400),

(476, 2466), (651, 2784), (652, 2787), (666, 2799), (704, 2847), (718, 2889), (741, 2940), (760, 2970), (800, 3018), (819, 3045), (853, 3105), (875, 3138), (881, 3153), (936, 3231), (980, 3294), (982, 3297),

Gene: Frankie_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Frankie_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (256, 844), (262, 850), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (330, 1021), (337, 1042), (356, 1069), (363, 1078), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Franklin22_2 Start: 667, Stop: 2232, Start Num: 137

Candidate Starts for Franklin22_2:

(Start: 137 @667 has 81 MA's), (Start: 162 @694 has 1 MA's), (240, 823), (299, 931), (302, 937), (343, 1015), (374, 1057), (416, 1114), (433, 1165), (450, 1228), (715, 1717), (801, 1861), (862, 1921), (987, 2089), (1047, 2161), (1077, 2203), (1086, 2224),

Gene: FreakyGoo_15 Start: 4719, Stop: 6263, Start Num: 98

Candidate Starts for FreakyGoo_15:

(Start: 98 @4719 has 36 MA's), (141, 4767), (282, 4968), (333, 5106), (443, 5298), (566, 5508), (595, 5559), (637, 5631), (707, 5694), (715, 5718), (720, 5733), (748, 5793), (755, 5805), (797, 5865), (821, 5898), (843, 5931), (856, 5958), (889, 6006), (1021, 6192), (1040, 6213),

Gene: Frickyeah_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Frickyeah_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (262, 853), (277, 886), (292, 937), (295, 946), (315, 982), (330, 1024), (337, 1045), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (491, 1330), (544, 1411), (572, 1471), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (648, 1603), (691, 1657), (743, 1759), (760, 1786), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (1004, 2101), (1012, 2113),

Gene: Frizzle_1 Start: 60, Stop: 1760, Start Num: 21

Candidate Starts for Frizzle_1:

(16, 21), (Start: 21 @60 has 4 MA's), (204, 345), (282, 459), (319, 549), (324, 564), (333, 588), (369, 642), (431, 750), (435, 768), (456, 840), (475, 876), (494, 906), (555, 966), (632, 1107), (719, 1248), (720, 1251), (721, 1254), (722, 1257), (731, 1278), (738, 1293), (829, 1425), (860, 1479), (873, 1503), (1041, 1695),

Gene: FroggyToad_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for FroggyToad_2:

(Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (415, 819), (445, 912), (450, 936), (468, 978), (528, 1071), (544, 1086), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (796, 1500), (800, 1506), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (1064, 1872),

Gene: Frokostdame_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for Frokostdame_2:

(Start: 102 @334 has 55 MA's), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (296, 646), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (468, 1003), (477, 1018), (488, 1033), (490, 1036),

(544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (945, 1753), (1078, 1942),

Gene: Frosty24_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Frosty24_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Fryberger_34 Start: 9845, Stop: 11251, Start Num: 188

Candidate Starts for Fryberger_34:

(141, 9788), (Start: 188 @9845 has 6 MA's), (268, 9971), (290, 10031), (293, 10040), (331, 10124), (354, 10178), (432, 10304), (434, 10310), (438, 10328), (461, 10394), (480, 10427), (498, 10448), (518, 10481), (550, 10526), (616, 10619), (671, 10697), (702, 10742), (709, 10760), (748, 10823), (751, 10829), (848, 10955), (874, 11000), (889, 11018), (1021, 11192),

Gene: Fulbright_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Fulbright_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: G4_3 Start: 956, Stop: 2410, Start Num: 156

Candidate Starts for G4_3:

(Start: 156 @956 has 11 MA's), (159, 959), (Start: 215 @1058 has 1 MA's), (233, 1085), (246, 1112), (252, 1121), (275, 1163), (283, 1178), (293, 1220), (315, 1262), (336, 1322), (346, 1340), (430, 1460), (447, 1517), (451, 1535), (466, 1562), (609, 1760), (610, 1763), (612, 1769), (631, 1802), (707, 1907), (838, 2126), (862, 2165), (1052, 2396),

Gene: GEazy_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for GEazy_2:

(100, 489), (Start: 108 @498 has 144 MA's), (Start: 131 @522 has 13 MA's), (296, 807), (315, 840), (333, 888), (369, 948), (383, 960), (432, 1050), (468, 1155), (544, 1299), (569, 1350), (630, 1446), (676, 1506), (707, 1554), (715, 1578), (758, 1665), (826, 1755), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (920, 1911),

Gene: GMA5_2 Start: 466, Stop: 1860, Start Num: 169

Candidate Starts for GMA5_2:

(Start: 169 @466 has 5 MA's), (Start: 221 @559 has 1 MA's), (295, 685), (302, 703), (333, 763), (336, 772), (337, 775), (407, 859), (431, 922), (433, 928), (448, 976), (474, 1030), (561, 1132), (623, 1243), (694, 1348), (716, 1387), (718, 1393), (839, 1567), (888, 1642), (985, 1741), (1069, 1846),

Gene: GRU3_2 Start: 495, Stop: 1916, Start Num: 169

Candidate Starts for GRU3_2:

(Start: 169 @495 has 5 MA's), (Start: 221 @588 has 1 MA's), (239, 615), (282, 663), (285, 672), (291, 702), (295, 714), (310, 750), (327, 774), (333, 792), (336, 801), (433, 963), (448, 1011), (478, 1074), (694, 1389), (702, 1404), (716, 1428), (860, 1647), (888, 1692), (925, 1719), (972, 1770), (985, 1791),

Gene: Gabbspett_3 Start: 1176, Stop: 2636, Start Num: 108

Candidate Starts for Gabbspett_3:

(Start: 108 @1176 has 144 MA's), (Start: 114 @1182 has 2 MA's), (Start: 236 @1344 has 15 MA's), (240, 1353), (282, 1413), (303, 1482), (319, 1503), (337, 1554), (449, 1758), (550, 1893), (590, 1971), (601, 1986), (619, 2022), (642, 2064), (664, 2097), (679, 2115), (737, 2235), (738, 2238), (746, 2250), (803, 2325), (862, 2388), (867, 2397), (872, 2406), (873, 2409), (1010, 2571), (1015, 2580), (1021, 2589), (1053, 2628),

Gene: Gabriela_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Gabriela_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Gack_2 Start: 703, Stop: 2268, Start Num: 137

Candidate Starts for Gack_2:

(Start: 137 @703 has 81 MA's), (Start: 162 @730 has 1 MA's), (240, 859), (299, 967), (302, 973), (307, 982), (343, 1051), (374, 1093), (416, 1150), (433, 1201), (450, 1264), (512, 1384), (625, 1615), (715, 1753), (792, 1882), (987, 2125), (1077, 2239), (1086, 2260),

Gene: Galaxy_3 Start: 758, Stop: 2338, Start Num: 152

Candidate Starts for Galaxy_3:

(Start: 85 @692 has 13 MA's), (Start: 152 @758 has 16 MA's), (181, 794), (Start: 212 @854 has 10 MA's), (217, 863), (294, 995), (299, 1010), (310, 1034), (326, 1055), (416, 1193), (433, 1244), (435, 1256), (450, 1307), (454, 1319), (490, 1388), (521, 1448), (531, 1478), (534, 1487), (564, 1550), (693, 1766), (702, 1778), (720, 1817), (731, 1844), (738, 1859), (755, 1889), (790, 1928), (796, 1937), (801, 1946), (863, 2036), (877, 2063), (967, 2177), (1017, 2246),

Gene: Gallop_2 Start: 389, Stop: 1936, Start Num: 127

Candidate Starts for Gallop_2:

(127, 389), (139, 398), (144, 404), (183, 449), (230, 542), (238, 551), (255, 581), (291, 665), (293, 671), (295, 677), (329, 749), (413, 863), (426, 902), (432, 920), (445, 959), (457, 1004), (462, 1013), (468, 1025), (495, 1073), (519, 1121), (579, 1220), (585, 1232), (589, 1241), (617, 1274), (653, 1334), (676, 1361), (678, 1364), (689, 1382), (704, 1397), (705, 1400), (736, 1478), (751, 1505), (757, 1511), (794, 1556), (819, 1592), (843, 1628), (959, 1811), (975, 1832), (980, 1841), (1008, 1883), (1025, 1898),

Gene: GaloreK_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for GaloreK_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Gambino_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for Gambino_2:

(Start: 102 @334 has 55 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (296, 646), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738),

(945, 1753), (1078, 1942),

Gene: Gancho_4 Start: 1561, Stop: 3195, Start Num: 69

Candidate Starts for Gancho_4:

(Start: 69 @1561 has 20 MA's), (Start: 97 @1600 has 3 MA's), (Start: 154 @1648 has 85 MA's), (257, 1819), (280, 1858), (358, 2038), (365, 2047), (369, 2056), (413, 2119), (417, 2125), (442, 2209), (443, 2212), (445, 2215), (488, 2311), (490, 2314), (495, 2323), (536, 2389), (558, 2419), (571, 2446), (588, 2479), (606, 2500), (608, 2503), (676, 2599), (691, 2620), (730, 2710), (757, 2752), (772, 2770), (779, 2776), (823, 2839), (826, 2845), (829, 2848), (853, 2893), (858, 2899), (875, 2926), (881, 2941), (914, 2992), (920, 3001), (933, 3016), (936, 3019), (959, 3058), (971, 3073), (980, 3088), (982, 3091), (1061, 3169), (1066, 3175),

Gene: Ganymede_8 Start: 1613, Stop: 3034, Start Num: 167

Candidate Starts for Ganymede_8:

(88, 1541), (Start: 156 @1601 has 11 MA's), (Start: 167 @1613 has 168 MA's), (Start: 229 @1724 has 18 MA's), (233, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (333, 1952), (361, 1994), (367, 2000), (387, 2027), (388, 2030), (445, 2147), (447, 2156), (490, 2237), (579, 2351), (609, 2399), (613, 2411), (631, 2441), (644, 2465), (651, 2477), (707, 2555), (709, 2561), (800, 2705), (823, 2738), (855, 2792), (993, 2969), (1052, 3023),

Gene: Gardann_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Gardann_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: GardenSalsa_18 Start: 5300, Stop: 6841, Start Num: 98

Candidate Starts for GardenSalsa_18:

(Start: 98 @5300 has 36 MA's), (Start: 99 @5303 has 4 MA's), (232, 5486), (252, 5504), (276, 5537), (282, 5546), (299, 5609), (333, 5684), (431, 5837), (443, 5876), (492, 5969), (504, 5990), (595, 6137), (631, 6197), (748, 6371), (801, 6449), (843, 6509), (856, 6536), (1040, 6791),

Gene: Gardevoir_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Gardevoir_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Gavriela_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Gavriela_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: GemG_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for GemG_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344),

(716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: GenevaB15_18 Start: 5321, Stop: 6862, Start Num: 98

Candidate Starts for GenevaB15_18:

(Start: 98 @5321 has 36 MA's), (Start: 99 @5324 has 4 MA's), (232, 5507), (252, 5525), (276, 5558), (282, 5567), (333, 5705), (431, 5858), (443, 5897), (492, 5990), (504, 6011), (595, 6158), (631, 6218), (735, 6365), (748, 6392), (801, 6470), (843, 6530), (856, 6557), (1040, 6812),

Gene: Gengar_6 Start: 1351, Stop: 2778, Start Num: 175

Candidate Starts for Gengar_6:

(Start: 79 @1258 has 76 MA's), (Start: 175 @1351 has 25 MA's), (204, 1408), (Start: 215 @1429 has 1 MA's), (Start: 229 @1453 has 18 MA's), (279, 1537), (283, 1546), (285, 1552), (295, 1594), (302, 1612), (315, 1630), (333, 1681), (387, 1756), (431, 1834), (445, 1876), (447, 1885), (448, 1888), (490, 1966), (579, 2080), (609, 2128), (631, 2170), (644, 2194), (651, 2206), (671, 2233), (705, 2278), (709, 2290), (794, 2437), (821, 2476), (855, 2533), (872, 2557), (890, 2581), (919, 2605), (989, 2704), (993, 2710), (1052, 2767),

Gene: Geraldini_8 Start: 1616, Stop: 3037, Start Num: 167

Candidate Starts for Geraldini_8:

(88, 1544), (Start: 156 @1604 has 11 MA's), (Start: 167 @1616 has 168 MA's), (Start: 229 @1727 has 18 MA's), (233, 1733), (279, 1811), (283, 1820), (295, 1868), (302, 1886), (333, 1955), (361, 1997), (367, 2003), (387, 2030), (388, 2033), (445, 2150), (447, 2159), (579, 2354), (609, 2402), (613, 2414), (631, 2444), (644, 2468), (651, 2480), (707, 2558), (709, 2564), (800, 2708), (823, 2741), (855, 2795), (993, 2972), (1052, 3026),

Gene: Gerri43_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for Gerri43_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: Getalong_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Getalong_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (262, 853), (277, 886), (292, 937), (295, 946), (315, 982), (330, 1024), (337, 1045), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (448, 1249), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (491, 1330), (540, 1399), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (671, 1636), (691, 1657), (743, 1759), (760, 1786), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Gex_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Gex_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Ghobes_1 Start: 60, Stop: 1760, Start Num: 21

Candidate Starts for Ghobes_1:

(16, 21), (Start: 21 @60 has 4 MA's), (204, 345), (Start: 234 @399 has 4 MA's), (282, 459), (324, 564), (333, 588), (369, 642), (431, 750), (452, 825), (456, 840), (475, 876), (494, 906), (555, 966), (632,

1107), (719, 1248), (720, 1251), (721, 1254), (722, 1257), (731, 1278), (738, 1293), (829, 1425), (860, 1479), (873, 1503), (1041, 1695),

Gene: Gibbzilla_2 Start: 311, Stop: 1765, Start Num: 156

Candidate Starts for Gibbzilla_2:

(43, 170), (58, 191), (Start: 114 @269 has 2 MA's), (Start: 151 @305 has 5 MA's), (Start: 156 @311 has 11 MA's), (198, 377), (Start: 215 @413 has 1 MA's), (291, 569), (295, 581), (310, 611), (315, 617), (316, 620), (323, 638), (433, 827), (447, 872), (460, 905), (540, 1004), (542, 1010), (588, 1085), (604, 1106), (609, 1115), (693, 1247), (701, 1253), (707, 1268), (734, 1334), (737, 1340), (760, 1379), (797, 1421), (800, 1424), (821, 1454), (855, 1511), (942, 1607), (960, 1637), (999, 1688), (1052, 1754),

Gene: Gideon_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Gideon_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Giles_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Giles_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Gillker_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Gillker_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Girafales_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Girafales_3:

(121, 660), (Start: 154 @672 has 85 MA's), (222, 789), (Start: 229 @798 has 18 MA's), (235, 807), (275, 882), (277, 885), (281, 891), (292, 936), (293, 939), (300, 960), (314, 978), (356, 1071), (368, 1089), (371, 1092), (387, 1116), (433, 1200), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (482, 1317), (491, 1329), (542, 1404), (555, 1434), (556, 1437), (579, 1482), (610, 1533), (613, 1542), (628, 1569), (648, 1602), (681, 1647), (707, 1680), (857, 1920), (868, 1935), (871, 1941), (890, 1965), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Gisselle_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Gisselle_2:

(Start: 79 @426 has 76 MA's), (187, 549), (281, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (432, 1011), (434, 1017), (450, 1077), (533, 1236), (551, 1266), (559, 1281), (627, 1380), (665, 1440), (674, 1449), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (987, 1857), (1080, 1977),

Gene: Gizermo_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Gizermo_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Glaske_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Glaske_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Glaske16_15 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for Glaske16_15:

(Start: 98 @4718 has 36 MA's), (141, 4766), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: Glenn_5 Start: 3133, Stop: 4698, Start Num: 79

Candidate Starts for Glenn_5:

(Start: 79 @3133 has 76 MA's), (Start: 234 @3343 has 4 MA's), (Start: 236 @3346 has 15 MA's), (281, 3397), (299, 3463), (310, 3487), (427, 3703), (431, 3715), (432, 3718), (434, 3724), (450, 3784), (476, 3844), (483, 3856), (533, 3943), (551, 3973), (559, 3988), (619, 4069), (665, 4147), (674, 4156), (707, 4192), (720, 4231), (735, 4264), (738, 4273), (753, 4300), (797, 4354), (829, 4396), (873, 4441), (883, 4462), (896, 4486), (987, 4564), (1080, 4684),

Gene: Glotell_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for Glotell_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: GodSpeed_2 Start: 359, Stop: 1906, Start Num: 77

Candidate Starts for GodSpeed_2:

(Start: 77 @359 has 24 MA's), (282, 632), (315, 719), (336, 779), (346, 800), (433, 932), (445, 968), (449, 989), (464, 1019), (490, 1058), (495, 1067), (609, 1220), (652, 1298), (682, 1343), (684, 1346), (709, 1394), (718, 1418), (760, 1493), (843, 1607), (855, 1631), (870, 1652), (919, 1703), (930, 1715), (932, 1718), (993, 1811), (1052, 1895), (1056, 1901),

Gene: Godfather_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Godfather_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Goib_8 Start: 3467, Stop: 5074, Start Num: 111

Candidate Starts for Goib_8:

(Start: 52 @3389 has 3 MA's), (Start: 111 @3467 has 6 MA's), (283, 3695), (310, 3779), (326, 3800), (333, 3821), (416, 3959), (434, 4013), (460, 4100), (461, 4103), (476, 4133), (564, 4238), (619, 4340), (695, 4463), (725, 4550), (731, 4565), (738, 4580), (781, 4643), (835, 4712), (860, 4754), (873, 4778), (901, 4829), (902, 4832), (933, 4865), (987, 4931), (1024, 4982), (1084, 5060), (1087, 5066),

Gene: GoldenAsh_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for GoldenAsh_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: GoldenBlanche_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for GoldenBlanche_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Gomashi_2 Start: 456, Stop: 1892, Start Num: 178

Candidate Starts for Gomashi_2:

(Start: 77 @360 has 24 MA's), (Start: 178 @456 has 43 MA's), (Start: 179 @459 has 5 MA's), (Start: 197 @495 has 1 MA's), (Start: 215 @534 has 1 MA's), (295, 696), (333, 783), (336, 792), (346, 810), (359, 822), (433, 942), (445, 978), (449, 999), (460, 1020), (490, 1068), (495, 1077), (609, 1230), (641, 1290), (652, 1308), (694, 1359), (709, 1386), (715, 1401), (716, 1404), (760, 1485), (796, 1530), (846, 1605), (855, 1623), (870, 1644), (915, 1689), (930, 1707), (932, 1710), (993, 1803), (1054, 1884),

Gene: Gonephishing_10 Start: 4236, Stop: 5768, Start Num: 163

Candidate Starts for Gonephishing_10:

(Start: 93 @4152 has 5 MA's), (126, 4194), (135, 4203), (Start: 163 @4236 has 17 MA's), (232, 4350), (268, 4413), (284, 4446), (285, 4449), (294, 4488), (296, 4494), (330, 4569), (346, 4605), (413, 4680), (415, 4683), (426, 4719), (436, 4752), (581, 5001), (616, 5064), (630, 5091), (719, 5250), (735, 5286), (753, 5316), (758, 5325), (809, 5379), (826, 5403), (1011, 5637), (1018, 5649),

Gene: Goobery_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Goobery_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: GoodLuckBabe_6 Start: 1957, Stop: 3657, Start Num: 116

Candidate Starts for GoodLuckBabe_6:

(73, 1900), (Start: 98 @1936 has 36 MA's), (Start: 116 @1957 has 19 MA's), (203, 2080), (Start: 212 @2101 has 10 MA's), (240, 2149), (282, 2194), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (416, 2440), (450, 2554), (476, 2614), (490, 2635), (523, 2701), (585, 2866), (619, 2932), (625, 2947), (715, 3118), (735, 3166), (738, 3175), (762, 3217), (794, 3250), (823, 3289), (862, 3331), (947, 3421), (967, 3448), (970, 3451), (974, 3457), (1017, 3520), (1075, 3598), (1092, 3646),

Gene: Goulash_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Goulash_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: GramZayde_3 Start: 850, Stop: 2331, Start Num: 212

Candidate Starts for GramZayde_3:

(Start: 85 @685 has 13 MA's), (Start: 212 @850 has 10 MA's), (Start: 236 @889 has 15 MA's), (281, 940), (285, 952), (293, 988), (299, 1006), (416, 1189), (450, 1303), (454, 1315), (476, 1363), (490, 1384), (500, 1399), (527, 1456), (702, 1771), (731, 1837), (737, 1849), (755, 1882), (790, 1921), (797, 1933), (814, 1954), (844, 1999), (863, 2029), (884, 2074), (920, 2116), (1017, 2239), (1021, 2245), (1041, 2266), (1053, 2278), (1080, 2317), (1082, 2320),

Gene: GrandSlam_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for GrandSlam_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Gravaillia_5 Start: 1594, Stop: 3228, Start Num: 69

Candidate Starts for Gravaillia_5:

(Start: 69 @1594 has 20 MA's), (Start: 97 @1633 has 3 MA's), (Start: 154 @1681 has 85 MA's), (257, 1852), (280, 1891), (358, 2071), (365, 2080), (369, 2089), (413, 2152), (417, 2158), (442, 2242), (443, 2245), (445, 2248), (488, 2344), (490, 2347), (495, 2356), (536, 2422), (558, 2452), (571, 2479), (588, 2512), (606, 2533), (608, 2536), (676, 2632), (691, 2653), (730, 2743), (757, 2785), (772, 2803), (779, 2809), (823, 2872), (826, 2878), (829, 2881), (853, 2926), (858, 2932), (875, 2959), (881, 2974), (914, 3025), (920, 3034), (933, 3049), (936, 3052), (959, 3091), (971, 3106), (980, 3121), (982, 3124), (1061, 3202), (1066, 3208),

Gene: Gravel_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Gravel_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (Start: 221 @1072 has 1 MA's), (Start: 236 @1093 has 15 MA's), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (455, 1525), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Graynor_5 Start: 3279, Stop: 4661, Start Num: 217

Candidate Starts for Graynor_5:

(Start: 79 @3093 has 76 MA's), (217, 3279), (Start: 236 @3309 has 15 MA's), (281, 3360), (285, 3372), (291, 3402), (296, 3417), (374, 3552), (416, 3633), (432, 3681), (450, 3747), (471, 3795), (475, 3804), (520, 3879), (533, 3906), (551, 3936), (707, 4155), (735, 4227), (753, 4263), (829, 4359), (883, 4425), (928, 4455), (933, 4461), (987, 4527), (1080, 4647),

Gene: Grayscar_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Grayscar_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: GreaseLightnin_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for GreaseLightnin_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: GreenHearts_5 Start: 3132, Stop: 4697, Start Num: 79

Candidate Starts for GreenHearts_5:

(Start: 79 @3132 has 76 MA's), (Start: 212 @3306 has 10 MA's), (Start: 234 @3342 has 4 MA's), (281, 3396), (284, 3405), (291, 3438), (296, 3453), (299, 3462), (374, 3588), (427, 3702), (431, 3714), (432, 3717), (434, 3723), (450, 3783), (476, 3843), (533, 3942), (551, 3972), (559, 3987), (604, 4035), (674, 4155), (720, 4230), (735, 4263), (753, 4299), (814, 4374), (829, 4395), (860, 4416), (896, 4485), (987, 4563), (1015, 4602), (1041, 4632), (1053, 4644), (1080, 4683), (1084, 4692),

Gene: Greenhouse_5 Start: 3101, Stop: 4666, Start Num: 79

Candidate Starts for Greenhouse_5:

(Start: 79 @3101 has 76 MA's), (Start: 212 @3275 has 10 MA's), (Start: 234 @3311 has 4 MA's), (281, 3365), (284, 3374), (291, 3407), (299, 3431), (427, 3671), (432, 3686), (434, 3692), (450, 3752), (476, 3812), (516, 3878), (533, 3911), (551, 3941), (559, 3956), (604, 4004), (674, 4124), (720, 4199), (735, 4232), (814, 4343), (829, 4364), (860, 4385), (896, 4454), (987, 4532), (1015, 4571), (1041, 4601), (1053, 4613), (1080, 4652), (1084, 4661),

Gene: GrimEater_2 Start: 464, Stop: 1984, Start Num: 115

Candidate Starts for GrimEater_2:

(Start: 115 @464 has 2 MA's), (204, 590), (218, 620), (254, 656), (329, 827), (331, 833), (419, 950), (445, 1034), (449, 1055), (463, 1088), (477, 1112), (522, 1184), (652, 1412), (707, 1484), (717, 1514), (809, 1643), (847, 1700), (853, 1715), (944, 1802), (979, 1856), (1063, 1973),

Gene: Grizzly_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Grizzly_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (344, 806), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (718, 1409), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Gsput1_5 Start: 1941, Stop: 3626, Start Num: 52

Candidate Starts for Gsput1_5:

(Start: 52 @1941 has 3 MA's), (72, 1968), (Start: 137 @2022 has 81 MA's), (Start: 212 @2133 has 10 MA's), (281, 2223), (283, 2229), (285, 2235), (293, 2271), (296, 2280), (326, 2334), (349, 2385), (416, 2493), (432, 2541), (434, 2547), (458, 2631), (460, 2634), (461, 2637), (476, 2667), (547, 2739), (564, 2772), (602, 2838), (619, 2874), (719, 3069), (781, 3171), (902, 3360), (920, 3378), (933, 3393), (970, 3435), (987, 3459), (1041, 3528), (1087, 3618),

Gene: Guacamole_2 Start: 361, Stop: 1929, Start Num: 128

Candidate Starts for Guacamole_2:

(49, 256), (Start: 128 @361 has 39 MA's), (Start: 196 @445 has 6 MA's), (210, 478), (238, 520), (247, 538), (257, 553), (272, 574), (282, 595), (291, 634), (315, 694), (329, 730), (333, 742), (360, 784), (367, 796), (388, 823), (432, 901), (468, 1006), (477, 1021), (488, 1036), (544, 1114), (569, 1165), (676, 1321), (691, 1342), (705, 1360), (707, 1366), (730, 1432), (737, 1444), (769, 1489), (772, 1492), (779,

1498), (794, 1519), (800, 1528), (801, 1531), (847, 1600), (904, 1702), (936, 1744), (945, 1759), (971, 1795), (1050, 1891), (1058, 1903), (1067, 1912),

Gene: Guanica15_8 Start: 1587, Stop: 3011, Start Num: 167

Candidate Starts for Guanica15_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 215 @1674 has 1 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (254, 1743), (279, 1782), (283, 1791), (285, 1797), (295, 1839), (302, 1857), (315, 1875), (333, 1926), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (539, 2259), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (648, 2445), (661, 2466), (709, 2535), (741, 2607), (797, 2676), (800, 2679), (823, 2712), (855, 2766), (872, 2790), (935, 2853), (993, 2943), (1052, 3000), (1056, 3006),

Gene: Guey18_39 Start: 11038, Stop: 12444, Start Num: 188

Candidate Starts for Guey18_39:

(141, 10981), (Start: 188 @11038 has 6 MA's), (268, 11164), (290, 11224), (293, 11233), (308, 11260), (331, 11317), (354, 11371), (432, 11497), (434, 11503), (438, 11521), (461, 11587), (498, 11641), (518, 11674), (550, 11719), (616, 11812), (671, 11890), (702, 11935), (709, 11953), (748, 12016), (751, 12022), (848, 12148), (874, 12193), (889, 12211), (1021, 12385),

Gene: Guillsminger_6 Start: 1326, Stop: 2753, Start Num: 175

Candidate Starts for Guillsminger_6:

(Start: 79 @1233 has 76 MA's), (Start: 175 @1326 has 25 MA's), (204, 1383), (Start: 215 @1404 has 1 MA's), (Start: 229 @1428 has 18 MA's), (279, 1512), (283, 1521), (285, 1527), (295, 1569), (302, 1587), (315, 1605), (333, 1656), (387, 1731), (431, 1809), (445, 1851), (447, 1860), (448, 1863), (490, 1941), (579, 2055), (609, 2103), (631, 2145), (644, 2169), (651, 2181), (671, 2208), (705, 2253), (709, 2265), (794, 2412), (821, 2451), (855, 2508), (872, 2532), (890, 2556), (919, 2580), (989, 2679), (993, 2685), (1052, 2742),

Gene: Guinevere_6 Start: 1957, Stop: 3657, Start Num: 116

Candidate Starts for Guinevere_6:

(73, 1900), (Start: 98 @1936 has 36 MA's), (Start: 116 @1957 has 19 MA's), (203, 2080), (Start: 212 @2101 has 10 MA's), (240, 2149), (282, 2194), (283, 2197), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (375, 2386), (416, 2440), (450, 2554), (476, 2614), (490, 2635), (523, 2701), (585, 2866), (619, 2932), (625, 2947), (715, 3118), (728, 3157), (735, 3166), (738, 3175), (762, 3217), (794, 3250), (823, 3289), (862, 3331), (883, 3373), (947, 3421), (967, 3448), (970, 3451), (974, 3457), (987, 3478), (1017, 3520), (1092, 3646),

Gene: Guntur_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Guntur_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Gusanita_4 Start: 1860, Stop: 3557, Start Num: 116

Candidate Starts for Gusanita_4:

(70, 1800), (Start: 116 @1860 has 19 MA's), (203, 1980), (Start: 212 @2001 has 10 MA's), (219, 2016), (240, 2049), (282, 2094), (283, 2097), (293, 2139), (299, 2157), (300, 2160), (375, 2286), (416, 2340), (450, 2454), (490, 2535), (585, 2766), (619, 2832), (625, 2847), (707, 2994), (715, 3018), (718, 3027), (728, 3057), (738, 3075), (762, 3117), (823, 3189), (862, 3231), (967, 3348), (970, 3351), (974, 3357), (1017, 3420), (1057, 3465), (1075, 3498), (1092, 3546),

Gene: Gustav_2 Start: 554, Stop: 2107, Start Num: 117

Candidate Starts for Gustav_2:

(Start: 117 @554 has 7 MA's), (Start: 148 @581 has 6 MA's), (203, 659), (219, 695), (290, 809), (299, 836), (367, 956), (378, 971), (416, 1022), (432, 1070), (449, 1133), (475, 1193), (498, 1229), (569, 1310), (578, 1325), (594, 1358), (606, 1370), (636, 1427), (697, 1514), (707, 1526), (721, 1568), (737, 1604), (738, 1607), (748, 1625), (820, 1736), (860, 1805), (862, 1808), (866, 1814), (888, 1862), (949, 1919), (967, 1943), (1083, 2099),

Gene: GuuelaD_4 Start: 1069, Stop: 2643, Start Num: 74

Candidate Starts for GuuelaD_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (90, 1093), (199, 1231), (281, 1351), (350, 1528), (360, 1534), (431, 1672), (433, 1678), (438, 1699), (488, 1798), (515, 1846), (554, 1900), (566, 1924), (591, 1969), (595, 1975), (614, 2005), (616, 2011), (633, 2038), (637, 2047), (688, 2104), (707, 2131), (709, 2137), (720, 2170), (739, 2215), (760, 2251), (801, 2296), (846, 2362), (893, 2437), (907, 2455), (913, 2464), (1040, 2611), (1055, 2635), (1057, 2638),

Gene: HH92_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for HH92_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: HUHilltop_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for HUHilltop_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Hadrien_5 Start: 1894, Stop: 3489, Start Num: 97

Candidate Starts for Hadrien_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Hafay_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Hafay_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Hail_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Hail_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Halena_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Halena_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Haley23_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Haley23_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Halloweekend_4 Start: 1574, Stop: 3295, Start Num: 98

Candidate Starts for Halloweekend_4:

(73, 1538), (Start: 98 @1574 has 36 MA's), (Start: 116 @1595 has 19 MA's), (203, 1718), (Start: 212 @1739 has 10 MA's), (240, 1787), (282, 1832), (283, 1835), (293, 1877), (299, 1895), (300, 1898), (302, 1901), (375, 2024), (416, 2078), (434, 2132), (450, 2192), (476, 2252), (490, 2273), (585, 2504), (619, 2570), (625, 2585), (715, 2756), (728, 2795), (735, 2804), (738, 2813), (762, 2855), (794, 2888), (823, 2927), (862, 2969), (947, 3059), (967, 3086), (970, 3089), (974, 3095), (987, 3116), (1017, 3158), (1075, 3236), (1092, 3284),

Gene: Halo_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Halo_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: HamCheese_2 Start: 349, Stop: 1992, Start Num: 85

Candidate Starts for HamCheese_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (296, 658), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Hammy_7 Start: 1384, Stop: 2808, Start Num: 167

Candidate Starts for Hammy_7:

(Start: 156 @1372 has 11 MA's), (Start: 167 @1384 has 168 MA's), (Start: 215 @1471 has 1 MA's), (Start: 229 @1495 has 18 MA's), (279, 1579), (283, 1588), (295, 1636), (302, 1654), (315, 1672), (333, 1723), (367, 1771), (445, 1918), (447, 1927), (448, 1930), (460, 1960), (490, 2008), (579, 2122), (613, 2182), (631, 2212), (661, 2263), (680, 2284), (709, 2332), (726, 2374), (741, 2404), (800, 2476), (855, 2563), (993, 2740), (1052, 2797), (1056, 2803),

Gene: Hamood_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Hamood_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Hanako_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for Hanako_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Hannaconda_7 Start: 2388, Stop: 3920, Start Num: 163

Candidate Starts for Hannaconda_7:

(18, 2142), (26, 2193), (Start: 93 @2304 has 5 MA's), (126, 2346), (135, 2355), (Start: 163 @2388 has 17 MA's), (232, 2502), (268, 2565), (284, 2598), (285, 2601), (294, 2640), (296, 2646), (330, 2721), (346, 2757), (413, 2832), (415, 2835), (426, 2871), (436, 2904), (581, 3153), (616, 3216), (630, 3243), (719, 3402), (735, 3438), (753, 3468), (758, 3477), (809, 3531), (826, 3555), (1011, 3789), (1018, 3801),

Gene: HannahD_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for HannahD_2:

(100, 489), (Start: 108 @498 has 144 MA's), (Start: 131 @522 has 13 MA's), (296, 807), (315, 840), (333, 888), (369, 948), (383, 960), (432, 1050), (468, 1155), (544, 1299), (569, 1350), (630, 1446), (676, 1506), (707, 1554), (715, 1578), (758, 1665), (826, 1755), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (920, 1911),

Gene: HannahPhantana_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for HannahPhantana_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (755, 2045), (790, 2084), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: HarperAnne_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for HarperAnne_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: HeadMave_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for HeadMave_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: HeadNerd_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for HeadNerd_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (294, 741), (299, 756), (302, 762), (310, 780), (405, 942), (416, 963), (450, 1077), (476, 1137), (516, 1203), (533, 1236), (551, 1266), (559, 1281), (619, 1362), (665, 1440), (674, 1449), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (987, 1857),

Gene: Heather_2 Start: 597, Stop: 2144, Start Num: 130

Candidate Starts for Heather_2:

(Start: 130 @597 has 4 MA's), (279, 816), (283, 825), (295, 873), (318, 918), (331, 954), (343, 978), (366, 1008), (380, 1017), (418, 1062), (425, 1092), (434, 1113), (455, 1191), (496, 1266), (512, 1296), (619, 1551), (621, 1554), (643, 1596), (658, 1623), (693, 1674), (696, 1680), (701, 1689), (707, 1701), (717, 1731), (771, 1833), (785, 1854), (804, 1881), (853, 1929), (901, 2010), (934, 2034), (937, 2037), (1015, 2133),

Gene: Hedwig_2 Start: 586, Stop: 2196, Start Num: 131

Candidate Starts for Hedwig_2:

(Start: 131 @586 has 13 MA's), (255, 769), (273, 802), (315, 904), (333, 952), (383, 1024), (450, 1177), (468, 1219), (488, 1249), (528, 1312), (541, 1354), (544, 1363), (583, 1444), (585, 1447), (602, 1465), (620, 1495), (630, 1510), (651, 1543), (676, 1570), (715, 1648), (758, 1735), (782, 1759), (844, 1852), (846, 1855), (853, 1873), (904, 1957),

Gene: HedwigODU_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for HedwigODU_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Heftyboy_6 Start: 1347, Stop: 2774, Start Num: 175

Candidate Starts for Heftyboy_6:

(Start: 79 @1254 has 76 MA's), (Start: 175 @1347 has 25 MA's), (204, 1404), (Start: 215 @1425 has 1 MA's), (Start: 229 @1449 has 18 MA's), (279, 1533), (283, 1542), (285, 1548), (295, 1590), (302, 1608), (315, 1626), (333, 1677), (387, 1752), (431, 1830), (445, 1872), (447, 1881), (448, 1884), (490, 1962), (579, 2076), (609, 2124), (631, 2166), (644, 2190), (651, 2202), (671, 2229), (705, 2274), (709, 2286), (794, 2433), (821, 2472), (855, 2529), (872, 2553), (890, 2577), (919, 2601), (989, 2700), (993, 2706), (1052, 2763),

Gene: Hegedechwinu_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Hegedechwinu_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (275, 880), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (315, 979), (316, 982), (330, 1021), (337, 1042), (356, 1069), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845,

1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101),

Gene: Heinz_2 Start: 511, Stop: 2103, Start Num: 113

Candidate Starts for Heinz_2:

(Start: 113 @511 has 11 MA's), (217, 646), (219, 652), (243, 694), (283, 733), (285, 739), (291, 769), (310, 817), (343, 877), (374, 919), (375, 922), (387, 946), (388, 949), (416, 976), (435, 1039), (456, 1111), (473, 1141), (475, 1147), (476, 1150), (477, 1153), (610, 1396), (619, 1417), (625, 1432), (627, 1435), (636, 1447), (677, 1507), (709, 1552), (715, 1570), (728, 1609), (797, 1702), (814, 1723), (952, 1927), (1021, 2020), (1038, 2038), (1082, 2092),

Gene: Herb_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Herb_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (755, 1598), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: Hereford_4 Start: 1422, Stop: 3017, Start Num: 110

Candidate Starts for Hereford_4:

(Start: 110 @1422 has 45 MA's), (291, 1680), (299, 1704), (302, 1710), (450, 2001), (461, 2031), (490, 2082), (496, 2091), (555, 2193), (561, 2205), (627, 2328), (715, 2457), (844, 2685), (871, 2727), (1082, 3006),

Gene: Hernandez44_3 Start: 1176, Stop: 2636, Start Num: 108

Candidate Starts for Hernandez44_3:

(Start: 108 @1176 has 144 MA's), (Start: 114 @1182 has 2 MA's), (Start: 236 @1344 has 15 MA's), (240, 1353), (282, 1413), (303, 1482), (319, 1503), (337, 1554), (449, 1758), (550, 1893), (590, 1971), (601, 1986), (619, 2022), (642, 2064), (664, 2097), (679, 2115), (737, 2235), (738, 2238), (746, 2250), (803, 2325), (862, 2388), (867, 2397), (872, 2406), (873, 2409), (1010, 2571), (1015, 2580), (1021, 2589), (1053, 2628),

Gene: Hibiscus_2 Start: 511, Stop: 2103, Start Num: 113

Candidate Starts for Hibiscus_2:

(Start: 113 @511 has 11 MA's), (217, 646), (243, 694), (283, 733), (291, 769), (310, 817), (343, 877), (374, 919), (375, 922), (387, 946), (388, 949), (416, 976), (435, 1039), (456, 1111), (473, 1141), (475, 1147), (476, 1150), (610, 1399), (619, 1420), (625, 1435), (627, 1438), (636, 1450), (677, 1510), (709, 1555), (715, 1573), (718, 1582), (728, 1612), (797, 1705), (814, 1726), (821, 1735), (860, 1795), (890, 1855), (952, 1927), (976, 1957), (1015, 2011), (1021, 2020), (1038, 2038), (1082, 2092),

Gene: Hilltopfarm_9 Start: 4704, Stop: 6329, Start Num: 75

Candidate Starts for Hilltopfarm_9:

(25, 4623), (27, 4638), (53, 4680), (Start: 75 @4704 has 5 MA's), (Start: 79 @4710 has 76 MA's), (Start: 208 @4878 has 2 MA's), (214, 4890), (219, 4902), (299, 5046), (333, 5142), (336, 5151), (387, 5229), (390, 5235), (427, 5292), (432, 5307), (458, 5397), (475, 5430), (476, 5433), (547, 5505), (578, 5562), (601, 5610), (611, 5631), (616, 5643), (622, 5655), (636, 5679), (648, 5703), (651, 5709), (697, 5766), (709, 5784), (753, 5886), (781, 5928), (824, 5991), (830, 6000), (833, 6006), (897, 6120), (934, 6132), (956, 6150), (986, 6192), (1016, 6234), (1028, 6249),

Gene: Hitter_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Hitter_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367,

795), (388, 822), (430, 891), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Holliday_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for Holliday_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: Homura_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Homura_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Hope_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Hope_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Horacetta_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Horacetta_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: HorseRider_2 Start: 351, Stop: 1808, Start Num: 95

Candidate Starts for HorseRider_2:

(Start: 95 @351 has 2 MA's), (101, 360), (107, 366), (305, 633), (336, 699), (448, 903), (478, 966), (626, 1191), (656, 1239), (693, 1287), (726, 1350), (728, 1359), (839, 1518), (877, 1569), (883, 1581), (949, 1644), (965, 1662), (1031, 1755), (1041, 1764), (1069, 1797),

Gene: Hortense_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Hortense_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (488, 1008), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (821, 1536), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (980, 1785), (1020, 1827),

Gene: Horus_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Horus_3:

(124, 664), (Start: 154 @673 has 85 MA's), (Start: 215 @775 has 1 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (235, 808), (256, 847), (262, 853), (277, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (330, 1024), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (448, 1249), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (487, 1324), (491, 1330), (540, 1399), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (691, 1657), (707, 1681), (743, 1759), (760, 1786), (769, 1795), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113), (1072, 2182),

Gene: Hotshotbaby7_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Hotshotbaby7_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Howe_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Howe_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (488, 1008), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (821, 1536), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (980, 1785), (1020, 1827),

Gene: Huckleberry_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Huckleberry_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (294, 741), (299, 756), (302, 762), (310, 780), (405, 942), (416, 963), (450, 1077), (476, 1137), (516, 1203), (533, 1236), (551, 1266), (559, 1281), (619, 1362), (665, 1440), (674, 1449), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (987, 1857),

Gene: Huffy_9 Start: 3697, Stop: 5304, Start Num: 111

Candidate Starts for Huffy_9:

(Start: 52 @3619 has 3 MA's), (Start: 111 @3697 has 6 MA's), (283, 3925), (293, 3967), (326, 4030), (333, 4051), (416, 4189), (434, 4243), (458, 4327), (460, 4330), (461, 4333), (476, 4363), (619, 4570), (695, 4693), (725, 4780), (731, 4795), (738, 4810), (781, 4873), (835, 4942), (860, 4984), (901, 5059), (902, 5062), (933, 5095), (987, 5161), (1024, 5212), (1084, 5290), (1087, 5296),

Gene: Hulk_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Hulk_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (550, 1803), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (867, 2307), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Hunnie_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Hunnie_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772),

(738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: HunterDalle_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for HunterDalle_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (296, 750), (299, 759), (310, 783), (337, 837), (416, 966), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (674, 1452), (720, 1527), (721, 1530), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: Huntingdon_5 Start: 3080, Stop: 4645, Start Num: 79

Candidate Starts for Huntingdon_5:

(Start: 79 @3080 has 76 MA's), (Start: 212 @3254 has 10 MA's), (Start: 234 @3290 has 4 MA's), (281, 3344), (291, 3386), (299, 3410), (374, 3536), (427, 3650), (432, 3665), (434, 3671), (450, 3731), (476, 3791), (516, 3857), (533, 3890), (551, 3920), (559, 3935), (586, 3968), (604, 3983), (619, 4016), (674, 4103), (814, 4322), (829, 4343), (860, 4364), (896, 4433), (987, 4511), (1015, 4550), (1041, 4580), (1053, 4592), (1080, 4631), (1084, 4640),

Gene: Hurricane_7 Start: 1494, Stop: 2918, Start Num: 167

Candidate Starts for Hurricane_7:

(Start: 111 @1455 has 6 MA's), (Start: 156 @1482 has 11 MA's), (Start: 167 @1494 has 168 MA's), (Start: 215 @1581 has 1 MA's), (Start: 229 @1605 has 18 MA's), (279, 1689), (283, 1698), (295, 1746), (302, 1764), (315, 1782), (333, 1833), (361, 1875), (367, 1881), (387, 1908), (431, 1986), (445, 2028), (447, 2037), (490, 2118), (501, 2136), (579, 2232), (609, 2280), (613, 2292), (631, 2322), (644, 2346), (651, 2358), (709, 2442), (726, 2484), (797, 2583), (800, 2586), (829, 2628), (838, 2643), (843, 2649), (853, 2670), (855, 2673), (993, 2850), (1056, 2913),

Gene: Hyperbowlee_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Hyperbowlee_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: IPhane7_14 Start: 4719, Stop: 6263, Start Num: 98

Candidate Starts for IPhane7_14:

(Start: 98 @4719 has 36 MA's), (141, 4767), (282, 4968), (333, 5106), (443, 5298), (566, 5508), (595, 5559), (637, 5631), (707, 5694), (715, 5718), (720, 5733), (748, 5793), (755, 5805), (797, 5865), (821, 5898), (843, 5931), (856, 5958), (889, 6006), (1021, 6192), (1040, 6213),

Gene: Icarian_4 Start: 949, Stop: 2574, Start Num: 137

Candidate Starts for Icarian_4:

(Start: 137 @949 has 81 MA's), (240, 1105), (285, 1159), (299, 1213), (307, 1228), (343, 1297), (375, 1342), (416, 1396), (433, 1447), (434, 1450), (450, 1510), (455, 1528), (456, 1531), (471, 1558), (488, 1588), (564, 1750), (694, 1966), (731, 2041), (737, 2053), (958, 2368), (987, 2407),

Gene: Ichiang_4 Start: 1613, Stop: 3313, Start Num: 116

Candidate Starts for Ichiang_4:

(73, 1556), (Start: 98 @1592 has 36 MA's), (Start: 116 @1613 has 19 MA's), (187, 1688), (203, 1736), (Start: 212 @1757 has 10 MA's), (240, 1805), (282, 1850), (283, 1853), (293, 1895), (299, 1913), (300, 1916), (302, 1919), (375, 2042), (387, 2066), (416, 2096), (434, 2150), (450, 2210), (475, 2267), (476, 2270), (490, 2291), (585, 2522), (619, 2588), (625, 2603), (715, 2774), (735, 2822), (738, 2831), (762,

2873), (794, 2906), (823, 2945), (862, 2987), (947, 3077), (967, 3104), (970, 3107), (974, 3113), (987, 3134), (1017, 3176), (1075, 3254), (1092, 3302),

Gene: Idaho_3 Start: 471, Stop: 2039, Start Num: 59

Candidate Starts for Idaho_3:

(Start: 59 @471 has 1 MA's), (Start: 162 @576 has 1 MA's), (219, 684), (Start: 221 @687 has 1 MA's), (294, 825), (331, 900), (332, 903), (334, 909), (336, 915), (345, 927), (349, 936), (374, 969), (431, 1071), (453, 1146), (527, 1260), (546, 1290), (549, 1293), (561, 1317), (581, 1347), (588, 1359), (604, 1377), (614, 1398), (651, 1470), (677, 1503), (709, 1545), (714, 1560), (718, 1572), (738, 1617), (746, 1629), (753, 1644), (766, 1668), (795, 1719), (807, 1737), (835, 1779), (838, 1785), (847, 1794), (931, 1917), (961, 1953), (981, 1983),

Gene: IdentityCrisis_2 Start: 663, Stop: 2147, Start Num: 173

Candidate Starts for IdentityCrisis_2:

(89, 600), (Start: 173 @663 has 4 MA's), (Start: 215 @747 has 1 MA's), (295, 909), (315, 945), (333, 996), (336, 1005), (445, 1191), (449, 1212), (460, 1233), (466, 1245), (490, 1281), (495, 1290), (532, 1353), (609, 1491), (613, 1503), (707, 1644), (709, 1650), (741, 1719), (751, 1737), (776, 1767), (800, 1791), (821, 1821), (843, 1854), (855, 1878), (890, 1932), (919, 1956),

Gene: Idergollasper_30 Start: 13074, Stop: 14588, Start Num: 76

Candidate Starts for Idergollasper_30:

(Start: 76 @13074 has 17 MA's), (Start: 78 @13077 has 19 MA's), (Start: 215 @13257 has 1 MA's), (269, 13350), (294, 13425), (310, 13458), (323, 13485), (333, 13515), (431, 13668), (433, 13674), (445, 13710), (447, 13719), (490, 13800), (495, 13809), (497, 13812), (540, 13851), (576, 13908), (596, 13944), (601, 13947), (706, 14103), (709, 14112), (737, 14181), (741, 14190), (746, 14196), (769, 14229), (800, 14265), (855, 14352), (871, 14373), (932, 14436), (935, 14439), (938, 14442), (947, 14460), (963, 14481), (993, 14523), (1026, 14559), (1047, 14571),

Gene: Illumine_8 Start: 1604, Stop: 3025, Start Num: 167

Candidate Starts for Illumine_8:

(88, 1532), (Start: 156 @1592 has 11 MA's), (Start: 167 @1604 has 168 MA's), (Start: 229 @1715 has 18 MA's), (233, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (333, 1943), (361, 1985), (367, 1991), (387, 2018), (388, 2021), (431, 2096), (445, 2138), (447, 2147), (490, 2228), (579, 2342), (609, 2390), (613, 2402), (631, 2432), (644, 2456), (651, 2468), (661, 2483), (709, 2552), (723, 2591), (800, 2696), (823, 2729), (855, 2783), (993, 2960), (1052, 3014),

Gene: Imara_29 Start: 13323, Stop: 14837, Start Num: 76

Candidate Starts for Imara_29:

(Start: 76 @13323 has 17 MA's), (Start: 78 @13326 has 19 MA's), (Start: 215 @13506 has 1 MA's), (269, 13599), (294, 13674), (310, 13707), (323, 13734), (333, 13764), (431, 13917), (433, 13923), (445, 13959), (447, 13968), (490, 14049), (495, 14058), (497, 14061), (540, 14100), (576, 14157), (596, 14193), (601, 14196), (706, 14352), (709, 14361), (737, 14430), (741, 14439), (746, 14445), (769, 14478), (800, 14514), (855, 14601), (871, 14622), (932, 14685), (935, 14688), (938, 14691), (947, 14709), (963, 14730), (993, 14772), (1026, 14808), (1047, 14820),

Gene: Immaculata_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Immaculata_5:

(Start: 79 @3127 has 76 MA's), (Start: 234 @3337 has 4 MA's), (281, 3391), (299, 3457), (310, 3481), (427, 3697), (432, 3712), (434, 3718), (450, 3778), (476, 3838), (533, 3937), (551, 3967), (559, 3982), (619, 4063), (665, 4141), (674, 4150), (707, 4186), (720, 4225), (735, 4258), (738, 4267), (753, 4294), (797, 4348), (829, 4390), (860, 4411), (873, 4435), (883, 4456), (896, 4480), (987, 4558), (1080, 4678),

Gene: Impisi_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Impisi_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (232, 635), (Start: 234 @638 has 4 MA's), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: InLimbo_2 Start: 312, Stop: 1757, Start Num: 120

Candidate Starts for InLimbo_2:

(Start: 120 @312 has 2 MA's), (Start: 196 @375 has 6 MA's), (256, 486), (315, 615), (336, 675), (367, 714), (426, 804), (438, 846), (447, 870), (453, 894), (460, 903), (464, 912), (466, 915), (562, 1041), (631, 1158), (691, 1239), (707, 1266), (709, 1272), (741, 1341), (779, 1383), (797, 1410), (808, 1425), (830, 1455), (838, 1470), (843, 1476), (855, 1500), (919, 1575), (935, 1590), (989, 1674), (993, 1680), (999, 1686), (1004, 1692), (1006, 1695),

Gene: IndyLu_3 Start: 768, Stop: 2396, Start Num: 137

Candidate Starts for IndyLu_3:

(Start: 137 @768 has 81 MA's), (240, 924), (299, 1032), (326, 1077), (343, 1116), (374, 1158), (416, 1215), (433, 1266), (434, 1269), (450, 1329), (455, 1347), (471, 1377), (488, 1407), (738, 1878), (814, 1980), (987, 2229), (1021, 2277), (1047, 2301), (1080, 2346),

Gene: Inky_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Inky_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Inspire2_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Inspire2_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Invectra_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Invectra_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (413, 1318), (415, 1321), (426, 1357), (445, 1414), (447, 1423), (450, 1438), (488, 1510), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: InvictusManeo_6 Start: 1331, Stop: 2758, Start Num: 175

Candidate Starts for InvictusManeo_6:

(Start: 175 @1331 has 25 MA's), (204, 1388), (Start: 215 @1409 has 1 MA's), (Start: 229 @1433 has 18 MA's), (279, 1517), (283, 1526), (285, 1532), (295, 1574), (302, 1592), (315, 1610), (333, 1661), (359, 1700), (387, 1736), (431, 1814), (445, 1856), (447, 1865), (448, 1868), (490, 1946), (579, 2060), (609, 2108), (613, 2120), (631, 2150), (651, 2186), (671, 2213), (709, 2270), (741, 2354), (755, 2378),

(821, 2456), (855, 2513), (872, 2537), (890, 2561), (993, 2690), (1052, 2747),

Gene: IsHungry_6 Start: 1935, Stop: 3632, Start Num: 116

Candidate Starts for IsHungry_6:

(35, 1818), (Start: 57 @1854 has 1 MA's), (70, 1872), (91, 1902), (Start: 116 @1935 has 19 MA's), (203, 2055), (Start: 212 @2076 has 10 MA's), (219, 2091), (240, 2124), (281, 2166), (282, 2169), (293, 2214), (299, 2232), (300, 2235), (337, 2310), (375, 2361), (416, 2415), (434, 2469), (450, 2529), (490, 2610), (525, 2685), (619, 2907), (625, 2922), (642, 2949), (668, 2988), (674, 2994), (678, 3000), (704, 3060), (715, 3093), (738, 3150), (762, 3192), (794, 3225), (823, 3264), (862, 3306), (967, 3423), (974, 3432), (1010, 3483), (1017, 3495), (1075, 3573), (1092, 3621),

Gene: Itos_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Itos_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Izel_15 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for Izel_15:

(Start: 98 @4718 has 36 MA's), (141, 4766), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: IzzyPants24_3 Start: 1113, Stop: 2573, Start Num: 108

Candidate Starts for IzzyPants24_3:

(Start: 108 @1113 has 144 MA's), (Start: 114 @1119 has 2 MA's), (Start: 236 @1281 has 15 MA's), (240, 1290), (282, 1350), (303, 1419), (319, 1440), (337, 1491), (449, 1695), (550, 1830), (590, 1908), (601, 1923), (610, 1941), (619, 1959), (642, 2001), (664, 2034), (679, 2052), (737, 2172), (738, 2175), (746, 2187), (751, 2199), (760, 2211), (803, 2262), (858, 2319), (862, 2325), (867, 2334), (872, 2343), (873, 2346), (1010, 2508), (1015, 2517), (1021, 2526), (1053, 2565),

Gene: JAWS_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for JAWS_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: JCole_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for JCole_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (283, 582), (292, 621), (295, 630), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: JF1_9 Start: 2465, Stop: 3910, Start Num: 167

Candidate Starts for JF1_9:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445,

2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: JRok_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for JRok_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Jabb_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for Jabb_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Jabbawokkie_4 Start: 1187, Stop: 2707, Start Num: 154

Candidate Starts for Jabbawokkie_4:

(121, 1175), (Start: 154 @1187 has 85 MA's), (Start: 229 @1313 has 18 MA's), (235, 1322), (262, 1367), (275, 1397), (277, 1400), (281, 1406), (292, 1451), (300, 1475), (315, 1496), (330, 1538), (337, 1559), (356, 1586), (368, 1604), (371, 1607), (387, 1631), (415, 1658), (433, 1715), (445, 1751), (447, 1760), (449, 1772), (451, 1778), (460, 1793), (466, 1805), (487, 1838), (491, 1844), (515, 1880), (520, 1889), (542, 1919), (555, 1949), (556, 1952), (610, 2048), (613, 2057), (628, 2084), (685, 2168), (701, 2183), (755, 2294), (760, 2303), (769, 2312), (821, 2375), (868, 2450), (873, 2462), (890, 2480), (932, 2516), (962, 2558), (966, 2564), (993, 2606), (1004, 2618), (1012, 2630), (1071, 2696),

Gene: Jahseh_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Jahseh_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: JaimeB_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for JaimeB_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: JalFarm20_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for JalFarm20_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Jalammah_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Jalammah_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (896, 1689), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Jalleen_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Jalleen_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Jalloh_2 Start: 350, Stop: 1807, Start Num: 95

Candidate Starts for Jalloh_2:

(Start: 95 @350 has 2 MA's), (107, 365), (305, 632), (336, 698), (431, 848), (433, 854), (448, 902), (478, 965), (626, 1190), (656, 1238), (726, 1349), (728, 1358), (797, 1460), (839, 1517), (883, 1580), (949, 1643), (965, 1661), (1031, 1754), (1041, 1763), (1069, 1796),

Gene: Jamie19_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Jamie19_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Jamun_3 Start: 1027, Stop: 2607, Start Num: 152

Candidate Starts for Jamun_3:

(Start: 85 @961 has 13 MA's), (Start: 152 @1027 has 16 MA's), (Start: 212 @1123 has 10 MA's), (217, 1132), (285, 1225), (294, 1264), (299, 1279), (310, 1303), (450, 1576), (454, 1588), (455, 1594), (476, 1636), (490, 1657), (521, 1717), (531, 1747), (534, 1756), (564, 1819), (693, 2035), (702, 2047), (720, 2086), (731, 2113), (738, 2128), (755, 2158), (790, 2197), (796, 2206), (801, 2215), (829, 2251), (863, 2305), (1017, 2515), (1055, 2557), (1082, 2596),

Gene: Jane_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Jane_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: JanetJ_3 Start: 1011, Stop: 2603, Start Num: 110

Candidate Starts for JanetJ_3:

(Start: 110 @1011 has 45 MA's), (Start: 162 @1053 has 1 MA's), (291, 1269), (299, 1293), (302, 1299), (432, 1524), (450, 1590), (476, 1650), (490, 1671), (496, 1680), (555, 1782), (561, 1794), (627, 1917), (682, 2001), (794, 2202), (871, 2316), (1082, 2592),

Gene: JangDynasty_30 Start: 13169, Stop: 14683, Start Num: 76

Candidate Starts for JangDynasty_30:

(Start: 76 @13169 has 17 MA's), (Start: 78 @13172 has 19 MA's), (Start: 215 @13352 has 1 MA's), (269, 13445), (294, 13520), (310, 13553), (323, 13580), (333, 13610), (431, 13763), (433, 13769), (445, 13805), (447, 13814), (490, 13895), (495, 13904), (497, 13907), (540, 13946), (576, 14003), (596, 14039), (601, 14042), (706, 14198), (709, 14207), (737, 14276), (741, 14285), (746, 14291), (769, 14324), (800, 14360), (855, 14447), (871, 14468), (932, 14531), (935, 14534), (938, 14537), (947, 14555), (963, 14576), (993, 14618), (1026, 14654), (1047, 14666),

Gene: Jankie_2 Start: 463, Stop: 1983, Start Num: 115

Candidate Starts for Jankie_2:

(Start: 115 @463 has 2 MA's), (204, 589), (218, 619), (254, 655), (329, 826), (331, 832), (419, 949), (445, 1033), (449, 1054), (463, 1087), (477, 1111), (522, 1183), (652, 1411), (707, 1483), (717, 1513), (809, 1642), (847, 1699), (853, 1714), (944, 1801), (979, 1855), (1063, 1972),

Gene: Jannah_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Jannah_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Jarvi_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Jarvi_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: JasperJr_2 Start: 361, Stop: 1929, Start Num: 128

Candidate Starts for JasperJr_2:

(49, 256), (Start: 128 @361 has 39 MA's), (Start: 196 @445 has 6 MA's), (210, 478), (238, 520), (247, 538), (257, 553), (272, 574), (282, 595), (291, 634), (315, 694), (329, 730), (333, 742), (360, 784), (367, 796), (388, 823), (432, 901), (468, 1006), (477, 1021), (488, 1036), (544, 1114), (569, 1165), (676, 1321), (691, 1342), (705, 1360), (707, 1366), (730, 1432), (737, 1444), (769, 1489), (772, 1492), (779, 1498), (794, 1519), (800, 1528), (801, 1531), (847, 1600), (904, 1702), (936, 1744), (945, 1759), (971, 1795), (1050, 1891), (1058, 1903), (1067, 1912),

Gene: Jayhawk_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for Jayhawk_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: JeanClaude_2 Start: 371, Stop: 1759, Start Num: 196

Candidate Starts for JeanClaude_2:

(43, 170), (46, 173), (54, 185), (Start: 102 @257 has 55 MA's), (Start: 156 @311 has 11 MA's), (Start: 196 @371 has 6 MA's), (204, 392), (Start: 215 @413 has 1 MA's), (237, 446), (256, 482), (281, 527), (282, 530), (290, 566), (295, 581), (310, 611), (323, 638), (367, 716), (447, 872), (448, 875), (511, 980), (604, 1106), (609, 1115), (705, 1256), (707, 1262), (709, 1268), (734, 1328), (737, 1334), (760, 1373), (787, 1400), (794, 1409), (846, 1487), (855, 1505), (901, 1562), (999, 1682), (1013, 1703), (1052,

1748),

Gene: Jeanie_2 Start: 520, Stop: 1905, Start Num: 169

Candidate Starts for Jeanie_2:

(Start: 169 @520 has 5 MA's), (Start: 208 @586 has 2 MA's), (Start: 221 @613 has 1 MA's), (294, 736), (295, 739), (302, 757), (333, 820), (336, 829), (337, 832), (395, 901), (417, 934), (424, 958), (433, 985), (448, 1033), (503, 1132), (549, 1165), (555, 1177), (561, 1189), (648, 1345), (658, 1360), (694, 1408), (718, 1453), (721, 1462), (733, 1486), (753, 1525), (1013, 1825), (1069, 1891),

Gene: Jebeks_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Jebeks_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (660, 1478), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Jeckyll_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Jeckyll_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Jecs_2 Start: 520, Stop: 2169, Start Num: 93

Candidate Starts for Jecs_2:

(Start: 93 @520 has 5 MA's), (Start: 117 @550 has 7 MA's), (238, 721), (333, 931), (336, 940), (346, 961), (404, 1054), (450, 1189), (528, 1324), (538, 1339), (589, 1432), (617, 1465), (676, 1546), (686, 1564), (689, 1567), (704, 1585), (707, 1594), (758, 1711), (767, 1720), (846, 1831), (853, 1849), (896, 1921), (920, 1957), (962, 2011), (1041, 2122),

Gene: Jeilious_2 Start: 454, Stop: 1890, Start Num: 178

Candidate Starts for Jeilious_2:

(Start: 77 @358 has 24 MA's), (Start: 178 @454 has 43 MA's), (Start: 179 @457 has 5 MA's), (Start: 197 @493 has 1 MA's), (Start: 215 @532 has 1 MA's), (295, 694), (333, 781), (336, 790), (346, 808), (359, 820), (433, 940), (445, 976), (449, 997), (460, 1018), (490, 1066), (495, 1075), (609, 1228), (641, 1288), (652, 1306), (694, 1357), (709, 1384), (715, 1399), (716, 1402), (760, 1483), (796, 1528), (846, 1603), (855, 1621), (870, 1642), (915, 1687), (930, 1705), (932, 1708), (993, 1801), (1054, 1882),

Gene: Jella_3 Start: 1098, Stop: 2558, Start Num: 108

Candidate Starts for Jella_3:

(Start: 108 @1098 has 144 MA's), (Start: 114 @1104 has 2 MA's), (Start: 236 @1266 has 15 MA's), (240, 1275), (282, 1335), (303, 1404), (319, 1425), (337, 1476), (449, 1680), (590, 1893), (601, 1908), (619, 1944), (642, 1986), (664, 2019), (679, 2037), (737, 2157), (738, 2160), (746, 2172), (803, 2247), (862, 2310), (872, 2328), (873, 2331), (1010, 2493), (1015, 2502), (1021, 2511), (1053, 2550),

Gene: Jerky_3 Start: 1155, Stop: 2615, Start Num: 108

Candidate Starts for Jerky_3:

(Start: 108 @1155 has 144 MA's), (Start: 114 @1161 has 2 MA's), (Start: 236 @1323 has 15 MA's), (240, 1332), (282, 1392), (303, 1461), (319, 1482), (337, 1533), (449, 1737), (550, 1872), (590, 1950), (601, 1965), (619, 2001), (642, 2043), (664, 2076), (679, 2094), (737, 2214), (738, 2217), (746, 2229), (803, 2304), (862, 2367), (872, 2385), (873, 2388), (1010, 2550), (1015, 2559), (1021, 2568),

Gene: Jerole_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Jerole_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Jessica_5 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Jessica_5:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Jflix2_8 Start: 5554, Stop: 7107, Start Num: 153

Candidate Starts for Jflix2_8:

(Start: 148 @5548 has 6 MA's), (Start: 153 @5554 has 41 MA's), (284, 5788), (365, 5965), (384, 6001), (386, 6004), (436, 6115), (443, 6133), (448, 6148), (460, 6175), (616, 6427), (630, 6448), (661, 6499), (762, 6691), (905, 6874), (951, 6937), (961, 6952), (978, 6976), (1040, 7054),

Gene: JoBros_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for JoBros_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Joann_5 Start: 3072, Stop: 4637, Start Num: 79

Candidate Starts for Joann_5:

(Start: 79 @3072 has 76 MA's), (Start: 212 @3246 has 10 MA's), (Start: 234 @3282 has 4 MA's), (281, 3336), (284, 3345), (291, 3378), (299, 3402), (310, 3426), (374, 3528), (427, 3642), (432, 3657), (434, 3663), (450, 3723), (476, 3783), (533, 3882), (551, 3912), (559, 3927), (604, 3975), (674, 4095), (720, 4170), (735, 4203), (753, 4239), (814, 4314), (829, 4335), (860, 4356), (896, 4425), (987, 4503), (1015, 4542), (1041, 4572), (1053, 4584), (1080, 4623), (1084, 4632),

Gene: Job42_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Job42_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (256, 844), (262, 850), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (330, 1021), (356, 1069), (363, 1078), (368, 1087), (371, 1090), (415, 1141), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (834, 1879), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Jobypre_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Jobypre_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123),

(663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: JoeDirt_4 Start: 1059, Stop: 2636, Start Num: 78

Candidate Starts for JoeDirt_4:

(Start: 74 @1053 has 76 MA's), (Start: 78 @1059 has 19 MA's), (206, 1230), (269, 1317), (281, 1335), (283, 1341), (291, 1377), (358, 1515), (360, 1518), (413, 1593), (431, 1647), (432, 1650), (433, 1653), (515, 1821), (554, 1875), (558, 1884), (566, 1899), (576, 1920), (603, 1959), (614, 1980), (616, 1986), (633, 2013), (663, 2055), (688, 2079), (704, 2097), (707, 2106), (709, 2112), (720, 2145), (735, 2178), (755, 2217), (758, 2223), (760, 2226), (801, 2271), (846, 2337), (875, 2388), (887, 2403), (893, 2412), (905, 2427), (907, 2430), (1000, 2532), (1017, 2559), (1055, 2610), (1057, 2613),

Gene: Johnathan_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for Johnathan_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (326, 998), (332, 1016), (343, 1037), (362, 1061), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (910, 2054), (987, 2150), (1021, 2198), (1092, 2306),

Gene: Jojo24_2 Start: 521, Stop: 2098, Start Num: 113

Candidate Starts for Jojo24_2:

(Start: 113 @521 has 11 MA's), (243, 704), (283, 743), (285, 749), (291, 779), (343, 887), (387, 956), (416, 986), (456, 1121), (473, 1151), (475, 1157), (476, 1160), (619, 1427), (625, 1442), (627, 1445), (636, 1457), (677, 1517), (709, 1562), (715, 1580), (718, 1589), (728, 1619), (797, 1712), (814, 1733), (821, 1742), (860, 1802), (873, 1826), (952, 1922), (1021, 2015), (1038, 2033), (1082, 2087),

Gene: Jolene_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Jolene_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Jolie2_2 Start: 376, Stop: 1950, Start Num: 77

Candidate Starts for Jolie2_2:

(Start: 77 @376 has 24 MA's), (204, 544), (315, 763), (333, 814), (336, 823), (352, 853), (370, 865), (415, 916), (433, 973), (445, 1009), (449, 1030), (461, 1054), (490, 1099), (495, 1108), (609, 1261), (652, 1339), (682, 1384), (709, 1435), (760, 1534), (769, 1543), (821, 1615), (829, 1627), (838, 1642), (843, 1648), (846, 1654), (853, 1669), (855, 1672), (870, 1693), (915, 1750), (919, 1756), (930, 1768), (932, 1771), (989, 1858), (1052, 1939), (1056, 1945),

Gene: Jonghyun_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Jonghyun_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: JooneeDee_3 Start: 1104, Stop: 2564, Start Num: 108

Candidate Starts for JooneeDee_3:

(Start: 108 @1104 has 144 MA's), (Start: 114 @1110 has 2 MA's), (Start: 236 @1272 has 15 MA's), (240, 1281), (282, 1341), (303, 1410), (319, 1431), (337, 1482), (449, 1686), (550, 1821), (590, 1899),

(601, 1914), (610, 1932), (619, 1950), (642, 1992), (664, 2025), (679, 2043), (737, 2163), (738, 2166), (746, 2178), (751, 2190), (760, 2202), (803, 2253), (858, 2310), (862, 2316), (867, 2325), (872, 2334), (873, 2337), (1010, 2499), (1015, 2508), (1021, 2517), (1053, 2556),

Gene: JorRay_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for JorRay_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Josuke_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Josuke_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Journey_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Journey_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Jovita_3 Start: 802, Stop: 2430, Start Num: 137

Candidate Starts for Jovita_3:

(Start: 137 @802 has 81 MA's), (240, 958), (299, 1066), (343, 1150), (362, 1174), (374, 1192), (416, 1249), (433, 1300), (434, 1303), (450, 1363), (455, 1381), (471, 1411), (488, 1441), (731, 1897), (738, 1912), (987, 2263), (1092, 2419),

Gene: Joy99_8 Start: 1563, Stop: 2987, Start Num: 167

Candidate Starts for Joy99_8:

(88, 1491), (Start: 156 @1551 has 11 MA's), (Start: 167 @1563 has 168 MA's), (Start: 229 @1674 has 18 MA's), (233, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (333, 1902), (361, 1944), (367, 1950), (387, 1977), (388, 1980), (445, 2097), (447, 2106), (490, 2187), (579, 2301), (609, 2349), (613, 2361), (631, 2391), (644, 2415), (651, 2427), (661, 2442), (707, 2505), (709, 2511), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: JuJu_2 Start: 352, Stop: 1959, Start Num: 120

Candidate Starts for JuJu_2:

(Start: 120 @352 has 2 MA's), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (238, 517), (247, 535), (257, 550), (272, 571), (291, 631), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (450, 961), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (760, 1477), (794, 1516), (797, 1522), (801, 1528), (823, 1558), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (1048, 1888), (1078, 1942),

Gene: Jubie_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Jubie_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: Juice456_3 Start: 797, Stop: 2158, Start Num: 229

Candidate Starts for Juice456_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (275, 881), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (330, 1022), (337, 1043), (356, 1070), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102),

Gene: Julie_6 Start: 2172, Stop: 3869, Start Num: 116

Candidate Starts for Julie_6:

(91, 2139), (Start: 116 @2172 has 19 MA's), (203, 2292), (Start: 212 @2313 has 10 MA's), (219, 2328), (240, 2361), (281, 2403), (282, 2406), (293, 2451), (299, 2469), (300, 2472), (337, 2547), (375, 2598), (416, 2652), (450, 2766), (475, 2823), (476, 2826), (490, 2847), (525, 2922), (619, 3144), (625, 3159), (674, 3231), (678, 3237), (704, 3297), (715, 3330), (728, 3369), (738, 3387), (762, 3429), (794, 3462), (823, 3501), (862, 3543), (883, 3585), (967, 3660), (974, 3669), (1017, 3732), (1092, 3858),

Gene: Juliette_9 Start: 2575, Stop: 3915, Start Num: 229

Candidate Starts for Juliette_9:

(Start: 167 @2470 has 168 MA's), (Start: 229 @2575 has 18 MA's), (279, 2659), (283, 2668), (295, 2716), (315, 2758), (333, 2809), (340, 2827), (367, 2857), (387, 2884), (431, 2962), (445, 3004), (447, 3013), (448, 3016), (490, 3094), (495, 3103), (539, 3142), (579, 3208), (609, 3256), (631, 3298), (644, 3322), (709, 3415), (725, 3457), (741, 3502), (797, 3571), (829, 3616), (838, 3631), (843, 3637), (855, 3661), (993, 3838), (1052, 3904), (1056, 3910),

Gene: Jumboset_5 Start: 3286, Stop: 4641, Start Num: 234

Candidate Starts for Jumboset_5:

(Start: 79 @3076 has 76 MA's), (Start: 234 @3286 has 4 MA's), (281, 3340), (299, 3406), (310, 3430), (427, 3646), (432, 3661), (434, 3667), (450, 3727), (476, 3787), (533, 3886), (551, 3916), (559, 3931), (619, 4012), (665, 4090), (674, 4099), (707, 4135), (720, 4174), (735, 4207), (738, 4216), (753, 4243), (797, 4297), (829, 4339), (873, 4384), (883, 4405), (896, 4429), (987, 4507), (1080, 4627),

Gene: Jung_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Jung_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Juniormint_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Juniormint_2:

(Start: 51 @413 has 50 MA's), (Start: 137 @524 has 81 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Juno112_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for Juno112_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (534, 1141), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (840, 1654), (844, 1660), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 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), (264, 883), (291, 964), (329, 1048), (333, 1060), (394, 1147), (433, 1237), (469, 1342), (545, 1495), (554, 1513), (588, 1582), (669, 1699), (704, 1741), (707, 1750), (730, 1816), (748, 1846), (817, 1936), (823, 1945), (826, 1951), (829, 1954), (843, 1975), (904, 2083), (914, 2098), (936, 2125), (968, 2170), (980, 2188), (1007, 2224), (1021, 2230), (1044, 2260),

Gene: KHumphrey_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for KHumphrey_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (840, 1654), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: KNG13_4 Start: 607, Stop: 2163, Start Num: 74

Candidate Starts for KNG13_4:

(Start: 74 @607 has 76 MA's), (Start: 84 @619 has 6 MA's), (Start: 125 @658 has 6 MA's), (Start: 162 @700 has 1 MA's), (165, 703), (187, 730), (219, 811), (226, 820), (241, 847), (278, 901), (283, 907), (331, 1027), (332, 1030), (334, 1036), (336, 1042), (337, 1045), (349, 1063), (453, 1273), (527, 1387), (529, 1390), (546, 1417), (549, 1420), (561, 1444), (565, 1453), (604, 1504), (614, 1525), (651, 1597), (670, 1621), (709, 1672), (714, 1687), (718, 1699), (738, 1744), (746, 1756), (862, 1948), (865, 1954), (976, 2101), (981, 2110), (987, 2119),

Gene: Kahlid_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Kahlid_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Kaijohn_3 Start: 1080, Stop: 2540, Start Num: 108

Candidate Starts for Kaijohn_3:

(Start: 108 @1080 has 144 MA's), (Start: 114 @1086 has 2 MA's), (Start: 236 @1248 has 15 MA's), (240, 1257), (282, 1317), (303, 1386), (319, 1407), (337, 1458), (449, 1662), (550, 1797), (590, 1875), (601, 1890), (619, 1926), (642, 1968), (664, 2001), (679, 2019), (693, 2043), (737, 2139), (738, 2142), (746, 2154), (803, 2229), (862, 2292), (872, 2310), (873, 2313), (1010, 2475), (1015, 2484), (1021, 2493), (1053, 2532),

Gene: Kalizoi_5 Start: 3286, Stop: 4641, Start Num: 234

Candidate Starts for Kalizoi_5:

(Start: 79 @3076 has 76 MA's), (Start: 234 @3286 has 4 MA's), (281, 3340), (296, 3397), (299, 3406), (427, 3646), (432, 3661), (434, 3667), (450, 3727), (476, 3787), (533, 3886), (551, 3916), (559, 3931),

(619, 4012), (665, 4090), (674, 4099), (707, 4135), (720, 4174), (735, 4207), (738, 4216), (753, 4243), (797, 4297), (829, 4339), (873, 4384), (883, 4405), (896, 4429), (987, 4507), (1080, 4627),

Gene: Kamaru_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for Kamaru_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: Kamdara_3 Start: 943, Stop: 2562, Start Num: 137

Candidate Starts for Kamdara_3:

(Start: 125 @937 has 6 MA's), (Start: 137 @943 has 81 MA's), (240, 1099), (293, 1189), (299, 1207), (307, 1222), (343, 1291), (362, 1315), (374, 1333), (416, 1390), (433, 1441), (434, 1444), (450, 1504), (456, 1525), (471, 1552), (488, 1582), (668, 1921), (737, 2044), (958, 2359), (987, 2398), (1080, 2515),

Gene: KappaFarmDelta_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for KappaFarmDelta_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (282, 594), (291, 633), (299, 657), (315, 693), (329, 729), (333, 741), (360, 783), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (490, 1038), (544, 1113), (569, 1164), (676, 1320), (691, 1341), (705, 1359), (707, 1365), (730, 1431), (737, 1443), (760, 1479), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (847, 1599), (878, 1659), (904, 1701), (936, 1743), (945, 1758), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: Kareem_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Kareem_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Kari_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Kari_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Kasen3_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Kasen3_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: KashFlow_4 Start: 1954, Stop: 3486, Start Num: 163

Candidate Starts for KashFlow_4:

(Start: 93 @1870 has 5 MA's), (126, 1912), (135, 1921), (Start: 163 @1954 has 17 MA's), (232, 2068), (268, 2131), (284, 2164), (285, 2167), (296, 2212), (330, 2287), (333, 2296), (413, 2398), (415, 2401), (436, 2470), (581, 2719), (616, 2782), (630, 2809), (719, 2968), (735, 3004), (748, 3025), (753, 3034), (758, 3043), (809, 3097), (826, 3121), (1011, 3355), (1018, 3367),

Gene: Kate33_3 Start: 768, Stop: 2396, Start Num: 137

Candidate Starts for Kate33_3:

(Start: 137 @768 has 81 MA's), (240, 924), (299, 1032), (326, 1077), (343, 1116), (374, 1158), (416, 1215), (433, 1266), (434, 1269), (450, 1329), (455, 1347), (471, 1377), (488, 1407), (738, 1878), (814, 1980), (987, 2229), (1021, 2277), (1047, 2301), (1080, 2346),

Gene: Katzastrophic_3 Start: 938, Stop: 2503, Start Num: 137

Candidate Starts for Katzastrophic_3:

(Start: 137 @938 has 81 MA's), (240, 1094), (299, 1202), (337, 1280), (345, 1289), (366, 1316), (416, 1385), (433, 1436), (450, 1499), (488, 1577), (625, 1850), (715, 1988), (792, 2117), (794, 2120), (1031, 2420), (1086, 2495),

Gene: KayPaulus_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for KayPaulus_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: Keelan_32 Start: 9783, Stop: 11189, Start Num: 188

Candidate Starts for Keelan_32:

(141, 9726), (Start: 158 @9747 has 1 MA's), (Start: 188 @9783 has 6 MA's), (193, 9795), (290, 9969), (293, 9978), (308, 10005), (331, 10062), (354, 10116), (432, 10242), (434, 10248), (438, 10266), (447, 10290), (550, 10464), (601, 10521), (616, 10557), (671, 10635), (709, 10698), (748, 10761), (786, 10800), (848, 10893), (874, 10938), (889, 10956), (900, 10971),

Gene: Keiki_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Keiki_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (678, 1314), (704, 1356), (718, 1398), (755, 1467), (769, 1485), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (862, 1602), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1004, 1806), (1021, 1827), (1058, 1875), (1063, 1881),

Gene: Kels_2 Start: 349, Stop: 1851, Start Num: 99

Candidate Starts for Kels_2:

(Start: 99 @349 has 4 MA's), (121, 373), (Start: 221 @508 has 1 MA's), (231, 520), (Start: 234 @526 has 4 MA's), (239, 535), (285, 598), (291, 628), (294, 637), (300, 655), (363, 754), (370, 766), (396, 799), (433, 880), (448, 928), (484, 1009), (585, 1144), (623, 1210), (629, 1222), (648, 1255), (665, 1279), (738, 1411), (753, 1438), (830, 1531), (884, 1615), (890, 1624), (978, 1708), (987, 1723), (1031, 1783), (1062, 1813),

Gene: KendraB23_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for KendraB23_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (248, 1117), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (455, 1525), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Kenna_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Kenna_3:

(124, 664), (Start: 154 @673 has 85 MA's), (Start: 215 @775 has 1 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (235, 808), (256, 847), (262, 853), (277, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (330, 1024), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (448, 1249), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (487, 1324), (491, 1330), (540, 1399), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (691, 1657), (707, 1681), (743, 1759), (760, 1786), (769, 1795), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113), (1072, 2182),

Gene: Kenzers_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for Kenzers_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: Kepler_3 Start: 848, Stop: 2329, Start Num: 212

Candidate Starts for Kepler_3:

(Start: 85 @683 has 13 MA's), (Start: 212 @848 has 10 MA's), (Start: 236 @887 has 15 MA's), (281, 938), (285, 950), (293, 986), (299, 1004), (416, 1187), (427, 1220), (450, 1301), (454, 1313), (476, 1361), (490, 1382), (500, 1397), (527, 1454), (702, 1769), (731, 1835), (737, 1847), (755, 1880), (790, 1919), (797, 1931), (814, 1952), (844, 1997), (863, 2027), (884, 2072), (920, 2114), (947, 2141), (949, 2144), (1017, 2237), (1021, 2243), (1041, 2264), (1053, 2276), (1080, 2315), (1082, 2318),

Gene: Keshu_7 Start: 1473, Stop: 2897, Start Num: 167

Candidate Starts for Keshu_7:

(Start: 111 @1434 has 6 MA's), (Start: 156 @1461 has 11 MA's), (Start: 167 @1473 has 168 MA's), (Start: 215 @1560 has 1 MA's), (Start: 229 @1584 has 18 MA's), (279, 1668), (283, 1677), (295, 1725), (302, 1743), (315, 1761), (333, 1812), (361, 1854), (367, 1860), (387, 1887), (431, 1965), (445, 2007), (447, 2016), (490, 2097), (501, 2115), (579, 2211), (609, 2259), (613, 2271), (631, 2301), (644, 2325), (651, 2337), (709, 2421), (726, 2463), (797, 2562), (800, 2565), (829, 2607), (838, 2622), (843, 2628), (853, 2649), (855, 2652), (993, 2829), (1056, 2892),

Gene: Kevanna_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Kevanna_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: Kevin1_2 Start: 495, Stop: 2030, Start Num: 157

Candidate Starts for Kevin1_2:

(Start: 157 @495 has 25 MA's), (Start: 160 @498 has 23 MA's), (Start: 177 @513 has 1 MA's), (204, 570), (Start: 212 @588 has 10 MA's), (218, 600), (274, 672), (290, 720), (293, 729), (323, 792), (358, 864), (386, 912), (432, 1011), (438, 1035), (448, 1062), (488, 1134), (497, 1149), (506, 1167), (570,

1275), (581, 1299), (616, 1362), (671, 1446), (707, 1503), (712, 1518), (735, 1575), (744, 1593), (759, 1620), (809, 1689), (847, 1746), (859, 1755), (881, 1776), (910, 1809), (920, 1824), (940, 1845), (951, 1860), (1011, 1941), (1014, 1947),

Gene: Khuang_2 Start: 390, Stop: 1988, Start Num: 105

Candidate Starts for Khuang_2:

(56, 318), (Start: 105 @390 has 1 MA's), (203, 507), (285, 630), (326, 759), (416, 918), (434, 972), (449, 1029), (476, 1092), (619, 1341), (636, 1371), (642, 1383), (707, 1470), (715, 1494), (718, 1503), (720, 1509), (735, 1542), (748, 1569), (750, 1572), (797, 1632), (866, 1704), (899, 1767), (947, 1788), (952, 1797), (984, 1836), (1074, 1950), (1075, 1956),

Gene: KiSi_7 Start: 1481, Stop: 2905, Start Num: 167

Candidate Starts for KiSi_7:

(Start: 167 @1481 has 168 MA's), (Start: 215 @1568 has 1 MA's), (Start: 229 @1592 has 18 MA's), (233, 1598), (279, 1676), (283, 1685), (295, 1733), (302, 1751), (315, 1769), (333, 1820), (359, 1859), (387, 1895), (431, 1973), (445, 2015), (447, 2024), (490, 2105), (579, 2219), (606, 2261), (609, 2267), (613, 2279), (631, 2309), (644, 2333), (651, 2345), (661, 2360), (709, 2429), (726, 2471), (797, 2570), (821, 2603), (823, 2606), (846, 2642), (855, 2660), (999, 2843), (1052, 2894),

Gene: Kieran_3 Start: 938, Stop: 2563, Start Num: 125

Candidate Starts for Kieran_3:

(1, 410), (Start: 125 @938 has 6 MA's), (Start: 137 @944 has 81 MA's), (240, 1100), (293, 1190), (299, 1208), (307, 1223), (343, 1292), (362, 1316), (374, 1334), (416, 1391), (433, 1442), (434, 1445), (450, 1505), (456, 1526), (471, 1553), (488, 1583), (668, 1922), (737, 2045), (958, 2360), (987, 2399), (1080, 2516),

Gene: Kihatsu_7 Start: 2288, Stop: 3994, Start Num: 116

Candidate Starts for Kihatsu_7:

(73, 2231), (Start: 98 @2267 has 36 MA's), (Start: 116 @2288 has 19 MA's), (203, 2411), (Start: 212 @2432 has 10 MA's), (219, 2447), (240, 2480), (282, 2525), (283, 2528), (293, 2570), (299, 2588), (300, 2591), (326, 2633), (374, 2714), (375, 2717), (416, 2771), (450, 2885), (490, 2966), (523, 3032), (525, 3041), (585, 3203), (619, 3269), (625, 3284), (715, 3455), (738, 3512), (762, 3554), (794, 3587), (823, 3626), (862, 3668), (952, 3767), (967, 3785), (970, 3788), (974, 3794), (1017, 3857), (1092, 3983),

Gene: Kiko_2 Start: 407, Stop: 2017, Start Num: 131

Candidate Starts for Kiko_2:

(Start: 131 @407 has 13 MA's), (255, 593), (315, 728), (333, 776), (383, 848), (450, 1001), (468, 1043), (488, 1073), (528, 1136), (544, 1187), (579, 1259), (583, 1268), (585, 1271), (602, 1289), (620, 1319), (676, 1394), (718, 1481), (730, 1514), (758, 1559), (794, 1601), (840, 1670), (846, 1679), (853, 1697), (896, 1769), (920, 1805), (950, 1847), (966, 1868), (971, 1874),

Gene: KilKor_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for KilKor_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: KillerTomato_3 Start: 1125, Stop: 2585, Start Num: 108

Candidate Starts for KillerTomato_3:

(Start: 108 @1125 has 144 MA's), (Start: 114 @1131 has 2 MA's), (Start: 236 @1293 has 15 MA's), (240, 1302), (282, 1362), (303, 1431), (319, 1452), (337, 1503), (449, 1707), (550, 1842), (590, 1920),

(601, 1935), (619, 1971), (642, 2013), (664, 2046), (679, 2064), (737, 2184), (738, 2187), (746, 2199), (803, 2274), (862, 2337), (872, 2355), (873, 2358), (1010, 2520), (1021, 2538), (1053, 2577),

Gene: Kimberlium_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Kimberlium_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (275, 881), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (330, 1022), (337, 1043), (356, 1070), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102),

Gene: Kinbote_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Kinbote_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: KingBob_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for KingBob_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (755, 1598), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: KingPhillip3_28 Start: 13074, Stop: 14588, Start Num: 76

Candidate Starts for KingPhillip3_28:

(Start: 76 @13074 has 17 MA's), (Start: 78 @13077 has 19 MA's), (Start: 215 @13257 has 1 MA's), (269, 13350), (294, 13425), (310, 13458), (323, 13485), (333, 13515), (431, 13668), (433, 13674), (445, 13710), (447, 13719), (490, 13800), (495, 13809), (497, 13812), (540, 13851), (576, 13908), (596, 13944), (601, 13947), (706, 14103), (709, 14112), (737, 14181), (741, 14190), (746, 14196), (769, 14229), (800, 14265), (855, 14352), (871, 14373), (932, 14436), (935, 14439), (938, 14442), (947, 14460), (963, 14481), (993, 14523), (1026, 14559), (1047, 14571),

Gene: Kingsley_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Kingsley_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Kingsolomon_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Kingsolomon_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655),

(413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: KirDoubleO7_3 Start: 1202, Stop: 2767, Start Num: 74

Candidate Starts for KirDoubleO7_3:

(38, 1151), (44, 1160), (Start: 74 @1202 has 76 MA's), (Start: 78 @1208 has 19 MA's), (206, 1379), (281, 1484), (285, 1496), (346, 1652), (350, 1661), (358, 1664), (360, 1667), (413, 1742), (431, 1796), (432, 1799), (433, 1802), (554, 2024), (558, 2033), (603, 2108), (614, 2129), (616, 2135), (633, 2162), (663, 2204), (688, 2228), (704, 2246), (707, 2255), (709, 2261), (760, 2375), (797, 2414), (801, 2420), (846, 2486), (880, 2540), (905, 2576), (913, 2588), (954, 2627), (1021, 2714), (1055, 2759), (1057, 2762),

Gene: Kittykat_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Kittykat_2:

(Start: 79 @426 has 76 MA's), (281, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (432, 1011), (434, 1017), (450, 1077), (483, 1149), (533, 1236), (551, 1266), (559, 1281), (627, 1380), (665, 1440), (674, 1449), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (896, 1779), (987, 1857), (1080, 1977), (1084, 1986),

Gene: Klein_10 Start: 3688, Stop: 5220, Start Num: 163

Candidate Starts for Klein_10:

(Start: 93 @3604 has 5 MA's), (126, 3646), (135, 3655), (Start: 163 @3688 has 17 MA's), (232, 3802), (268, 3865), (284, 3898), (285, 3901), (294, 3940), (296, 3946), (330, 4021), (333, 4030), (413, 4132), (426, 4171), (436, 4204), (581, 4453), (616, 4516), (630, 4543), (719, 4702), (735, 4738), (748, 4759), (753, 4768), (758, 4777), (809, 4831), (826, 4855), (896, 4936), (1011, 5089), (1018, 5101),

Gene: KleverKiS_14 Start: 4715, Stop: 6259, Start Num: 98

Candidate Starts for KleverKiS_14:

(Start: 98 @4715 has 36 MA's), (141, 4763), (232, 4904), (282, 4964), (333, 5102), (443, 5294), (566, 5504), (595, 5555), (637, 5627), (707, 5690), (715, 5714), (720, 5729), (748, 5789), (755, 5801), (797, 5861), (821, 5894), (843, 5927), (856, 5954), (889, 6002), (1021, 6188), (1040, 6209),

Gene: Kojax4_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Kojax4_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Korra_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Korra_5:

(Start: 79 @3082 has 76 MA's), (Start: 234 @3292 has 4 MA's), (281, 3346), (296, 3403), (299, 3412), (427, 3652), (432, 3667), (434, 3673), (450, 3733), (476, 3793), (533, 3892), (551, 3922), (559, 3937), (619, 4018), (665, 4096), (674, 4105), (707, 4141), (720, 4180), (735, 4213), (738, 4222), (753, 4249), (797, 4303), (829, 4345), (873, 4390), (883, 4411), (896, 4435), (987, 4513), (1080, 4633),

Gene: Kratio_5 Start: 1088, Stop: 2515, Start Num: 175

Candidate Starts for Kratio_5:

(Start: 175 @1088 has 25 MA's), (204, 1145), (Start: 215 @1166 has 1 MA's), (Start: 229 @1190 has 18 MA's), (279, 1274), (283, 1283), (285, 1289), (295, 1331), (302, 1349), (315, 1367), (333, 1418), (359, 1457), (387, 1493), (431, 1571), (445, 1613), (447, 1622), (448, 1625), (490, 1703), (579, 1817), (609, 1865), (613, 1877), (631, 1907), (651, 1943), (671, 1970), (709, 2027), (741, 2111), (755, 2135),

(821, 2213), (855, 2270), (872, 2294), (890, 2318), (993, 2447), (1052, 2504),

Gene: Kraw_9 Start: 2465, Stop: 3910, Start Num: 167

Candidate Starts for Kraw_9:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: Krili_30 Start: 13244, Stop: 14758, Start Num: 76

Candidate Starts for Krili_30:

(Start: 76 @13244 has 17 MA's), (Start: 78 @13247 has 19 MA's), (Start: 215 @13427 has 1 MA's), (269, 13520), (294, 13595), (310, 13628), (323, 13655), (333, 13685), (431, 13838), (433, 13844), (445, 13880), (447, 13889), (490, 13970), (495, 13979), (497, 13982), (540, 14021), (576, 14078), (596, 14114), (601, 14117), (706, 14273), (709, 14282), (737, 14351), (741, 14360), (746, 14366), (769, 14399), (800, 14435), (855, 14522), (871, 14543), (932, 14606), (935, 14609), (938, 14612), (947, 14630), (963, 14651), (993, 14693), (1026, 14729), (1047, 14741),

Gene: Kropertea_4 Start: 765, Stop: 2327, Start Num: 74

Candidate Starts for Kropertea_4:

(Start: 74 @765 has 76 MA's), (Start: 78 @771 has 19 MA's), (199, 921), (Start: 234 @987 has 4 MA's), (266, 1017), (285, 1053), (286, 1056), (296, 1098), (360, 1224), (447, 1407), (488, 1482), (566, 1608), (576, 1629), (591, 1653), (595, 1659), (614, 1689), (616, 1695), (637, 1731), (663, 1764), (688, 1788), (709, 1821), (735, 1887), (760, 1935), (769, 1944), (787, 1959), (801, 1980), (846, 2046), (913, 2148), (1017, 2268), (1021, 2274), (1040, 2295), (1055, 2319),

Gene: Krueger_7 Start: 1519, Stop: 2946, Start Num: 167

Candidate Starts for Krueger_7:

(Start: 167 @1519 has 168 MA's), (Start: 215 @1609 has 1 MA's), (Start: 229 @1633 has 18 MA's), (233, 1639), (279, 1717), (283, 1726), (295, 1774), (302, 1792), (333, 1861), (359, 1900), (367, 1909), (387, 1936), (388, 1939), (431, 2014), (445, 2056), (447, 2065), (490, 2146), (539, 2194), (579, 2260), (606, 2302), (609, 2308), (613, 2320), (617, 2326), (631, 2350), (644, 2374), (648, 2380), (661, 2401), (709, 2470), (726, 2512), (794, 2605), (797, 2611), (800, 2614), (823, 2647), (843, 2677), (855, 2701), (890, 2749), (993, 2878), (1052, 2935), (1056, 2941),

Gene: Krypton555_5 Start: 1185, Stop: 2750, Start Num: 74

Candidate Starts for Krypton555_5:

(Start: 74 @1185 has 76 MA's), (Start: 78 @1191 has 19 MA's), (206, 1362), (281, 1467), (285, 1479), (346, 1635), (350, 1644), (358, 1647), (360, 1650), (413, 1725), (431, 1779), (432, 1782), (433, 1785), (558, 2016), (614, 2112), (616, 2118), (663, 2187), (688, 2211), (704, 2229), (709, 2244), (720, 2277), (760, 2358), (797, 2397), (801, 2403), (846, 2469), (880, 2523), (905, 2559), (913, 2571), (954, 2610), (1021, 2697), (1055, 2742), (1057, 2745),

Gene: Ksquared_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Ksquared_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (660, 1478), (676, 1490), (707, 1535), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Kubed_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Kubed_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (718, 1398), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: Kudrefre_12 Start: 4947, Stop: 6422, Start Num: 155

Candidate Starts for Kudrefre_12:

(Start: 155 @4947 has 8 MA's), (252, 5094), (281, 5133), (285, 5145), (331, 5268), (384, 5355), (415, 5412), (434, 5469), (447, 5511), (449, 5523), (463, 5547), (477, 5571), (504, 5613), (616, 5793), (645, 5835), (705, 5916), (720, 5961), (728, 5985), (753, 6030), (801, 6090), (847, 6153), (850, 6159), (898, 6231), (913, 6249), (927, 6267), (1012, 6366), (1024, 6384), (1047, 6414),

Gene: Kuleana_3 Start: 777, Stop: 2342, Start Num: 162

Candidate Starts for Kuleana_3:

(Start: 81 @690 has 1 MA's), (Start: 85 @696 has 13 MA's), (Start: 162 @777 has 1 MA's), (214, 864), (219, 876), (Start: 236 @900 has 15 MA's), (282, 954), (285, 963), (293, 999), (299, 1017), (416, 1200), (433, 1251), (435, 1263), (450, 1314), (454, 1326), (455, 1332), (476, 1374), (490, 1395), (500, 1410), (527, 1467), (702, 1782), (731, 1848), (755, 1893), (790, 1932), (796, 1941), (797, 1944), (814, 1965), (840, 2004), (844, 2010), (846, 2013), (933, 2142), (1015, 2247), (1017, 2250), (1041, 2277), (1047, 2280), (1055, 2292), (1064, 2301), (1080, 2328), (1082, 2331), (1083, 2334),

Gene: Kumao_13 Start: 4256, Stop: 5845, Start Num: 84

Candidate Starts for Kumao_13:

(Start: 84 @4256 has 6 MA's), (192, 4373), (251, 4472), (253, 4475), (308, 4610), (333, 4676), (350, 4715), (365, 4727), (419, 4787), (432, 4832), (443, 4868), (445, 4871), (447, 4880), (566, 5078), (584, 5111), (628, 5183), (645, 5204), (707, 5297), (709, 5303), (748, 5396), (753, 5405), (797, 5462), (801, 5468), (819, 5492), (856, 5555), (875, 5585), (913, 5636), (984, 5723), (1017, 5768), (1021, 5774), (1037, 5792),

Gene: Kumotta_3 Start: 1020, Stop: 2465, Start Num: 173

Candidate Starts for Kumotta_3:

(Start: 173 @1020 has 4 MA's), (235, 1125), (281, 1203), (283, 1209), (445, 1545), (447, 1554), (449, 1566), (464, 1596), (466, 1599), (490, 1635), (573, 1755), (588, 1782), (609, 1812), (693, 1941), (707, 1962), (709, 1968), (712, 1974), (714, 1980), (720, 1998), (800, 2118), (819, 2145), (858, 2208), (875, 2238), (935, 2292), (947, 2313), (1052, 2454),

Gene: KylieMac_5 Start: 787, Stop: 2277, Start Num: 110

Candidate Starts for KylieMac_5:

(Start: 110 @787 has 45 MA's), (Start: 163 @832 has 17 MA's), (Start: 221 @934 has 1 MA's), (239, 961), (281, 1012), (285, 1024), (291, 1054), (295, 1066), (300, 1081), (334, 1147), (370, 1192), (424, 1279), (432, 1303), (433, 1306), (434, 1309), (448, 1354), (454, 1378), (459, 1387), (496, 1453), (555, 1516), (561, 1528), (585, 1570), (597, 1588), (629, 1648), (665, 1705), (678, 1717), (693, 1741), (702, 1759), (738, 1837), (777, 1891), (820, 1945), (830, 1957), (835, 1966), (884, 2041), (890, 2050), (925, 2077), (978, 2134), (1015, 2188), (1073, 2260),

Gene: KyriosFaba_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for KyriosFaba_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Lahqtemish_3 Start: 769, Stop: 2394, Start Num: 137

Candidate Starts for Lahqtemish_3:

(Start: 137 @769 has 81 MA's), (240, 925), (299, 1033), (343, 1117), (375, 1162), (433, 1267), (450, 1330), (456, 1351), (488, 1408), (662, 1744), (738, 1876), (814, 1978), (987, 2227), (1021, 2275), (1080, 2344),

Gene: Laila_5 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Laila_5:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (239, 974), (281, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (334, 1160), (370, 1205), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (454, 1391), (459, 1400), (496, 1466), (555, 1529), (561, 1541), (585, 1583), (597, 1601), (629, 1661), (665, 1718), (678, 1730), (693, 1754), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (835, 1979), (884, 2054), (890, 2063), (925, 2090), (978, 2147), (1015, 2201), (1073, 2273),

Gene: Lakshmi_5 Start: 3282, Stop: 4673, Start Num: 212

Candidate Starts for Lakshmi_5:

(Start: 79 @3108 has 76 MA's), (Start: 212 @3282 has 10 MA's), (219, 3297), (Start: 234 @3318 has 4 MA's), (281, 3372), (284, 3381), (291, 3414), (299, 3438), (427, 3678), (432, 3693), (434, 3699), (450, 3759), (476, 3819), (533, 3918), (551, 3948), (559, 3963), (604, 4011), (619, 4044), (674, 4131), (720, 4206), (753, 4275), (814, 4350), (829, 4371), (860, 4392), (896, 4461), (949, 4488), (987, 4539), (1015, 4578), (1041, 4608), (1053, 4620), (1080, 4659), (1084, 4668),

Gene: Lamberg_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Lamberg_2:

(Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Langerak_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Langerak_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Laphuphu24k_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for Laphuphu24k_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (296, 658), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Larva_6 Start: 1090, Stop: 2517, Start Num: 175

Candidate Starts for Larva_6:

(Start: 175 @1090 has 25 MA's), (204, 1147), (Start: 215 @1168 has 1 MA's), (Start: 229 @1192 has 18 MA's), (279, 1276), (283, 1285), (285, 1291), (302, 1351), (315, 1369), (333, 1420), (359, 1459), (431, 1573), (445, 1615), (447, 1624), (448, 1627), (490, 1705), (579, 1819), (609, 1867), (613, 1879), (631, 1909), (651, 1945), (671, 1972), (709, 2029), (741, 2113), (755, 2137), (821, 2215), (855, 2272), (872, 2296), (890, 2320), (993, 2449), (1052, 2506),

Gene: Lasagna_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Lasagna_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: LastHope_8 Start: 1617, Stop: 3041, Start Num: 167

Candidate Starts for LastHope_8:

(Start: 79 @1533 has 76 MA's), (Start: 167 @1617 has 168 MA's), (Start: 215 @1704 has 1 MA's), (Start: 229 @1728 has 18 MA's), (233, 1734), (254, 1773), (279, 1812), (283, 1821), (285, 1827), (295, 1869), (302, 1887), (315, 1905), (333, 1956), (359, 1995), (367, 2004), (387, 2031), (388, 2034), (445, 2151), (447, 2160), (539, 2289), (579, 2355), (609, 2403), (613, 2415), (631, 2445), (644, 2469), (709, 2565), (797, 2706), (800, 2709), (823, 2742), (843, 2772), (855, 2796), (935, 2883), (993, 2973), (1052, 3030), (1056, 3036),

Gene: LastNadiia_7 Start: 3609, Stop: 5138, Start Num: 133

Candidate Starts for LastNadiia_7:

(Start: 133 @3609 has 5 MA's), (183, 3654), (190, 3663), (206, 3693), (217, 3717), (283, 3807), (285, 3813), (341, 3963), (447, 4194), (449, 4206), (477, 4263), (504, 4305), (570, 4419), (580, 4440), (616, 4506), (619, 4512), (636, 4542), (810, 4803), (927, 4938), (1028, 5079),

Gene: LaterM_8 Start: 1568, Stop: 2989, Start Num: 167

Candidate Starts for LaterM_8:

(88, 1496), (Start: 156 @1556 has 11 MA's), (Start: 167 @1568 has 168 MA's), (Start: 229 @1679 has 18 MA's), (233, 1685), (279, 1763), (283, 1772), (295, 1820), (302, 1838), (315, 1856), (333, 1907), (361, 1949), (367, 1955), (387, 1982), (388, 1985), (431, 2060), (445, 2102), (447, 2111), (490, 2192), (579, 2306), (609, 2354), (613, 2366), (631, 2396), (644, 2420), (651, 2432), (661, 2447), (709, 2516), (800, 2660), (823, 2693), (855, 2747), (993, 2924), (1052, 2978),

Gene: LauKoruNamu_3 Start: 437, Stop: 1996, Start Num: 74

Candidate Starts for LauKoruNamu_3:

(Start: 57 @419 has 1 MA's), (Start: 74 @437 has 76 MA's), (Start: 162 @533 has 1 MA's), (165, 536), (187, 563), (219, 644), (226, 653), (241, 680), (278, 734), (283, 740), (294, 785), (331, 860), (332, 863), (334, 869), (336, 875), (337, 878), (349, 896), (374, 929), (431, 1031), (453, 1106), (463, 1130), (527, 1220), (529, 1223), (546, 1250), (549, 1253), (561, 1277), (565, 1286), (604, 1337), (614, 1358), (632, 1394), (651, 1430), (670, 1454), (709, 1505), (714, 1520), (718, 1532), (738, 1577), (746, 1589), (830, 1730), (862, 1781), (865, 1787), (976, 1934), (981, 1943), (987, 1952),

Gene: Lauchelly_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Lauchelly_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (499, 1053), (551, 1134), (567, 1155), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (789, 1497), (793, 1503),

(811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (849, 1584), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1008, 1812), (1021, 1827), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: Lavahound_6 Start: 1181, Stop: 2605, Start Num: 167

Candidate Starts for Lavahound_6:

(Start: 79 @1097 has 76 MA's), (Start: 156 @1169 has 11 MA's), (Start: 167 @1181 has 168 MA's), (Start: 215 @1268 has 1 MA's), (Start: 229 @1292 has 18 MA's), (279, 1376), (283, 1385), (295, 1433), (302, 1451), (315, 1469), (333, 1520), (387, 1595), (388, 1598), (445, 1715), (447, 1724), (448, 1727), (460, 1757), (490, 1805), (579, 1919), (609, 1967), (613, 1979), (631, 2009), (644, 2033), (652, 2048), (661, 2060), (709, 2129), (726, 2171), (741, 2201), (800, 2273), (823, 2306), (829, 2315), (855, 2360), (1052, 2594), (1056, 2600),

Gene: LaviMo_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for LaviMo_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: LeBron_4 Start: 1059, Stop: 2636, Start Num: 78

Candidate Starts for LeBron_4:

(Start: 74 @1053 has 76 MA's), (Start: 78 @1059 has 19 MA's), (206, 1230), (269, 1317), (281, 1335), (283, 1341), (291, 1377), (358, 1515), (360, 1518), (413, 1593), (432, 1650), (433, 1653), (515, 1821), (554, 1875), (558, 1884), (566, 1899), (576, 1920), (603, 1959), (614, 1980), (616, 1986), (633, 2013), (663, 2055), (688, 2079), (704, 2097), (707, 2106), (709, 2112), (720, 2145), (735, 2178), (755, 2217), (758, 2223), (760, 2226), (801, 2271), (846, 2337), (875, 2388), (887, 2403), (893, 2412), (905, 2427), (907, 2430), (1000, 2532), (1017, 2559), (1055, 2610), (1057, 2613),

Gene: LeMond_7 Start: 1481, Stop: 2905, Start Num: 167

Candidate Starts for LeMond_7:

(Start: 167 @1481 has 168 MA's), (Start: 215 @1568 has 1 MA's), (Start: 229 @1592 has 18 MA's), (233, 1598), (279, 1676), (283, 1685), (285, 1691), (295, 1733), (302, 1751), (315, 1769), (333, 1820), (359, 1859), (387, 1895), (431, 1973), (445, 2015), (447, 2024), (490, 2105), (579, 2219), (606, 2261), (609, 2267), (613, 2279), (631, 2309), (644, 2333), (651, 2345), (661, 2360), (709, 2429), (726, 2471), (797, 2570), (821, 2603), (823, 2606), (846, 2642), (855, 2660), (1052, 2894),

Gene: Lea83_7 Start: 1488, Stop: 2912, Start Num: 167

Candidate Starts for Lea83_7:

(Start: 156 @1476 has 11 MA's), (Start: 167 @1488 has 168 MA's), (Start: 215 @1575 has 1 MA's), (Start: 229 @1599 has 18 MA's), (279, 1683), (283, 1692), (295, 1740), (302, 1758), (315, 1776), (333, 1827), (361, 1869), (367, 1875), (387, 1902), (431, 1980), (445, 2022), (447, 2031), (490, 2112), (501, 2130), (579, 2226), (609, 2274), (613, 2286), (631, 2316), (644, 2340), (651, 2352), (709, 2436), (726, 2478), (797, 2577), (800, 2580), (829, 2622), (838, 2637), (843, 2643), (853, 2664), (855, 2667), (993, 2844), (1056, 2907),

Gene: Leafy_3 Start: 1092, Stop: 2552, Start Num: 108

Candidate Starts for Leafy_3:

(Start: 108 @1092 has 144 MA's), (Start: 114 @1098 has 2 MA's), (Start: 236 @1260 has 15 MA's), (240, 1269), (282, 1329), (303, 1398), (319, 1419), (337, 1470), (449, 1674), (550, 1809), (590, 1887), (601, 1902), (619, 1938), (642, 1980), (664, 2013), (679, 2031), (737, 2151), (738, 2154), (746, 2166), (803, 2241), (862, 2304), (872, 2322), (873, 2325), (1010, 2487), (1015, 2496), (1021, 2505), (1053, 2544),

Gene: Lebo14_9 Start: 2478, Stop: 3923, Start Num: 167

Candidate Starts for Lebo14_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (445, 3012), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3912), (1056, 3918),

Gene: Lederberg_2 Start: 374, Stop: 1957, Start Num: 128

Candidate Starts for Lederberg_2:

(Start: 125 @371 has 6 MA's), (Start: 128 @374 has 39 MA's), (Start: 138 @380 has 1 MA's), (245, 551), (281, 629), (284, 638), (367, 812), (429, 914), (431, 920), (434, 929), (435, 938), (453, 998), (475, 1046), (476, 1049), (545, 1112), (592, 1205), (627, 1271), (722, 1427), (729, 1445), (756, 1490), (776, 1532), (802, 1568), (814, 1583), (832, 1610), (834, 1613), (844, 1628), (866, 1661), (873, 1676), (899, 1724), (937, 1754), (953, 1772), (1006, 1847), (1067, 1922), (1081, 1946),

Gene: LemonPepper_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for LemonPepper_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Lemuria_2 Start: 376, Stop: 1959, Start Num: 77

Candidate Starts for Lemuria_2:

(Start: 77 @376 has 24 MA's), (204, 553), (282, 685), (315, 772), (333, 823), (336, 832), (352, 862), (370, 874), (415, 925), (433, 982), (445, 1018), (449, 1039), (490, 1108), (495, 1117), (609, 1270), (682, 1393), (709, 1444), (769, 1552), (800, 1594), (821, 1624), (829, 1636), (838, 1651), (853, 1678), (855, 1681), (870, 1702), (915, 1759), (919, 1765), (930, 1777), (932, 1780), (1052, 1948), (1056, 1954),

Gene: Lennox_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Lennox_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (860, 1710), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Lenoxika_6 Start: 1956, Stop: 3656, Start Num: 116

Candidate Starts for Lenoxika_6:

(73, 1899), (Start: 98 @1935 has 36 MA's), (Start: 116 @1956 has 19 MA's), (187, 2031), (203, 2079), (Start: 212 @2100 has 10 MA's), (219, 2115), (240, 2148), (282, 2193), (293, 2238), (299, 2256), (300, 2259), (302, 2262), (375, 2385), (416, 2439), (450, 2553), (476, 2613), (490, 2634), (585, 2865), (619, 2931), (625, 2946), (715, 3117), (728, 3156), (735, 3165), (738, 3174), (762, 3216), (823, 3288), (862, 3330), (883, 3372), (947, 3420), (967, 3447), (970, 3450), (974, 3456), (987, 3477), (1017, 3519), (1075, 3597), (1092, 3645),

Gene: Leona_2 Start: 373, Stop: 1995, Start Num: 98

Candidate Starts for Leona_2:

(Start: 85 @352 has 13 MA's), (Start: 98 @373 has 36 MA's), (281, 604), (285, 616), (293, 652), (299, 670), (302, 676), (337, 748), (435, 916), (450, 967), (458, 991), (476, 1027), (490, 1048), (500, 1063), (527, 1123), (564, 1207), (693, 1423), (702, 1435), (731, 1501), (735, 1507), (755, 1546), (790, 1585),

(794, 1591), (814, 1618), (844, 1663), (1017, 1903), (1041, 1930), (1060, 1951), (1080, 1981), (1082, 1984),

Gene: Leozinho_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Leozinho_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Leroy_3 Start: 674, Stop: 2191, Start Num: 154

Candidate Starts for Leroy_3:

(124, 665), (Start: 154 @674 has 85 MA's), (222, 791), (Start: 229 @800 has 18 MA's), (235, 809), (262, 854), (277, 887), (292, 938), (295, 947), (315, 983), (330, 1025), (337, 1046), (344, 1058), (356, 1073), (368, 1091), (371, 1094), (373, 1097), (387, 1118), (415, 1145), (433, 1202), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (482, 1319), (491, 1331), (544, 1412), (579, 1484), (592, 1508), (613, 1544), (628, 1571), (648, 1604), (691, 1658), (743, 1760), (760, 1787), (868, 1934), (873, 1946), (890, 1964), (962, 2042), (964, 2045), (966, 2048), (1004, 2102), (1012, 2114),

Gene: Leston_6 Start: 1351, Stop: 2778, Start Num: 175

Candidate Starts for Leston_6:

(Start: 79 @1258 has 76 MA's), (Start: 175 @1351 has 25 MA's), (204, 1408), (Start: 215 @1429 has 1 MA's), (Start: 229 @1453 has 18 MA's), (279, 1537), (283, 1546), (285, 1552), (295, 1594), (302, 1612), (315, 1630), (333, 1681), (387, 1756), (431, 1834), (445, 1876), (447, 1885), (448, 1888), (490, 1966), (579, 2080), (609, 2128), (631, 2170), (644, 2194), (651, 2206), (671, 2233), (705, 2278), (709, 2290), (794, 2437), (821, 2476), (855, 2533), (872, 2557), (890, 2581), (919, 2605), (989, 2704), (993, 2710), (1052, 2767),

Gene: Leviosa_2 Start: 380, Stop: 1891, Start Num: 153

Candidate Starts for Leviosa_2:

(Start: 153 @380 has 41 MA's), (184, 419), (194, 437), (217, 482), (Start: 234 @509 has 4 MA's), (Start: 236 @512 has 15 MA's), (278, 560), (283, 569), (285, 575), (294, 614), (296, 620), (315, 653), (323, 671), (331, 695), (333, 701), (350, 740), (353, 749), (355, 752), (381, 791), (383, 794), (413, 854), (419, 863), (432, 908), (433, 911), (438, 932), (445, 947), (447, 956), (449, 968), (479, 1028), (490, 1043), (492, 1046), (493, 1049), (508, 1070), (589, 1181), (609, 1208), (616, 1229), (658, 1295), (678, 1316), (693, 1346), (704, 1358), (718, 1400), (755, 1469), (760, 1478), (793, 1505), (811, 1532), (826, 1553), (829, 1556), (831, 1559), (841, 1571), (849, 1586), (859, 1601), (862, 1604), (875, 1628), (938, 1706), (940, 1709), (946, 1721), (997, 1799), (1008, 1814), (1027, 1835), (1058, 1877), (1063, 1883),

Gene: Lewan_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Lewan_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (296, 1408), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Liefie_2 Start: 454, Stop: 1890, Start Num: 178

Candidate Starts for Liefie_2:

(Start: 77 @358 has 24 MA's), (Start: 178 @454 has 43 MA's), (Start: 179 @457 has 5 MA's), (Start: 197 @493 has 1 MA's), (Start: 215 @532 has 1 MA's), (295, 694), (333, 781), (336, 790), (346, 808), (359, 820), (433, 940), (445, 976), (449, 997), (460, 1018), (490, 1066), (495, 1075), (609, 1228), (641, 1288), (652, 1306), (694, 1357), (709, 1384), (715, 1399), (716, 1402), (718, 1408), (760, 1483), (796, 1528), (846, 1603), (855, 1621), (870, 1642), (915, 1687), (930, 1705), (932, 1708), (993, 1801), (999, 1807), (1054, 1882),

Gene: LilBandit_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for LilBandit_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (747, 1452), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: LilDestine_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for LilDestine_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: LilDirt_5 Start: 1089, Stop: 2516, Start Num: 175

Candidate Starts for LilDirt_5:

(Start: 175 @1089 has 25 MA's), (204, 1146), (Start: 215 @1167 has 1 MA's), (Start: 229 @1191 has 18 MA's), (279, 1275), (283, 1284), (285, 1290), (302, 1350), (315, 1368), (333, 1419), (359, 1458), (431, 1572), (445, 1614), (447, 1623), (448, 1626), (490, 1704), (579, 1818), (609, 1866), (613, 1878), (631, 1908), (651, 1944), (671, 1971), (709, 2028), (741, 2112), (755, 2136), (821, 2214), (855, 2271), (872, 2295), (890, 2319), (993, 2448), (1052, 2505),

Gene: LilHazelnut_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for LilHazelnut_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: LilJank_12 Start: 4868, Stop: 6313, Start Num: 155

Candidate Starts for LilJank_12:

(Start: 155 @4868 has 8 MA's), (281, 5054), (316, 5147), (349, 5228), (364, 5240), (384, 5273), (399, 5279), (413, 5297), (419, 5306), (445, 5390), (447, 5399), (477, 5459), (490, 5477), (566, 5597), (579, 5624), (622, 5693), (645, 5723), (692, 5789), (738, 5894), (753, 5921), (801, 5981), (823, 6005), (847, 6044), (887, 6107), (927, 6158), (980, 6215),

Gene: LilPharaoh_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for LilPharaoh_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: LilSpotty_2 Start: 328, Stop: 1785, Start Num: 85

Candidate Starts for LilSpotty_2:

(36, 259), (45, 274), (53, 283), (Start: 85 @328 has 13 MA's), (Start: 196 @424 has 6 MA's), (Start: 197 @427 has 1 MA's), (Start: 229 @487 has 18 MA's), (252, 529), (256, 535), (287, 598), (298, 637), (300, 643), (310, 658), (322, 682), (334, 718), (336, 724), (430, 862), (431, 868), (433, 874), (438, 895), (447, 919), (451, 937), (464, 961), (466, 964), (544, 1063), (562, 1090), (604, 1153), (606, 1156), (671, 1264), (718, 1333), (719, 1336), (737, 1369), (752, 1390), (761, 1402), (763, 1405), (794, 1441), (796, 1444), (797, 1447), (823, 1480), (838, 1504), (921, 1609), (957, 1657), (973, 1678), (977, 1684), (989, 1702), (993, 1708), (996, 1711), (999, 1714), (1019, 1738), (1046, 1762), (1052, 1774),

Gene: LilStuart_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for LilStuart_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Lilbooboo_2 Start: 588, Stop: 2150, Start Num: 134

Candidate Starts for Lilbooboo_2:

(Start: 134 @588 has 2 MA's), (283, 813), (295, 861), (331, 942), (332, 945), (343, 966), (345, 969), (385, 1017), (418, 1050), (425, 1080), (432, 1095), (444, 1134), (460, 1188), (523, 1311), (533, 1344), (587, 1476), (618, 1539), (621, 1545), (658, 1614), (664, 1620), (693, 1665), (696, 1671), (716, 1719), (771, 1824), (773, 1827), (785, 1845), (804, 1872), (853, 1920), (901, 2001), (934, 2025), (937, 2028), (989, 2100),

Gene: LilhomieP_13 Start: 4719, Stop: 6263, Start Num: 98

Candidate Starts for LilhomieP_13:

(Start: 98 @4719 has 36 MA's), (141, 4767), (282, 4968), (333, 5106), (443, 5298), (566, 5508), (595, 5559), (637, 5631), (707, 5694), (715, 5718), (720, 5733), (748, 5793), (755, 5805), (797, 5865), (821, 5898), (843, 5931), (856, 5958), (889, 6006), (1021, 6192), (1040, 6213),

Gene: Lilo27_3 Start: 680, Stop: 2311, Start Num: 137

Candidate Starts for Lilo27_3:

(Start: 137 @680 has 81 MA's), (240, 836), (299, 944), (343, 1028), (362, 1052), (374, 1070), (416, 1127), (433, 1178), (434, 1181), (450, 1241), (455, 1259), (471, 1289), (488, 1319), (738, 1793), (987, 2144), (1021, 2192), (1092, 2300),

Gene: LimaBean_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for LimaBean_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (343, 1037), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

Gene: LindNT_8 Start: 1562, Stop: 2983, Start Num: 167

Candidate Starts for LindNT_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (333, 1901), (361, 1943), (367, 1949), (387, 1976), (388, 1979), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (707, 2504), (709, 2510), (800, 2654), (823, 2687), (855, 2741), (993, 2918), (1052, 2972),

Gene: Link_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Link_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 212 @929 has 10 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: LionelHutz_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for LionelHutz_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: LisoBros_2 Start: 462, Stop: 1961, Start Num: 112

Candidate Starts for LisoBros_2:

(112, 462), (254, 636), (329, 807), (419, 930), (431, 972), (445, 1014), (449, 1035), (477, 1092), (522, 1164), (544, 1194), (609, 1308), (707, 1464), (717, 1494), (719, 1500), (738, 1545), (810, 1626), (847, 1680), (1063, 1950),

Gene: LitninMcQueen_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for LitninMcQueen_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: Litotes_5 Start: 3057, Stop: 4625, Start Num: 79

Candidate Starts for Litotes_5:

(Start: 79 @3057 has 76 MA's), (217, 3243), (Start: 236 @3273 has 15 MA's), (281, 3324), (285, 3336), (291, 3366), (299, 3390), (310, 3414), (374, 3516), (416, 3597), (432, 3645), (450, 3711), (471, 3759), (475, 3768), (533, 3870), (551, 3900), (577, 3939), (636, 4026), (707, 4119), (735, 4191), (753, 4227), (829, 4323), (883, 4389), (928, 4419), (933, 4425), (987, 4491), (1080, 4611),

Gene: LittleShirley_3 Start: 798, Stop: 2159, Start Num: 229

Candidate Starts for LittleShirley_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821,

1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: LittleTokyo_3 Start: 691, Stop: 2322, Start Num: 85

Candidate Starts for LittleTokyo_3:

(25, 580), (Start: 81 @685 has 1 MA's), (Start: 85 @691 has 13 MA's), (107, 724), (Start: 221 @865 has 1 MA's), (Start: 236 @886 has 15 MA's), (281, 937), (285, 949), (293, 985), (299, 1003), (302, 1009), (310, 1027), (416, 1186), (433, 1237), (450, 1300), (476, 1360), (490, 1381), (527, 1453), (585, 1579), (619, 1639), (668, 1720), (679, 1735), (693, 1756), (720, 1807), (738, 1849), (755, 1879), (790, 1918), (796, 1927), (844, 1996), (914, 2098), (920, 2107), (925, 2113), (947, 2134), (949, 2137), (967, 2161), (1015, 2227), (1017, 2230), (1053, 2269), (1082, 2311),

Gene: Livingwater_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Livingwater_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: LiyuLake_5 Start: 1193, Stop: 2758, Start Num: 74

Candidate Starts for LiyuLake_5:

(38, 1142), (44, 1151), (Start: 74 @1193 has 76 MA's), (Start: 78 @1199 has 19 MA's), (206, 1370), (Start: 221 @1403 has 1 MA's), (281, 1475), (283, 1481), (285, 1487), (346, 1643), (350, 1652), (358, 1655), (360, 1658), (413, 1733), (431, 1787), (432, 1790), (433, 1793), (554, 2015), (558, 2024), (603, 2099), (614, 2120), (616, 2126), (633, 2153), (663, 2195), (688, 2219), (704, 2237), (709, 2252), (760, 2366), (797, 2405), (801, 2411), (846, 2477), (905, 2567), (913, 2579), (954, 2618), (1021, 2705), (1055, 2750), (1057, 2753),

Gene: Llorens_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Llorens_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Loadrie_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Loadrie_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Loca_3 Start: 1092, Stop: 2552, Start Num: 108

Candidate Starts for Loca_3:

(Start: 108 @1092 has 144 MA's), (Start: 114 @1098 has 2 MA's), (Start: 236 @1260 has 15 MA's), (240, 1269), (282, 1329), (303, 1398), (319, 1419), (337, 1470), (449, 1674), (550, 1809), (590, 1887), (601, 1902), (619, 1938), (642, 1980), (664, 2013), (679, 2031), (737, 2151), (738, 2154), (803, 2241), (862, 2304), (872, 2322), (873, 2325), (1010, 2487), (1015, 2496), (1053, 2544),

Gene: Lola20_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Lola20_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Lolly9_5 Start: 1196, Stop: 2761, Start Num: 74

Candidate Starts for Lolly9_5:

(Start: 74 @1196 has 76 MA's), (Start: 78 @1202 has 19 MA's), (206, 1373), (281, 1478), (285, 1490), (346, 1646), (350, 1655), (358, 1658), (360, 1661), (413, 1736), (431, 1790), (432, 1793), (433, 1796), (530, 1985), (558, 2027), (603, 2102), (614, 2123), (616, 2129), (663, 2198), (704, 2240), (707, 2249), (709, 2255), (760, 2369), (797, 2408), (801, 2414), (846, 2480), (880, 2534), (905, 2570), (913, 2582), (954, 2621), (1021, 2708), (1055, 2753), (1057, 2756),

Gene: LordFarquaad_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for LordFarquaad_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: LordVader_3 Start: 666, Stop: 2153, Start Num: 154

Candidate Starts for LordVader_3:

(121, 654), (Start: 154 @666 has 85 MA's), (Start: 229 @792 has 18 MA's), (235, 801), (277, 879), (281, 885), (292, 930), (293, 933), (314, 972), (316, 978), (356, 1065), (371, 1086), (433, 1194), (447, 1239), (449, 1251), (460, 1272), (466, 1284), (487, 1317), (491, 1323), (540, 1392), (542, 1398), (556, 1431), (610, 1527), (613, 1536), (628, 1563), (681, 1641), (707, 1674), (731, 1737), (760, 1782), (821, 1854), (845, 1893), (868, 1929), (871, 1935), (890, 1959), (924, 1989), (932, 1995), (962, 2037), (964, 2040), (966, 2043), (993, 2085), (1004, 2097), (1012, 2109),

Gene: Lorde_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Lorde_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Lore_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Lore_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (239, 974), (281, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (334, 1160), (370, 1205), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (454, 1391), (459, 1400), (496, 1466), (555, 1529), (561, 1541), (585, 1583), (597, 1601), (629, 1661), (665, 1718), (678, 1730), (693, 1754), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (835, 1979), (884, 2054), (890, 2063), (925, 2090), (978, 2147), (1015, 2201), (1073, 2273),

Gene: LouisV14_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for LouisV14_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: LouisXIV_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for LouisXIV_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Loviatar_3 Start: 960, Stop: 2585, Start Num: 137

Candidate Starts for Loviatar_3:

(Start: 137 @960 has 81 MA's), (171, 996), (240, 1116), (299, 1224), (307, 1239), (343, 1308), (375, 1353), (433, 1458), (434, 1461), (450, 1521), (455, 1539), (456, 1542), (471, 1569), (488, 1599), (564, 1761), (694, 1977), (731, 2052), (737, 2064), (925, 2343), (987, 2418),

Gene: Lton_2 Start: 501, Stop: 1940, Start Num: 197

Candidate Starts for Lton_2:

(Start: 59 @336 has 1 MA's), (Start: 102 @399 has 55 MA's), (129, 426), (132, 429), (135, 432), (Start: 156 @441 has 11 MA's), (Start: 197 @501 has 1 MA's), (209, 528), (Start: 215 @540 has 1 MA's), (220, 552), (262, 615), (275, 645), (281, 654), (282, 657), (287, 678), (315, 744), (316, 747), (333, 795), (336, 804), (337, 807), (415, 915), (426, 951), (433, 972), (440, 999), (447, 1017), (448, 1020), (461, 1062), (466, 1071), (511, 1134), (540, 1158), (542, 1164), (572, 1209), (604, 1260), (609, 1269), (610, 1272), (628, 1311), (631, 1314), (649, 1344), (707, 1416), (709, 1422), (739, 1494), (742, 1497), (770, 1530), (819, 1596), (823, 1599), (866, 1662), (882, 1692), (906, 1731), (908, 1734), (925, 1758), (936, 1770), (939, 1773), (983, 1839), (988, 1848), (989, 1851), (993, 1857), (999, 1863), (1052, 1929),

Gene: Lucia_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Lucia_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Lucky10_2 Start: 313, Stop: 1758, Start Num: 120

Candidate Starts for Lucky10_2:

(Start: 120 @313 has 2 MA's), (254, 484), (315, 616), (336, 676), (367, 715), (415, 769), (426, 805), (433, 826), (438, 847), (447, 871), (453, 895), (460, 904), (464, 913), (466, 916), (562, 1042), (606, 1108), (691, 1240), (694, 1246), (707, 1267), (709, 1273), (741, 1342), (779, 1384), (797, 1411), (838, 1471), (843, 1477), (855, 1501), (935, 1591), (989, 1675), (993, 1681), (999, 1687), (1006, 1696),

Gene: Lucky2013_10 Start: 3458, Stop: 4990, Start Num: 163

Candidate Starts for Lucky2013_10:

(126, 3416), (135, 3425), (Start: 163 @3458 has 17 MA's), (232, 3572), (268, 3635), (284, 3668), (285, 3671), (294, 3710), (296, 3716), (330, 3791), (346, 3827), (413, 3902), (415, 3905), (426, 3941), (436,

3974), (581, 4223), (616, 4286), (630, 4313), (719, 4472), (735, 4508), (748, 4529), (753, 4538), (758, 4547), (809, 4601), (826, 4625), (1011, 4859), (1018, 4871),

Gene: Lucy_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Lucy_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (496, 1167), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Luke_5 Start: 1894, Stop: 3489, Start Num: 97

Candidate Starts for Luke_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Lumos_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Lumos_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: Luna22_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Luna22_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Lunahalos_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Lunahalos_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Lunar_4 Start: 848, Stop: 2494, Start Num: 85

Candidate Starts for Lunar_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017,

2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Lunatic_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for Lunatic_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: Lutum_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Lutum_3:

(124, 664), (Start: 154 @673 has 85 MA's), (Start: 215 @775 has 1 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (235, 808), (256, 847), (262, 853), (277, 886), (291, 934), (292, 937), (295, 946), (314, 979), (315, 982), (330, 1024), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (448, 1249), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (487, 1324), (491, 1330), (540, 1399), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (691, 1657), (707, 1681), (743, 1759), (760, 1786), (769, 1795), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113), (1072, 2182),

Gene: Luxx_3 Start: 1098, Stop: 2558, Start Num: 108

Candidate Starts for Luxx_3:

(Start: 108 @1098 has 144 MA's), (Start: 114 @1104 has 2 MA's), (Start: 236 @1266 has 15 MA's), (240, 1275), (282, 1335), (303, 1404), (319, 1425), (337, 1476), (449, 1680), (590, 1893), (601, 1908), (619, 1944), (642, 1986), (664, 2019), (679, 2037), (737, 2157), (738, 2160), (746, 2172), (803, 2247), (862, 2310), (872, 2328), (873, 2331), (1010, 2493), (1015, 2502), (1021, 2511), (1053, 2550),

Gene: Lynlen_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for Lynlen_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: Lynnae_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Lynnae_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Lysidious_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Lysidious_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (896, 1689), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: MAckerman_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for MAckerman_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: MEAK_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for MEAK_2:

(150, 370), (Start: 153 @373 has 41 MA's), (Start: 163 @385 has 17 MA's), (184, 412), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (490, 1036), (492, 1039), (493, 1042), (508, 1063), (556, 1138), (567, 1150), (601, 1186), (609, 1201), (616, 1222), (704, 1351), (718, 1393), (755, 1462), (793, 1498), (811, 1525), (826, 1546), (831, 1552), (862, 1597), (872, 1615), (875, 1621), (911, 1666), (938, 1699), (940, 1702), (946, 1714), (997, 1792), (1004, 1801), (1034, 1837), (1058, 1870), (1063, 1876),

Gene: MOOREtheMARYer_2 Start: 351, Stop: 1937, Start Num: 77

Candidate Starts for MOOREtheMARYer_2:

(33, 288), (66, 336), (Start: 77 @351 has 24 MA's), (Start: 156 @438 has 11 MA's), (Start: 178 @462 has 43 MA's), (Start: 196 @498 has 6 MA's), (204, 519), (315, 738), (336, 798), (433, 963), (445, 999), (449, 1020), (461, 1044), (464, 1050), (490, 1089), (495, 1098), (609, 1251), (651, 1326), (709, 1425), (800, 1575), (831, 1620), (870, 1683), (919, 1734), (932, 1749), (993, 1842), (1012, 1866), (1024, 1884), (1054, 1929),

Gene: MZKinsey_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for MZKinsey_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: MacKat_8 Start: 1613, Stop: 3034, Start Num: 167

Candidate Starts for MacKat_8:

(88, 1541), (Start: 156 @1601 has 11 MA's), (Start: 167 @1613 has 168 MA's), (Start: 229 @1724 has 18 MA's), (233, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (333, 1952), (361, 1994), (367, 2000), (387, 2027), (388, 2030), (445, 2147), (447, 2156), (490, 2237), (579, 2351), (609, 2399), (613, 2411), (631, 2441), (644, 2465), (651, 2477), (707, 2555), (709, 2561), (800, 2705), (823, 2738), (855, 2792), (993, 2969), (1052, 3023),

Gene: MacnCheese_8 Start: 1694, Stop: 3127, Start Num: 167

Candidate Starts for MacnCheese_8:

(Start: 111 @1655 has 6 MA's), (Start: 156 @1682 has 11 MA's), (Start: 167 @1694 has 168 MA's), (204, 1760), (Start: 215 @1781 has 1 MA's), (Start: 229 @1805 has 18 MA's), (279, 1889), (283, 1898), (295, 1946), (302, 1964), (315, 1982), (323, 2003), (333, 2033), (387, 2108), (431, 2186), (445, 2228), (447, 2237), (490, 2318), (501, 2336), (579, 2432), (609, 2480), (613, 2492), (631, 2522), (644, 2546), (651, 2558), (709, 2642), (797, 2792), (800, 2795), (838, 2852), (843, 2858), (853, 2879), (855, 2882), (993, 3059), (1004, 3071), (1056, 3122),

Gene: MadKillah_32 Start: 13466, Stop: 14977, Start Num: 78

Candidate Starts for MadKillah_32:

(Start: 76 @13463 has 17 MA's), (Start: 78 @13466 has 19 MA's), (Start: 215 @13646 has 1 MA's), (269, 13739), (294, 13814), (310, 13847), (323, 13874), (333, 13904), (431, 14057), (433, 14063), (445, 14099), (447, 14108), (490, 14189), (495, 14198), (497, 14201), (540, 14240), (576, 14297), (596, 14333), (601, 14336), (706, 14492), (709, 14501), (737, 14570), (741, 14579), (746, 14585), (769, 14618), (800, 14654), (855, 14741), (871, 14762), (932, 14825), (935, 14828), (938, 14831), (947, 14849), (963, 14870), (993, 14912), (1023, 14945), (1026, 14948), (1047, 14960),

Gene: Madebyisha_3 Start: 1155, Stop: 2615, Start Num: 108

Candidate Starts for Madebyisha_3:

(Start: 108 @1155 has 144 MA's), (Start: 114 @1161 has 2 MA's), (Start: 236 @1323 has 15 MA's), (240, 1332), (282, 1392), (303, 1461), (319, 1482), (337, 1533), (449, 1737), (550, 1872), (590, 1950), (601, 1965), (619, 2001), (642, 2043), (664, 2076), (679, 2094), (737, 2214), (738, 2217), (746, 2229), (803, 2304), (862, 2367), (872, 2385), (873, 2388), (1010, 2550), (1015, 2559), (1021, 2568),

Gene: Madiba_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Madiba_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (256, 844), (262, 850), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (330, 1021), (337, 1042), (356, 1069), (363, 1078), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Madraxi_10 Start: 7076, Stop: 8635, Start Num: 148

Candidate Starts for Madraxi_10:

(Start: 148 @7076 has 6 MA's), (Start: 153 @7082 has 41 MA's), (284, 7316), (384, 7529), (386, 7532), (436, 7643), (443, 7661), (448, 7676), (460, 7703), (616, 7955), (630, 7976), (661, 8027), (762, 8219), (905, 8402), (951, 8465), (961, 8480), (974, 8498), (978, 8504), (1040, 8582),

Gene: Maggie_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Maggie_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: MagicMan_2 Start: 520, Stop: 2169, Start Num: 93

Candidate Starts for MagicMan_2:

(Start: 93 @520 has 5 MA's), (Start: 236 @718 has 15 MA's), (238, 721), (333, 931), (336, 940), (346, 961), (379, 1006), (450, 1189), (528, 1324), (569, 1390), (589, 1432), (676, 1546), (686, 1564), (689, 1567), (758, 1711), (767, 1720), (846, 1831), (853, 1849), (896, 1921), (920, 1957), (962, 2011), (1002, 2071), (1041, 2122),

Gene: Magsby_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Magsby_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452),

(712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Mahdia_2 Start: 553, Stop: 2121, Start Num: 117

Candidate Starts for Mahdia_2:

(Start: 117 @553 has 7 MA's), (146, 580), (171, 607), (203, 661), (219, 697), (285, 784), (360, 946), (367, 958), (378, 973), (387, 994), (416, 1024), (432, 1072), (449, 1135), (475, 1195), (477, 1201), (505, 1243), (578, 1327), (594, 1360), (651, 1459), (668, 1480), (701, 1522), (707, 1528), (720, 1567), (736, 1612), (737, 1618), (738, 1621), (748, 1639), (820, 1750), (860, 1819), (862, 1822), (888, 1876), (890, 1879), (949, 1933), (967, 1957), (1083, 2113),

Gene: Maja_2 Start: 590, Stop: 2185, Start Num: 110

Candidate Starts for Maja_2:

(Start: 110 @590 has 45 MA's), (Start: 113 @593 has 11 MA's), (243, 773), (281, 806), (282, 809), (291, 848), (299, 872), (302, 878), (349, 968), (432, 1103), (450, 1169), (490, 1250), (496, 1259), (555, 1361), (561, 1373), (610, 1457), (627, 1496), (702, 1601), (735, 1673), (753, 1709), (765, 1730), (771, 1748), (787, 1772), (794, 1781), (814, 1808), (835, 1838), (871, 1895), (881, 1919), (967, 2021), (1017, 2090), (1021, 2096), (1057, 2135), (1082, 2174), (1084, 2180),

Gene: Majeke_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Majeke_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Majesty_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Majesty_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: MakCheese_2 Start: 434, Stop: 1993, Start Num: 151

Candidate Starts for MakCheese_2:

(34, 278), (54, 311), (92, 365), (Start: 151 @434 has 5 MA's), (198, 500), (230, 560), (238, 569), (261, 608), (333, 779), (334, 782), (346, 809), (362, 824), (410, 878), (433, 941), (447, 986), (488, 1073), (490, 1076), (515, 1118), (528, 1136), (537, 1166), (543, 1184), (544, 1187), (550, 1202), (657, 1376), (689, 1415), (704, 1433), (707, 1442), (709, 1448), (730, 1505), (737, 1517), (758, 1550), (797, 1598), (800, 1601), (819, 1628), (846, 1670), (853, 1688), (869, 1709), (895, 1760), (908, 1778), (910, 1781), (936, 1814), (955, 1847), (976, 1877), (1005, 1916),

Gene: Makima_5 Start: 2725, Stop: 4254, Start Num: 136

Candidate Starts for Makima_5:

(Start: 136 @2725 has 6 MA's), (183, 2770), (206, 2809), (285, 2929), (299, 2983), (341, 3079), (352, 3100), (447, 3310), (449, 3322), (454, 3337), (477, 3379), (504, 3421), (570, 3535), (616, 3622), (671, 3709), (715, 3781), (810, 3919), (850, 3979), (1030, 4198),

Gene: Makoto_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Makoto_2:

(Start: 79 @426 has 76 MA's), (187, 549), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485),

(720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (862, 1713), (883, 1755), (987, 1857),

Gene: Malachai_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Malachai_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (360, 783), (367, 795), (386, 816), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (691, 1341), (705, 1359), (707, 1365), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: Malibo_2 Start: 434, Stop: 1993, Start Num: 151

Candidate Starts for Malibo_2:

(34, 278), (54, 311), (71, 335), (Start: 151 @434 has 5 MA's), (198, 500), (230, 560), (238, 569), (261, 608), (283, 647), (333, 779), (334, 782), (346, 809), (360, 821), (485, 1070), (488, 1073), (528, 1136), (537, 1166), (543, 1184), (544, 1187), (657, 1376), (704, 1430), (707, 1439), (709, 1445), (730, 1502), (737, 1514), (760, 1550), (769, 1559), (797, 1595), (800, 1598), (819, 1625), (853, 1685), (869, 1706), (910, 1778), (936, 1811), (955, 1844), (976, 1874), (1005, 1913), (1058, 1967),

Gene: Maliketh_2 Start: 458, Stop: 1891, Start Num: 179

Candidate Starts for Maliketh_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Malisha_3 Start: 669, Stop: 2186, Start Num: 154

Candidate Starts for Malisha_3:

(124, 660), (Start: 154 @669 has 85 MA's), (222, 786), (Start: 229 @795 has 18 MA's), (235, 804), (270, 867), (277, 882), (283, 894), (292, 933), (314, 975), (315, 978), (330, 1020), (340, 1047), (356, 1068), (368, 1086), (371, 1089), (373, 1092), (387, 1113), (415, 1140), (433, 1197), (449, 1254), (451, 1260), (460, 1275), (466, 1287), (544, 1407), (564, 1449), (610, 1530), (613, 1539), (628, 1566), (651, 1605), (671, 1632), (691, 1653), (743, 1755), (760, 1782), (868, 1929), (873, 1941), (962, 2037), (964, 2040), (966, 2043), (993, 2085), (1004, 2097), (1012, 2109),

Gene: Malithi_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Malithi_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Malthus_9 Start: 2465, Stop: 3910, Start Num: 167

Candidate Starts for Malthus_9:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: MamaPearl_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for MamaPearl_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (310, 780), (374, 882), (405, 942), (432, 1011), (434, 1017), (450, 1077), (476, 1137), (500, 1173), (533, 1236), (551, 1266), (619, 1362), (674, 1449), (720, 1524), (735, 1557), (753, 1593), (814, 1668), (829, 1689), (831, 1692), (883, 1755), (896, 1779), (987, 1857), (1080, 1977),

Gene: ManAs_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for ManAs_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Maneater_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for Maneater_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (590, 1857), (601, 1872), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (803, 2211), (862, 2274), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: Mangethe_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Mangethe_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Marcoliusprime_4 Start: 652, Stop: 2076, Start Num: 167

Candidate Starts for Marcoliusprime_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (387, 1057), (432, 1138), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (705, 1576), (709, 1588), (726, 1630), (741, 1660), (757, 1687), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (1052, 2065),

Gene: MargaretKali_3 Start: 885, Stop: 2270, Start Num: 196

Candidate Starts for MargaretKali_3:

(Start: 156 @825 has 11 MA's), (Start: 196 @885 has 6 MA's), (Start: 197 @888 has 1 MA's), (Start: 215 @927 has 1 MA's), (252, 990), (281, 1041), (310, 1125), (315, 1131), (316, 1134), (323, 1152), (367, 1230), (415, 1284), (433, 1341), (447, 1386), (460, 1419), (511, 1494), (604, 1620), (609, 1629), (631, 1674), (648, 1701), (701, 1761), (705, 1770), (709, 1782), (714, 1794), (726, 1824), (732, 1839), (776, 1902), (794, 1920), (843, 1992), (858, 2019), (901, 2073), (996, 2190), (1052, 2259),

Gene: Maria1952_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Maria1952_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (755, 1598), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: Marichuy_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for Marichuy_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (590, 1974), (601, 1989), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (803, 2328), (862, 2391), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Mariposa_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Mariposa_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: MarkPhew_7 Start: 1432, Stop: 2856, Start Num: 167

Candidate Starts for MarkPhew_7:

(Start: 167 @1432 has 168 MA's), (Start: 215 @1519 has 1 MA's), (Start: 229 @1543 has 18 MA's), (254, 1588), (279, 1627), (283, 1636), (285, 1642), (295, 1684), (302, 1702), (315, 1720), (333, 1771), (359, 1810), (367, 1819), (387, 1846), (431, 1924), (445, 1966), (447, 1975), (490, 2056), (579, 2170), (606, 2212), (609, 2218), (613, 2230), (631, 2260), (651, 2296), (661, 2311), (709, 2380), (726, 2422), (741, 2452), (797, 2521), (821, 2554), (823, 2557), (846, 2593), (855, 2611), (876, 2644), (1052, 2845),

Gene: Marker_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Marker_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (256, 844), (262, 850), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (330, 1021), (337, 1042), (356, 1069), (363, 1078), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (769, 1795), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Marmie_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Marmie_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Marshawn_9 Start: 2072, Stop: 3451, Start Num: 196

Candidate Starts for Marshawn_9:

(Start: 156 @2015 has 11 MA's), (Start: 167 @2027 has 168 MA's), (Start: 196 @2072 has 6 MA's), (204, 2093), (Start: 215 @2114 has 1 MA's), (224, 2132), (Start: 229 @2138 has 18 MA's), (279, 2222), (283, 2231), (285, 2237), (295, 2279), (302, 2297), (315, 2315), (333, 2366), (387, 2441), (431, 2519), (445, 2561), (447, 2570), (490, 2651), (579, 2765), (609, 2813), (613, 2825), (631, 2855), (644, 2879), (661, 2906), (709, 2975), (726, 3017), (741, 3047), (797, 3116), (800, 3119), (823, 3152), (843, 3182), (846, 3188), (855, 3206), (871, 3227), (876, 3239), (993, 3383), (1052, 3440), (1056, 3446),

Gene: MaryV_26 Start: 8094, Stop: 9707, Start Num: 84

Candidate Starts for MaryV_26:

(Start: 84 @8094 has 6 MA's), (206, 8244), (214, 8262), (Start: 234 @8295 has 4 MA's), (250, 8307), (284, 8358), (285, 8361), (297, 8409), (299, 8415), (320, 8454), (322, 8457), (333, 8490), (376, 8559),

(419, 8625), (423, 8643), (431, 8667), (433, 8673), (477, 8778), (504, 8820), (514, 8838), (517, 8847), (647, 9051), (650, 9057), (675, 9090), (755, 9255), (760, 9264), (767, 9270), (769, 9273), (821, 9348), (843, 9381), (850, 9396), (905, 9477), (1017, 9630), (1035, 9651), (1037, 9654),

Gene: Massimo_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Massimo_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: MasterPitts_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for MasterPitts_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Matteo_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Matteo_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Mauilvory_3 Start: 1185, Stop: 2639, Start Num: 114

Candidate Starts for Mauilvory_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Mbo4_2 Start: 442, Stop: 1950, Start Num: 142

Candidate Starts for Mbo4_2:

(142, 442), (217, 553), (238, 580), (333, 790), (334, 793), (346, 820), (410, 889), (445, 988), (447, 997), (450, 1012), (468, 1054), (528, 1147), (544, 1162), (569, 1213), (585, 1246), (651, 1345), (676, 1372), (707, 1414), (720, 1447), (760, 1519), (787, 1549), (796, 1561), (797, 1564), (800, 1567), (801, 1570), (846, 1636), (853, 1654), (866, 1669), (910, 1747), (920, 1762), (950, 1801), (959, 1816), (1033, 1900),

Gene: McGonagall_2 Start: 520, Stop: 1905, Start Num: 169

Candidate Starts for McGonagall_2:

(Start: 169 @520 has 5 MA's), (Start: 208 @586 has 2 MA's), (Start: 221 @613 has 1 MA's), (294, 736), (295, 739), (302, 757), (333, 820), (336, 829), (337, 832), (395, 901), (417, 934), (424, 958), (433, 985), (448, 1033), (503, 1132), (549, 1165), (555, 1177), (561, 1189), (648, 1345), (658, 1360), (694, 1408), (718, 1453), (721, 1462), (733, 1486), (753, 1525), (1013, 1825), (1069, 1891),

Gene: McMater_8 Start: 1660, Stop: 3090, Start Num: 167

Candidate Starts for McMater_8:

(Start: 108 @1618 has 144 MA's), (Start: 156 @1648 has 11 MA's), (Start: 167 @1660 has 168 MA's), (Start: 215 @1750 has 1 MA's), (Start: 229 @1774 has 18 MA's), (233, 1780), (254, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (333, 2002), (367, 2050), (445, 2197), (447, 2206), (539, 2335), (579, 2401), (606, 2443), (609, 2449), (613, 2461), (631, 2491), (644, 2515), (661, 2542), (709, 2611), (726, 2653), (741, 2683), (755, 2707), (800, 2755), (843, 2818), (855, 2842), (890, 2893), (935, 2932), (993, 3022), (1029, 3061), (1052, 3079), (1056, 3085),

Gene: McShie_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for McShie_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Mdavu_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Mdavu_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: MeaningOfLife_8 Start: 1563, Stop: 2984, Start Num: 167

Candidate Starts for MeaningOfLife_8:

(88, 1491), (Start: 156 @1551 has 11 MA's), (Start: 167 @1563 has 168 MA's), (Start: 229 @1674 has 18 MA's), (233, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (333, 1902), (361, 1944), (367, 1950), (387, 1977), (388, 1980), (445, 2097), (447, 2106), (490, 2187), (579, 2301), (609, 2349), (613, 2361), (631, 2391), (644, 2415), (651, 2427), (707, 2505), (709, 2511), (800, 2655), (823, 2688), (855, 2742), (993, 2919), (1052, 2973),

Gene: MeganNoll_5 Start: 3133, Stop: 4698, Start Num: 79

Candidate Starts for MeganNoll_5:

(Start: 79 @3133 has 76 MA's), (Start: 234 @3343 has 4 MA's), (281, 3397), (299, 3463), (310, 3487), (427, 3703), (432, 3718), (434, 3724), (450, 3784), (476, 3844), (533, 3943), (551, 3973), (559, 3988), (619, 4069), (665, 4147), (674, 4156), (707, 4192), (720, 4231), (735, 4264), (738, 4273), (753, 4300), (797, 4354), (829, 4396), (873, 4441), (883, 4462), (896, 4486), (987, 4564), (1080, 4684),

Gene: Megiddo_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Megiddo_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Megsy_8 Start: 1562, Stop: 2983, Start Num: 167

Candidate Starts for Megsy_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (333, 1901), (361, 1943), (367, 1949), (387, 1976), (388, 1979), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (707, 2504), (709, 2510), (800, 2654), (823, 2687), (855, 2741), (993, 2918), (1052, 2972),

Gene: MelBee03_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for MelBee03_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: Melba_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Melba_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Mellie_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Mellie_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (430, 891), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Melons_4 Start: 848, Stop: 2494, Start Num: 85

Candidate Starts for Melons_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Melville_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Melville_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Mercurio_3 Start: 1016, Stop: 2605, Start Num: 77

Candidate Starts for Mercurio_3:

(55, 986), (Start: 77 @1016 has 24 MA's), (204, 1187), (282, 1319), (333, 1457), (336, 1466), (370, 1520), (415, 1571), (433, 1628), (445, 1664), (449, 1685), (490, 1754), (495, 1763), (609, 1916), (652, 1994), (673, 2021), (682, 2039), (709, 2090), (760, 2189), (769, 2198), (796, 2234), (800, 2240), (821, 2270), (829, 2282), (838, 2297), (843, 2303), (846, 2309), (853, 2324), (855, 2327), (870, 2348), (919, 2411), (932, 2426), (1052, 2594), (1056, 2600),

Gene: Merpity_3 Start: 658, Stop: 1761, Start Num: 333

Candidate Starts for Merpity_3:

(Start: 170 @316 has 1 MA's), (Start: 229 @424 has 18 MA's), (233, 430), (252, 466), (256, 472), (333, 658), (336, 667), (415, 760), (430, 805), (434, 820), (445, 853), (447, 862), (448, 865), (460, 895), (461, 898), (464, 904), (466, 907), (490, 943), (609, 1102), (613, 1114), (671, 1210), (704, 1252), (707, 1261), (711, 1273), (746, 1357), (800, 1423), (821, 1453), (823, 1456), (829, 1465), (847, 1492), (863, 1522), (872, 1537), (988, 1684), (993, 1693),

Gene: MiaZeal_10 Start: 3527, Stop: 5059, Start Num: 163

Candidate Starts for MiaZeal_10:

(Start: 93 @3443 has 5 MA's), (126, 3485), (135, 3494), (Start: 163 @3527 has 17 MA's), (232, 3641), (268, 3704), (284, 3737), (285, 3740), (296, 3785), (330, 3860), (333, 3869), (413, 3971), (415, 3974), (426, 4010), (436, 4043), (581, 4292), (616, 4355), (630, 4382), (719, 4541), (735, 4577), (753, 4607), (758, 4616), (809, 4670), (826, 4694), (1011, 4928), (1018, 4940),

Gene: Miaurora_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for Miaurora_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (760, 2277), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: MichaelScott_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for MichaelScott_3:

(Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (447, 1423), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: MichelleMyBell_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for MichelleMyBell_2:

(5, 107), (6, 116), (10, 170), (Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (293, 743), (295, 749), (323, 806), (358, 878), (386, 926), (432, 1025), (448, 1076), (488, 1148), (497, 1163), (506, 1181), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (735, 1589), (744, 1607), (759, 1634), (809, 1703), (847, 1760), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (940, 1859), (951, 1874), (1011, 1955), (1014, 1961),

Gene: Miley16_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Miley16_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Milly_4 Start: 652, Stop: 2076, Start Num: 167

Candidate Starts for Milly_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (367, 1030), (387, 1057), (432, 1138), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (705,

1576), (709, 1588), (726, 1630), (741, 1660), (757, 1687), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (1052, 2065),

Gene: MillySue_6 Start: 1935, Stop: 3632, Start Num: 116

Candidate Starts for MillySue_6:

(91, 1902), (Start: 116 @1935 has 19 MA's), (203, 2055), (Start: 212 @2076 has 10 MA's), (219, 2091), (240, 2124), (281, 2166), (282, 2169), (293, 2214), (299, 2232), (300, 2235), (337, 2310), (374, 2358), (375, 2361), (416, 2415), (450, 2529), (475, 2586), (476, 2589), (490, 2610), (525, 2685), (619, 2907), (625, 2922), (668, 2988), (674, 2994), (677, 2997), (678, 3000), (704, 3060), (707, 3069), (715, 3093), (728, 3132), (738, 3150), (762, 3192), (794, 3225), (823, 3264), (862, 3306), (883, 3348), (967, 3423), (970, 3426), (974, 3432), (1010, 3483), (1017, 3495), (1055, 3537), (1092, 3621),

Gene: Milomuff_4 Start: 1046, Stop: 2674, Start Num: 137

Candidate Starts for Milomuff_4:

(Start: 42 @932 has 1 MA's), (80, 986), (Start: 137 @1046 has 81 MA's), (240, 1202), (299, 1310), (343, 1394), (362, 1418), (374, 1436), (416, 1493), (433, 1544), (434, 1547), (450, 1607), (455, 1625), (471, 1655), (488, 1685), (731, 2141), (738, 2156), (987, 2507), (1021, 2555), (1092, 2663),

Gene: Min1_37 Start: 17540, Stop: 19132, Start Num: 144

Candidate Starts for Min1_37:

(144, 17540), (Start: 157 @17555 has 25 MA's), (203, 17624), (240, 17693), (282, 17738), (283, 17741), (302, 17807), (330, 17888), (338, 17906), (379, 17960), (452, 18161), (476, 18215), (564, 18311), (596, 18368), (604, 18386), (625, 18434), (709, 18566), (722, 18605), (737, 18638), (753, 18668), (816, 18746), (842, 18785), (952, 18914), (1015, 19001),

Gene: MiniLon_5 Start: 1196, Stop: 2761, Start Num: 74

Candidate Starts for MiniLon_5:

(Start: 74 @1196 has 76 MA's), (Start: 78 @1202 has 19 MA's), (206, 1373), (281, 1478), (285, 1490), (346, 1646), (350, 1655), (358, 1658), (360, 1661), (413, 1736), (431, 1790), (432, 1793), (433, 1796), (530, 1985), (558, 2027), (603, 2102), (614, 2123), (616, 2129), (663, 2198), (704, 2240), (707, 2249), (709, 2255), (760, 2369), (797, 2408), (801, 2414), (846, 2480), (880, 2534), (905, 2570), (913, 2582), (954, 2621), (1021, 2708), (1055, 2753), (1057, 2756),

Gene: MiniMac_5 Start: 1196, Stop: 2761, Start Num: 74

Candidate Starts for MiniMac_5:

(Start: 74 @1196 has 76 MA's), (Start: 78 @1202 has 19 MA's), (206, 1373), (281, 1478), (285, 1490), (346, 1646), (350, 1655), (358, 1658), (360, 1661), (413, 1736), (431, 1790), (432, 1793), (433, 1796), (558, 2027), (603, 2102), (614, 2123), (616, 2129), (663, 2198), (688, 2222), (704, 2240), (707, 2249), (709, 2255), (760, 2369), (797, 2408), (801, 2414), (846, 2480), (880, 2534), (905, 2570), (913, 2582), (954, 2621), (1021, 2708), (1055, 2753), (1057, 2756),

Gene: Minima_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Minima_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: MintFen_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for MintFen_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676,

1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Mireles_4 Start: 1134, Stop: 2663, Start Num: 136

Candidate Starts for Mireles_4:

(Start: 136 @1134 has 6 MA's), (183, 1179), (299, 1392), (352, 1509), (447, 1719), (449, 1731), (454, 1746), (477, 1788), (490, 1806), (570, 1944), (616, 2031), (671, 2118), (704, 2157), (715, 2190), (850, 2388), (853, 2397), (1030, 2607),

Gene: MirimarMandM_3 Start: 1104, Stop: 2564, Start Num: 108

Candidate Starts for MirimarMandM_3:

(Start: 108 @1104 has 144 MA's), (Start: 114 @1110 has 2 MA's), (Start: 236 @1272 has 15 MA's), (240, 1281), (282, 1341), (303, 1410), (319, 1431), (332, 1467), (337, 1482), (449, 1686), (550, 1821), (590, 1899), (601, 1914), (610, 1932), (619, 1950), (642, 1992), (664, 2025), (679, 2043), (737, 2163), (738, 2166), (746, 2178), (751, 2190), (803, 2253), (858, 2310), (862, 2316), (867, 2325), (872, 2334), (873, 2337), (1010, 2499), (1015, 2508), (1021, 2517), (1053, 2556),

Gene: Miryou_6 Start: 1325, Stop: 2752, Start Num: 175

Candidate Starts for Miryou_6:

(Start: 175 @1325 has 25 MA's), (204, 1382), (Start: 215 @1403 has 1 MA's), (Start: 229 @1427 has 18 MA's), (279, 1511), (283, 1520), (285, 1526), (295, 1568), (302, 1586), (315, 1604), (333, 1655), (339, 1670), (387, 1730), (431, 1808), (445, 1850), (447, 1859), (448, 1862), (490, 1940), (579, 2054), (609, 2102), (631, 2144), (644, 2168), (651, 2180), (671, 2207), (705, 2252), (709, 2264), (794, 2411), (821, 2450), (855, 2507), (872, 2531), (890, 2555), (919, 2579), (989, 2678), (993, 2684), (1052, 2741),

Gene: Misaeng_5 Start: 3319, Stop: 4710, Start Num: 212

Candidate Starts for Misaeng_5:

(Start: 79 @3145 has 76 MA's), (Start: 212 @3319 has 10 MA's), (Start: 234 @3355 has 4 MA's), (281, 3409), (284, 3418), (291, 3451), (296, 3466), (299, 3475), (374, 3601), (427, 3715), (432, 3730), (434, 3736), (450, 3796), (476, 3856), (516, 3922), (533, 3955), (551, 3985), (559, 4000), (586, 4033), (604, 4048), (674, 4168), (685, 4183), (735, 4276), (753, 4312), (814, 4387), (829, 4408), (860, 4429), (896, 4498), (987, 4576), (1015, 4615), (1041, 4645), (1053, 4657), (1080, 4696), (1084, 4705),

Gene: Misha28_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for Misha28_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: MissDaisy_9 Start: 2526, Stop: 3866, Start Num: 229

Candidate Starts for MissDaisy_9:

(Start: 167 @2421 has 168 MA's), (Start: 229 @2526 has 18 MA's), (279, 2610), (283, 2619), (291, 2655), (295, 2667), (315, 2709), (333, 2760), (340, 2778), (367, 2808), (431, 2913), (445, 2955), (447, 2964), (448, 2967), (490, 3045), (495, 3054), (579, 3159), (606, 3201), (609, 3207), (631, 3249), (709, 3366), (725, 3408), (741, 3453), (797, 3522), (829, 3567), (843, 3588), (855, 3612), (932, 3696), (993, 3789), (1052, 3855), (1056, 3861),

Gene: MissRona_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for MissRona_2:

(Start: 102 @334 has 55 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (296, 646), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (945, 1753), (1078, 1942),

Gene: Mitti_9 Start: 2478, Stop: 3923, Start Num: 167

Candidate Starts for Mitti_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3912), (1056, 3918),

Gene: MkaliMitinis3_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for MkaliMitinis3_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: MoRicky_2 Start: 176, Stop: 1804, Start Num: 148

Candidate Starts for MoRicky_2:

(Start: 148 @176 has 6 MA's), (186, 224), (206, 278), (260, 380), (263, 389), (279, 422), (291, 467), (295, 479), (309, 515), (322, 527), (339, 575), (369, 620), (378, 632), (416, 686), (431, 731), (447, 782), (453, 806), (464, 833), (550, 971), (568, 1007), (604, 1067), (734, 1307), (791, 1409), (798, 1421), (837, 1475), (859, 1511), (861, 1514), (883, 1559), (901, 1589), (925, 1607), (1034, 1751), (1051, 1778),

Gene: Mocha12_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Mocha12_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Moki_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Moki_2:

(Start: 79 @426 has 76 MA's), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (294, 741), (299, 756), (302, 762), (310, 780), (405, 942), (416, 963), (450, 1077), (476, 1137), (516, 1203), (533, 1236), (551, 1266), (559, 1281), (619, 1362), (665, 1440), (674, 1449), (797, 1647), (829, 1689), (862, 1713), (883, 1755), (987, 1857),

Gene: Moloch_4 Start: 874, Stop: 2364, Start Num: 110

Candidate Starts for Moloch_4:

(Start: 110 @874 has 45 MA's), (Start: 163 @919 has 17 MA's), (Start: 221 @1021 has 1 MA's), (Start: 234 @1039 has 4 MA's), (239, 1048), (281, 1099), (282, 1102), (285, 1111), (291, 1141), (300, 1168), (363, 1267), (424, 1366), (432, 1390), (433, 1393), (434, 1396), (448, 1441), (597, 1675), (623, 1723), (629, 1735), (651, 1774), (665, 1792), (678, 1804), (679, 1807), (693, 1828), (696, 1834), (702, 1846),

(738, 1924), (777, 1978), (820, 2032), (830, 2044), (860, 2089), (890, 2137), (978, 2221), (1017, 2278), (1073, 2347),

Gene: MooKitty_3 Start: 668, Stop: 2077, Start Num: 152

Candidate Starts for MooKitty_3:

(Start: 152 @668 has 16 MA's), (185, 710), (Start: 212 @764 has 10 MA's), (Start: 221 @782 has 1 MA's), (283, 866), (285, 872), (291, 902), (295, 914), (302, 932), (385, 1052), (424, 1127), (432, 1151), (446, 1196), (448, 1202), (470, 1256), (474, 1265), (629, 1496), (642, 1517), (685, 1583), (739, 1688), (741, 1691), (777, 1736), (810, 1778), (828, 1802), (871, 1856), (872, 1859), (925, 1913), (950, 1934), (1059, 2048), (1068, 2063),

Gene: MooMoo_2 Start: 337, Stop: 1785, Start Num: 167

Candidate Starts for MooMoo_2:

(Start: 52 @205 has 3 MA's), (80, 241), (Start: 130 @307 has 4 MA's), (Start: 161 @331 has 1 MA's), (Start: 167 @337 has 168 MA's), (204, 412), (283, 556), (287, 574), (290, 589), (291, 592), (310, 634), (315, 640), (331, 685), (333, 691), (367, 739), (387, 766), (447, 895), (449, 907), (460, 928), (497, 988), (578, 1105), (606, 1150), (623, 1186), (635, 1204), (650, 1228), (667, 1249), (702, 1288), (705, 1294), (706, 1297), (737, 1372), (738, 1375), (746, 1387), (776, 1426), (797, 1450), (800, 1453), (821, 1483), (838, 1510), (876, 1573), (898, 1606), (919, 1627), (932, 1639), (993, 1720), (1047, 1768),

Gene: Moonflower_2 Start: 585, Stop: 2195, Start Num: 131

Candidate Starts for Moonflower_2:

(Start: 131 @585 has 13 MA's), (255, 768), (315, 903), (333, 951), (383, 1023), (450, 1176), (468, 1218), (488, 1248), (541, 1353), (544, 1362), (583, 1443), (585, 1446), (602, 1464), (630, 1509), (651, 1542), (676, 1569), (715, 1647), (758, 1734), (782, 1758), (844, 1851), (846, 1854), (853, 1872), (904, 1956), (1025, 2130),

Gene: Moosehead_2 Start: 437, Stop: 1936, Start Num: 156

Candidate Starts for Moosehead_2:

(64, 338), (Start: 68 @344 has 1 MA's), (129, 422), (135, 428), (Start: 156 @437 has 11 MA's), (Start: 189 @473 has 1 MA's), (Start: 197 @497 has 1 MA's), (209, 524), (Start: 215 @536 has 1 MA's), (220, 548), (246, 590), (262, 611), (281, 650), (282, 653), (298, 713), (310, 734), (315, 740), (316, 743), (333, 791), (336, 800), (337, 803), (415, 911), (426, 947), (433, 968), (447, 1013), (448, 1016), (461, 1058), (466, 1067), (540, 1154), (542, 1160), (572, 1205), (604, 1256), (609, 1265), (610, 1268), (628, 1307), (631, 1310), (649, 1340), (707, 1412), (709, 1418), (739, 1490), (742, 1493), (770, 1526), (800, 1565), (819, 1592), (823, 1595), (866, 1658), (906, 1727), (908, 1730), (925, 1754), (936, 1766), (939, 1769), (983, 1835), (988, 1844), (989, 1847), (1012, 1877), (1052, 1925),

Gene: Moostard_5 Start: 1186, Stop: 2751, Start Num: 74

Candidate Starts for Moostard_5:

(Start: 74 @1186 has 76 MA's), (Start: 78 @1192 has 19 MA's), (206, 1363), (281, 1468), (285, 1480), (346, 1636), (350, 1645), (358, 1648), (360, 1651), (413, 1726), (431, 1780), (432, 1783), (433, 1786), (558, 2017), (603, 2092), (614, 2113), (616, 2119), (663, 2188), (688, 2212), (704, 2230), (709, 2245), (760, 2359), (797, 2398), (801, 2404), (846, 2470), (905, 2560), (913, 2572), (954, 2611), (1021, 2698), (1055, 2743), (1057, 2746),

Gene: Mori_30 Start: 13115, Stop: 14629, Start Num: 76

Candidate Starts for Mori_30:

(Start: 76 @13115 has 17 MA's), (Start: 78 @13118 has 19 MA's), (Start: 215 @13298 has 1 MA's), (269, 13391), (294, 13466), (310, 13499), (323, 13526), (333, 13556), (431, 13709), (433, 13715), (445, 13751), (447, 13760), (490, 13841), (495, 13850), (497, 13853), (540, 13892), (576, 13949), (596, 13985), (601, 13988), (706, 14144), (709, 14153), (737, 14222), (741, 14231), (746, 14237), (769, 14270), (800, 14306), (855, 14393), (871, 14414), (932, 14477), (935, 14480), (938, 14483),

(947, 14501), (963, 14522), (993, 14564), (1026, 14600), (1047, 14612),

Gene: Morkie_2 Start: 375, Stop: 1757, Start Num: 196

Candidate Starts for Morkie_2:

(Start: 120 @312 has 2 MA's), (Start: 196 @375 has 6 MA's), (256, 486), (315, 615), (336, 675), (367, 714), (426, 804), (438, 846), (447, 870), (453, 894), (460, 903), (464, 912), (466, 915), (562, 1041), (631, 1158), (691, 1239), (707, 1266), (709, 1272), (741, 1341), (779, 1383), (797, 1410), (808, 1425), (830, 1455), (838, 1470), (843, 1476), (855, 1500), (919, 1575), (935, 1590), (989, 1674), (993, 1680), (999, 1686), (1004, 1692), (1006, 1695),

Gene: Morrey_4 Start: 1243, Stop: 2838, Start Num: 110

Candidate Starts for Morrey_4:

(Start: 110 @1243 has 45 MA's), (291, 1501), (299, 1525), (302, 1531), (450, 1822), (461, 1852), (490, 1903), (496, 1912), (555, 2014), (561, 2026), (627, 2149), (715, 2278), (844, 2506), (871, 2548), (1082, 2827),

Gene: Morrissey_2 Start: 537, Stop: 2093, Start Num: 117

Candidate Starts for Morrissey_2:

(Start: 117 @537 has 7 MA's), (Start: 148 @564 has 6 MA's), (219, 678), (290, 792), (299, 819), (360, 927), (367, 939), (378, 954), (414, 1002), (416, 1005), (432, 1053), (449, 1116), (475, 1176), (476, 1179), (569, 1293), (578, 1308), (636, 1410), (638, 1416), (652, 1443), (668, 1461), (707, 1509), (709, 1515), (720, 1548), (737, 1587), (738, 1590), (820, 1722), (860, 1791), (862, 1794), (872, 1812), (888, 1848), (949, 1905), (967, 1929), (1083, 2085),

Gene: Mova_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Mova_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (235, 807), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (834, 1881), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Mowgli_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Mowgli_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Moyashi_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Moyashi_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (991, 1791), (997, 1797), (1004, 1806), (1029, 1836), (1034, 1842), (1058, 1875), (1063, 1881),

Gene: Mozy_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Mozy_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (275, 882), (277, 885), (281, 891), (283, 897), (292, 936), (295, 945), (315, 981), (330, 1023), (356, 1071), (368, 1089), (371, 1092), (415, 1143), (447, 1245), (448, 1248), (449, 1257), (451, 1263), (460, 1278), (466, 1290), (487, 1323), (540, 1398), (542, 1404), (555, 1434), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (707, 1680), (857, 1920), (868, 1935), (871, 1941), (890, 1965), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: MrAK_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for MrAK_2:

(Start: 153 @378 has 41 MA's), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (875, 1626), (893, 1647), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: MrBoss_5 Start: 3243, Stop: 4625, Start Num: 217

Candidate Starts for MrBoss_5:

(Start: 79 @3057 has 76 MA's), (217, 3243), (Start: 236 @3273 has 15 MA's), (281, 3324), (285, 3336), (291, 3366), (299, 3390), (310, 3414), (374, 3516), (416, 3597), (432, 3645), (450, 3711), (471, 3759), (475, 3768), (533, 3870), (551, 3900), (636, 4026), (707, 4119), (735, 4191), (753, 4227), (829, 4323), (883, 4389), (928, 4419), (933, 4425), (987, 4491), (1080, 4611),

Gene: MrGloopy_5 Start: 3066, Stop: 4631, Start Num: 79

Candidate Starts for MrGloopy_5:

(Start: 79 @3066 has 76 MA's), (Start: 234 @3276 has 4 MA's), (Start: 236 @3279 has 15 MA's), (281, 3330), (296, 3387), (299, 3396), (310, 3420), (427, 3636), (431, 3648), (432, 3651), (434, 3657), (450, 3717), (476, 3777), (483, 3789), (533, 3876), (551, 3906), (559, 3921), (619, 4002), (665, 4080), (674, 4089), (707, 4125), (720, 4164), (735, 4197), (738, 4206), (753, 4233), (797, 4287), (829, 4329), (873, 4374), (883, 4395), (896, 4419), (987, 4497), (1080, 4617),

Gene: MrGreen_3 Start: 1092, Stop: 2552, Start Num: 108

Candidate Starts for MrGreen_3:

(Start: 108 @1092 has 144 MA's), (Start: 114 @1098 has 2 MA's), (Start: 236 @1260 has 15 MA's), (240, 1269), (282, 1329), (303, 1398), (319, 1419), (337, 1470), (449, 1674), (550, 1809), (590, 1887), (601, 1902), (619, 1938), (642, 1980), (664, 2013), (679, 2031), (737, 2151), (738, 2154), (746, 2166), (803, 2241), (862, 2304), (872, 2322), (873, 2325), (1010, 2487), (1015, 2496), (1021, 2505), (1053, 2544),

Gene: MrMagoo_18 Start: 5300, Stop: 6841, Start Num: 98

Candidate Starts for MrMagoo_18:

(Start: 98 @5300 has 36 MA's), (Start: 99 @5303 has 4 MA's), (232, 5486), (252, 5504), (276, 5537), (282, 5546), (299, 5609), (333, 5684), (431, 5837), (443, 5876), (492, 5969), (504, 5990), (595, 6137), (631, 6197), (748, 6371), (801, 6449), (843, 6509), (856, 6536), (1040, 6791),

Gene: MrSmee_2 Start: 424, Stop: 1761, Start Num: 229

Candidate Starts for MrSmee_2:

(Start: 170 @316 has 1 MA's), (Start: 229 @424 has 18 MA's), (233, 430), (252, 466), (256, 472), (333, 658), (336, 667), (430, 805), (434, 820), (445, 853), (447, 862), (448, 865), (460, 895), (461, 898), (464, 904), (466, 907), (490, 943), (609, 1102), (613, 1114), (671, 1210), (704, 1252), (707, 1261), (711, 1273), (746, 1357), (800, 1423), (821, 1453), (823, 1456), (829, 1465), (847, 1492), (863, 1522), (872, 1537), (993, 1693),

Gene: MsGreen_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for MsGreen_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: MsUbiquitous_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for MsUbiquitous_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Mufasa_4 Start: 652, Stop: 2073, Start Num: 167

Candidate Starts for Mufasa_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (367, 1030), (387, 1057), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (497, 1279), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (652, 1510), (709, 1588), (726, 1630), (741, 1660), (797, 1729), (808, 1744), (821, 1762), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (993, 1996), (1052, 2062),

Gene: Mulch_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Mulch_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: MulchExplorer_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for MulchExplorer_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (275, 881), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (330, 1022), (337, 1043), (356, 1070), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102),

Gene: Murai_31 Start: 13308, Stop: 14819, Start Num: 78

Candidate Starts for Murai_31:

(Start: 76 @13305 has 17 MA's), (Start: 78 @13308 has 19 MA's), (Start: 215 @13488 has 1 MA's), (269, 13581), (294, 13656), (310, 13689), (323, 13716), (333, 13746), (431, 13899), (433, 13905), (445, 13941), (447, 13950), (490, 14031), (495, 14040), (497, 14043), (540, 14082), (576, 14139), (596, 14175), (601, 14178), (706, 14334), (709, 14343), (737, 14412), (741, 14421), (746, 14427),

(769, 14460), (800, 14496), (855, 14583), (871, 14604), (932, 14667), (935, 14670), (938, 14673), (947, 14691), (963, 14712), (993, 14754), (1026, 14790), (1047, 14802),

Gene: Murp_2 Start: 360, Stop: 1931, Start Num: 128

Candidate Starts for Murp_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 576), (282, 597), (315, 696), (329, 732), (333, 744), (360, 786), (367, 798), (388, 825), (432, 903), (468, 1008), (477, 1023), (488, 1038), (490, 1041), (544, 1116), (569, 1167), (676, 1323), (691, 1344), (705, 1362), (707, 1368), (730, 1434), (737, 1446), (760, 1482), (794, 1521), (800, 1530), (801, 1533), (823, 1563), (847, 1602), (878, 1662), (890, 1683), (904, 1704), (936, 1746), (945, 1761), (971, 1797), (1050, 1893), (1058, 1905), (1067, 1914),

Gene: Murucutumbu_8 Start: 1562, Stop: 2983, Start Num: 167

Candidate Starts for Murucutumbu_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (315, 1850), (333, 1901), (367, 1949), (387, 1976), (388, 1979), (431, 2054), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (661, 2441), (709, 2510), (800, 2654), (823, 2687), (855, 2741), (993, 2918), (1052, 2972),

Gene: Muttlie_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Muttlie_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (248, 992), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Mynx_8 Start: 1613, Stop: 3034, Start Num: 167

Candidate Starts for Mynx_8:

(88, 1541), (Start: 156 @1601 has 11 MA's), (Start: 167 @1613 has 168 MA's), (Start: 229 @1724 has 18 MA's), (233, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (333, 1952), (361, 1994), (367, 2000), (387, 2027), (388, 2030), (445, 2147), (447, 2156), (490, 2237), (579, 2351), (609, 2399), (613, 2411), (631, 2441), (651, 2477), (707, 2555), (709, 2561), (800, 2705), (823, 2738), (855, 2792), (993, 2969), (1052, 3023),

Gene: Myram_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Myram_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: NaLuna_2 Start: 522, Stop: 2105, Start Num: 131

Candidate Starts for NaLuna_2:

(100, 489), (Start: 108 @498 has 144 MA's), (Start: 131 @522 has 13 MA's), (296, 807), (315, 840), (333, 888), (369, 948), (383, 960), (432, 1050), (468, 1155), (544, 1299), (569, 1350), (630, 1446), (676, 1506), (707, 1554), (715, 1578), (758, 1665), (826, 1755), (846, 1785), (853, 1803), (894, 1872), (904, 1887), (920, 1911),

Gene: Naby_3 Start: 778, Stop: 2235, Start Num: 108

Candidate Starts for Naby_3:

(Start: 108 @778 has 144 MA's), (Start: 236 @943 has 15 MA's), (303, 1081), (319, 1102), (332, 1138), (337, 1153), (431, 1294), (449, 1357), (456, 1381), (619, 1621), (642, 1663), (664, 1696), (679, 1714), (737, 1834), (746, 1849), (773, 1885), (803, 1924), (862, 1987), (873, 2008), (1010, 2170), (1021, 2188),

Gene: Nadeem_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Nadeem_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Namsahir_3 Start: 1095, Stop: 2555, Start Num: 108

Candidate Starts for Namsahir_3:

(Start: 108 @1095 has 144 MA's), (Start: 114 @1101 has 2 MA's), (Start: 236 @1263 has 15 MA's), (240, 1272), (282, 1332), (303, 1401), (319, 1422), (337, 1473), (449, 1677), (550, 1812), (601, 1905), (610, 1923), (619, 1941), (642, 1983), (664, 2016), (679, 2034), (737, 2154), (738, 2157), (746, 2169), (751, 2181), (760, 2193), (803, 2244), (858, 2301), (862, 2307), (867, 2316), (872, 2325), (873, 2328), (1010, 2490), (1015, 2499), (1021, 2508), (1053, 2547),

Gene: Nancia_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Nancia_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (284, 699), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: NancyRae_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for NancyRae_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 125 @1816 has 6 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (518, 2536), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Nandita_6 Start: 1957, Stop: 3657, Start Num: 116

Candidate Starts for Nandita_6:

(73, 1900), (Start: 98 @1936 has 36 MA's), (Start: 116 @1957 has 19 MA's), (203, 2080), (Start: 212 @2101 has 10 MA's), (240, 2149), (282, 2194), (283, 2197), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (375, 2386), (416, 2440), (450, 2554), (476, 2614), (490, 2635), (523, 2701), (585, 2866), (619, 2932), (625, 2947), (715, 3118), (728, 3157), (735, 3166), (738, 3175), (762, 3217), (794, 3250), (823, 3289), (862, 3331), (883, 3373), (947, 3421), (967, 3448), (970, 3451), (974, 3457), (987, 3478), (1017, 3520), (1092, 3646),

Gene: Nanosmite_18 Start: 5467, Stop: 7059, Start Num: 98

Candidate Starts for Nanosmite_18:

(Start: 98 @5467 has 36 MA's), (Start: 99 @5470 has 4 MA's), (192, 5572), (232, 5656), (283, 5719), (333, 5854), (334, 5857), (443, 6046), (558, 6241), (566, 6256), (647, 6397), (715, 6514), (748, 6589), (856, 6754), (1021, 6988), (1040, 7009),

Gene: Nazo_2 Start: 392, Stop: 2065, Start Num: 51

Candidate Starts for Nazo_2:

(8, 179), (17, 275), (Start: 51 @392 has 50 MA's), (Start: 120 @485 has 2 MA's), (Start: 137 @503 has 81 MA's), (207, 608), (228, 647), (292, 773), (299, 794), (302, 800), (304, 803), (329, 857), (341, 890), (404, 980), (476, 1169), (544, 1265), (569, 1316), (660, 1457), (676, 1469), (707, 1514), (794, 1667), (800, 1676), (819, 1703), (829, 1718), (846, 1745), (853, 1763), (876, 1799), (914, 1862), (966, 1934), (1067, 2048),

Gene: Nebulanyx_4 Start: 607, Stop: 2163, Start Num: 74

Candidate Starts for Nebulanyx_4:

(Start: 74 @607 has 76 MA's), (Start: 84 @619 has 6 MA's), (Start: 125 @658 has 6 MA's), (Start: 162 @700 has 1 MA's), (165, 703), (187, 730), (219, 811), (226, 820), (241, 847), (278, 901), (283, 907), (294, 952), (331, 1027), (332, 1030), (334, 1036), (336, 1042), (337, 1045), (349, 1063), (453, 1273), (527, 1387), (529, 1390), (546, 1417), (549, 1420), (561, 1444), (565, 1453), (604, 1504), (614, 1525), (651, 1597), (670, 1621), (709, 1672), (714, 1687), (718, 1699), (738, 1744), (746, 1756), (862, 1948), (865, 1954), (976, 2101), (981, 2110), (987, 2119),

Gene: Necropolis_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Necropolis_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Neighly_6 Start: 1146, Stop: 2516, Start Num: 204

Candidate Starts for Neighly_6:

(Start: 175 @1089 has 25 MA's), (204, 1146), (Start: 215 @1167 has 1 MA's), (Start: 229 @1191 has 18 MA's), (279, 1275), (283, 1284), (285, 1290), (302, 1350), (315, 1368), (333, 1419), (359, 1458), (431, 1572), (445, 1614), (447, 1623), (448, 1626), (490, 1704), (579, 1818), (609, 1866), (613, 1878), (631, 1908), (651, 1944), (671, 1971), (709, 2028), (741, 2112), (755, 2136), (821, 2214), (855, 2271), (872, 2295), (890, 2319), (993, 2448), (1052, 2505),

Gene: Nekros_8 Start: 3575, Stop: 5107, Start Num: 163

Candidate Starts for Nekros_8:

(Start: 93 @3491 has 5 MA's), (126, 3533), (135, 3542), (Start: 163 @3575 has 17 MA's), (232, 3689), (268, 3752), (284, 3785), (285, 3788), (296, 3833), (330, 3908), (413, 4019), (415, 4022), (426, 4058), (436, 4091), (581, 4340), (616, 4403), (630, 4430), (653, 4475), (719, 4589), (735, 4625), (753, 4655), (758, 4664), (809, 4718), (826, 4742), (1011, 4976), (1018, 4988),

Gene: Nenae_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Nenae_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Neoh_2 Start: 456, Stop: 1892, Start Num: 178

Candidate Starts for Neoh_2:

(Start: 77 @360 has 24 MA's), (Start: 178 @456 has 43 MA's), (Start: 179 @459 has 5 MA's), (Start: 197 @495 has 1 MA's), (Start: 215 @534 has 1 MA's), (295, 696), (333, 783), (336, 792), (346, 810), (359, 822), (433, 942), (445, 978), (449, 999), (460, 1020), (490, 1068), (495, 1077), (609, 1230), (641, 1290), (652, 1308), (694, 1359), (709, 1386), (715, 1401), (716, 1404), (760, 1485), (796, 1530), (846,

1605), (855, 1623), (870, 1644), (915, 1689), (930, 1707), (932, 1710), (993, 1803), (1054, 1884),

Gene: Nettuno_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Nettuno_2:

(Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Netyap_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Netyap_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: NeumannU_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for NeumannU_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Neuville_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for Neuville_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: Neville_12 Start: 4818, Stop: 6263, Start Num: 155

Candidate Starts for Neville_12:

(Start: 155 @4818 has 8 MA's), (281, 5004), (316, 5097), (349, 5178), (364, 5190), (399, 5229), (413, 5247), (419, 5256), (445, 5340), (447, 5349), (477, 5409), (490, 5427), (566, 5547), (579, 5574), (622, 5643), (645, 5673), (692, 5739), (738, 5844), (801, 5931), (823, 5955), (847, 5994), (887, 6057), (927, 6108), (980, 6165),

Gene: Nibb_7 Start: 1575, Stop: 2999, Start Num: 167

Candidate Starts for Nibb_7:

(Start: 167 @1575 has 168 MA's), (204, 1641), (Start: 215 @1662 has 1 MA's), (Start: 229 @1686 has 18 MA's), (254, 1731), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (315, 1863), (333, 1914), (359, 1953), (387, 1989), (431, 2067), (445, 2109), (447, 2118), (490, 2199), (579, 2313), (606, 2355), (609, 2361), (613, 2373), (631, 2403), (651, 2439), (661, 2454), (709, 2523), (726, 2565), (741, 2595), (797, 2664), (821, 2697), (823, 2700), (855, 2754), (876, 2787), (993, 2931), (1052, 2988),

Gene: Niblet_3 Start: 749, Stop: 2329, Start Num: 152

Candidate Starts for Niblet_3:

(Start: 85 @689 has 13 MA's), (Start: 152 @749 has 16 MA's), (Start: 212 @845 has 10 MA's), (217, 854), (Start: 221 @863 has 1 MA's), (Start: 236 @884 has 15 MA's), (281, 935), (294, 986), (299, 1001), (326, 1046), (435, 1247), (450, 1298), (458, 1322), (476, 1358), (490, 1379), (521, 1439), (531, 1469), (534, 1478), (564, 1541), (687, 1751), (702, 1769), (731, 1835), (735, 1841), (738, 1850), (755, 1880), (790, 1919), (844, 1997), (872, 2042), (877, 2054), (967, 2168), (1017, 2237), (1021, 2243), (1031, 2255), (1041, 2264), (1082, 2318),

Gene: Nibley_6 Start: 2259, Stop: 3791, Start Num: 163

Candidate Starts for Nibley_6:

(Start: 93 @2175 has 5 MA's), (126, 2217), (135, 2226), (Start: 163 @2259 has 17 MA's), (232, 2373), (284, 2469), (285, 2472), (294, 2511), (296, 2517), (330, 2592), (333, 2601), (413, 2703), (415, 2706), (426, 2742), (436, 2775), (581, 3024), (616, 3087), (630, 3114), (653, 3159), (719, 3273), (735, 3309), (753, 3339), (758, 3348), (809, 3402), (826, 3426), (1011, 3660), (1018, 3672),

Gene: Nicholas_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Nicholas_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: Nicholasp3_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Nicholasp3_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Nicky22_4 Start: 1151, Stop: 2779, Start Num: 137

Candidate Starts for Nicky22_4:

(Start: 137 @1151 has 81 MA's), (240, 1307), (299, 1415), (310, 1439), (334, 1484), (343, 1499), (416, 1598), (433, 1649), (450, 1712), (471, 1760), (488, 1790), (738, 2261), (987, 2612), (1021, 2660), (1092, 2768),

Gene: NiebruSaylor_30 Start: 13116, Stop: 14630, Start Num: 76

Candidate Starts for NiebruSaylor_30:

(Start: 76 @13116 has 17 MA's), (Start: 78 @13119 has 19 MA's), (Start: 215 @13299 has 1 MA's), (269, 13392), (294, 13467), (310, 13500), (323, 13527), (333, 13557), (431, 13710), (433, 13716), (445, 13752), (447, 13761), (490, 13842), (495, 13851), (497, 13854), (540, 13893), (576, 13950), (596, 13986), (601, 13989), (706, 14145), (709, 14154), (737, 14223), (741, 14232), (746, 14238), (769, 14271), (800, 14307), (855, 14394), (871, 14415), (932, 14478), (935, 14481), (938, 14484), (947, 14502), (963, 14523), (993, 14565), (1026, 14601), (1047, 14613),

Gene: Niffler_3 Start: 1152, Stop: 2612, Start Num: 108

Candidate Starts for Niffler_3:

(Start: 108 @1152 has 144 MA's), (Start: 114 @1158 has 2 MA's), (Start: 236 @1320 has 15 MA's), (240, 1329), (282, 1389), (303, 1458), (319, 1479), (337, 1530), (449, 1734), (550, 1869), (590, 1947), (601, 1962), (610, 1980), (619, 1998), (642, 2040), (664, 2073), (679, 2091), (737, 2211), (738, 2214), (746, 2226), (751, 2238), (760, 2250), (803, 2301), (858, 2358), (862, 2364), (867, 2373), (872, 2382), (873, 2385), (1010, 2547), (1015, 2556), (1021, 2565), (1053, 2604),

Gene: Nikao_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Nikao_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709,

1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: Niklas_8 Start: 1660, Stop: 3090, Start Num: 167

Candidate Starts for Niklas_8:

(Start: 108 @1618 has 144 MA's), (Start: 156 @1648 has 11 MA's), (Start: 167 @1660 has 168 MA's), (Start: 215 @1750 has 1 MA's), (Start: 229 @1774 has 18 MA's), (233, 1780), (254, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (333, 2002), (367, 2050), (445, 2197), (447, 2206), (539, 2335), (579, 2401), (606, 2443), (609, 2449), (613, 2461), (631, 2491), (644, 2515), (661, 2542), (709, 2611), (726, 2653), (741, 2683), (755, 2707), (800, 2755), (843, 2818), (855, 2842), (890, 2893), (935, 2932), (993, 3022), (1029, 3061), (1052, 3079), (1056, 3085),

Gene: Nobel_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for Nobel_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (760, 2277), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Noelani_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for Noelani_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: Noely_2 Start: 539, Stop: 2110, Start Num: 74

Candidate Starts for Noely_2:

(Start: 57 @521 has 1 MA's), (Start: 74 @539 has 76 MA's), (Start: 162 @644 has 1 MA's), (165, 647), (187, 674), (214, 743), (219, 755), (226, 764), (241, 791), (278, 845), (283, 851), (331, 971), (332, 974), (334, 980), (336, 986), (337, 989), (345, 998), (416, 1097), (453, 1217), (529, 1334), (549, 1364), (561, 1388), (604, 1448), (614, 1469), (670, 1565), (709, 1616), (714, 1631), (718, 1643), (720, 1649), (738, 1691), (768, 1754), (807, 1811), (862, 1895), (976, 2048), (981, 2057), (987, 2066),

Gene: November_6 Start: 1241, Stop: 2665, Start Num: 167

Candidate Starts for November_6:

(88, 1169), (Start: 111 @1202 has 6 MA's), (Start: 156 @1229 has 11 MA's), (Start: 167 @1241 has 168 MA's), (Start: 215 @1328 has 1 MA's), (Start: 229 @1352 has 18 MA's), (279, 1436), (283, 1445), (295, 1493), (302, 1511), (315, 1529), (333, 1580), (367, 1628), (387, 1655), (445, 1775), (447, 1784), (448, 1787), (460, 1817), (490, 1865), (579, 1979), (631, 2069), (661, 2120), (680, 2141), (709, 2189), (726, 2231), (741, 2261), (755, 2285), (800, 2333), (855, 2420), (993, 2597), (1052, 2654), (1056, 2660),

Gene: NovoPizza_3 Start: 1933, Stop: 3579, Start Num: 69

Candidate Starts for NovoPizza_3:

(37, 1885), (44, 1897), (62, 1924), (Start: 69 @1933 has 20 MA's), (139, 2005), (Start: 154 @2020 has 85 MA's), (Start: 169 @2035 has 5 MA's), (182, 2053), (Start: 212 @2122 has 10 MA's), (257, 2191), (280, 2230), (315, 2320), (329, 2356), (365, 2419), (417, 2497), (469, 2656), (488, 2683), (490, 2686), (495, 2695), (536, 2761), (569, 2812), (676, 2971), (678, 2974), (683, 2977), (707, 3016), (711, 3028), (730, 3082), (748, 3112), (758, 3127), (769, 3139), (794, 3169), (823, 3211), (826, 3217), (829, 3220), (853, 3265), (858, 3271), (875, 3298), (881, 3313), (914, 3364), (953, 3421), (971, 3445), (980, 3460),

(982, 3463), (1043, 3526), (1066, 3559),

Gene: Nubia_5 Start: 3068, Stop: 4633, Start Num: 79

Candidate Starts for Nubia_5:

(Start: 79 @3068 has 76 MA's), (Start: 212 @3242 has 10 MA's), (Start: 234 @3278 has 4 MA's), (281, 3332), (284, 3341), (290, 3371), (291, 3374), (296, 3389), (299, 3398), (374, 3524), (432, 3653), (434, 3659), (450, 3719), (476, 3779), (533, 3878), (551, 3908), (559, 3923), (604, 3971), (674, 4091), (720, 4166), (753, 4235), (814, 4310), (829, 4331), (860, 4352), (896, 4421), (987, 4499), (1015, 4538), (1041, 4568), (1053, 4580), (1080, 4619), (1084, 4628),

Gene: Nutello_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Nutello_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: OBUpride_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for OBUpride_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: ODay_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for ODay_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: OMalley_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for OMalley_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (299, 759), (310, 783), (337, 837), (416, 966), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (619, 1365), (674, 1452), (720, 1527), (721, 1530), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: Oaklynn_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Oaklynn_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (550, 1791), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Obliviate_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Obliviate_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (430, 891), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: OctaviousRex_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for OctaviousRex_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Octobien14_13 Start: 6018, Stop: 7493, Start Num: 155

Candidate Starts for Octobien14_13:

(Start: 155 @6018 has 8 MA's), (252, 6165), (281, 6204), (285, 6216), (331, 6339), (413, 6480), (415, 6483), (434, 6540), (447, 6582), (449, 6594), (463, 6618), (477, 6642), (488, 6657), (490, 6660), (504, 6684), (595, 6828), (603, 6837), (614, 6858), (645, 6906), (702, 6981), (705, 6987), (720, 7032), (728, 7056), (735, 7065), (743, 7083), (753, 7101), (821, 7182), (829, 7194), (847, 7224), (850, 7230), (913, 7320), (927, 7338), (1012, 7437), (1024, 7455), (1047, 7485),

Gene: Octopus_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Octopus_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: OdetoJoy_3 Start: 1155, Stop: 2615, Start Num: 108

Candidate Starts for OdetoJoy_3:

(Start: 108 @1155 has 144 MA's), (Start: 114 @1161 has 2 MA's), (Start: 236 @1323 has 15 MA's), (240, 1332), (282, 1392), (303, 1461), (319, 1482), (337, 1533), (449, 1737), (550, 1872), (590, 1950), (601, 1965), (619, 2001), (642, 2043), (664, 2076), (679, 2094), (737, 2214), (738, 2217), (746, 2229), (803, 2304), (862, 2367), (872, 2385), (873, 2388), (1010, 2550), (1015, 2559), (1021, 2568),

Gene: Ogopogo_4 Start: 925, Stop: 2445, Start Num: 154

Candidate Starts for Ogopogo_4:

(121, 913), (Start: 154 @925 has 85 MA's), (Start: 229 @1051 has 18 MA's), (235, 1060), (262, 1105), (275, 1135), (277, 1138), (281, 1144), (292, 1189), (300, 1213), (356, 1324), (368, 1342), (371, 1345), (387, 1369), (415, 1396), (433, 1453), (445, 1489), (447, 1498), (449, 1510), (451, 1516), (460, 1531), (466, 1543), (487, 1576), (491, 1582), (515, 1618), (542, 1657), (555, 1687), (556, 1690), (610, 1786), (613, 1795), (628, 1822), (685, 1906), (701, 1921), (755, 2032), (760, 2041), (769, 2050), (821, 2113), (868, 2188), (873, 2200), (890, 2218), (932, 2254), (962, 2296), (966, 2302), (993, 2344), (1004, 2356), (1012, 2368), (1071, 2434),

Gene: OhShagHennessy_4 Start: 1031, Stop: 2608, Start Num: 78

Candidate Starts for OhShagHennessy_4:

(Start: 74 @1025 has 76 MA's), (Start: 78 @1031 has 19 MA's), (206, 1202), (269, 1289), (281, 1307), (283, 1313), (291, 1349), (358, 1487), (360, 1490), (413, 1565), (432, 1622), (433, 1625), (515, 1793), (554, 1847), (558, 1856), (566, 1871), (576, 1892), (603, 1931), (614, 1952), (616, 1958), (633, 1985), (663, 2027), (688, 2051), (704, 2069), (707, 2078), (709, 2084), (720, 2117), (735, 2150), (755, 2189), (758, 2195), (760, 2198), (801, 2243), (846, 2309), (875, 2360), (893, 2384), (905, 2399), (907, 2402), (1000, 2504), (1017, 2531), (1055, 2582), (1057, 2585),

Gene: Ohgeesy_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Ohgeesy_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (528, 1071), (569, 1137), (589, 1179), (646, 1257), (663, 1281), (676, 1293), (689, 1314), (707, 1338), (709, 1344), (716, 1365), (758, 1458), (796, 1500), (800, 1506), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (1020, 1827), (1046, 1857),

Gene: OkiRoe_6 Start: 1327, Stop: 2754, Start Num: 175

Candidate Starts for OkiRoe_6:

(Start: 79 @1234 has 76 MA's), (Start: 175 @1327 has 25 MA's), (204, 1384), (Start: 215 @1405 has 1 MA's), (Start: 229 @1429 has 18 MA's), (279, 1513), (283, 1522), (285, 1528), (295, 1570), (302, 1588), (315, 1606), (333, 1657), (387, 1732), (431, 1810), (445, 1852), (447, 1861), (448, 1864), (490, 1942), (579, 2056), (609, 2104), (631, 2146), (644, 2170), (651, 2182), (671, 2209), (705, 2254), (709, 2266), (794, 2413), (821, 2452), (855, 2509), (872, 2533), (890, 2557), (919, 2581), (989, 2680), (993, 2686), (1052, 2743),

Gene: Oksu_3 Start: 798, Stop: 2159, Start Num: 229

Candidate Starts for Oksu_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (433, 1200), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Olga_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Olga_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Olliecat_3 Start: 953, Stop: 2530, Start Num: 137

Candidate Starts for Olliecat_3:

(Start: 137 @953 has 81 MA's), (Start: 162 @980 has 1 MA's), (217, 1070), (240, 1109), (282, 1154), (299, 1217), (307, 1232), (337, 1295), (433, 1451), (450, 1514), (475, 1571), (476, 1574), (488, 1592), (498, 1607), (610, 1829), (642, 1892), (653, 1916), (693, 1967), (694, 1970), (702, 1979), (715, 2003), (737, 2057), (753, 2087), (794, 2135), (896, 2273), (952, 2345), (1017, 2432), (1031, 2450), (1086, 2522),

Gene: OmniCritical_9 Start: 2570, Stop: 3910, Start Num: 229

Candidate Starts for OmniCritical_9:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (291, 2699), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: Omnicron_6 Start: 1387, Stop: 2814, Start Num: 175

Candidate Starts for Omnicron_6:

(Start: 156 @1366 has 11 MA's), (Start: 175 @1387 has 25 MA's), (204, 1444), (Start: 215 @1465 has 1 MA's), (Start: 229 @1489 has 18 MA's), (279, 1573), (283, 1582), (295, 1630), (302, 1648), (315, 1666), (333, 1717), (339, 1732), (387, 1792), (431, 1870), (445, 1912), (447, 1921), (448, 1924), (464, 1963), (490, 2002), (579, 2116), (596, 2146), (609, 2164), (631, 2206), (651, 2242), (671, 2269), (709, 2326), (741, 2410), (821, 2512), (829, 2524), (855, 2569), (872, 2593), (890, 2617), (993, 2746), (1052, 2803),

Gene: OneDirection_2 Start: 438, Stop: 1937, Start Num: 156

Candidate Starts for OneDirection_2:

(129, 423), (135, 429), (Start: 156 @438 has 11 MA's), (Start: 189 @474 has 1 MA's), (Start: 197 @498 has 1 MA's), (209, 525), (Start: 215 @537 has 1 MA's), (220, 549), (281, 651), (282, 654), (287, 675), (315, 741), (316, 744), (333, 792), (336, 801), (337, 804), (415, 912), (426, 948), (433, 969), (447, 1014), (448, 1017), (461, 1059), (466, 1068), (540, 1155), (572, 1206), (604, 1257), (609, 1266), (610, 1269), (628, 1308), (631, 1311), (649, 1341), (702, 1401), (707, 1413), (709, 1419), (739, 1491), (742, 1494), (800, 1566), (819, 1593), (823, 1596), (866, 1659), (871, 1668), (908, 1731), (925, 1755), (936, 1767), (939, 1770), (983, 1836), (988, 1845), (989, 1848), (993, 1854), (999, 1860), (1052, 1926),

Gene: Opie_2 Start: 520, Stop: 2169, Start Num: 93

Candidate Starts for Opie_2:

(Start: 93 @520 has 5 MA's), (Start: 117 @550 has 7 MA's), (Start: 136 @571 has 6 MA's), (238, 721), (257, 754), (333, 931), (336, 940), (404, 1054), (450, 1189), (528, 1324), (538, 1339), (569, 1390), (589, 1432), (676, 1546), (686, 1564), (689, 1567), (758, 1711), (767, 1720), (846, 1831), (853, 1849), (896, 1921), (920, 1957), (962, 2011), (1002, 2071), (1041, 2122),

Gene: Oppalora_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for Oppalora_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Orcanus_3 Start: 751, Stop: 2331, Start Num: 152

Candidate Starts for Orcanus_3:

(Start: 85 @685 has 13 MA's), (Start: 152 @751 has 16 MA's), (Start: 212 @847 has 10 MA's), (217, 856), (Start: 221 @865 has 1 MA's), (Start: 236 @886 has 15 MA's), (248, 910), (281, 937), (285, 949), (293, 985), (299, 1003), (310, 1027), (326, 1048), (416, 1186), (435, 1249), (450, 1300), (455, 1318), (476, 1360), (490, 1381), (521, 1441), (531, 1471), (534, 1480), (564, 1543), (702, 1771), (720, 1810), (731, 1837), (738, 1852), (755, 1882), (790, 1921), (844, 1999), (863, 2029), (877, 2056), (1017, 2239), (1021, 2245), (1041, 2266), (1082, 2320),

Gene: Oregano_2 Start: 348, Stop: 1907, Start Num: 102

Candidate Starts for Oregano_2:

(Start: 61 @288 has 1 MA's), (Start: 102 @348 has 55 MA's), (Start: 196 @456 has 6 MA's), (238, 534), (257, 567), (292, 651), (295, 660), (315, 696), (337, 756), (413, 846), (415, 849), (445, 942), (447,

951), (450, 966), (528, 1101), (569, 1167), (589, 1209), (640, 1278), (644, 1284), (676, 1323), (689, 1344), (709, 1374), (716, 1395), (735, 1440), (757, 1476), (758, 1479), (796, 1521), (876, 1650), (906, 1701), (1001, 1830), (1064, 1890),

Gene: Oscar_7 Start: 1482, Stop: 2906, Start Num: 167

Candidate Starts for Oscar_7:

(Start: 167 @1482 has 168 MA's), (Start: 215 @1569 has 1 MA's), (Start: 229 @1593 has 18 MA's), (233, 1599), (279, 1677), (283, 1686), (285, 1692), (295, 1734), (302, 1752), (315, 1770), (333, 1821), (359, 1860), (387, 1896), (431, 1974), (445, 2016), (447, 2025), (490, 2106), (579, 2220), (606, 2262), (609, 2268), (613, 2280), (631, 2310), (644, 2334), (651, 2346), (661, 2361), (709, 2430), (726, 2472), (797, 2571), (821, 2604), (823, 2607), (846, 2643), (855, 2661), (1052, 2895),

Gene: OtsoOtso_3 Start: 849, Stop: 2330, Start Num: 212

Candidate Starts for OtsoOtso_3:

(Start: 85 @684 has 13 MA's), (Start: 212 @849 has 10 MA's), (Start: 236 @888 has 15 MA's), (281, 939), (285, 951), (293, 987), (299, 1005), (416, 1188), (450, 1302), (454, 1314), (476, 1362), (490, 1383), (500, 1398), (527, 1455), (702, 1770), (731, 1836), (755, 1881), (790, 1920), (797, 1932), (844, 1998), (863, 2028), (884, 2073), (920, 2115), (947, 2142), (949, 2145), (1017, 2238), (1021, 2244), (1041, 2265), (1053, 2277), (1080, 2316), (1082, 2319),

Gene: Otwor_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Otwor_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: OurGirlNessie_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for OurGirlNessie_2:

(Start: 79 @426 has 76 MA's), (187, 549), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Ouroboros_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Ouroboros_2:

(Start: 153 @378 has 41 MA's), (Start: 160 @387 has 23 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (490, 1041), (492, 1044), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (687, 1335), (704, 1356), (718, 1398), (737, 1440), (755, 1467), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (849, 1584), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (900, 1656), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1021, 1827), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: OverPar_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for OverPar_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Owens_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Owens_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: OwlsT2W_3 Start: 797, Stop: 2158, Start Num: 229

Candidate Starts for OwlsT2W_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Oxynfrius_5 Start: 3081, Stop: 4646, Start Num: 79

Candidate Starts for Oxynfrius_5:

(Start: 79 @3081 has 76 MA's), (Start: 212 @3255 has 10 MA's), (Start: 234 @3291 has 4 MA's), (281, 3345), (284, 3354), (291, 3387), (296, 3402), (299, 3411), (374, 3537), (427, 3651), (432, 3666), (434, 3672), (450, 3732), (533, 3891), (551, 3921), (604, 3984), (619, 4017), (674, 4104), (720, 4179), (735, 4212), (753, 4248), (814, 4323), (829, 4344), (860, 4365), (896, 4434), (987, 4512), (1015, 4551), (1041, 4581), (1053, 4593), (1080, 4632), (1084, 4641),

Gene: P1.1_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P1.1_2:

(Start: 153 @378 has 41 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (601, 1191), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: P100.1_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P100.1_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P100A_2 Start: 383, Stop: 1894, Start Num: 153

Candidate Starts for P100A_2:

(Start: 153 @383 has 41 MA's), (194, 440), (217, 485), (Start: 234 @512 has 4 MA's), (Start: 236 @515 has 15 MA's), (278, 563), (283, 572), (285, 578), (291, 608), (294, 617), (296, 623), (315, 656), (323, 674), (331, 698), (333, 704), (350, 743), (353, 752), (355, 755), (419, 866), (428, 902), (432, 911), (433, 914), (438, 935), (445, 950), (447, 959), (466, 1010), (479, 1031), (490, 1046), (492, 1049), (493, 1052), (551, 1139), (589, 1184), (609, 1211), (616, 1232), (653, 1292), (678, 1319), (693, 1349), (707, 1370), (747, 1457), (769, 1490), (789, 1502), (793, 1508), (811, 1535), (826, 1556), (829, 1559), (831, 1562), (841, 1574), (863, 1610), (875, 1631), (909, 1673), (938, 1709), (940, 1712), (946, 1724), (952, 1736), (991, 1796), (997, 1802), (1004, 1811), (1013, 1826), (1058, 1880), (1063, 1886),

Gene: P100D_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for P100D_2:

(Start: 153 @373 has 41 MA's), (176, 397), (184, 412), (194, 430), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (508, 1063), (551, 1129), (567, 1150), (589, 1174), (601, 1186), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (704, 1351), (718, 1393), (755, 1462), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (862, 1597), (875, 1621), (909, 1663), (938, 1699), (940, 1702), (952, 1726), (991, 1786), (997, 1792), (1004, 1801), (1058, 1870), (1063, 1876),

Gene: P101A_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P101A_2:

(Start: 153 @378 has 41 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (991, 1791), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: P104A_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P104A_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P104B_2 Start: 385, Stop: 1884, Start Num: 163

Candidate Starts for P104B_2:

(150, 370), (Start: 153 @373 has 41 MA's), (Start: 163 @385 has 17 MA's), (184, 412), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (479, 1021), (492, 1039), (493, 1042), (499, 1048), (551, 1129), (567, 1150), (589, 1174), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (704,

1351), (718, 1393), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (862, 1597), (872, 1615), (875, 1621), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1027, 1828), (1058, 1870), (1063, 1876),

Gene: P105_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for P105_2:

(Start: 153 @373 has 41 MA's), (184, 412), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (262, 523), (278, 553), (283, 562), (285, 568), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (413, 847), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (479, 1021), (492, 1039), (493, 1042), (499, 1048), (508, 1063), (551, 1129), (567, 1150), (589, 1174), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (718, 1393), (737, 1435), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (863, 1600), (872, 1615), (875, 1621), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1027, 1828), (1058, 1870), (1063, 1876),

Gene: P106A_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P106A_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (616, 1227), (658, 1293), (683, 1326), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P106C_2 Start: 390, Stop: 1889, Start Num: 163

Candidate Starts for P106C_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (616, 1227), (658, 1293), (683, 1326), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P106I_2 Start: 390, Stop: 1889, Start Num: 163

Candidate Starts for P106I_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (616, 1227), (658, 1293), (683, 1326), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P106L_2 Start: 390, Stop: 1889, Start Num: 163

Candidate Starts for P106L_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (616, 1227), (658, 1293), (683, 1326), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P106M_2 Start: 390, Stop: 1889, Start Num: 163

Candidate Starts for P106M_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (616, 1227), (658, 1293), (683, 1326), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P107A_2 Start: 386, Stop: 1897, Start Num: 153

Candidate Starts for P107A_2:

(Start: 153 @386 has 41 MA's), (Start: 160 @395 has 23 MA's), (184, 425), (194, 443), (217, 488), (Start: 234 @515 has 4 MA's), (Start: 236 @518 has 15 MA's), (262, 536), (278, 566), (283, 575), (285, 581), (291, 611), (294, 620), (296, 626), (315, 659), (323, 677), (331, 701), (333, 707), (350, 746), (353, 755), (355, 758), (381, 797), (383, 800), (419, 869), (432, 914), (433, 917), (438, 938), (445, 953), (447, 962), (449, 974), (466, 1013), (479, 1034), (490, 1049), (492, 1052), (493, 1055), (499, 1061), (567, 1163), (601, 1199), (616, 1235), (658, 1301), (704, 1364), (716, 1400), (718, 1406), (789, 1505), (793, 1511), (811, 1538), (826, 1559), (829, 1562), (831, 1565), (841, 1577), (849, 1592), (859, 1607), (862, 1610), (875, 1634), (893, 1655), (900, 1664), (938, 1712), (940, 1715), (946, 1727), (952, 1739), (997, 1805), (1004, 1814), (1008, 1820), (1013, 1829), (1058, 1883), (1063, 1889),

Gene: P107C_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P107C_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: P108C_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P108C_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966),

(466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (704, 1356), (718, 1398), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (831, 1557), (862, 1602), (872, 1620), (875, 1626), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1004, 1806), (1034, 1842), (1058, 1875), (1063, 1881),

Gene: P14.4_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for P14.4_2:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (508, 1068), (551, 1134), (556, 1143), (567, 1155), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (831, 1557), (841, 1569), (862, 1602), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (997, 1797), (1004, 1806), (1008, 1812), (1021, 1827), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: P3MA_3 Start: 954, Stop: 2408, Start Num: 173

Candidate Starts for P3MA_3:

(Start: 173 @954 has 4 MA's), (Start: 215 @1038 has 1 MA's), (282, 1149), (283, 1152), (291, 1188), (310, 1230), (315, 1236), (336, 1296), (388, 1365), (430, 1434), (433, 1446), (438, 1467), (447, 1491), (451, 1509), (464, 1533), (466, 1536), (490, 1572), (495, 1581), (544, 1656), (562, 1683), (604, 1746), (606, 1749), (617, 1776), (651, 1836), (709, 1917), (751, 2004), (800, 2058), (821, 2088), (855, 2145), (979, 2298), (989, 2316), (1052, 2397), (1054, 2400),

Gene: P9.1_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for P9.1_2:

(Start: 153 @373 has 41 MA's), (176, 397), (184, 412), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (413, 847), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (551, 1129), (567, 1150), (616, 1222), (658, 1288), (683, 1321), (718, 1393), (737, 1435), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (863, 1600), (872, 1615), (875, 1621), (909, 1663), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1027, 1828), (1058, 1870), (1063, 1876),

Gene: PA6_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PA6_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: PAD20_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PAD20_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (991, 1791), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: PAS50_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PAS50_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (730, 1428), (755, 1467), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: PCoral7_2 Start: 378, Stop: 1928, Start Num: 147

Candidate Starts for PCoral7_2:

(118, 348), (Start: 122 @354 has 3 MA's), (Start: 128 @360 has 39 MA's), (Start: 131 @363 has 13 MA's), (Start: 147 @378 has 5 MA's), (Start: 195 @441 has 1 MA's), (210, 477), (217, 492), (225, 504), (238, 519), (257, 552), (272, 573), (282, 594), (291, 633), (299, 657), (315, 693), (333, 741), (360, 783), (367, 795), (432, 900), (477, 1020), (488, 1035), (544, 1113), (560, 1146), (569, 1164), (676, 1320), (705, 1359), (730, 1431), (760, 1479), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (853, 1614), (904, 1701), (936, 1743), (971, 1794), (1067, 1911), (1070, 1917),

Gene: PFR1_02 Start: 407, Stop: 1978, Start Num: 140

Candidate Starts for PFR1_02:

(140, 407), (Start: 148 @416 has 6 MA's), (243, 572), (282, 608), (285, 617), (299, 671), (310, 695), (332, 734), (412, 854), (416, 863), (430, 905), (431, 911), (432, 914), (452, 986), (475, 1037), (476, 1040), (483, 1052), (488, 1058), (490, 1061), (508, 1094), (527, 1136), (535, 1160), (703, 1451), (709, 1457), (723, 1499), (735, 1523), (737, 1529), (738, 1532), (753, 1559), (790, 1601), (796, 1610), (797, 1613), (855, 1667), (872, 1694), (888, 1730), (928, 1763), (967, 1808), (1017, 1880), (1047, 1910), (1083, 1964),

Gene: PFR2_02 Start: 407, Stop: 1978, Start Num: 140

Candidate Starts for PFR2_02:

(140, 407), (Start: 148 @416 has 6 MA's), (243, 572), (282, 608), (285, 617), (299, 671), (310, 695), (332, 734), (412, 854), (416, 863), (430, 905), (431, 911), (432, 914), (452, 986), (475, 1037), (476, 1040), (483, 1052), (488, 1058), (490, 1061), (508, 1094), (527, 1136), (535, 1160), (703, 1451), (709, 1457), (723, 1499), (735, 1523), (737, 1529), (738, 1532), (753, 1559), (790, 1601), (796, 1610), (797, 1613), (855, 1667), (872, 1694), (888, 1730), (928, 1763), (967, 1808), (1017, 1880), (1047, 1910), (1083, 1964),

Gene: PHL010M04_02 Start: 377, Stop: 1888, Start Num: 153

Candidate Starts for PHL010M04_02:

(Start: 153 @377 has 41 MA's), (Start: 160 @386 has 23 MA's), (184, 416), (194, 434), (217, 479), (Start: 234 @506 has 4 MA's), (Start: 236 @509 has 15 MA's), (271, 545), (278, 557), (283, 566), (285,

572), (291, 602), (294, 611), (296, 617), (315, 650), (323, 668), (331, 692), (350, 737), (353, 746), (355, 749), (381, 788), (383, 791), (419, 860), (432, 905), (433, 908), (438, 929), (445, 944), (447, 953), (449, 965), (466, 1004), (479, 1025), (490, 1040), (492, 1043), (499, 1052), (551, 1133), (609, 1205), (616, 1226), (653, 1286), (658, 1292), (687, 1334), (704, 1355), (718, 1397), (747, 1451), (793, 1502), (811, 1529), (826, 1550), (841, 1568), (849, 1583), (859, 1598), (863, 1604), (900, 1655), (938, 1703), (940, 1706), (946, 1718), (997, 1796), (1004, 1805), (1021, 1826), (1027, 1832), (1058, 1874), (1063, 1880),

Gene: PHL037M02_02 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PHL037M02_02:

(Start: 153 @378 has 41 MA's), (176, 402), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (218, 483), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (508, 1068), (567, 1155), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (755, 1467), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (862, 1602), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (997, 1797), (1004, 1806), (1058, 1875), (1063, 1881),

Gene: PHL060L00_02 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for PHL060L00_02:

(150, 370), (Start: 153 @373 has 41 MA's), (Start: 163 @385 has 17 MA's), (184, 412), (194, 430), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (490, 1036), (492, 1039), (493, 1042), (508, 1063), (551, 1129), (589, 1174), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (691, 1336), (737, 1435), (760, 1471), (769, 1480), (789, 1492), (793, 1498), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (859, 1594), (863, 1600), (872, 1615), (875, 1621), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1027, 1828), (1058, 1870), (1063, 1876),

Gene: PHL067M10_02 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PHL067M10_02:

(Start: 153 @378 has 41 MA's), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (413, 852), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (508, 1068), (551, 1134), (589, 1179), (609, 1206), (616, 1227), (658, 1293), (683, 1326), (718, 1398), (730, 1428), (737, 1440), (760, 1476), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (909, 1668), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: PHL071N05_02 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for PHL071N05_02:

(Start: 153 @373 has 41 MA's), (176, 397), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (413, 847), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (508, 1063), (551, 1129), (616, 1222), (658, 1288), (683, 1321), (704, 1351), (718, 1393), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (862, 1597), (872, 1615), (875, 1621), (911, 1666), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1013, 1816), (1058, 1870), (1063, 1876),

Gene: PHL111M01_02 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PHL111M01_02:

(Start: 153 @378 has 41 MA's), (Start: 163 @390 has 17 MA's), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (490, 1041), (492, 1044), (493, 1047), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (704, 1356), (718, 1398), (730, 1428), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (875, 1626), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1034, 1842), (1058, 1875), (1063, 1881),

Gene: PHL112N00_02 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PHL112N00_02:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (262, 528), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (508, 1068), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (683, 1326), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (875, 1626), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1013, 1821), (1058, 1875), (1063, 1881),

Gene: PHL113M01_02 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for PHL113M01_02:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (490, 1041), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (567, 1155), (589, 1179), (616, 1227), (658, 1293), (683, 1326), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (793, 1503), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (863, 1605), (872, 1620), (875, 1626), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1034, 1842), (1058, 1875), (1063, 1881),

Gene: PHL114L00_02 Start: 386, Stop: 1897, Start Num: 153

Candidate Starts for PHL114L00_02:

(Start: 153 @386 has 41 MA's), (194, 443), (217, 488), (Start: 234 @515 has 4 MA's), (Start: 236 @518 has 15 MA's), (278, 566), (283, 575), (285, 581), (291, 611), (294, 620), (296, 626), (315, 659), (323, 677), (331, 701), (333, 707), (353, 755), (355, 758), (381, 797), (383, 800), (419, 869), (432, 914), (433, 917), (438, 938), (445, 953), (447, 962), (479, 1034), (490, 1049), (492, 1052), (493, 1055), (567, 1163), (609, 1214), (616, 1235), (658, 1301), (704, 1364), (718, 1406), (737, 1448), (760, 1484), (789, 1505), (793, 1511), (811, 1538), (826, 1559), (829, 1562), (831, 1565), (841, 1577), (859, 1607), (862, 1610), (872, 1628), (875, 1634), (900, 1664), (911, 1679), (938, 1712), (940, 1715), (946, 1727), (997, 1805), (1004, 1814), (1008, 1820), (1013, 1829), (1029, 1844), (1058, 1883), (1063, 1889),

Gene: PYPDinur_4 Start: 771, Stop: 2333, Start Num: 74

Candidate Starts for PYPDinur_4:

(Start: 74 @771 has 76 MA's), (Start: 78 @777 has 19 MA's), (199, 927), (Start: 234 @993 has 4 MA's), (266, 1023), (281, 1047), (286, 1062), (296, 1104), (360, 1230), (433, 1368), (438, 1389), (447, 1413), (488, 1488), (515, 1536), (566, 1614), (576, 1635), (591, 1659), (595, 1665), (614, 1695), (616,

1701), (637, 1737), (709, 1827), (755, 1932), (760, 1941), (787, 1965), (801, 1986), (846, 2052), (913, 2154), (1017, 2274), (1021, 2280), (1040, 2301), (1055, 2325),

Gene: Pace1224_2 Start: 359, Stop: 1903, Start Num: 77

Candidate Starts for Pace1224_2:

(Start: 77 @359 has 24 MA's), (282, 632), (295, 683), (315, 719), (336, 779), (346, 800), (433, 932), (445, 968), (449, 989), (464, 1019), (490, 1058), (495, 1067), (609, 1220), (652, 1298), (694, 1364), (709, 1391), (760, 1490), (843, 1604), (855, 1628), (870, 1649), (919, 1700), (932, 1715), (993, 1808), (1052, 1892), (1056, 1898),

Gene: Padfoot_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Padfoot_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Padpat_8 Start: 1593, Stop: 3017, Start Num: 167

Candidate Starts for Padpat_8:

(88, 1521), (Start: 156 @1581 has 11 MA's), (Start: 167 @1593 has 168 MA's), (Start: 229 @1704 has 18 MA's), (233, 1710), (279, 1788), (283, 1797), (295, 1845), (302, 1863), (333, 1932), (361, 1974), (367, 1980), (387, 2007), (388, 2010), (445, 2127), (447, 2136), (490, 2217), (579, 2331), (609, 2379), (613, 2391), (631, 2421), (644, 2445), (651, 2457), (707, 2535), (709, 2541), (800, 2688), (823, 2721), (855, 2775), (993, 2952), (1052, 3006),

Gene: Paito_2 Start: 555, Stop: 1928, Start Num: 215

Candidate Starts for Paito_2:

(Start: 77 @354 has 24 MA's), (Start: 197 @516 has 1 MA's), (Start: 215 @555 has 1 MA's), (282, 666), (295, 717), (315, 753), (336, 813), (346, 834), (433, 978), (445, 1014), (449, 1035), (464, 1065), (490, 1104), (495, 1113), (609, 1266), (641, 1326), (694, 1395), (709, 1422), (715, 1437), (760, 1521), (821, 1602), (838, 1629), (843, 1635), (846, 1641), (855, 1659), (870, 1680), (915, 1725), (932, 1746), (993, 1839), (1054, 1920),

Gene: Panchino_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Panchino_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (232, 635), (Start: 234 @638 has 4 MA's), (274, 686), (288, 722), (291, 737), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: PantheRoc_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for PantheRoc_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (528, 1071), (569, 1137), (589, 1179), (646, 1257), (663, 1281), (676, 1293), (689, 1314), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (1020, 1827), (1046, 1857),

Gene: PaoPu_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for PaoPu_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Paola_6 Start: 1326, Stop: 2753, Start Num: 175

Candidate Starts for Paola_6:

(Start: 79 @1233 has 76 MA's), (Start: 175 @1326 has 25 MA's), (204, 1383), (Start: 215 @1404 has 1 MA's), (Start: 229 @1428 has 18 MA's), (279, 1512), (283, 1521), (285, 1527), (295, 1569), (302, 1587), (315, 1605), (333, 1656), (387, 1731), (431, 1809), (445, 1851), (447, 1860), (448, 1863), (490, 1941), (579, 2055), (609, 2103), (631, 2145), (644, 2169), (651, 2181), (671, 2208), (705, 2253), (709, 2265), (794, 2412), (821, 2451), (855, 2508), (872, 2532), (890, 2556), (919, 2580), (989, 2679), (993, 2685), (1052, 2742),

Gene: Parada_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Parada_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Parmesanjohn_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Parmesanjohn_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: PartyCup_5 Start: 3104, Stop: 4672, Start Num: 79

Candidate Starts for PartyCup_5:

(Start: 79 @3104 has 76 MA's), (217, 3290), (281, 3371), (285, 3383), (291, 3413), (296, 3428), (310, 3461), (374, 3563), (416, 3644), (432, 3692), (450, 3758), (471, 3806), (475, 3815), (520, 3890), (533, 3917), (551, 3947), (707, 4166), (735, 4238), (753, 4274), (829, 4370), (883, 4436), (928, 4466), (933, 4472), (987, 4538), (1080, 4658),

Gene: PastaFagioli_3 Start: 769, Stop: 2394, Start Num: 137

Candidate Starts for PastaFagioli_3:

(Start: 137 @769 has 81 MA's), (240, 925), (299, 1033), (343, 1117), (375, 1162), (433, 1267), (450, 1330), (456, 1351), (488, 1408), (662, 1744), (738, 1876), (814, 1978), (987, 2227), (1021, 2275), (1080, 2344),

Gene: PatriciaStar_2 Start: 584, Stop: 2191, Start Num: 131

Candidate Starts for PatriciaStar_2:

(Start: 131 @584 has 13 MA's), (255, 767), (315, 902), (333, 950), (383, 1022), (388, 1034), (432, 1112), (450, 1175), (468, 1217), (488, 1247), (528, 1310), (541, 1352), (544, 1361), (569, 1412), (585, 1445), (602, 1463), (630, 1508), (651, 1541), (676, 1568), (715, 1646), (743, 1709), (758, 1733), (782, 1757), (826, 1823), (844, 1850), (846, 1853), (853, 1871), (966, 2042),

Gene: Patt_9 Start: 2502, Stop: 3842, Start Num: 229

Candidate Starts for Patt_9:

(Start: 167 @2397 has 168 MA's), (Start: 229 @2502 has 18 MA's), (279, 2586), (283, 2595), (291, 2631), (295, 2643), (315, 2685), (333, 2736), (340, 2754), (367, 2784), (431, 2889), (445, 2931), (447, 2940), (448, 2943), (490, 3021), (495, 3030), (579, 3135), (606, 3177), (609, 3183), (631, 3225), (709, 3342), (725, 3384), (741, 3429), (797, 3498), (829, 3543), (843, 3564), (855, 3588), (932, 3672), (993, 3765), (1052, 3831), (1056, 3837),

Gene: Pauu_3 Start: 437, Stop: 1996, Start Num: 74

Candidate Starts for Pauu_3:

(Start: 57 @419 has 1 MA's), (Start: 74 @437 has 76 MA's), (Start: 162 @533 has 1 MA's), (165, 536), (187, 563), (219, 644), (226, 653), (241, 680), (278, 734), (283, 740), (294, 785), (331, 860), (332, 863), (334, 869), (336, 875), (337, 878), (349, 896), (374, 929), (431, 1031), (453, 1106), (463, 1130), (527, 1220), (529, 1223), (546, 1250), (549, 1253), (561, 1277), (565, 1286), (604, 1337), (614, 1358), (632, 1394), (651, 1430), (670, 1454), (709, 1505), (714, 1520), (718, 1532), (738, 1577), (746, 1589), (830, 1730), (862, 1781), (865, 1787), (976, 1934), (981, 1943), (987, 1952),

Gene: Peanam_8 Start: 1660, Stop: 3090, Start Num: 167

Candidate Starts for Peanam_8:

(Start: 108 @1618 has 144 MA's), (Start: 156 @1648 has 11 MA's), (Start: 167 @1660 has 168 MA's), (Start: 215 @1750 has 1 MA's), (Start: 229 @1774 has 18 MA's), (233, 1780), (254, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (333, 2002), (367, 2050), (445, 2197), (447, 2206), (539, 2335), (579, 2401), (606, 2443), (609, 2449), (613, 2461), (631, 2491), (644, 2515), (661, 2542), (709, 2611), (726, 2653), (741, 2683), (755, 2707), (800, 2755), (843, 2818), (855, 2842), (890, 2893), (935, 2932), (993, 3022), (1029, 3061), (1052, 3079), (1056, 3085),

Gene: PeanutPie_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for PeanutPie_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (558, 1304), (569, 1325), (660, 1466), (676, 1478), (707, 1523), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: Pecas_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for Pecas_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (374, 1066), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Peeb_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Peeb_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (540, 1118), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (718, 1409), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Peel_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Peel_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: PegLeg_14 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for PegLeg_14:

(Start: 98 @4718 has 36 MA's), (141, 4766), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: Pelletreau_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Pelletreau_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (Start: 221 @1072 has 1 MA's), (Start: 236 @1093 has 15 MA's), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (455, 1525), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Penoan_4 Start: 1350, Stop: 2837, Start Num: 109

Candidate Starts for Penoan_4:

(4, 1002), (19, 1176), (38, 1251), (46, 1260), (Start: 97 @1335 has 3 MA's), (109, 1350), (Start: 221 @1503 has 1 MA's), (232, 1518), (Start: 236 @1524 has 15 MA's), (291, 1623), (294, 1632), (337, 1725), (370, 1767), (433, 1881), (434, 1884), (448, 1929), (564, 2109), (609, 2181), (629, 2229), (648, 2262), (693, 2325), (694, 2328), (741, 2427), (760, 2460), (775, 2472), (794, 2493), (860, 2568), (922, 2640), (995, 2727), (1038, 2781),

Gene: PensacolaC28_1 Start: 37, Stop: 1611, Start Num: 179

Candidate Starts for PensacolaC28_1:

(149, 4), (Start: 179 @37 has 5 MA's), (200, 91), (226, 142), (Start: 236 @151 has 15 MA's), (258, 193), (267, 211), (271, 220), (284, 253), (285, 256), (343, 400), (369, 439), (374, 445), (408, 493), (432, 550), (444, 586), (500, 706), (604, 877), (702, 1042), (734, 1117), (764, 1168), (873, 1348), (918, 1408), (1039, 1576),

Gene: Peridot_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Peridot_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Periodt_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Periodt_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Periwinkle_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Periwinkle_3:

(124, 664), (Start: 154 @673 has 85 MA's), (Start: 215 @775 has 1 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (235, 808), (256, 847), (262, 853), (277, 886), (291, 934), (292, 937), (295, 946), (314,

979), (315, 982), (330, 1024), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (448, 1249), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (487, 1324), (491, 1330), (540, 1399), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (691, 1657), (707, 1681), (743, 1759), (760, 1786), (769, 1795), (868, 1933), (873, 1945), (890, 1963), (962, 2041), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113), (1072, 2182),

Gene: Petra_2 Start: 334, Stop: 1959, Start Num: 102

Candidate Starts for Petra_2:

(Start: 102 @334 has 55 MA's), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (450, 961), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (1078, 1942),

Gene: Phabuloso_3 Start: 671, Stop: 2188, Start Num: 154

Candidate Starts for Phabuloso_3:

(124, 662), (Start: 154 @671 has 85 MA's), (222, 788), (Start: 229 @797 has 18 MA's), (235, 806), (262, 851), (270, 869), (277, 884), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (340, 1049), (356, 1070), (368, 1088), (371, 1091), (373, 1094), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (449, 1256), (451, 1262), (460, 1277), (466, 1289), (491, 1328), (544, 1409), (564, 1451), (610, 1532), (613, 1541), (628, 1568), (671, 1634), (691, 1655), (743, 1757), (760, 1784), (868, 1931), (873, 1943), (890, 1961), (962, 2039), (964, 2042), (966, 2045), (993, 2087), (1004, 2099), (1012, 2111),

Gene: Phalm_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Phalm_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: PhancyPhin_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for PhancyPhin_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Pharb_7 Start: 1288, Stop: 2712, Start Num: 167

Candidate Starts for Pharb_7:

(Start: 93 @1225 has 5 MA's), (100, 1237), (Start: 156 @1276 has 11 MA's), (Start: 167 @1288 has 168 MA's), (Start: 196 @1333 has 6 MA's), (Start: 215 @1375 has 1 MA's), (Start: 229 @1399 has 18 MA's), (279, 1483), (283, 1492), (294, 1537), (295, 1540), (302, 1558), (333, 1627), (361, 1669), (367, 1675), (387, 1702), (431, 1780), (445, 1822), (447, 1831), (490, 1912), (501, 1930), (579, 2026), (609, 2074), (613, 2086), (631, 2116), (644, 2140), (651, 2152), (661, 2167), (709, 2236), (726, 2278), (728, 2290), (797, 2377), (800, 2380), (829, 2422), (838, 2437), (843, 2443), (853, 2464), (855, 2467), (993, 2644),

Gene: Phayonce_2 Start: 401, Stop: 2080, Start Num: 51

Candidate Starts for Phayonce_2:

(9, 191), (12, 239), (Start: 51 @401 has 50 MA's), (180, 563), (202, 608), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (334, 881), (336, 887), (341, 899), (404, 989), (476, 1178), (495, 1208), (558, 1304), (660, 1466), (676, 1478), (707, 1523), (717, 1553), (758, 1634), (800, 1685), (846, 1754), (853, 1772), (904, 1856), (906, 1859), (914, 1871), (1067, 2063),

Gene: Phegasus_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Phegasus_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: PhelpsODU_7 Start: 1549, Stop: 2976, Start Num: 167

Candidate Starts for PhelpsODU_7:

(Start: 167 @1549 has 168 MA's), (Start: 215 @1639 has 1 MA's), (Start: 229 @1663 has 18 MA's), (233, 1669), (279, 1747), (283, 1756), (295, 1804), (302, 1822), (333, 1891), (359, 1930), (367, 1939), (387, 1966), (431, 2044), (445, 2086), (447, 2095), (490, 2176), (539, 2224), (579, 2290), (606, 2332), (609, 2338), (613, 2350), (617, 2356), (631, 2380), (648, 2410), (661, 2431), (709, 2500), (726, 2542), (794, 2635), (823, 2677), (843, 2707), (855, 2731), (890, 2779), (993, 2908), (1052, 2965), (1056, 2971),

Gene: PhigPhack_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for PhigPhack_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (343, 1037), (362, 1061), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

Gene: Philonius_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Philonius_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Phineas_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Phineas_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (558, 1304), (569, 1325), (676, 1478), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: PhirstandPhine_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for PhirstandPhine_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (455, 1484), (476, 1526), (483, 1538), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (797, 2096), (814, 2117), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: Phisb_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for Phishb_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (885, 2015), (987, 2138), (1021, 2186), (1092, 2294),

Gene: Phish_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Phish_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Phistory_3 Start: 672, Stop: 2189, Start Num: 154

Candidate Starts for Phistory_3:

(124, 663), (Start: 154 @672 has 85 MA's), (222, 789), (Start: 229 @798 has 18 MA's), (262, 852), (277, 885), (292, 936), (295, 945), (315, 981), (330, 1023), (337, 1044), (344, 1056), (356, 1071), (368, 1089), (371, 1092), (373, 1095), (387, 1116), (415, 1143), (433, 1200), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (482, 1317), (491, 1329), (544, 1410), (579, 1482), (592, 1506), (610, 1533), (613, 1542), (628, 1569), (648, 1602), (691, 1656), (737, 1746), (743, 1758), (760, 1785), (868, 1932), (873, 1944), (890, 1962), (962, 2040), (966, 2046), (993, 2088), (1004, 2100), (1012, 2112),

Gene: Phloodle_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Phloodle_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Phloss_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Phloss_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: PhluffyCoco_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for PhluffyCoco_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: PhorbesPhlower_2 Start: 375, Stop: 1757, Start Num: 196

Candidate Starts for PhorbesPhlower_2:

(Start: 120 @312 has 2 MA's), (Start: 196 @375 has 6 MA's), (256, 486), (315, 615), (336, 675), (367, 714), (426, 804), (438, 846), (447, 870), (453, 894), (460, 903), (464, 912), (466, 915), (562, 1041), (631, 1158), (691, 1239), (707, 1266), (709, 1272), (741, 1341), (779, 1383), (797, 1410), (808, 1425), (830, 1455), (838, 1470), (843, 1476), (855, 1500), (919, 1575), (935, 1590), (989, 1674), (993, 1680),

(999, 1686), (1004, 1692), (1006, 1695),

Gene: Phrank_7 Start: 1515, Stop: 2942, Start Num: 167

Candidate Starts for Phrank_7:

(Start: 167 @1515 has 168 MA's), (Start: 215 @1605 has 1 MA's), (Start: 229 @1629 has 18 MA's), (233, 1635), (279, 1713), (283, 1722), (295, 1770), (302, 1788), (333, 1857), (359, 1896), (367, 1905), (387, 1932), (431, 2010), (445, 2052), (447, 2061), (490, 2142), (539, 2190), (579, 2256), (606, 2298), (609, 2304), (613, 2316), (617, 2322), (631, 2346), (644, 2370), (648, 2376), (661, 2397), (709, 2466), (726, 2508), (794, 2601), (797, 2607), (800, 2610), (823, 2643), (843, 2673), (855, 2697), (890, 2745), (993, 2874), (1052, 2931), (1056, 2937),

Gene: Phrann_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Phrann_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (232, 635), (Start: 234 @638 has 4 MA's), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Phreak_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Phreak_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: PhriskyACE_2 Start: 318, Stop: 1877, Start Num: 102

Candidate Starts for PhriskyACE_2:

(Start: 61 @258 has 1 MA's), (Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (346, 744), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (709, 1344), (716, 1365), (735, 1410), (757, 1446), (758, 1449), (796, 1491), (800, 1497), (823, 1530), (876, 1620), (881, 1632), (906, 1671), (1064, 1860),

Gene: PhrostedPhlake_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for PhrostedPhlake_2:

(49, 255), (Start: 102 @333 has 55 MA's), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: Piatt_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Piatt_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Picconator_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Picconator_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Pickett_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Pickett_2:

(Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Picnic_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Picnic_3:

(Start: 108 @1074 has 144 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Pigu_3 Start: 644, Stop: 1759, Start Num: 323

Candidate Starts for Pigu_3:

(46, 179), (58, 197), (Start: 114 @275 has 2 MA's), (Start: 156 @317 has 11 MA's), (Start: 215 @419 has 1 MA's), (252, 482), (281, 533), (282, 536), (316, 626), (323, 644), (367, 722), (387, 749), (433, 833), (447, 878), (511, 986), (604, 1112), (609, 1121), (648, 1193), (707, 1268), (709, 1274), (737, 1337), (757, 1373), (843, 1484), (855, 1508), (901, 1565), (999, 1685), (1052, 1748),

Gene: Piku_1 Start: 175, Stop: 1761, Start Num: 195

Candidate Starts for Piku_1:

(64, 22), (Start: 113 @76 has 11 MA's), (Start: 195 @175 has 1 MA's), (219, 229), (231, 244), (246, 274), (249, 277), (261, 304), (294, 391), (334, 475), (336, 481), (343, 490), (374, 535), (453, 712), (486, 775), (546, 856), (588, 928), (604, 946), (627, 997), (737, 1183), (738, 1186), (802, 1300), (807, 1306), (835, 1348), (838, 1354), (858, 1384), (896, 1456), (951, 1510), (981, 1552), (1081, 1711),

Gene: Pimento_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for Pimento_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 125 @1816 has 6 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (518, 2536), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Pineda_4 Start: 1013, Stop: 2494, Start Num: 212

Candidate Starts for Pineda_4:

(Start: 85 @848 has 13 MA's), (Start: 212 @1013 has 10 MA's), (Start: 236 @1052 has 15 MA's), (281, 1103), (285, 1115), (293, 1151), (299, 1169), (416, 1352), (450, 1466), (454, 1478), (476, 1526), (490, 1547), (500, 1562), (527, 1619), (702, 1934), (731, 2000), (737, 2012), (755, 2045), (790, 2084), (796, 2093), (797, 2096), (844, 2162), (863, 2192), (884, 2237), (920, 2279), (947, 2306), (949, 2309), (1017, 2402), (1021, 2408), (1041, 2429), (1053, 2441), (1080, 2480), (1082, 2483),

Gene: PinkFriday_2 Start: 599, Stop: 1993, Start Num: 211

Candidate Starts for PinkFriday_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (416, 965), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (586, 1316), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (790, 1637), (794, 1643), (987, 1859), (1053, 1940), (1080, 1979),

Gene: PinkYoshi_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for PinkYoshi_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Pinnie_3 Start: 905, Stop: 2404, Start Num: 156

Candidate Starts for Pinnie_3:

(66, 803), (Start: 77 @818 has 24 MA's), (Start: 156 @905 has 11 MA's), (Start: 178 @929 has 43 MA's), (204, 986), (315, 1205), (336, 1265), (433, 1430), (445, 1466), (449, 1487), (461, 1511), (464, 1517), (495, 1565), (609, 1718), (651, 1793), (709, 1892), (718, 1916), (800, 2042), (831, 2087), (870, 2150), (919, 2201), (932, 2216), (993, 2309), (1012, 2333), (1024, 2351), (1054, 2396),

Gene: Piper2020_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for Piper2020_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: Pipp_2 Start: 359, Stop: 1927, Start Num: 128

Candidate Starts for Pipp_2:

(49, 254), (56, 263), (Start: 128 @359 has 39 MA's), (210, 476), (238, 518), (247, 536), (257, 551), (272, 572), (282, 593), (289, 626), (291, 632), (315, 692), (329, 728), (333, 740), (362, 785), (367, 794), (388, 821), (432, 899), (468, 1004), (477, 1019), (488, 1034), (544, 1112), (569, 1163), (676, 1319), (705, 1358), (707, 1364), (730, 1430), (737, 1442), (769, 1487), (772, 1490), (779, 1496), (794, 1517), (800, 1526), (801, 1529), (823, 1559), (847, 1598), (878, 1658), (904, 1700), (936, 1742), (945, 1757), (959, 1778), (971, 1793), (1050, 1889), (1058, 1901), (1067, 1910),

Gene: Pipsqueaks_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Pipsqueaks_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Pirate_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for Pirate_2:

(Start: 153 @373 has 41 MA's), (176, 397), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (294,

607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (466, 1000), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (508, 1063), (589, 1174), (616, 1222), (658, 1288), (683, 1321), (704, 1351), (718, 1393), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (862, 1597), (872, 1615), (875, 1621), (911, 1666), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1013, 1816), (1058, 1870), (1063, 1876),

Gene: Pisa1_7 Start: 1362, Stop: 2783, Start Num: 167

Candidate Starts for Pisa1_7:

(88, 1290), (Start: 156 @1350 has 11 MA's), (Start: 167 @1362 has 168 MA's), (Start: 229 @1473 has 18 MA's), (233, 1479), (279, 1557), (283, 1566), (295, 1614), (302, 1632), (333, 1701), (361, 1743), (367, 1749), (387, 1776), (388, 1779), (445, 1896), (447, 1905), (490, 1986), (579, 2100), (609, 2148), (613, 2160), (631, 2190), (644, 2214), (651, 2226), (709, 2310), (800, 2454), (823, 2487), (855, 2541), (993, 2718), (1052, 2772),

Gene: Pisa4_7 Start: 1362, Stop: 2783, Start Num: 167

Candidate Starts for Pisa4_7:

(88, 1290), (Start: 156 @1350 has 11 MA's), (Start: 167 @1362 has 168 MA's), (Start: 229 @1473 has 18 MA's), (233, 1479), (279, 1557), (283, 1566), (295, 1614), (302, 1632), (333, 1701), (361, 1743), (367, 1749), (387, 1776), (388, 1779), (445, 1896), (447, 1905), (490, 1986), (579, 2100), (609, 2148), (613, 2160), (631, 2190), (644, 2214), (651, 2226), (709, 2310), (800, 2454), (823, 2487), (855, 2541), (993, 2718), (1052, 2772),

Gene: PitaDog_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for PitaDog_2:

(Start: 79 @426 has 76 MA's), (187, 549), (219, 615), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Pitbull_2 Start: 374, Stop: 1795, Start Num: 196

Candidate Starts for Pitbull_2:

(Start: 102 @278 has 55 MA's), (Start: 111 @287 has 6 MA's), (Start: 156 @317 has 11 MA's), (Start: 196 @374 has 6 MA's), (Start: 197 @377 has 1 MA's), (204, 395), (Start: 229 @437 has 18 MA's), (282, 533), (283, 536), (293, 578), (298, 593), (300, 599), (316, 623), (328, 656), (333, 671), (336, 680), (415, 773), (447, 875), (448, 878), (461, 920), (466, 929), (542, 1022), (604, 1118), (609, 1127), (613, 1139), (672, 1232), (690, 1250), (718, 1310), (737, 1349), (740, 1355), (807, 1436), (818, 1448), (855, 1505), (858, 1508), (877, 1538), (899, 1571), (908, 1586), (910, 1589), (926, 1610), (937, 1622), (943, 1628), (1018, 1745), (1028, 1757), (1047, 1784), (1049, 1787),

Gene: Pixie_7 Start: 1239, Stop: 2663, Start Num: 167

Candidate Starts for Pixie_7:

(Start: 156 @1227 has 11 MA's), (Start: 167 @1239 has 168 MA's), (Start: 215 @1326 has 1 MA's), (Start: 229 @1350 has 18 MA's), (279, 1434), (283, 1443), (302, 1509), (315, 1527), (333, 1578), (361, 1620), (367, 1626), (387, 1653), (431, 1731), (445, 1773), (447, 1782), (490, 1863), (501, 1881), (579, 1977), (609, 2025), (613, 2037), (631, 2067), (644, 2091), (651, 2103), (709, 2187), (726, 2229), (728, 2241), (797, 2328), (800, 2331), (829, 2373), (838, 2388), (843, 2394), (853, 2415), (855, 2418), (993, 2595), (1056, 2658),

Gene: Plagueis_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Plagueis_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Plumbus_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Plumbus_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (275, 881), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (315, 980), (316, 983), (330, 1022), (337, 1043), (356, 1070), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102),

Gene: PoRanda_3 Start: 1104, Stop: 2564, Start Num: 108

Candidate Starts for PoRanda_3:

(Start: 108 @1104 has 144 MA's), (Start: 114 @1110 has 2 MA's), (Start: 236 @1272 has 15 MA's), (240, 1281), (282, 1341), (303, 1410), (319, 1431), (332, 1467), (337, 1482), (449, 1686), (550, 1821), (590, 1899), (601, 1914), (610, 1932), (619, 1950), (642, 1992), (664, 2025), (679, 2043), (737, 2163), (738, 2166), (746, 2178), (751, 2190), (803, 2253), (858, 2310), (862, 2316), (867, 2325), (872, 2334), (873, 2337), (1010, 2499), (1015, 2508), (1021, 2517), (1053, 2556),

Gene: Pokerus_7 Start: 1547, Stop: 2968, Start Num: 167

Candidate Starts for Pokerus_7:

(88, 1475), (Start: 156 @1535 has 11 MA's), (Start: 167 @1547 has 168 MA's), (Start: 229 @1658 has 18 MA's), (233, 1664), (279, 1742), (283, 1751), (295, 1799), (302, 1817), (333, 1886), (361, 1928), (367, 1934), (387, 1961), (388, 1964), (445, 2081), (447, 2090), (490, 2171), (579, 2285), (609, 2333), (613, 2345), (631, 2375), (644, 2399), (651, 2411), (707, 2489), (709, 2495), (800, 2639), (823, 2672), (855, 2726), (993, 2903), (1052, 2957),

Gene: Polka_3 Start: 684, Stop: 2330, Start Num: 85

Candidate Starts for Polka_3:

(Start: 85 @684 has 13 MA's), (Start: 212 @849 has 10 MA's), (Start: 236 @888 has 15 MA's), (281, 939), (285, 951), (293, 987), (299, 1005), (416, 1188), (450, 1302), (454, 1314), (476, 1362), (490, 1383), (500, 1398), (527, 1455), (702, 1770), (731, 1836), (755, 1881), (790, 1920), (797, 1932), (844, 1998), (863, 2028), (884, 2073), (920, 2115), (947, 2142), (949, 2145), (1017, 2238), (1021, 2244), (1041, 2265), (1053, 2277), (1080, 2316), (1082, 2319),

Gene: Polkaroo_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Polkaroo_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (660, 1478), (676, 1490), (707, 1535), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Pollywog_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Pollywog_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540,

1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: PondAmelia_5 Start: 960, Stop: 2585, Start Num: 137

Candidate Starts for PondAmelia_5:

(Start: 137 @960 has 81 MA's), (240, 1116), (285, 1170), (299, 1224), (307, 1239), (343, 1308), (375, 1353), (433, 1458), (434, 1461), (450, 1521), (455, 1539), (456, 1542), (471, 1569), (488, 1599), (564, 1761), (694, 1977), (731, 2052), (737, 2064), (987, 2418),

Gene: Pondwater_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Pondwater_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Poochiewood_4 Start: 1058, Stop: 2635, Start Num: 78

Candidate Starts for Poochiewood_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Popper_4 Start: 1461, Stop: 3161, Start Num: 116

Candidate Starts for Popper_4:

(Start: 98 @1440 has 36 MA's), (Start: 116 @1461 has 19 MA's), (Start: 212 @1605 has 10 MA's), (219, 1620), (240, 1653), (282, 1698), (283, 1701), (293, 1743), (299, 1761), (300, 1764), (310, 1785), (375, 1890), (416, 1944), (450, 2058), (490, 2139), (525, 2214), (585, 2370), (619, 2436), (625, 2451), (707, 2598), (715, 2622), (718, 2631), (728, 2661), (738, 2679), (762, 2721), (823, 2793), (862, 2835), (967, 2952), (970, 2955), (974, 2961), (1010, 3012), (1017, 3024), (1057, 3069), (1075, 3102), (1091, 3141), (1092, 3150),

Gene: Porcelain_10 Start: 3527, Stop: 5059, Start Num: 163

Candidate Starts for Porcelain_10:

(Start: 93 @3443 has 5 MA's), (126, 3485), (135, 3494), (Start: 163 @3527 has 17 MA's), (232, 3641), (268, 3704), (284, 3737), (285, 3740), (296, 3785), (330, 3860), (333, 3869), (413, 3971), (415, 3974), (426, 4010), (436, 4043), (581, 4292), (616, 4355), (630, 4382), (719, 4541), (735, 4577), (753, 4607), (758, 4616), (809, 4670), (826, 4694), (1011, 4928), (1018, 4940),

Gene: Potatoes_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Potatoes_5:

(Start: 79 @3127 has 76 MA's), (Start: 234 @3337 has 4 MA's), (281, 3391), (299, 3457), (310, 3481), (427, 3697), (432, 3712), (434, 3718), (450, 3778), (476, 3838), (533, 3937), (551, 3967), (559, 3982), (619, 4063), (665, 4141), (674, 4150), (707, 4186), (720, 4225), (735, 4258), (738, 4267), (753, 4294), (797, 4348), (829, 4390), (873, 4435), (883, 4456), (987, 4558), (1080, 4678),

Gene: Powerball_2 Start: 318, Stop: 1877, Start Num: 102

Candidate Starts for Powerball_2:

(Start: 61 @258 has 1 MA's), (Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (346, 744), (413, 816), (415, 819), (426, 855), (445,

912), (447, 921), (450, 936), (488, 1008), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (709, 1344), (716, 1365), (735, 1410), (757, 1446), (758, 1449), (796, 1491), (800, 1497), (876, 1620), (881, 1632), (906, 1671), (1064, 1860),

Gene: PrairieDogTown_3 Start: 1243, Stop: 2838, Start Num: 110

Candidate Starts for PrairieDogTown_3:

(Start: 110 @1243 has 45 MA's), (291, 1501), (299, 1525), (302, 1531), (450, 1822), (461, 1852), (490, 1903), (496, 1912), (555, 2014), (561, 2026), (627, 2149), (715, 2278), (844, 2506), (871, 2548), (1082, 2827),

Gene: Preamble_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Preamble_2:

(Start: 79 @426 has 76 MA's), (187, 549), (281, 690), (283, 696), (294, 741), (299, 756), (302, 762), (310, 780), (432, 1011), (434, 1017), (450, 1077), (533, 1236), (551, 1266), (559, 1281), (627, 1380), (665, 1440), (674, 1449), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (883, 1755), (987, 1857), (1080, 1977),

Gene: PrincePatrick_2 Start: 379, Stop: 1929, Start Num: 147

Candidate Starts for PrincePatrick_2:

(Start: 102 @334 has 55 MA's), (118, 349), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (Start: 131 @364 has 13 MA's), (Start: 147 @379 has 5 MA's), (Start: 195 @442 has 1 MA's), (210, 478), (225, 505), (238, 520), (257, 553), (272, 574), (282, 595), (291, 634), (299, 658), (315, 694), (333, 742), (360, 784), (367, 796), (432, 901), (477, 1021), (488, 1036), (544, 1114), (560, 1147), (569, 1165), (676, 1321), (691, 1342), (705, 1360), (730, 1432), (760, 1480), (779, 1498), (794, 1519), (800, 1528), (801, 1531), (823, 1561), (853, 1615), (904, 1702), (936, 1744), (971, 1795), (1067, 1912), (1070, 1918),

Gene: Prithvi_8 Start: 1562, Stop: 2983, Start Num: 167

Candidate Starts for Prithvi_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (333, 1901), (361, 1943), (367, 1949), (387, 1976), (388, 1979), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (707, 2504), (709, 2510), (800, 2654), (823, 2687), (855, 2741), (993, 2918), (1052, 2972),

Gene: Procrass1_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for Procrass1_2:

(150, 370), (Start: 153 @373 has 41 MA's), (Start: 163 @385 has 17 MA's), (176, 397), (184, 412), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (278, 553), (283, 562), (285, 568), (291, 598), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (466, 1000), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (499, 1048), (508, 1063), (551, 1129), (567, 1150), (589, 1174), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (704, 1351), (718, 1393), (760, 1471), (769, 1480), (789, 1492), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (863, 1600), (872, 1615), (875, 1621), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1008, 1807), (1034, 1837), (1058, 1870), (1063, 1876),

Gene: Prospero_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Prospero_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772),

(738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Psycho_6 Start: 1349, Stop: 2776, Start Num: 175

Candidate Starts for Psycho_6:

(Start: 175 @1349 has 25 MA's), (204, 1406), (Start: 215 @1427 has 1 MA's), (Start: 229 @1451 has 18 MA's), (279, 1535), (283, 1544), (285, 1550), (294, 1589), (295, 1592), (302, 1610), (315, 1628), (333, 1679), (359, 1718), (387, 1754), (415, 1781), (431, 1832), (445, 1874), (447, 1883), (448, 1886), (490, 1964), (579, 2078), (609, 2126), (613, 2138), (631, 2168), (651, 2204), (671, 2231), (709, 2288), (741, 2372), (755, 2396), (821, 2474), (855, 2531), (872, 2555), (890, 2579), (993, 2708), (1052, 2765),

Gene: Pterodactyl_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Pterodactyl_2:

(Start: 79 @426 has 76 MA's), (187, 549), (214, 603), (281, 690), (291, 732), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: Publix_3 Start: 1095, Stop: 2555, Start Num: 108

Candidate Starts for Publix_3:

(Start: 108 @1095 has 144 MA's), (Start: 114 @1101 has 2 MA's), (Start: 236 @1263 has 15 MA's), (240, 1272), (282, 1332), (303, 1401), (319, 1422), (337, 1473), (449, 1677), (550, 1812), (601, 1905), (610, 1923), (619, 1941), (642, 1983), (664, 2016), (679, 2034), (737, 2154), (738, 2157), (746, 2169), (751, 2181), (760, 2193), (803, 2244), (858, 2301), (862, 2307), (867, 2316), (872, 2325), (873, 2328), (1010, 2490), (1015, 2499), (1021, 2508), (1053, 2547),

Gene: Puddles3_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Puddles3_3:

(Start: 108 @1074 has 144 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: PuffyCat_3 Start: 1104, Stop: 2564, Start Num: 108

Candidate Starts for PuffyCat_3:

(Start: 108 @1104 has 144 MA's), (Start: 114 @1110 has 2 MA's), (Start: 236 @1272 has 15 MA's), (240, 1281), (282, 1341), (303, 1410), (319, 1431), (337, 1482), (449, 1686), (550, 1821), (590, 1899), (601, 1914), (610, 1932), (619, 1950), (642, 1992), (664, 2025), (679, 2043), (737, 2163), (738, 2166), (746, 2178), (751, 2190), (760, 2202), (803, 2253), (858, 2310), (862, 2316), (867, 2325), (872, 2334), (873, 2337), (1010, 2499), (1015, 2508), (1021, 2517), (1053, 2556),

Gene: Pumancara_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Pumancara_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (299, 758), (310, 782), (337, 836), (406, 947), (416, 965), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (784, 1634), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: Puppies_2 Start: 482, Stop: 2065, Start Num: 117

Candidate Starts for Puppies_2:

(2, 53), (3, 59), (7, 158), (Start: 117 @482 has 7 MA's), (240, 656), (281, 698), (291, 740), (330, 824), (367, 884), (414, 947), (418, 953), (432, 998), (455, 1082), (475, 1121), (545, 1190), (578, 1253), (611, 1307), (636, 1355), (668, 1406), (694, 1442), (716, 1487), (720, 1499), (735, 1535), (738, 1544), (748,

1562), (820, 1673), (862, 1745), (863, 1748), (873, 1766), (890, 1802), (967, 1901), (1083, 2057),

Gene: Purgamenstris_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for Purgamenstris_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Purky_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Purky_2:

(13, 248), (14, 275), (Start: 51 @401 has 50 MA's), (Start: 137 @512 has 81 MA's), (180, 563), (207, 617), (228, 656), (268, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (544, 1274), (569, 1325), (660, 1466), (676, 1478), (693, 1502), (737, 1601), (758, 1634), (794, 1676), (800, 1685), (819, 1712), (826, 1724), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: Pygmy_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Pygmy_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (569, 1325), (676, 1478), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: QMacho_4 Start: 1159, Stop: 2787, Start Num: 137

Candidate Starts for QMacho_4:

(Start: 137 @1159 has 81 MA's), (240, 1315), (299, 1423), (334, 1492), (343, 1507), (433, 1657), (434, 1660), (450, 1720), (471, 1768), (488, 1798), (731, 2254), (738, 2269), (987, 2620), (1021, 2668), (1092, 2776),

Gene: Qhanda_9 Start: 2583, Stop: 3920, Start Num: 229

Candidate Starts for Qhanda_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3909), (1056, 3915),

Gene: Quaker_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Quaker_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: Quby_4 Start: 771, Stop: 2333, Start Num: 74

Candidate Starts for Quby_4:

(Start: 74 @771 has 76 MA's), (Start: 78 @777 has 19 MA's), (199, 927), (Start: 234 @993 has 4 MA's), (266, 1023), (281, 1047), (286, 1062), (296, 1104), (360, 1230), (433, 1368), (438, 1389), (447, 1413), (488, 1488), (515, 1536), (566, 1614), (576, 1635), (591, 1659), (595, 1665), (614, 1695), (616, 1701), (637, 1737), (688, 1794), (709, 1827), (755, 1932), (760, 1941), (787, 1965), (801, 1986), (846,

2052), (913, 2154), (1017, 2274), (1021, 2280), (1040, 2301), (1055, 2325),

Gene: QueenBey_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for QueenBey_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (291, 603), (294, 612), (296, 618), (299, 627), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (428, 897), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (449, 966), (466, 1005), (479, 1026), (492, 1044), (493, 1047), (508, 1068), (551, 1134), (589, 1179), (609, 1206), (616, 1227), (653, 1287), (658, 1293), (687, 1335), (702, 1353), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (900, 1656), (911, 1671), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (997, 1797), (1004, 1806), (1008, 1812), (1027, 1833), (1058, 1875), (1063, 1881),

Gene: Quenya_4 Start: 931, Stop: 2496, Start Num: 137

Candidate Starts for Quenya_4:

(Start: 137 @931 has 81 MA's), (Start: 211 @1039 has 2 MA's), (240, 1087), (281, 1129), (299, 1195), (302, 1201), (307, 1210), (343, 1279), (365, 1306), (379, 1330), (416, 1378), (433, 1429), (450, 1492), (476, 1552), (488, 1570), (625, 1843), (715, 1981), (794, 2113), (821, 2149), (1060, 2443), (1086, 2488),

Gene: Quico_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Quico_3:

(121, 660), (Start: 154 @672 has 85 MA's), (222, 789), (Start: 229 @798 has 18 MA's), (235, 807), (275, 882), (277, 885), (281, 891), (292, 936), (293, 939), (300, 960), (314, 978), (356, 1071), (368, 1089), (371, 1092), (387, 1116), (433, 1200), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (482, 1317), (491, 1329), (542, 1404), (555, 1434), (556, 1437), (579, 1482), (610, 1533), (613, 1542), (628, 1569), (648, 1602), (681, 1647), (707, 1680), (857, 1920), (868, 1935), (871, 1941), (890, 1965), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: QuincyRose_7 Start: 1613, Stop: 3034, Start Num: 167

Candidate Starts for QuincyRose_7:

(88, 1541), (Start: 156 @1601 has 11 MA's), (Start: 167 @1613 has 168 MA's), (Start: 229 @1724 has 18 MA's), (233, 1730), (279, 1808), (283, 1817), (295, 1865), (302, 1883), (333, 1952), (361, 1994), (367, 2000), (387, 2027), (388, 2030), (445, 2147), (447, 2156), (490, 2237), (579, 2351), (609, 2399), (613, 2411), (631, 2441), (644, 2465), (651, 2477), (707, 2555), (709, 2561), (800, 2705), (823, 2738), (855, 2792), (993, 2969), (1052, 3023),

Gene: QuinnAvery_6 Start: 1935, Stop: 3635, Start Num: 116

Candidate Starts for QuinnAvery_6:

(73, 1878), (Start: 98 @1914 has 36 MA's), (Start: 116 @1935 has 19 MA's), (187, 2010), (203, 2058), (Start: 212 @2079 has 10 MA's), (219, 2094), (240, 2127), (281, 2169), (282, 2172), (293, 2217), (299, 2235), (300, 2238), (302, 2241), (375, 2364), (387, 2388), (416, 2418), (450, 2532), (476, 2592), (490, 2613), (523, 2679), (585, 2844), (619, 2910), (625, 2925), (715, 3096), (762, 3195), (794, 3228), (821, 3264), (823, 3267), (862, 3309), (883, 3351), (947, 3399), (967, 3426), (970, 3429), (974, 3435), (1017, 3498), (1075, 3576), (1092, 3624),

Gene: RAP15_5 Start: 3133, Stop: 4698, Start Num: 79

Candidate Starts for RAP15_5:

(Start: 79 @3133 has 76 MA's), (Start: 234 @3343 has 4 MA's), (281, 3397), (299, 3463), (310, 3487), (427, 3703), (432, 3718), (434, 3724), (450, 3784), (476, 3844), (533, 3943), (551, 3973), (559, 3988), (619, 4069), (665, 4147), (674, 4156), (707, 4192), (720, 4231), (735, 4264), (738, 4273), (753, 4300),

(797, 4354), (829, 4396), (873, 4441), (883, 4462), (896, 4486), (987, 4564), (1080, 4684),

Gene: REQ1_66 Start: 29500, Stop: 31053, Start Num: 153

Candidate Starts for REQ1_66:

(Start: 153 @29500 has 41 MA's), (Start: 234 @29638 has 4 MA's), (284, 29734), (365, 29911), (384, 29947), (386, 29950), (436, 30061), (443, 30079), (448, 30094), (460, 30121), (616, 30373), (630, 30394), (772, 30646), (905, 30820), (961, 30898), (978, 30922), (1040, 31000),

Gene: REQ2_02 Start: 393, Stop: 1919, Start Num: 156

Candidate Starts for REQ2_02:

(Start: 156 @393 has 11 MA's), (281, 606), (315, 696), (333, 747), (336, 756), (337, 759), (388, 825), (415, 849), (426, 885), (433, 906), (440, 933), (447, 951), (448, 954), (461, 996), (540, 1092), (604, 1194), (609, 1203), (631, 1248), (717, 1389), (860, 1617), (961, 1770), (994, 1821), (1052, 1902),

Gene: RRH1_02 Start: 655, Stop: 1965, Start Num: 221

Candidate Starts for RRH1_02:

(Start: 117 @541 has 7 MA's), (Start: 221 @655 has 1 MA's), (248, 694), (290, 766), (300, 796), (310, 817), (336, 868), (370, 913), (391, 940), (405, 949), (413, 964), (446, 1063), (472, 1117), (478, 1132), (613, 1324), (716, 1492), (728, 1525), (737, 1540), (797, 1621), (851, 1696), (897, 1759), (949, 1798), (978, 1834), (1027, 1903),

Gene: Rabbitrun_14 Start: 5332, Stop: 6777, Start Num: 155

Candidate Starts for Rabbitrun_14:

(Start: 155 @5332 has 8 MA's), (217, 5437), (219, 5443), (281, 5518), (316, 5611), (349, 5692), (413, 5761), (434, 5821), (445, 5854), (447, 5863), (452, 5884), (477, 5923), (566, 6061), (579, 6088), (622, 6157), (753, 6385), (797, 6439), (823, 6469), (847, 6508), (921, 6616), (927, 6622), (980, 6679),

Gene: Rabbs_2 Start: 456, Stop: 1892, Start Num: 178

Candidate Starts for Rabbs_2:

(Start: 77 @360 has 24 MA's), (Start: 178 @456 has 43 MA's), (Start: 179 @459 has 5 MA's), (Start: 197 @495 has 1 MA's), (Start: 215 @534 has 1 MA's), (295, 696), (333, 783), (336, 792), (346, 810), (359, 822), (433, 942), (445, 978), (449, 999), (460, 1020), (490, 1068), (495, 1077), (609, 1230), (641, 1290), (652, 1308), (694, 1359), (709, 1386), (715, 1401), (716, 1404), (760, 1485), (796, 1530), (846, 1605), (855, 1623), (870, 1644), (915, 1689), (930, 1707), (932, 1710), (993, 1803), (1054, 1884),

Gene: Rahul_2 Start: 517, Stop: 1917, Start Num: 169

Candidate Starts for Rahul_2:

(Start: 169 @517 has 5 MA's), (Start: 208 @583 has 2 MA's), (Start: 221 @610 has 1 MA's), (282, 685), (285, 694), (290, 721), (291, 724), (295, 736), (302, 754), (333, 814), (336, 823), (337, 826), (448, 1027), (638, 1321), (694, 1399), (702, 1414), (716, 1438), (718, 1444), (721, 1453), (728, 1471), (793, 1561), (847, 1627), (877, 1672), (925, 1723), (967, 1768), (985, 1795), (1031, 1858), (1069, 1900),

Gene: Ramen_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for Ramen_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Ramsey_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Ramsey_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Rando14_6 Start: 1416, Stop: 2843, Start Num: 175

Candidate Starts for Rando14_6:

(164, 1404), (Start: 175 @1416 has 25 MA's), (204, 1473), (Start: 215 @1494 has 1 MA's), (Start: 229 @1518 has 18 MA's), (279, 1602), (283, 1611), (294, 1656), (295, 1659), (302, 1677), (315, 1695), (333, 1746), (339, 1761), (387, 1821), (431, 1899), (445, 1941), (447, 1950), (448, 1953), (464, 1992), (490, 2031), (579, 2145), (596, 2175), (609, 2193), (631, 2235), (651, 2271), (671, 2298), (709, 2355), (741, 2439), (821, 2541), (855, 2598), (872, 2622), (890, 2646), (993, 2775), (1052, 2832),

Gene: Rapunzel97_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for Rapunzel97_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Raqqa_3 Start: 1118, Stop: 2458, Start Num: 227

Candidate Starts for Raqqa_3:

(159, 1001), (227, 1118), (Start: 229 @1121 has 18 MA's), (281, 1214), (310, 1298), (315, 1304), (333, 1355), (336, 1364), (445, 1550), (447, 1559), (448, 1562), (464, 1601), (466, 1604), (511, 1667), (574, 1742), (609, 1799), (711, 1970), (716, 1985), (739, 2045), (746, 2054), (757, 2075), (823, 2153), (829, 2162), (855, 2207), (863, 2219), (872, 2234), (890, 2264), (918, 2285), (993, 2390),

Gene: Rattail_2 Start: 373, Stop: 1995, Start Num: 98

Candidate Starts for Rattail_2:

(Start: 85 @352 has 13 MA's), (Start: 98 @373 has 36 MA's), (281, 604), (285, 616), (293, 652), (299, 670), (302, 676), (337, 748), (435, 916), (450, 967), (458, 991), (476, 1027), (490, 1048), (500, 1063), (527, 1123), (564, 1207), (693, 1423), (702, 1435), (731, 1501), (735, 1507), (755, 1546), (790, 1585), (794, 1591), (814, 1618), (844, 1663), (1017, 1903), (1041, 1930), (1060, 1951), (1080, 1981), (1082, 1984),

Gene: Rattrick_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Rattrick_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: RayTheFireFly_2 Start: 586, Stop: 2196, Start Num: 131

Candidate Starts for RayTheFireFly_2:

(Start: 131 @586 has 13 MA's), (255, 769), (315, 904), (333, 952), (383, 1024), (450, 1177), (468, 1219), (488, 1249), (528, 1312), (541, 1354), (544, 1363), (569, 1414), (583, 1444), (585, 1447), (602, 1465), (630, 1510), (651, 1543), (676, 1570), (758, 1735), (800, 1786), (826, 1825), (844, 1852), (846, 1855), (853, 1873), (904, 1957), (1025, 2131),

Gene: Raymond7_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Raymond7_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (232, 635), (Start: 234 @638 has 4 MA's), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: RcigaStruga_5 Start: 3080, Stop: 4645, Start Num: 79

Candidate Starts for RcigaStruga_5:

(Start: 79 @3080 has 76 MA's), (Start: 212 @3254 has 10 MA's), (Start: 234 @3290 has 4 MA's), (281, 3344), (291, 3386), (299, 3410), (374, 3536), (427, 3650), (432, 3665), (434, 3671), (450, 3731), (476, 3791), (516, 3857), (533, 3890), (551, 3920), (559, 3935), (586, 3968), (604, 3983), (619, 4016), (674, 4103), (814, 4322), (829, 4343), (860, 4364), (896, 4433), (987, 4511), (1015, 4550), (1041, 4580), (1053, 4592), (1080, 4631), (1084, 4640),

Gene: Rearden_7 Start: 2337, Stop: 3869, Start Num: 163

Candidate Starts for Rearden_7:

(Start: 93 @2253 has 5 MA's), (126, 2295), (135, 2304), (Start: 163 @2337 has 17 MA's), (232, 2451), (268, 2514), (284, 2547), (296, 2595), (330, 2670), (346, 2706), (413, 2781), (415, 2784), (426, 2820), (436, 2853), (581, 3102), (616, 3165), (630, 3192), (653, 3237), (719, 3351), (735, 3387), (753, 3417), (758, 3426), (809, 3480), (826, 3504), (1011, 3738), (1018, 3750),

Gene: Rebel_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for Rebel_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Red305_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Red305_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: RedFox_2 Start: 370, Stop: 1992, Start Num: 98

Candidate Starts for RedFox_2:

(Start: 85 @349 has 13 MA's), (Start: 98 @370 has 36 MA's), (281, 601), (282, 604), (285, 613), (293, 649), (299, 667), (337, 745), (416, 850), (450, 964), (458, 988), (476, 1024), (490, 1045), (500, 1060), (527, 1120), (564, 1204), (693, 1420), (702, 1432), (716, 1459), (731, 1498), (735, 1504), (755, 1543), (777, 1570), (790, 1582), (814, 1615), (823, 1627), (844, 1660), (967, 1831), (1017, 1900), (1021, 1906), (1041, 1927), (1060, 1948), (1080, 1978), (1082, 1981), (1083, 1984),

Gene: Redi_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for Redi_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386,

926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: RegnumDei_6 Start: 3693, Stop: 5237, Start Num: 148

Candidate Starts for RegnumDei_6:

(Start: 148 @3693 has 6 MA's), (284, 3930), (285, 3933), (291, 3963), (335, 4068), (434, 4224), (436, 4236), (438, 4242), (448, 4269), (449, 4278), (467, 4320), (616, 4557), (704, 4692), (719, 4737), (735, 4773), (806, 4878), (829, 4908), (844, 4932), (903, 5010), (951, 5076), (985, 5127), (1045, 5196),

Gene: Reindeer_12 Start: 4590, Stop: 6134, Start Num: 98

Candidate Starts for Reindeer_12:

(Start: 98 @4590 has 36 MA's), (141, 4638), (333, 4977), (443, 5169), (449, 5193), (566, 5379), (595, 5430), (614, 5460), (616, 5466), (637, 5502), (707, 5565), (715, 5589), (720, 5604), (748, 5664), (755, 5676), (778, 5706), (797, 5736), (821, 5769), (843, 5802), (856, 5829), (889, 5877), (913, 5910), (1021, 6063), (1040, 6084),

Gene: Rem711_3 Start: 871, Stop: 2538, Start Num: 81

Candidate Starts for Rem711_3:

(29, 787), (40, 814), (60, 844), (73, 859), (Start: 81 @871 has 1 MA's), (238, 1078), (299, 1231), (302, 1237), (423, 1453), (426, 1465), (488, 1624), (495, 1636), (515, 1669), (528, 1687), (542, 1738), (558, 1774), (569, 1795), (579, 1816), (610, 1861), (651, 1924), (676, 1951), (762, 2113), (772, 2122), (819, 2185), (829, 2200), (853, 2245), (871, 2269), (925, 2359), (936, 2371), (984, 2440),

Gene: RemusLoopin_2 Start: 597, Stop: 2147, Start Num: 130

Candidate Starts for RemusLoopin_2:

(Start: 130 @597 has 4 MA's), (Start: 189 @669 has 1 MA's), (279, 816), (283, 825), (295, 873), (318, 918), (331, 954), (343, 978), (366, 1008), (380, 1017), (418, 1062), (425, 1092), (434, 1113), (444, 1146), (455, 1191), (461, 1203), (496, 1266), (512, 1296), (533, 1356), (568, 1455), (619, 1551), (621, 1554), (658, 1623), (693, 1674), (696, 1680), (701, 1689), (717, 1731), (771, 1833), (773, 1836), (785, 1854), (804, 1881), (853, 1929), (901, 2010), (934, 2034), (937, 2037), (995, 2112), (1015, 2133),

Gene: Remy19_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Remy19_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Renaissance_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Renaissance_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Renna12_3 Start: 538, Stop: 2160, Start Num: 98

Candidate Starts for Renna12_3:

(Start: 85 @517 has 13 MA's), (Start: 98 @538 has 36 MA's), (Start: 212 @679 has 10 MA's), (282, 772), (285, 781), (293, 817), (299, 835), (337, 913), (416, 1018), (450, 1132), (476, 1192), (490, 1213), (500, 1228), (534, 1309), (564, 1372), (693, 1588), (702, 1600), (716, 1627), (731, 1666), (735, 1672),

(755, 1711), (790, 1750), (814, 1783), (844, 1828), (967, 1999), (1017, 2068), (1021, 2074), (1041, 2095), (1080, 2146), (1082, 2149),

Gene: Reptar3000_9 Start: 2501, Stop: 3841, Start Num: 229

Candidate Starts for Reptar3000_9:

(Start: 167 @2396 has 168 MA's), (Start: 229 @2501 has 18 MA's), (279, 2585), (283, 2594), (291, 2630), (295, 2642), (315, 2684), (333, 2735), (340, 2753), (367, 2783), (431, 2888), (445, 2930), (447, 2939), (448, 2942), (490, 3020), (495, 3029), (579, 3134), (606, 3176), (609, 3182), (631, 3224), (709, 3341), (725, 3383), (741, 3428), (797, 3497), (829, 3542), (843, 3563), (855, 3587), (932, 3671), (993, 3764), (1052, 3830), (1056, 3836),

Gene: Rey_18 Start: 5535, Stop: 7073, Start Num: 99

Candidate Starts for Rey_18:

(Start: 98 @5532 has 36 MA's), (Start: 99 @5535 has 4 MA's), (232, 5718), (252, 5736), (276, 5769), (282, 5778), (299, 5841), (333, 5916), (443, 6108), (492, 6201), (504, 6222), (595, 6369), (631, 6429), (748, 6603), (801, 6681), (821, 6708), (843, 6741), (856, 6768), (1021, 7002), (1040, 7023),

Gene: Reyja_3 Start: 640, Stop: 2217, Start Num: 113

Candidate Starts for Reyja_3:

(47, 547), (Start: 113 @640 has 11 MA's), (243, 823), (283, 862), (285, 868), (291, 898), (343, 1006), (387, 1075), (416, 1105), (435, 1168), (456, 1240), (473, 1270), (475, 1276), (476, 1279), (610, 1525), (619, 1546), (625, 1561), (627, 1564), (636, 1576), (677, 1636), (709, 1681), (715, 1699), (718, 1708), (728, 1738), (797, 1831), (814, 1852), (821, 1861), (860, 1921), (952, 2041), (1021, 2134), (1038, 2152), (1082, 2206),

Gene: Rhogar_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Rhogar_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Rhysand_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Rhysand_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Rialto_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Rialto_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Richarlison_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Richarlison_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809),

(359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Richo_8 Start: 1660, Stop: 3090, Start Num: 167

Candidate Starts for Richo_8:

(Start: 108 @1618 has 144 MA's), (Start: 156 @1648 has 11 MA's), (Start: 167 @1660 has 168 MA's), (Start: 215 @1750 has 1 MA's), (Start: 229 @1774 has 18 MA's), (233, 1780), (254, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (333, 2002), (367, 2050), (445, 2197), (447, 2206), (539, 2335), (579, 2401), (606, 2443), (609, 2449), (613, 2461), (631, 2491), (644, 2515), (661, 2542), (709, 2611), (726, 2653), (741, 2683), (755, 2707), (800, 2755), (843, 2818), (855, 2842), (890, 2893), (935, 2932), (993, 3022), (1029, 3061), (1052, 3079), (1056, 3085),

Gene: Rileysaurus_2 Start: 377, Stop: 1888, Start Num: 153

Candidate Starts for Rileysaurus_2:

(Start: 153 @377 has 41 MA's), (184, 416), (194, 434), (217, 479), (Start: 234 @506 has 4 MA's), (Start: 236 @509 has 15 MA's), (278, 557), (283, 566), (285, 572), (294, 611), (296, 617), (323, 668), (331, 692), (333, 698), (350, 737), (353, 746), (355, 749), (381, 788), (383, 791), (413, 851), (419, 860), (432, 905), (433, 908), (438, 929), (445, 944), (447, 953), (449, 965), (479, 1025), (490, 1040), (492, 1043), (493, 1046), (551, 1133), (589, 1178), (609, 1205), (616, 1226), (658, 1292), (704, 1355), (718, 1397), (811, 1529), (826, 1550), (829, 1553), (831, 1556), (841, 1568), (859, 1598), (862, 1601), (872, 1619), (875, 1625), (900, 1655), (938, 1703), (940, 1706), (1004, 1805), (1021, 1826), (1027, 1832), (1029, 1835), (1058, 1874), (1063, 1880),

Gene: Riovina_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Riovina_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (299, 759), (310, 783), (337, 837), (416, 966), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (619, 1365), (674, 1452), (720, 1527), (721, 1530), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: Rira_3 Start: 1113, Stop: 2573, Start Num: 108

Candidate Starts for Rira_3:

(Start: 108 @1113 has 144 MA's), (Start: 114 @1119 has 2 MA's), (Start: 236 @1281 has 15 MA's), (240, 1290), (282, 1350), (303, 1419), (319, 1440), (337, 1491), (449, 1695), (550, 1830), (590, 1908), (601, 1923), (610, 1941), (619, 1959), (642, 2001), (664, 2034), (679, 2052), (737, 2172), (738, 2175), (746, 2187), (751, 2199), (760, 2211), (803, 2262), (858, 2319), (862, 2325), (867, 2334), (872, 2343), (873, 2346), (1010, 2508), (1015, 2517), (1021, 2526), (1053, 2565),

Gene: Riverdale_5 Start: 3064, Stop: 4629, Start Num: 79

Candidate Starts for Riverdale_5:

(Start: 79 @3064 has 76 MA's), (Start: 234 @3274 has 4 MA's), (281, 3328), (299, 3394), (310, 3418), (427, 3634), (432, 3649), (434, 3655), (450, 3715), (533, 3874), (551, 3904), (559, 3919), (619, 4000), (665, 4078), (674, 4087), (707, 4123), (720, 4162), (735, 4195), (738, 4204), (753, 4231), (797, 4285), (829, 4327), (873, 4372), (883, 4393), (896, 4417), (987, 4495), (1080, 4615),

Gene: Rizz_4 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Rizz_4:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (447, 1423), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Roberts_4 Start: 1251, Stop: 2789, Start Num: 136

Candidate Starts for Roberts_4:

(Start: 136 @1251 has 6 MA's), (183, 1296), (285, 1455), (308, 1518), (341, 1605), (447, 1845), (449, 1857), (477, 1914), (570, 2073), (616, 2160), (706, 2292), (813, 2460), (927, 2592),

Gene: RockyHorror_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for RockyHorror_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Rollins_2 Start: 653, Stop: 2215, Start Num: 137

Candidate Starts for Rollins_2:

(Start: 137 @653 has 81 MA's), (Start: 211 @761 has 2 MA's), (240, 809), (299, 917), (302, 923), (307, 932), (309, 938), (310, 941), (369, 1037), (416, 1100), (450, 1214), (476, 1274), (488, 1292), (606, 1520), (625, 1565), (715, 1703), (952, 2030), (1084, 2204), (1086, 2207),

Gene: Rona_3 Start: 944, Stop: 2563, Start Num: 137

Candidate Starts for Rona_3:

(1, 410), (Start: 125 @938 has 6 MA's), (Start: 137 @944 has 81 MA's), (240, 1100), (293, 1190), (299, 1208), (307, 1223), (343, 1292), (362, 1316), (374, 1334), (416, 1391), (433, 1442), (434, 1445), (450, 1505), (456, 1526), (471, 1553), (488, 1583), (668, 1922), (737, 2045), (958, 2360), (987, 2399), (1080, 2516),

Gene: Ronaldo_37 Start: 10775, Stop: 12181, Start Num: 188

Candidate Starts for Ronaldo_37:

(141, 10718), (Start: 188 @10775 has 6 MA's), (268, 10901), (290, 10961), (293, 10970), (331, 11054), (354, 11108), (432, 11234), (434, 11240), (438, 11258), (461, 11324), (498, 11378), (518, 11411), (550, 11456), (616, 11549), (671, 11627), (702, 11672), (709, 11690), (748, 11753), (751, 11759), (848, 11885), (874, 11930), (889, 11948), (1021, 12122),

Gene: Ronnie_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Ronnie_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Root_4 Start: 1296, Stop: 2876, Start Num: 61

Candidate Starts for Root_4:

(Start: 61 @1296 has 1 MA's), (Start: 97 @1347 has 3 MA's), (103, 1356), (185, 1443), (Start: 221 @1515 has 1 MA's), (Start: 234 @1533 has 4 MA's), (281, 1593), (282, 1596), (285, 1605), (291, 1635), (337, 1737), (370, 1779), (433, 1893), (434, 1896), (448, 1941), (465, 1986), (470, 1995), (597, 2175), (606, 2187), (609, 2193), (623, 2229), (629, 2241), (693, 2337), (735, 2424), (753, 2460), (760, 2472), (773, 2481), (786, 2493), (805, 2523), (820, 2541), (855, 2598), (872, 2622), (949, 2709), (970, 2733), (978, 2745), (995, 2772),

Gene: Rooter_3 Start: 342, Stop: 1781, Start Num: 173

Candidate Starts for Rooter_3:

(Start: 173 @342 has 4 MA's), (Start: 215 @417 has 1 MA's), (281, 525), (283, 531), (287, 549), (294, 576), (295, 579), (325, 642), (333, 666), (386, 744), (415, 774), (434, 834), (445, 867), (447, 876), (449, 888), (464, 918), (466, 921), (490, 957), (497, 969), (573, 1077), (588, 1104), (648, 1203), (707, 1284), (720, 1320), (734, 1350), (737, 1356), (760, 1395), (772, 1407), (787, 1422), (794, 1431), (797, 1437), (855, 1527), (942, 1623),

Gene: RoscoWindex_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for RoscoWindex_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Rose5_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Rose5_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: RoseMarie_14 Start: 4966, Stop: 6510, Start Num: 98

Candidate Starts for RoseMarie_14:

(Start: 98 @4966 has 36 MA's), (141, 5014), (333, 5353), (434, 5515), (443, 5545), (449, 5569), (566, 5755), (595, 5806), (637, 5878), (702, 5929), (707, 5941), (715, 5965), (748, 6040), (755, 6052), (797, 6112), (821, 6145), (835, 6166), (843, 6178), (856, 6205), (875, 6235), (889, 6253), (1021, 6439), (1040, 6460),

Gene: Rosmarinus_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Rosmarinus_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Rossetti_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Rossetti_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (281, 1351), (286, 1366), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (875, 2407), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Rozby_5 Start: 3064, Stop: 4629, Start Num: 79

Candidate Starts for Rozby_5:

(Start: 79 @3064 has 76 MA's), (Start: 234 @3274 has 4 MA's), (281, 3328), (299, 3394), (310, 3418), (427, 3634), (431, 3646), (432, 3649), (434, 3655), (450, 3715), (476, 3775), (533, 3874), (551, 3904),

(559, 3919), (619, 4000), (665, 4078), (674, 4087), (707, 4123), (720, 4162), (735, 4195), (738, 4204), (753, 4231), (797, 4285), (829, 4327), (873, 4372), (883, 4393), (896, 4417), (987, 4495), (1080, 4615),

Gene: Rubeelu_2 Start: 495, Stop: 2030, Start Num: 157

Candidate Starts for Rubeelu_2:

(Start: 157 @495 has 25 MA's), (Start: 160 @498 has 23 MA's), (Start: 177 @513 has 1 MA's), (204, 570), (Start: 212 @588 has 10 MA's), (218, 600), (274, 672), (290, 720), (293, 729), (323, 792), (358, 864), (386, 912), (432, 1011), (448, 1062), (488, 1134), (497, 1149), (506, 1167), (570, 1275), (581, 1299), (616, 1362), (671, 1446), (707, 1503), (712, 1518), (735, 1575), (744, 1593), (759, 1620), (809, 1689), (847, 1746), (859, 1755), (881, 1776), (910, 1809), (940, 1845), (951, 1860), (1011, 1941), (1014, 1947),

Gene: Ruchi_3 Start: 1027, Stop: 2607, Start Num: 152

Candidate Starts for Ruchi_3:

(67, 937), (Start: 85 @961 has 13 MA's), (Start: 152 @1027 has 16 MA's), (Start: 212 @1123 has 10 MA's), (214, 1126), (217, 1132), (285, 1225), (294, 1264), (299, 1279), (310, 1303), (374, 1405), (450, 1576), (454, 1588), (476, 1636), (490, 1657), (521, 1717), (531, 1747), (534, 1756), (564, 1819), (627, 1936), (693, 2035), (702, 2047), (731, 2113), (738, 2128), (755, 2158), (790, 2197), (796, 2206), (801, 2215), (829, 2251), (863, 2305), (1017, 2515), (1055, 2557), (1082, 2596),

Gene: Rumpelstiltskin_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Rumpelstiltskin_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (296, 1408), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (490, 1795), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Ruriko_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Ruriko_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Ruthiejr_8 Start: 2201, Stop: 3646, Start Num: 167

Candidate Starts for Ruthiejr_8:

(Start: 167 @2201 has 168 MA's), (Start: 229 @2306 has 18 MA's), (279, 2390), (283, 2399), (295, 2447), (300, 2462), (315, 2489), (333, 2540), (340, 2558), (367, 2588), (387, 2615), (431, 2693), (445, 2735), (447, 2744), (448, 2747), (490, 2825), (495, 2834), (539, 2873), (579, 2939), (609, 2987), (631, 3029), (644, 3053), (709, 3146), (725, 3188), (741, 3233), (797, 3302), (829, 3347), (843, 3368), (855, 3392), (993, 3569), (1052, 3635), (1056, 3641),

Gene: Ruthy_2 Start: 434, Stop: 1993, Start Num: 151

Candidate Starts for Ruthy_2:

(34, 278), (48, 302), (71, 335), (92, 365), (Start: 151 @434 has 5 MA's), (198, 500), (230, 560), (238, 569), (261, 608), (326, 758), (333, 779), (334, 782), (362, 824), (410, 878), (447, 986), (485, 1070), (488, 1073), (528, 1136), (537, 1166), (543, 1184), (544, 1187), (657, 1376), (704, 1430), (707, 1439), (709, 1445), (737, 1514), (760, 1550), (769, 1559), (779, 1568), (797, 1595), (800, 1598), (819, 1625), (853, 1685), (869, 1706), (936, 1811), (955, 1844), (1066, 1973),

Gene: Ryadel_33 Start: 13890, Stop: 15404, Start Num: 76

Candidate Starts for Ryadel_33:

(Start: 76 @13890 has 17 MA's), (Start: 78 @13893 has 19 MA's), (Start: 215 @14073 has 1 MA's), (269, 14166), (294, 14241), (310, 14274), (323, 14301), (333, 14331), (431, 14484), (433, 14490), (445, 14526), (447, 14535), (490, 14616), (495, 14625), (497, 14628), (540, 14667), (576, 14724), (596, 14760), (601, 14763), (706, 14919), (709, 14928), (737, 14997), (741, 15006), (746, 15012), (769, 15045), (800, 15081), (855, 15168), (871, 15189), (932, 15252), (935, 15255), (938, 15258), (947, 15276), (963, 15297), (993, 15339), (1026, 15375), (1047, 15387),

Gene: Ryan_6 Start: 2079, Stop: 3779, Start Num: 116

Candidate Starts for Ryan_6:

(73, 2022), (Start: 98 @2058 has 36 MA's), (Start: 116 @2079 has 19 MA's), (203, 2202), (Start: 212 @2223 has 10 MA's), (240, 2271), (282, 2316), (283, 2319), (293, 2361), (299, 2379), (300, 2382), (326, 2424), (374, 2505), (375, 2508), (416, 2562), (450, 2676), (476, 2736), (490, 2757), (585, 2988), (619, 3054), (625, 3069), (715, 3240), (738, 3297), (762, 3339), (794, 3372), (823, 3411), (862, 3453), (952, 3552), (967, 3570), (970, 3573), (974, 3579), (1017, 3642), (1057, 3687), (1092, 3768),

Gene: SFuller_9 Start: 5560, Stop: 7113, Start Num: 153

Candidate Starts for SFuller_9:

(Start: 148 @5554 has 6 MA's), (Start: 153 @5560 has 41 MA's), (284, 5794), (365, 5971), (384, 6007), (386, 6010), (436, 6121), (443, 6139), (448, 6154), (460, 6181), (616, 6433), (630, 6454), (661, 6505), (762, 6697), (905, 6880), (951, 6943), (961, 6958), (978, 6982), (1040, 7060),

Gene: SKKY_2 Start: 385, Stop: 1896, Start Num: 153

Candidate Starts for SKKY_2:

(Start: 153 @385 has 41 MA's), (184, 424), (194, 442), (217, 487), (Start: 234 @514 has 4 MA's), (Start: 236 @517 has 15 MA's), (278, 565), (283, 574), (285, 580), (291, 610), (294, 619), (296, 625), (315, 658), (323, 676), (331, 700), (333, 706), (350, 745), (353, 754), (355, 757), (381, 796), (383, 799), (419, 868), (432, 913), (433, 916), (438, 937), (445, 952), (447, 961), (449, 973), (466, 1012), (479, 1033), (490, 1048), (492, 1051), (493, 1054), (499, 1060), (508, 1075), (551, 1141), (567, 1162), (616, 1234), (658, 1300), (683, 1333), (760, 1483), (769, 1492), (789, 1504), (811, 1537), (826, 1558), (829, 1561), (831, 1564), (841, 1576), (859, 1606), (875, 1633), (893, 1654), (909, 1675), (938, 1711), (940, 1714), (946, 1726), (952, 1738), (997, 1804), (1004, 1813), (1008, 1819), (1027, 1840), (1058, 1882), (1063, 1888),

Gene: Sachet_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Sachet_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Sage7_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Sage7_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Sahara_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Sahara_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455),

(796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Saintcarr_5 Start: 1939, Stop: 3639, Start Num: 116

Candidate Starts for Saintcarr_5:

(73, 1882), (Start: 98 @1918 has 36 MA's), (Start: 116 @1939 has 19 MA's), (203, 2062), (Start: 212 @2083 has 10 MA's), (240, 2131), (282, 2176), (283, 2179), (293, 2221), (299, 2239), (300, 2242), (302, 2245), (375, 2368), (416, 2422), (434, 2476), (450, 2536), (476, 2596), (490, 2617), (585, 2848), (619, 2914), (625, 2929), (715, 3100), (735, 3148), (738, 3157), (762, 3199), (794, 3232), (823, 3271), (862, 3313), (947, 3403), (967, 3430), (970, 3433), (974, 3439), (1017, 3502), (1075, 3580), (1092, 3628),

Gene: SallySpecial_2 Start: 441, Stop: 1871, Start Num: 169

Candidate Starts for SallySpecial_2:

(66, 354), (89, 387), (Start: 117 @420 has 7 MA's), (Start: 169 @441 has 5 MA's), (Start: 212 @519 has 10 MA's), (Start: 221 @537 has 1 MA's), (281, 609), (283, 615), (285, 621), (290, 648), (296, 666), (302, 681), (336, 747), (337, 750), (377, 801), (395, 837), (422, 882), (450, 978), (470, 1011), (545, 1092), (574, 1149), (689, 1335), (693, 1341), (717, 1386), (726, 1404), (773, 1479), (795, 1506), (820, 1539), (860, 1596), (949, 1692), (961, 1704), (1027, 1797), (1069, 1845),

Gene: SamScheppers_7 Start: 2180, Stop: 3520, Start Num: 229

Candidate Starts for SamScheppers_7:

(Start: 167 @2075 has 168 MA's), (Start: 229 @2180 has 18 MA's), (279, 2264), (283, 2273), (291, 2309), (295, 2321), (300, 2336), (315, 2363), (333, 2414), (340, 2432), (367, 2462), (387, 2489), (431, 2567), (447, 2618), (448, 2621), (490, 2699), (495, 2708), (539, 2747), (579, 2813), (609, 2861), (631, 2903), (709, 3020), (725, 3062), (741, 3107), (797, 3176), (829, 3221), (843, 3242), (855, 3266), (993, 3443), (1052, 3509), (1056, 3515),

Gene: SamW_2 Start: 374, Stop: 1957, Start Num: 128

Candidate Starts for SamW_2:

(Start: 125 @371 has 6 MA's), (Start: 128 @374 has 39 MA's), (Start: 138 @380 has 1 MA's), (245, 551), (281, 629), (284, 638), (367, 812), (429, 914), (431, 920), (434, 929), (435, 938), (453, 998), (475, 1046), (476, 1049), (545, 1112), (592, 1205), (627, 1271), (722, 1427), (729, 1445), (756, 1490), (776, 1532), (802, 1568), (814, 1583), (832, 1610), (834, 1613), (844, 1628), (866, 1661), (873, 1676), (899, 1724), (937, 1754), (953, 1772), (1006, 1847), (1067, 1922), (1081, 1946),

Gene: Samba_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Samba_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (896, 1689), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Samman98_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Samman98_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (216, 973), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (450, 1438), (488, 1510), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Samora_2 Start: 588, Stop: 2150, Start Num: 130

Candidate Starts for Samora_2:

(Start: 130 @588 has 4 MA's), (283, 816), (285, 822), (295, 864), (331, 945), (332, 948), (343, 969), (345, 972), (366, 999), (418, 1053), (425, 1083), (432, 1098), (444, 1137), (447, 1149), (455, 1182), (512, 1287), (587, 1479), (618, 1542), (643, 1590), (649, 1602), (658, 1617), (693, 1668), (696, 1674), (701, 1683), (716, 1722), (771, 1827), (773, 1830), (821, 1899), (896, 1998), (901, 2004), (923, 2016), (934, 2028), (937, 2031),

Gene: Samty_5 Start: 1186, Stop: 2751, Start Num: 74

Candidate Starts for Samty_5:

(Start: 74 @1186 has 76 MA's), (Start: 78 @1192 has 19 MA's), (206, 1363), (281, 1468), (285, 1480), (346, 1636), (350, 1645), (358, 1648), (360, 1651), (413, 1726), (431, 1780), (432, 1783), (433, 1786), (558, 2017), (603, 2092), (614, 2113), (616, 2119), (663, 2188), (688, 2212), (704, 2230), (709, 2245), (760, 2359), (797, 2398), (801, 2404), (846, 2470), (905, 2560), (913, 2572), (954, 2611), (1021, 2698), (1055, 2743), (1057, 2746),

Gene: SamuelLPlaqson_8 Start: 1566, Stop: 2987, Start Num: 167

Candidate Starts for SamuelLPlaqson_8:

(88, 1494), (Start: 117 @1533 has 7 MA's), (Start: 156 @1554 has 11 MA's), (Start: 167 @1566 has 168 MA's), (Start: 229 @1677 has 18 MA's), (233, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (333, 1905), (361, 1947), (367, 1953), (387, 1980), (388, 1983), (415, 2007), (445, 2100), (447, 2109), (490, 2190), (501, 2208), (579, 2304), (609, 2352), (613, 2364), (631, 2394), (644, 2418), (651, 2430), (707, 2508), (709, 2514), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: SanaSana_4 Start: 960, Stop: 2585, Start Num: 137

Candidate Starts for SanaSana_4:

(Start: 137 @960 has 81 MA's), (240, 1116), (299, 1224), (307, 1239), (343, 1308), (375, 1353), (433, 1458), (434, 1461), (450, 1521), (455, 1539), (456, 1542), (471, 1569), (488, 1599), (564, 1761), (694, 1977), (731, 2052), (737, 2064), (987, 2418), (1021, 2466),

Gene: Sandman_4 Start: 874, Stop: 2364, Start Num: 110

Candidate Starts for Sandman_4:

(Start: 110 @874 has 45 MA's), (Start: 163 @919 has 17 MA's), (Start: 221 @1021 has 1 MA's), (Start: 234 @1039 has 4 MA's), (239, 1048), (281, 1099), (282, 1102), (285, 1111), (291, 1141), (300, 1168), (363, 1267), (424, 1366), (432, 1390), (433, 1393), (434, 1396), (448, 1441), (597, 1675), (623, 1723), (629, 1735), (651, 1774), (665, 1792), (678, 1804), (679, 1807), (693, 1828), (696, 1834), (702, 1846), (738, 1924), (777, 1978), (820, 2032), (830, 2044), (860, 2089), (890, 2137), (978, 2221), (1017, 2278), (1073, 2347),

Gene: SansAfet_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for SansAfet_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: SantasSleigh_3 Start: 1110, Stop: 2570, Start Num: 108

Candidate Starts for SantasSleigh_3:

(Start: 108 @1110 has 144 MA's), (Start: 114 @1116 has 2 MA's), (Start: 236 @1278 has 15 MA's), (240, 1287), (282, 1347), (303, 1416), (319, 1437), (337, 1488), (449, 1692), (590, 1905), (601, 1920), (619, 1956), (642, 1998), (664, 2031), (679, 2049), (737, 2169), (738, 2172), (746, 2184), (803, 2259), (862, 2322), (872, 2340), (873, 2343), (1010, 2505), (1015, 2514), (1021, 2523), (1053, 2562),

Gene: Santhid_2 Start: 511, Stop: 2100, Start Num: 113

Candidate Starts for Santhid_2:

(Start: 113 @511 has 11 MA's), (217, 646), (219, 652), (243, 694), (283, 733), (291, 769), (310, 817), (343, 877), (374, 919), (375, 922), (387, 946), (388, 949), (416, 976), (435, 1039), (456, 1111), (473, 1141), (475, 1147), (476, 1150), (619, 1417), (625, 1432), (627, 1435), (636, 1447), (677, 1507), (709, 1552), (715, 1570), (718, 1579), (728, 1609), (797, 1702), (814, 1723), (821, 1732), (860, 1792), (873, 1816), (890, 1852), (1021, 2017), (1038, 2035), (1082, 2089),

Gene: Saphira_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Saphira_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (239, 974), (281, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (334, 1160), (370, 1205), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (454, 1391), (459, 1400), (496, 1466), (555, 1529), (561, 1541), (585, 1583), (597, 1601), (629, 1661), (665, 1718), (678, 1730), (693, 1754), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (835, 1979), (884, 2054), (890, 2063), (925, 2090), (978, 2147), (1015, 2201), (1073, 2273),

Gene: Sapo_1 Start: 60, Stop: 1748, Start Num: 21

Candidate Starts for Sapo_1:

(Start: 21 @60 has 4 MA's), (431, 750), (435, 768), (456, 840), (476, 879), (589, 1032), (632, 1107), (646, 1134), (718, 1245), (720, 1251), (722, 1257), (738, 1293), (797, 1383), (842, 1437), (862, 1470), (1038, 1680), (1041, 1683),

Gene: SarBear_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for SarBear_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Sara_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Sara_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Sarge_2 Start: 371, Stop: 1759, Start Num: 196

Candidate Starts for Sarge_2:

(43, 170), (46, 173), (54, 185), (Start: 102 @257 has 55 MA's), (Start: 156 @311 has 11 MA's), (Start: 196 @371 has 6 MA's), (204, 392), (Start: 215 @413 has 1 MA's), (237, 446), (256, 482), (281, 527), (282, 530), (290, 566), (295, 581), (310, 611), (323, 638), (367, 716), (415, 770), (447, 872), (448, 875), (511, 980), (604, 1106), (609, 1115), (705, 1256), (707, 1262), (709, 1268), (734, 1328), (737, 1334), (760, 1373), (787, 1400), (794, 1409), (846, 1487), (855, 1505), (901, 1562), (999, 1682), (1013, 1703), (1052, 1748),

Gene: Sarma624_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Sarma624_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Sarshaun_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Sarshaun_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Savage_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Savage_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Savage2526_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for Savage2526_5:

(Start: 79 @3127 has 76 MA's), (Start: 234 @3337 has 4 MA's), (Start: 236 @3340 has 15 MA's), (281, 3391), (299, 3457), (310, 3481), (427, 3697), (432, 3712), (434, 3718), (450, 3778), (483, 3850), (533, 3937), (551, 3967), (559, 3982), (619, 4063), (665, 4141), (674, 4150), (707, 4186), (720, 4225), (735, 4258), (738, 4267), (753, 4294), (797, 4348), (829, 4390), (873, 4435), (883, 4456), (896, 4480), (987, 4558), (1080, 4678),

Gene: Sbash_2 Start: 488, Stop: 2038, Start Num: 155

Candidate Starts for Sbash_2:

(Start: 155 @488 has 8 MA's), (204, 566), (Start: 212 @584 has 10 MA's), (282, 677), (299, 740), (323, 785), (334, 818), (390, 914), (413, 950), (426, 989), (432, 1004), (445, 1043), (448, 1055), (452, 1073), (463, 1088), (488, 1127), (510, 1166), (570, 1268), (581, 1292), (681, 1454), (707, 1496), (720, 1535), (759, 1610), (783, 1640), (831, 1709), (833, 1712), (859, 1754), (920, 1844), (951, 1880), (961, 1895), (1005, 1952), (1011, 1961), (1014, 1967), (1022, 1979), (1032, 1988), (1054, 2015),

Gene: Scamander_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Scamander_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Scarlett_7 Start: 1481, Stop: 2905, Start Num: 167

Candidate Starts for Scarlett_7:

(Start: 167 @1481 has 168 MA's), (Start: 215 @1568 has 1 MA's), (Start: 229 @1592 has 18 MA's), (233, 1598), (279, 1676), (283, 1685), (285, 1691), (295, 1733), (302, 1751), (315, 1769), (333, 1820), (359, 1859), (387, 1895), (431, 1973), (445, 2015), (447, 2024), (490, 2105), (579, 2219), (606, 2261), (609, 2267), (613, 2279), (631, 2309), (644, 2333), (651, 2345), (661, 2360), (709, 2429), (726, 2471), (797, 2570), (821, 2603), (823, 2606), (846, 2642), (855, 2660), (1052, 2894),

Gene: Schiebel_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Schiebel_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641,

1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Schiebs_2 Start: 487, Stop: 1824, Start Num: 208

Candidate Starts for Schiebs_2:

(Start: 117 @397 has 7 MA's), (Start: 208 @487 has 2 MA's), (Start: 212 @496 has 10 MA's), (Start: 221 @514 has 1 MA's), (232, 529), (248, 553), (285, 598), (292, 631), (296, 643), (310, 676), (343, 730), (382, 772), (396, 802), (397, 805), (434, 886), (439, 910), (448, 931), (478, 994), (634, 1222), (674, 1282), (681, 1294), (691, 1306), (694, 1309), (702, 1324), (717, 1351), (718, 1354), (737, 1396), (773, 1447), (796, 1474), (800, 1480), (860, 1564), (871, 1570), (965, 1666), (976, 1681), (987, 1699), (1021, 1747), (1031, 1759),

Gene: Schism_6 Start: 1957, Stop: 3657, Start Num: 116

Candidate Starts for Schism_6:

(73, 1900), (Start: 98 @1936 has 36 MA's), (Start: 116 @1957 has 19 MA's), (203, 2080), (Start: 212 @2101 has 10 MA's), (240, 2149), (282, 2194), (293, 2239), (299, 2257), (300, 2260), (302, 2263), (416, 2440), (450, 2554), (476, 2614), (490, 2635), (523, 2701), (585, 2866), (619, 2932), (625, 2947), (715, 3118), (735, 3166), (738, 3175), (762, 3217), (794, 3250), (823, 3289), (862, 3331), (883, 3373), (947, 3421), (967, 3448), (970, 3451), (974, 3457), (987, 3478), (1017, 3520), (1092, 3646),

Gene: Schmidt_5 Start: 1915, Stop: 3552, Start Num: 65

Candidate Starts for Schmidt_5:

(Start: 52 @1897 has 3 MA's), (Start: 65 @1915 has 1 MA's), (146, 1987), (Start: 157 @1999 has 25 MA's), (Start: 212 @2089 has 10 MA's), (217, 2098), (282, 2182), (283, 2185), (284, 2188), (296, 2236), (310, 2269), (416, 2428), (432, 2476), (434, 2482), (458, 2566), (460, 2569), (461, 2572), (475, 2599), (476, 2602), (592, 2761), (619, 2809), (625, 2824), (636, 2839), (674, 2893), (698, 2941), (705, 2965), (719, 3007), (733, 3040), (737, 3049), (753, 3079), (777, 3109), (794, 3127), (797, 3133), (823, 3166), (844, 3199), (902, 3304), (928, 3331), (933, 3337), (992, 3412), (1049, 3475), (1079, 3523), (1087, 3544),

Gene: Schnabeltier_2 Start: 521, Stop: 2170, Start Num: 93

Candidate Starts for Schnabeltier_2:

(Start: 93 @521 has 5 MA's), (Start: 236 @719 has 15 MA's), (238, 722), (333, 932), (336, 941), (346, 962), (379, 1007), (450, 1190), (528, 1325), (569, 1391), (589, 1433), (676, 1547), (686, 1565), (689, 1568), (758, 1712), (767, 1721), (846, 1832), (853, 1850), (896, 1922), (920, 1958), (962, 2012), (1002, 2072), (1041, 2123),

Gene: Schnauzer_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Schnauzer_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: SchoolBus_30 Start: 13077, Stop: 14591, Start Num: 76

Candidate Starts for SchoolBus_30:

(Start: 76 @13077 has 17 MA's), (Start: 78 @13080 has 19 MA's), (Start: 215 @13260 has 1 MA's), (269, 13353), (294, 13428), (310, 13461), (323, 13488), (333, 13518), (431, 13671), (433, 13677), (445, 13713), (447, 13722), (490, 13803), (495, 13812), (497, 13815), (540, 13854), (576, 13911), (596, 13947), (601, 13950), (706, 14106), (709, 14115), (737, 14184), (741, 14193), (746, 14199), (769, 14232), (800, 14268), (855, 14355), (871, 14376), (932, 14439), (935, 14442), (938, 14445),

(947, 14463), (963, 14484), (993, 14526), (1026, 14562), (1047, 14574),

Gene: Schuy_32 Start: 13466, Stop: 14977, Start Num: 78

Candidate Starts for Schuy_32:

(Start: 76 @13463 has 17 MA's), (Start: 78 @13466 has 19 MA's), (Start: 215 @13646 has 1 MA's), (269, 13739), (294, 13814), (310, 13847), (323, 13874), (333, 13904), (431, 14057), (433, 14063), (445, 14099), (447, 14108), (490, 14189), (495, 14198), (497, 14201), (540, 14240), (576, 14297), (596, 14333), (601, 14336), (706, 14492), (709, 14501), (737, 14570), (741, 14579), (746, 14585), (769, 14618), (800, 14654), (855, 14741), (871, 14762), (932, 14825), (935, 14828), (938, 14831), (947, 14849), (963, 14870), (993, 14912), (1026, 14948), (1047, 14960),

Gene: Scitech_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Scitech_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Scrunchy_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Scrunchy_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Scuttle_5 Start: 3343, Stop: 4698, Start Num: 234

Candidate Starts for Scuttle_5:

(Start: 79 @3133 has 76 MA's), (Start: 234 @3343 has 4 MA's), (281, 3397), (296, 3454), (299, 3463), (310, 3487), (427, 3703), (432, 3718), (434, 3724), (450, 3784), (476, 3844), (533, 3943), (551, 3973), (559, 3988), (619, 4069), (665, 4147), (674, 4156), (707, 4192), (720, 4231), (735, 4264), (738, 4273), (753, 4300), (797, 4354), (829, 4396), (873, 4441), (883, 4462), (896, 4486), (987, 4564), (1080, 4684),

Gene: SeaWolves_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for SeaWolves_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Seagreen_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Seagreen_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102),

Gene: Sebastisaurus_2 Start: 597, Stop: 2150, Start Num: 130

Candidate Starts for Sebastisaurus_2:

(Start: 130 @597 has 4 MA's), (Start: 189 @669 has 1 MA's), (279, 816), (283, 825), (295, 873), (299, 885), (331, 954), (343, 978), (366, 1008), (380, 1017), (418, 1062), (425, 1092), (434, 1113), (444, 1146), (455, 1191), (461, 1203), (496, 1266), (512, 1296), (533, 1356), (619, 1551), (621, 1554), (658, 1623), (693, 1674), (696, 1680), (701, 1689), (711, 1713), (717, 1731), (771, 1833), (773, 1836), (785, 1854), (804, 1881), (853, 1929), (901, 2010), (934, 2034), (937, 2037), (995, 2112), (1015, 2133),

Gene: Sekhmet_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Sekhmet_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (426, 1357), (445, 1414), (447, 1423), (450, 1438), (488, 1510), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Sephiroth_13 Start: 5118, Stop: 6593, Start Num: 155

Candidate Starts for Sephiroth_13:

(Start: 155 @5118 has 8 MA's), (252, 5265), (281, 5304), (285, 5316), (331, 5439), (333, 5445), (384, 5526), (413, 5580), (415, 5583), (434, 5640), (447, 5682), (449, 5694), (463, 5718), (477, 5742), (504, 5784), (616, 5964), (645, 6006), (705, 6087), (720, 6132), (728, 6156), (753, 6201), (801, 6261), (847, 6324), (850, 6330), (898, 6402), (913, 6420), (927, 6438), (1012, 6537), (1024, 6555), (1047, 6585),

Gene: Sergei_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Sergei_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (755, 1598), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: SerialPhiller_2 Start: 412, Stop: 1926, Start Num: 93

Candidate Starts for SerialPhiller_2:

(Start: 57 @361 has 1 MA's), (Start: 93 @412 has 5 MA's), (Start: 99 @424 has 4 MA's), (121, 448), (Start: 155 @472 has 8 MA's), (Start: 221 @583 has 1 MA's), (239, 610), (285, 673), (291, 703), (294, 712), (300, 730), (370, 841), (396, 874), (433, 955), (448, 1003), (484, 1084), (585, 1219), (604, 1246), (629, 1297), (648, 1330), (753, 1513), (830, 1606), (855, 1645), (860, 1651), (872, 1660), (890, 1699), (978, 1783), (987, 1798), (1031, 1858), (1062, 1888),

Gene: Seume_4 Start: 596, Stop: 2086, Start Num: 110

Candidate Starts for Seume_4:

(Start: 110 @596 has 45 MA's), (Start: 163 @641 has 17 MA's), (Start: 221 @743 has 1 MA's), (Start: 234 @761 has 4 MA's), (239, 770), (281, 821), (282, 824), (285, 833), (291, 863), (300, 890), (363, 989), (424, 1088), (432, 1112), (433, 1115), (434, 1118), (448, 1163), (549, 1313), (597, 1397), (623, 1445), (629, 1457), (651, 1496), (665, 1514), (678, 1526), (679, 1529), (693, 1550), (696, 1556), (702, 1568), (738, 1646), (777, 1700), (820, 1754), (830, 1766), (890, 1859), (978, 1943), (1017, 2000), (1073, 2069),

Gene: SgtBeansprout_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for SgtBeansprout_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: ShaboiShabazz_2 Start: 458, Stop: 1891, Start Num: 179

Candidate Starts for ShaboiShabazz_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Shaboozey_6 Start: 2259, Stop: 3791, Start Num: 163

Candidate Starts for Shaboozey_6:

(Start: 93 @2175 has 5 MA's), (126, 2217), (135, 2226), (Start: 163 @2259 has 17 MA's), (232, 2373), (284, 2469), (285, 2472), (296, 2517), (330, 2592), (413, 2703), (415, 2706), (426, 2742), (436, 2775), (581, 3024), (616, 3087), (630, 3114), (653, 3159), (719, 3273), (735, 3309), (753, 3339), (758, 3348), (809, 3402), (826, 3426), (1011, 3660), (1018, 3672),

Gene: Shadow1_6 Start: 1423, Stop: 2850, Start Num: 167

Candidate Starts for Shadow1_6:

(Start: 79 @1339 has 76 MA's), (Start: 167 @1423 has 168 MA's), (Start: 215 @1513 has 1 MA's), (Start: 229 @1537 has 18 MA's), (279, 1621), (283, 1630), (295, 1678), (302, 1696), (333, 1765), (359, 1804), (387, 1840), (431, 1918), (445, 1960), (447, 1969), (490, 2050), (539, 2098), (579, 2164), (606, 2206), (609, 2212), (613, 2224), (617, 2230), (631, 2254), (644, 2278), (648, 2284), (661, 2305), (709, 2374), (726, 2416), (794, 2509), (797, 2515), (800, 2518), (823, 2551), (843, 2581), (855, 2605), (890, 2653), (993, 2782), (1052, 2839), (1056, 2845),

Gene: Shagrat_8 Start: 5149, Stop: 6693, Start Num: 148

Candidate Starts for Shagrat_8:

(Start: 148 @5149 has 6 MA's), (335, 5524), (434, 5680), (436, 5692), (438, 5698), (448, 5725), (449, 5734), (467, 5776), (616, 6013), (664, 6088), (719, 6193), (735, 6229), (774, 6286), (806, 6334), (829, 6364), (903, 6466), (951, 6532), (985, 6583), (1045, 6652),

Gene: Shaobing_8 Start: 1660, Stop: 3090, Start Num: 167

Candidate Starts for Shaobing_8:

(Start: 108 @1618 has 144 MA's), (Start: 156 @1648 has 11 MA's), (Start: 167 @1660 has 168 MA's), (Start: 215 @1750 has 1 MA's), (Start: 229 @1774 has 18 MA's), (233, 1780), (254, 1819), (279, 1858), (283, 1867), (285, 1873), (295, 1915), (302, 1933), (315, 1951), (333, 2002), (367, 2050), (445, 2197), (447, 2206), (539, 2335), (579, 2401), (606, 2443), (609, 2449), (613, 2461), (631, 2491), (644, 2515), (661, 2542), (709, 2611), (726, 2653), (741, 2683), (755, 2707), (800, 2755), (843, 2818), (855, 2842), (890, 2893), (935, 2932), (993, 3022), (1029, 3061), (1052, 3079), (1056, 3085),

Gene: Sharkboy_3 Start: 943, Stop: 2562, Start Num: 137

Candidate Starts for Sharkboy_3:

(1, 409), (Start: 125 @937 has 6 MA's), (Start: 137 @943 has 81 MA's), (240, 1099), (293, 1189), (299, 1207), (307, 1222), (343, 1291), (362, 1315), (374, 1333), (416, 1390), (433, 1441), (434, 1444), (450, 1504), (456, 1525), (471, 1552), (488, 1582), (668, 1921), (737, 2044), (958, 2359), (987, 2398), (1080, 2515),

Gene: ShawBrad_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for ShawBrad_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (262, 853), (277, 886), (292, 937), (295, 946), (315, 982), (330, 1024), (337, 1045), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (491, 1330), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628,

1570), (648, 1603), (691, 1657), (743, 1759), (760, 1786), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Shawty_2 Start: 588, Stop: 2165, Start Num: 122

Candidate Starts for Shawty_2:

(Start: 122 @588 has 3 MA's), (242, 771), (243, 774), (283, 825), (285, 831), (295, 873), (299, 885), (331, 954), (343, 978), (345, 981), (366, 1008), (385, 1029), (418, 1062), (432, 1107), (444, 1146), (455, 1191), (458, 1197), (533, 1356), (575, 1467), (600, 1512), (619, 1557), (621, 1560), (693, 1680), (696, 1686), (771, 1839), (901, 2016), (937, 2043), (989, 2115), (1024, 2160),

Gene: Shayna_2 Start: 648, Stop: 2282, Start Num: 137

Candidate Starts for Shayna_2:

(Start: 137 @648 has 81 MA's), (203, 738), (217, 765), (299, 912), (343, 996), (375, 1041), (408, 1086), (416, 1095), (450, 1209), (471, 1257), (488, 1287), (498, 1302), (534, 1383), (693, 1671), (987, 2115), (1021, 2163), (1092, 2271),

Gene: ShedlockHolmes_7 Start: 1488, Stop: 2912, Start Num: 167

Candidate Starts for ShedlockHolmes_7:

(Start: 156 @1476 has 11 MA's), (Start: 167 @1488 has 168 MA's), (Start: 215 @1575 has 1 MA's), (Start: 229 @1599 has 18 MA's), (279, 1683), (283, 1692), (295, 1740), (302, 1758), (315, 1776), (333, 1827), (361, 1869), (367, 1875), (387, 1902), (431, 1980), (445, 2022), (447, 2031), (490, 2112), (501, 2130), (579, 2226), (609, 2274), (613, 2286), (631, 2316), (644, 2340), (651, 2352), (709, 2436), (726, 2478), (797, 2577), (800, 2580), (829, 2622), (838, 2637), (843, 2643), (853, 2664), (855, 2667), (993, 2844), (1056, 2907),

Gene: Shen_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Shen_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (Start: 221 @1072 has 1 MA's), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Sheng711_4 Start: 771, Stop: 2333, Start Num: 74

Candidate Starts for Sheng711_4:

(Start: 74 @771 has 76 MA's), (Start: 78 @777 has 19 MA's), (199, 927), (Start: 234 @993 has 4 MA's), (266, 1023), (281, 1047), (286, 1062), (296, 1104), (360, 1230), (433, 1368), (438, 1389), (447, 1413), (488, 1488), (515, 1536), (566, 1614), (576, 1635), (591, 1659), (595, 1665), (614, 1695), (616, 1701), (637, 1737), (709, 1827), (755, 1932), (760, 1941), (787, 1965), (801, 1986), (846, 2052), (913, 2154), (1017, 2274), (1021, 2280), (1040, 2301), (1055, 2325),

Gene: ShiaSurprise_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for ShiaSurprise_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Shida_31 Start: 13370, Stop: 14884, Start Num: 76

Candidate Starts for Shida_31:

(Start: 76 @13370 has 17 MA's), (Start: 78 @13373 has 19 MA's), (Start: 215 @13553 has 1 MA's), (269, 13646), (270, 13649), (294, 13721), (310, 13754), (323, 13781), (333, 13811), (431, 13964),

(433, 13970), (445, 14006), (447, 14015), (490, 14096), (495, 14105), (497, 14108), (540, 14147), (576, 14204), (596, 14240), (601, 14243), (706, 14399), (709, 14408), (737, 14477), (741, 14486), (746, 14492), (769, 14525), (800, 14561), (855, 14648), (871, 14669), (932, 14732), (935, 14735), (938, 14738), (947, 14756), (963, 14777), (993, 14819), (1026, 14855), (1047, 14867),

Gene: Shipwreck_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for Shipwreck_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (569, 1325), (676, 1478), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: Shlim410_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Shlim410_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (488, 1008), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (821, 1536), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (980, 1785), (1020, 1827),

Gene: Shoya_2 Start: 342, Stop: 1781, Start Num: 173

Candidate Starts for Shoya_2:

(Start: 173 @342 has 4 MA's), (Start: 215 @417 has 1 MA's), (281, 525), (283, 531), (287, 549), (294, 576), (295, 579), (325, 642), (333, 666), (386, 744), (415, 774), (434, 834), (445, 867), (447, 876), (449, 888), (464, 918), (466, 921), (490, 957), (497, 969), (573, 1077), (588, 1104), (648, 1203), (707, 1284), (720, 1320), (734, 1350), (737, 1356), (760, 1395), (772, 1407), (787, 1422), (794, 1431), (797, 1437), (855, 1527), (942, 1623),

Gene: ShrimpFriedEgg_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for ShrimpFriedEgg_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Shweta_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for Shweta_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (232, 635), (Start: 234 @638 has 4 MA's), (274, 686), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Sidious_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Sidious_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (393, 798), (415, 819), (445, 912), (450, 936), (468, 978), (528, 1071), (569, 1137), (589, 1179), (644, 1254), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (800, 1506), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (896, 1665), (904, 1677), (906, 1680), (950, 1743), (980, 1785), (1020, 1827), (1046, 1857),

Gene: Silvafighter_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Silvafighter_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: SilverChicken_3 Start: 663, Stop: 2183, Start Num: 154

Candidate Starts for SilverChicken_3:

(121, 651), (Start: 154 @663 has 85 MA's), (Start: 229 @789 has 18 MA's), (235, 798), (262, 843), (275, 873), (277, 876), (281, 882), (292, 927), (300, 951), (315, 972), (330, 1014), (337, 1035), (356, 1062), (368, 1080), (371, 1083), (387, 1107), (415, 1134), (433, 1191), (445, 1227), (447, 1236), (449, 1248), (451, 1254), (460, 1269), (466, 1281), (482, 1308), (487, 1314), (491, 1320), (515, 1356), (520, 1365), (542, 1395), (555, 1425), (556, 1428), (610, 1524), (613, 1533), (628, 1560), (685, 1644), (701, 1659), (755, 1770), (760, 1779), (769, 1788), (821, 1851), (868, 1926), (873, 1938), (890, 1956), (932, 1992), (962, 2034), (966, 2040), (993, 2082), (1004, 2094), (1012, 2106), (1071, 2172),

Gene: Silverleaf_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Silverleaf_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Silvy_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Silvy_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: SimranZ1_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for SimranZ1_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Sippinontea_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Sippinontea_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053,

2523),

Gene: SirBeanington_3 Start: 677, Stop: 2305, Start Num: 137

Candidate Starts for SirBeanington_3:

(Start: 137 @677 has 81 MA's), (240, 833), (299, 941), (343, 1025), (362, 1049), (374, 1067), (416, 1124), (433, 1175), (434, 1178), (450, 1238), (455, 1256), (471, 1286), (488, 1316), (731, 1772), (738, 1787), (987, 2138), (1021, 2186), (1092, 2294),

Gene: SirPhilip_7 Start: 1382, Stop: 2806, Start Num: 167

Candidate Starts for SirPhilip_7:

(Start: 79 @1298 has 76 MA's), (Start: 156 @1370 has 11 MA's), (Start: 167 @1382 has 168 MA's), (Start: 215 @1469 has 1 MA's), (Start: 229 @1493 has 18 MA's), (233, 1499), (279, 1577), (283, 1586), (295, 1634), (302, 1652), (315, 1670), (323, 1691), (333, 1721), (334, 1724), (445, 1916), (447, 1925), (490, 2006), (579, 2120), (606, 2162), (609, 2168), (613, 2180), (631, 2210), (644, 2234), (651, 2246), (661, 2261), (709, 2330), (726, 2372), (797, 2471), (800, 2474), (821, 2504), (823, 2507), (846, 2543), (855, 2561), (993, 2738), (1052, 2795), (1056, 2801),

Gene: Sizemore_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Sizemore_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Skinny_15 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for Skinny_15:

(Start: 98 @4718 has 36 MA's), (141, 4766), (232, 4907), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: SkinnyPete_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for SkinnyPete_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (232, 635), (Start: 234 @638 has 4 MA's), (274, 686), (288, 722), (291, 737), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Skitty_2 Start: 424, Stop: 1761, Start Num: 229

Candidate Starts for Skitty_2:

(Start: 170 @316 has 1 MA's), (Start: 229 @424 has 18 MA's), (233, 430), (252, 466), (256, 472), (333, 658), (336, 667), (430, 805), (434, 820), (445, 853), (447, 862), (448, 865), (460, 895), (461, 898), (464, 904), (466, 907), (490, 943), (609, 1102), (613, 1114), (671, 1210), (704, 1252), (707, 1261), (711, 1273), (746, 1357), (800, 1423), (821, 1453), (823, 1456), (829, 1465), (847, 1492), (863, 1522), (872, 1537), (993, 1693),

Gene: Skylord_2 Start: 593, Stop: 2155, Start Num: 137

Candidate Starts for Skylord_2:

(Start: 137 @593 has 81 MA's), (Start: 211 @701 has 2 MA's), (240, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (369, 977), (416, 1040), (450, 1154), (476, 1214), (488, 1232), (606, 1460), (625, 1505), (715, 1643), (952, 1970), (1084, 2144), (1086, 2147),

Gene: Slarp_9 Start: 2478, Stop: 3920, Start Num: 167

Candidate Starts for Slarp_9:

(Start: 167 @2478 has 168 MA's), (Start: 229 @2583 has 18 MA's), (279, 2667), (283, 2676), (291, 2712), (295, 2724), (300, 2739), (315, 2766), (333, 2817), (340, 2835), (367, 2865), (387, 2892), (431, 2970), (447, 3021), (448, 3024), (490, 3102), (495, 3111), (539, 3150), (579, 3216), (609, 3264), (631, 3306), (709, 3423), (725, 3465), (741, 3510), (797, 3579), (829, 3624), (843, 3645), (855, 3669), (993, 3846), (1052, 3909), (1056, 3915),

Gene: Slay_3 Start: 1159, Stop: 2781, Start Num: 137

Candidate Starts for Slay_3:

(Start: 137 @1159 has 81 MA's), (240, 1315), (299, 1423), (307, 1438), (326, 1468), (334, 1492), (343, 1507), (367, 1540), (416, 1606), (433, 1657), (434, 1660), (450, 1720), (488, 1798), (731, 2248), (738, 2263), (987, 2614), (1092, 2770),

Gene: Sleepyhead_2 Start: 439, Stop: 1917, Start Num: 138

Candidate Starts for Sleepyhead_2:

(Start: 138 @439 has 1 MA's), (299, 712), (342, 808), (433, 967), (434, 970), (509, 1126), (604, 1243), (638, 1309), (751, 1486), (759, 1498), (800, 1537), (813, 1555), (822, 1567), (848, 1609), (874, 1654), (1027, 1864),

Gene: Slentz_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Slentz_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Slim_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Slim_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: SlimJimmy_13 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for SlimJimmy_13:

(Start: 98 @4718 has 36 MA's), (141, 4766), (232, 4907), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: Slimphazie_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for Slimphazie_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Slizam_3 Start: 1113, Stop: 2573, Start Num: 108

Candidate Starts for Slizam_3:

(Start: 108 @1113 has 144 MA's), (Start: 114 @1119 has 2 MA's), (Start: 236 @1281 has 15 MA's), (240, 1290), (282, 1350), (303, 1419), (319, 1440), (337, 1491), (449, 1695), (550, 1830), (590, 1908), (601, 1923), (610, 1941), (619, 1959), (642, 2001), (664, 2034), (679, 2052), (737, 2172), (738, 2175), (746, 2187), (751, 2199), (760, 2211), (803, 2262), (858, 2319), (862, 2325), (867, 2334), (872, 2343), (873, 2346), (1010, 2508), (1015, 2517), (1021, 2526), (1053, 2565),

Gene: Smilerella_2 Start: 176, Stop: 1804, Start Num: 148

Candidate Starts for Smilerella_2:

(Start: 148 @176 has 6 MA's), (186, 224), (206, 278), (260, 380), (263, 389), (279, 422), (291, 467), (295, 479), (309, 515), (322, 527), (339, 575), (369, 620), (378, 632), (416, 686), (431, 731), (447, 782), (453, 806), (464, 833), (550, 971), (568, 1007), (604, 1067), (734, 1307), (791, 1409), (798, 1421), (837, 1475), (859, 1511), (861, 1514), (883, 1559), (901, 1589), (925, 1607), (1034, 1751), (1051, 1778),

Gene: Smooch_33 Start: 14621, Stop: 16135, Start Num: 76

Candidate Starts for Smooch_33:

(Start: 76 @14621 has 17 MA's), (Start: 78 @14624 has 19 MA's), (Start: 215 @14804 has 1 MA's), (269, 14897), (294, 14972), (310, 15005), (323, 15032), (333, 15062), (431, 15215), (433, 15221), (445, 15257), (447, 15266), (490, 15347), (495, 15356), (497, 15359), (540, 15398), (576, 15455), (596, 15491), (601, 15494), (706, 15650), (709, 15659), (737, 15728), (741, 15737), (746, 15743), (769, 15776), (800, 15812), (855, 15899), (871, 15920), (932, 15983), (935, 15986), (938, 15989), (947, 16007), (963, 16028), (993, 16070), (1026, 16106), (1047, 16118),

Gene: Smurph_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Smurph_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Sneeze_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for Sneeze_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Snekmaggedon_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for Snekmaggedon_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Snenia_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for Snenia_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655),

(413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: Snuffles_4 Start: 1283, Stop: 2743, Start Num: 108

Candidate Starts for Snuffles_4:

(Start: 108 @1283 has 144 MA's), (Start: 114 @1289 has 2 MA's), (Start: 236 @1451 has 15 MA's), (240, 1460), (282, 1520), (303, 1589), (319, 1610), (337, 1661), (449, 1865), (550, 2000), (601, 2093), (610, 2111), (619, 2129), (642, 2171), (664, 2204), (679, 2222), (737, 2342), (738, 2345), (746, 2357), (751, 2369), (760, 2381), (803, 2432), (858, 2489), (862, 2495), (867, 2504), (872, 2513), (873, 2516), (1010, 2678), (1015, 2687), (1021, 2696), (1053, 2735),

Gene: SoJulia_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for SoJulia_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: SoSeph_6 Start: 1347, Stop: 2774, Start Num: 175

Candidate Starts for SoSeph_6:

(Start: 79 @1254 has 76 MA's), (Start: 175 @1347 has 25 MA's), (204, 1404), (Start: 215 @1425 has 1 MA's), (Start: 229 @1449 has 18 MA's), (279, 1533), (283, 1542), (285, 1548), (295, 1590), (302, 1608), (315, 1626), (333, 1677), (387, 1752), (431, 1830), (445, 1872), (447, 1881), (448, 1884), (490, 1962), (579, 2076), (609, 2124), (631, 2166), (644, 2190), (651, 2202), (671, 2229), (705, 2274), (709, 2286), (794, 2433), (821, 2472), (855, 2529), (872, 2553), (890, 2577), (919, 2601), (989, 2700), (993, 2706), (1052, 2763),

Gene: Soap141_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Soap141_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Softsoap_3 Start: 689, Stop: 2317, Start Num: 137

Candidate Starts for Softsoap_3:

(Start: 137 @689 has 81 MA's), (240, 845), (299, 953), (307, 968), (343, 1037), (374, 1079), (416, 1136), (433, 1187), (434, 1190), (450, 1250), (455, 1268), (471, 1298), (488, 1328), (731, 1784), (738, 1799), (987, 2150), (1021, 2198), (1092, 2306),

Gene: SoilAssassin_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for SoilAssassin_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Soilmate_2 Start: 360, Stop: 1958, Start Num: 128

Candidate Starts for Soilmate_2:

(Start: 102 @333 has 55 MA's), (Start: 122 @354 has 3 MA's), (Start: 128 @360 has 39 MA's), (210, 474), (214, 483), (238, 516), (247, 534), (257, 549), (272, 570), (282, 591), (299, 654), (315, 690), (329, 726), (333, 738), (346, 768), (360, 780), (362, 783), (468, 1002), (477, 1017), (488, 1032), (490, 1035), (544, 1110), (569, 1161), (676, 1317), (691, 1338), (693, 1341), (730, 1428), (737, 1440), (758, 1473), (760, 1476), (794, 1515), (800, 1524), (846, 1593), (847, 1596), (878, 1656), (881, 1659), (884, 1668), (936, 1737), (1078, 1941),

Gene: Solea_4 Start: 1046, Stop: 2674, Start Num: 137

Candidate Starts for Solea_4:

(Start: 42 @932 has 1 MA's), (80, 986), (Start: 137 @1046 has 81 MA's), (240, 1202), (299, 1310), (343, 1394), (362, 1418), (374, 1436), (416, 1493), (433, 1544), (434, 1547), (450, 1607), (455, 1625), (471, 1655), (488, 1685), (731, 2141), (738, 2156), (987, 2507), (1021, 2555), (1092, 2663),

Gene: Solid_2 Start: 377, Stop: 1888, Start Num: 153

Candidate Starts for Solid_2:

(Start: 153 @377 has 41 MA's), (184, 416), (194, 434), (Start: 208 @461 has 2 MA's), (217, 479), (Start: 234 @506 has 4 MA's), (Start: 236 @509 has 15 MA's), (278, 557), (283, 566), (285, 572), (294, 611), (296, 617), (315, 650), (323, 668), (331, 692), (333, 698), (350, 737), (353, 746), (355, 749), (381, 788), (383, 791), (419, 860), (432, 905), (433, 908), (438, 929), (445, 944), (447, 953), (479, 1025), (492, 1043), (493, 1046), (499, 1052), (508, 1067), (551, 1133), (567, 1154), (589, 1178), (616, 1226), (658, 1292), (683, 1325), (704, 1355), (718, 1397), (760, 1475), (769, 1484), (789, 1496), (811, 1529), (826, 1550), (829, 1553), (831, 1556), (841, 1568), (859, 1598), (863, 1604), (875, 1625), (893, 1646), (909, 1667), (938, 1703), (940, 1706), (946, 1718), (997, 1796), (1004, 1805), (1008, 1811), (1013, 1820), (1058, 1874), (1063, 1880),

Gene: Sonah_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Sonah_2:

(Start: 51 @413 has 50 MA's), (Start: 137 @524 has 81 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (745, 1622), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Soul22_3 Start: 663, Stop: 2183, Start Num: 154

Candidate Starts for Soul22_3:

(121, 651), (Start: 154 @663 has 85 MA's), (Start: 229 @789 has 18 MA's), (235, 798), (262, 843), (275, 873), (277, 876), (281, 882), (292, 927), (300, 951), (315, 972), (330, 1014), (337, 1035), (356, 1062), (368, 1080), (371, 1083), (387, 1107), (415, 1134), (433, 1191), (445, 1227), (447, 1236), (449, 1248), (451, 1254), (460, 1269), (466, 1281), (487, 1314), (491, 1320), (515, 1356), (520, 1365), (542, 1395), (555, 1425), (556, 1428), (610, 1524), (613, 1533), (628, 1560), (685, 1644), (701, 1659), (755, 1770), (760, 1779), (769, 1788), (821, 1851), (868, 1926), (873, 1938), (890, 1956), (932, 1992), (962, 2034), (966, 2040), (993, 2082), (1004, 2094), (1012, 2106), (1071, 2172),

Gene: Sourignavong_5 Start: 901, Stop: 2391, Start Num: 110

Candidate Starts for Sourignavong_5:

(Start: 110 @901 has 45 MA's), (Start: 163 @946 has 17 MA's), (Start: 212 @1030 has 10 MA's), (Start: 221 @1048 has 1 MA's), (Start: 234 @1066 has 4 MA's), (239, 1075), (281, 1126), (282, 1129), (285, 1138), (291, 1168), (300, 1195), (363, 1294), (424, 1393), (432, 1417), (433, 1420), (434, 1423), (448, 1468), (597, 1702), (623, 1750), (629, 1762), (651, 1801), (665, 1819), (678, 1831), (679, 1834), (693, 1855), (696, 1861), (702, 1873), (738, 1951), (777, 2005), (820, 2059), (830, 2071), (890, 2164), (978, 2248), (1017, 2305), (1073, 2374),

Gene: Spartan_2 Start: 389, Stop: 1936, Start Num: 127

Candidate Starts for Spartan_2:

(127, 389), (139, 398), (144, 404), (183, 449), (230, 542), (238, 551), (255, 581), (289, 659), (291, 665), (329, 749), (413, 863), (426, 902), (432, 920), (445, 959), (457, 1004), (462, 1013), (468, 1025), (495, 1073), (504, 1088), (579, 1220), (585, 1232), (589, 1241), (617, 1274), (653, 1334), (678, 1364), (689, 1382), (704, 1397), (705, 1400), (736, 1478), (751, 1505), (757, 1511), (794, 1556), (819, 1592), (843, 1628), (959, 1811), (975, 1832), (980, 1841), (990, 1859), (1004, 1877), (1008, 1883), (1025, 1898),

Gene: Spartoi_2 Start: 378, Stop: 1808, Start Num: 170

Candidate Starts for Spartoi_2:

(Start: 113 @339 has 11 MA's), (129, 357), (Start: 170 @378 has 1 MA's), (213, 450), (Start: 229 @474 has 18 MA's), (252, 516), (269, 543), (287, 591), (290, 606), (315, 657), (333, 708), (337, 720), (430, 855), (434, 870), (445, 903), (447, 912), (448, 915), (464, 954), (466, 957), (609, 1152), (631, 1197), (707, 1302), (760, 1422), (800, 1464), (815, 1485), (823, 1497), (872, 1581), (880, 1596), (983, 1719), (1013, 1764),

Gene: Spikelee_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Spikelee_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Spinach_2 Start: 512, Stop: 2044, Start Num: 160

Candidate Starts for Spinach_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616, 1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Splinter_7 Start: 3467, Stop: 5074, Start Num: 111

Candidate Starts for Splinter_7:

(Start: 52 @3389 has 3 MA's), (Start: 111 @3467 has 6 MA's), (283, 3695), (310, 3779), (326, 3800), (333, 3821), (416, 3959), (434, 4013), (460, 4100), (461, 4103), (476, 4133), (564, 4238), (619, 4340), (695, 4463), (725, 4550), (731, 4565), (738, 4580), (781, 4643), (835, 4712), (860, 4754), (873, 4778), (901, 4829), (902, 4832), (933, 4865), (987, 4931), (1024, 4982), (1084, 5060), (1087, 5066),

Gene: Spock_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Spock_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: SpongeBob_2 Start: 509, Stop: 2044, Start Num: 157

Candidate Starts for SpongeBob_2:

(Start: 157 @509 has 25 MA's), (Start: 160 @512 has 23 MA's), (Start: 177 @527 has 1 MA's), (204, 584), (Start: 212 @602 has 10 MA's), (218, 614), (274, 686), (288, 722), (293, 743), (323, 806), (386, 926), (426, 1010), (448, 1076), (488, 1148), (490, 1151), (497, 1163), (570, 1289), (581, 1313), (616,

1376), (671, 1460), (707, 1517), (712, 1532), (744, 1607), (754, 1625), (859, 1769), (881, 1790), (910, 1823), (920, 1838), (951, 1874), (1009, 1952), (1011, 1955), (1014, 1961),

Gene: Spooky_3 Start: 672, Stop: 2189, Start Num: 154

Candidate Starts for Spooky_3:

(124, 663), (Start: 154 @672 has 85 MA's), (222, 789), (Start: 229 @798 has 18 MA's), (235, 807), (277, 885), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (340, 1050), (356, 1071), (368, 1089), (371, 1092), (373, 1095), (387, 1116), (415, 1143), (433, 1200), (438, 1221), (449, 1257), (451, 1263), (460, 1278), (466, 1290), (491, 1329), (544, 1410), (564, 1452), (610, 1533), (613, 1542), (628, 1569), (651, 1608), (671, 1635), (691, 1656), (743, 1758), (760, 1785), (868, 1932), (873, 1944), (890, 1962), (962, 2040), (964, 2043), (966, 2046), (993, 2088), (1004, 2100), (1012, 2112),

Gene: Sprinklemunch_2 Start: 432, Stop: 1991, Start Num: 151

Candidate Starts for Sprinklemunch_2:

(Start: 111 @390 has 6 MA's), (Start: 151 @432 has 5 MA's), (198, 498), (230, 558), (238, 567), (261, 606), (333, 777), (334, 780), (346, 807), (362, 822), (410, 876), (433, 939), (447, 984), (450, 999), (468, 1041), (488, 1071), (490, 1074), (528, 1134), (537, 1164), (543, 1182), (544, 1185), (657, 1374), (689, 1413), (704, 1431), (707, 1440), (709, 1446), (730, 1503), (737, 1515), (758, 1548), (760, 1551), (797, 1596), (800, 1599), (812, 1617), (819, 1626), (846, 1668), (853, 1686), (895, 1758), (908, 1776), (910, 1779), (936, 1812), (955, 1845), (976, 1875), (1005, 1914),

Gene: Sproutie_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Sproutie_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Sputnik_3 Start: 604, Stop: 2115, Start Num: 104

Candidate Starts for Sputnik_3:

(Start: 77 @562 has 24 MA's), (Start: 104 @604 has 2 MA's), (Start: 221 @763 has 1 MA's), (248, 808), (283, 847), (285, 853), (291, 883), (295, 895), (302, 913), (363, 1009), (424, 1108), (432, 1132), (433, 1135), (448, 1183), (455, 1213), (465, 1228), (470, 1237), (474, 1246), (489, 1270), (604, 1426), (607, 1429), (629, 1477), (668, 1537), (677, 1546), (693, 1573), (718, 1624), (768, 1711), (786, 1729), (836, 1801), (871, 1843), (872, 1846), (884, 1876), (922, 1909), (925, 1912), (941, 1930),

Gene: Squiddly_4 Start: 1362, Stop: 2879, Start Num: 154

Candidate Starts for Squiddly_4:

(124, 1353), (Start: 154 @1362 has 85 MA's), (222, 1479), (Start: 229 @1488 has 18 MA's), (235, 1497), (270, 1560), (277, 1575), (283, 1587), (292, 1626), (314, 1668), (315, 1671), (330, 1713), (340, 1740), (356, 1761), (368, 1779), (371, 1782), (373, 1785), (387, 1806), (415, 1833), (433, 1890), (449, 1947), (451, 1953), (460, 1968), (466, 1980), (544, 2100), (564, 2142), (610, 2223), (613, 2232), (628, 2259), (651, 2298), (671, 2325), (691, 2346), (743, 2448), (760, 2475), (868, 2622), (873, 2634), (890, 2652), (962, 2730), (964, 2733), (966, 2736), (993, 2778), (1004, 2790), (1012, 2802),

Gene: Squint_10 Start: 3458, Stop: 4990, Start Num: 163

Candidate Starts for Squint_10:

(Start: 93 @3374 has 5 MA's), (126, 3416), (135, 3425), (Start: 163 @3458 has 17 MA's), (232, 3572), (268, 3635), (284, 3668), (285, 3671), (296, 3716), (330, 3791), (333, 3800), (413, 3902), (415, 3905), (426, 3941), (436, 3974), (581, 4223), (616, 4286), (630, 4313), (719, 4472), (735, 4508), (753, 4538), (758, 4547), (809, 4601), (826, 4625), (1011, 4859), (1018, 4871),

Gene: Squirrel_3 Start: 953, Stop: 2530, Start Num: 137

Candidate Starts for Squirrel_3:

(Start: 137 @953 has 81 MA's), (Start: 162 @980 has 1 MA's), (217, 1070), (240, 1109), (282, 1154), (299, 1217), (307, 1232), (337, 1295), (433, 1451), (450, 1514), (475, 1571), (476, 1574), (488, 1592), (498, 1607), (610, 1829), (642, 1892), (653, 1916), (693, 1967), (694, 1970), (702, 1979), (715, 2003), (737, 2057), (753, 2087), (794, 2135), (896, 2273), (952, 2345), (1017, 2432), (1031, 2450), (1086, 2522),

Gene: Squirty_3 Start: 670, Stop: 2157, Start Num: 154

Candidate Starts for Squirty_3:

(121, 658), (Start: 154 @670 has 85 MA's), (Start: 229 @796 has 18 MA's), (233, 802), (256, 844), (262, 850), (277, 883), (281, 889), (283, 895), (292, 934), (300, 958), (314, 976), (315, 979), (330, 1021), (337, 1042), (356, 1069), (363, 1078), (368, 1087), (371, 1090), (415, 1141), (433, 1198), (438, 1219), (447, 1243), (449, 1255), (460, 1276), (466, 1288), (487, 1321), (491, 1327), (540, 1396), (542, 1402), (556, 1435), (574, 1471), (610, 1531), (613, 1540), (628, 1567), (681, 1645), (731, 1741), (760, 1786), (821, 1858), (845, 1897), (868, 1933), (871, 1939), (890, 1963), (924, 1993), (932, 1999), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: StAB_2 Start: 376, Stop: 1959, Start Num: 128

Candidate Starts for StAB_2:

(Start: 125 @373 has 6 MA's), (Start: 128 @376 has 39 MA's), (Start: 138 @382 has 1 MA's), (187, 442), (243, 550), (245, 553), (281, 631), (284, 640), (367, 814), (429, 916), (432, 925), (434, 931), (435, 940), (453, 1000), (475, 1048), (476, 1051), (545, 1114), (592, 1207), (722, 1429), (729, 1447), (756, 1492), (776, 1534), (802, 1570), (814, 1585), (832, 1612), (834, 1615), (844, 1630), (866, 1663), (873, 1678), (899, 1726), (937, 1756), (953, 1774), (1006, 1849), (1067, 1924), (1081, 1948),

Gene: Stap_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Stap_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Starcevich_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Starcevich_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Stargaze_2 Start: 344, Stop: 1912, Start Num: 77

Candidate Starts for Stargaze_2:

(Start: 77 @344 has 24 MA's), (282, 647), (295, 698), (315, 734), (336, 794), (430, 947), (431, 953), (433, 959), (445, 995), (449, 1016), (464, 1046), (490, 1085), (495, 1094), (609, 1247), (623, 1277), (651, 1322), (652, 1325), (709, 1403), (718, 1427), (741, 1472), (800, 1553), (823, 1586), (829, 1595), (838, 1610), (843, 1616), (846, 1622), (919, 1712), (930, 1724), (932, 1727), (993, 1820), (1052, 1901),

Gene: Stem_3 Start: 1113, Stop: 2573, Start Num: 108

Candidate Starts for Stem_3:

(Start: 108 @1113 has 144 MA's), (Start: 114 @1119 has 2 MA's), (Start: 236 @1281 has 15 MA's), (240, 1290), (282, 1350), (303, 1419), (319, 1440), (337, 1491), (449, 1695), (550, 1830), (590, 1908), (601, 1923), (610, 1941), (619, 1959), (642, 2001), (664, 2034), (679, 2052), (737, 2172), (738, 2175), (746, 2187), (751, 2199), (760, 2211), (803, 2262), (858, 2319), (862, 2325), (867, 2334), (872, 2343), (873, 2346), (1010, 2508), (1015, 2517), (1021, 2526), (1053, 2565),

Gene: StevieRay_2 Start: 401, Stop: 2077, Start Num: 51

Candidate Starts for StevieRay_2:

(Start: 51 @401 has 50 MA's), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (336, 887), (341, 899), (404, 989), (476, 1178), (544, 1274), (558, 1304), (569, 1325), (660, 1466), (676, 1478), (707, 1523), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (904, 1856), (914, 1871), (1067, 2060),

Gene: StewieGriff_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for StewieGriff_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (239, 974), (281, 1025), (285, 1037), (291, 1067), (295, 1079), (300, 1094), (334, 1160), (370, 1205), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (454, 1391), (459, 1400), (496, 1466), (555, 1529), (561, 1541), (585, 1583), (597, 1601), (629, 1661), (665, 1718), (678, 1730), (693, 1754), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (835, 1979), (884, 2054), (890, 2063), (925, 2090), (978, 2147), (1015, 2201), (1073, 2273),

Gene: Stiles_2 Start: 373, Stop: 1959, Start Num: 125

Candidate Starts for Stiles_2:

(Start: 125 @373 has 6 MA's), (Start: 128 @376 has 39 MA's), (Start: 138 @382 has 1 MA's), (245, 553), (281, 631), (284, 640), (367, 814), (429, 916), (432, 925), (434, 931), (435, 940), (453, 1000), (475, 1048), (476, 1051), (545, 1114), (592, 1207), (722, 1429), (729, 1447), (756, 1492), (776, 1534), (802, 1570), (814, 1585), (832, 1612), (834, 1615), (844, 1630), (847, 1636), (866, 1663), (873, 1678), (899, 1726), (953, 1774), (1006, 1849), (1067, 1924), (1081, 1948),

Gene: Stinson_8 Start: 1568, Stop: 2989, Start Num: 167

Candidate Starts for Stinson_8:

(88, 1496), (Start: 156 @1556 has 11 MA's), (Start: 167 @1568 has 168 MA's), (Start: 229 @1679 has 18 MA's), (233, 1685), (279, 1763), (283, 1772), (295, 1820), (302, 1838), (315, 1856), (333, 1907), (361, 1949), (367, 1955), (387, 1982), (388, 1985), (431, 2060), (445, 2102), (447, 2111), (490, 2192), (579, 2306), (609, 2354), (613, 2366), (631, 2396), (644, 2420), (651, 2432), (661, 2447), (709, 2516), (800, 2660), (823, 2693), (855, 2747), (993, 2924), (1052, 2978),

Gene: Stoor_3 Start: 957, Stop: 2582, Start Num: 137

Candidate Starts for Stoor_3:

(Start: 137 @957 has 81 MA's), (240, 1113), (285, 1167), (299, 1221), (307, 1236), (343, 1305), (375, 1350), (416, 1404), (433, 1455), (434, 1458), (450, 1518), (455, 1536), (456, 1539), (471, 1566), (488, 1596), (564, 1758), (694, 1974), (731, 2049), (737, 2061), (987, 2415), (1021, 2463),

Gene: Stormborn_2 Start: 379, Stop: 1890, Start Num: 153

Candidate Starts for Stormborn_2:

(Start: 153 @379 has 41 MA's), (194, 436), (217, 481), (Start: 234 @508 has 4 MA's), (Start: 236 @511 has 15 MA's), (278, 559), (283, 568), (285, 574), (291, 604), (294, 613), (296, 619), (315, 652), (323, 670), (331, 694), (333, 700), (350, 739), (353, 748), (355, 751), (381, 790), (383, 793), (413, 853), (419, 862), (432, 907), (433, 910), (438, 931), (445, 946), (449, 967), (479, 1027), (490, 1042), (492, 1045), (493, 1048), (551, 1135), (589, 1180), (616, 1228), (653, 1288), (658, 1294), (683, 1327), (693, 1345),

(704, 1357), (760, 1477), (769, 1486), (811, 1531), (826, 1552), (829, 1555), (831, 1558), (841, 1570), (849, 1585), (859, 1600), (862, 1603), (872, 1621), (875, 1627), (938, 1705), (940, 1708), (946, 1720), (1004, 1807), (1021, 1828), (1027, 1834), (1058, 1876), (1063, 1882),

Gene: Stratus_4 Start: 874, Stop: 2364, Start Num: 110

Candidate Starts for Stratus_4:

(Start: 110 @874 has 45 MA's), (Start: 163 @919 has 17 MA's), (Start: 221 @1021 has 1 MA's), (Start: 234 @1039 has 4 MA's), (239, 1048), (281, 1099), (282, 1102), (285, 1111), (291, 1141), (300, 1168), (363, 1267), (424, 1366), (432, 1390), (433, 1393), (434, 1396), (448, 1441), (597, 1675), (623, 1723), (629, 1735), (651, 1774), (665, 1792), (678, 1804), (679, 1807), (693, 1828), (696, 1834), (702, 1846), (738, 1924), (777, 1978), (820, 2032), (830, 2044), (860, 2089), (890, 2137), (978, 2221), (1017, 2278), (1073, 2347),

Gene: StrawberryLem_2 Start: 349, Stop: 1851, Start Num: 99

Candidate Starts for StrawberryLem_2:

(Start: 99 @349 has 4 MA's), (121, 373), (Start: 221 @508 has 1 MA's), (231, 520), (Start: 234 @526 has 4 MA's), (239, 535), (285, 598), (291, 628), (294, 637), (300, 655), (363, 754), (370, 766), (396, 799), (433, 880), (448, 928), (484, 1009), (585, 1144), (623, 1210), (629, 1222), (648, 1255), (665, 1279), (738, 1411), (753, 1438), (830, 1531), (884, 1615), (890, 1624), (978, 1708), (987, 1723), (1031, 1783), (1062, 1813),

Gene: StressBall_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for StressBall_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Strobilo_4 Start: 652, Stop: 2076, Start Num: 167

Candidate Starts for Strobilo_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (361, 1024), (367, 1030), (387, 1057), (432, 1138), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (652, 1510), (705, 1576), (709, 1588), (726, 1630), (741, 1660), (757, 1687), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (1052, 2065),

Gene: Stromboli_3 Start: 957, Stop: 2582, Start Num: 137

Candidate Starts for Stromboli_3:

(Start: 137 @957 has 81 MA's), (240, 1113), (285, 1167), (299, 1221), (307, 1236), (343, 1305), (375, 1350), (416, 1404), (433, 1455), (434, 1458), (450, 1518), (455, 1536), (456, 1539), (471, 1566), (488, 1596), (564, 1758), (694, 1974), (731, 2049), (737, 2061), (987, 2415), (1021, 2463),

Gene: StuartMinion_2 Start: 373, Stop: 1995, Start Num: 98

Candidate Starts for StuartMinion_2:

(Start: 85 @352 has 13 MA's), (Start: 98 @373 has 36 MA's), (Start: 212 @514 has 10 MA's), (281, 604), (285, 616), (293, 652), (299, 670), (337, 748), (416, 853), (434, 907), (435, 916), (450, 967), (458, 991), (476, 1027), (490, 1048), (527, 1123), (564, 1207), (693, 1423), (702, 1435), (716, 1462), (731, 1501), (735, 1507), (755, 1546), (790, 1585), (814, 1618), (844, 1663), (920, 1780), (952, 1816), (967, 1834), (1017, 1903), (1021, 1909), (1041, 1930), (1080, 1981), (1082, 1984),

Gene: Stuck_2 Start: 488, Stop: 2038, Start Num: 155

Candidate Starts for Stuck_2:

(Start: 155 @488 has 8 MA's), (Start: 166 @500 has 1 MA's), (204, 566), (Start: 212 @584 has 10 MA's), (282, 677), (299, 740), (323, 785), (334, 818), (374, 881), (390, 914), (413, 950), (426, 989), (432, 1004), (445, 1043), (448, 1055), (452, 1073), (463, 1088), (488, 1127), (570, 1268), (581, 1292), (609, 1334), (681, 1454), (707, 1496), (712, 1511), (720, 1535), (759, 1610), (783, 1640), (859, 1754), (920, 1844), (951, 1880), (961, 1895), (1005, 1952), (1011, 1961), (1014, 1967), (1022, 1979), (1032, 1988), (1054, 2015),

Gene: Studio_4 Start: 1055, Stop: 2593, Start Num: 136

Candidate Starts for Studio_4:

(Start: 136 @1055 has 6 MA's), (142, 1061), (183, 1100), (Start: 212 @1154 has 10 MA's), (285, 1259), (308, 1322), (341, 1409), (447, 1649), (449, 1661), (477, 1718), (570, 1877), (616, 1964), (649, 2027), (927, 2396),

Gene: Suerte_2 Start: 318, Stop: 1877, Start Num: 102

Candidate Starts for Suerte_2:

(Start: 61 @258 has 1 MA's), (Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (447, 921), (450, 936), (528, 1071), (569, 1137), (589, 1179), (640, 1248), (644, 1254), (676, 1293), (689, 1314), (709, 1344), (716, 1365), (735, 1410), (757, 1446), (758, 1449), (796, 1491), (821, 1527), (876, 1620), (906, 1671), (980, 1776), (1001, 1800), (1064, 1860),

Gene: Sulley_8 Start: 1575, Stop: 2996, Start Num: 167

Candidate Starts for Sulley_8:

(88, 1503), (Start: 156 @1563 has 11 MA's), (Start: 167 @1575 has 168 MA's), (Start: 229 @1686 has 18 MA's), (233, 1692), (279, 1770), (283, 1779), (295, 1827), (302, 1845), (333, 1914), (361, 1956), (367, 1962), (445, 2109), (447, 2118), (501, 2217), (579, 2313), (609, 2361), (613, 2373), (631, 2403), (644, 2427), (651, 2439), (661, 2454), (709, 2523), (800, 2667), (855, 2754), (993, 2931), (1052, 2985),

Gene: Sunflower1121_6 Start: 1422, Stop: 2849, Start Num: 167

Candidate Starts for Sunflower1121_6:

(Start: 79 @1338 has 76 MA's), (Start: 167 @1422 has 168 MA's), (Start: 215 @1512 has 1 MA's), (Start: 229 @1536 has 18 MA's), (279, 1620), (283, 1629), (295, 1677), (302, 1695), (333, 1764), (359, 1803), (387, 1839), (431, 1917), (445, 1959), (447, 1968), (490, 2049), (539, 2097), (579, 2163), (606, 2205), (609, 2211), (613, 2223), (617, 2229), (631, 2253), (644, 2277), (648, 2283), (661, 2304), (709, 2373), (726, 2415), (794, 2508), (797, 2514), (800, 2517), (823, 2550), (843, 2580), (855, 2604), (890, 2652), (993, 2781), (1052, 2838), (1056, 2844),

Gene: SunnyD_2 Start: 648, Stop: 2282, Start Num: 137

Candidate Starts for SunnyD_2:

(Start: 137 @648 has 81 MA's), (203, 738), (217, 765), (299, 912), (343, 996), (375, 1041), (408, 1086), (416, 1095), (433, 1146), (450, 1209), (471, 1257), (488, 1287), (498, 1302), (534, 1383), (693, 1671), (987, 2115), (1021, 2163), (1092, 2271),

Gene: Supakev_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Supakev_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (299, 758), (310, 782), (337, 836), (406, 947), (416, 965), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (784, 1634), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: Supernova_2 Start: 373, Stop: 1884, Start Num: 153

Candidate Starts for Supernova_2:

(Start: 153 @373 has 41 MA's), (184, 412), (194, 430), (Start: 208 @457 has 2 MA's), (217, 475), (Start: 234 @502 has 4 MA's), (Start: 236 @505 has 15 MA's), (262, 523), (278, 553), (283, 562), (291, 598), (294, 607), (296, 613), (315, 646), (323, 664), (331, 688), (333, 694), (350, 733), (353, 742), (355, 745), (381, 784), (383, 787), (419, 856), (432, 901), (433, 904), (438, 925), (445, 940), (447, 949), (449, 961), (466, 1000), (479, 1021), (490, 1036), (492, 1039), (493, 1042), (508, 1063), (551, 1129), (567, 1150), (601, 1186), (609, 1201), (616, 1222), (658, 1288), (683, 1321), (693, 1339), (718, 1393), (760, 1471), (769, 1480), (789, 1492), (793, 1498), (811, 1525), (826, 1546), (829, 1549), (831, 1552), (841, 1564), (859, 1594), (862, 1597), (872, 1615), (875, 1621), (893, 1642), (909, 1663), (938, 1699), (940, 1702), (946, 1714), (952, 1726), (997, 1792), (1004, 1801), (1008, 1807), (1027, 1828), (1058, 1870), (1063, 1876),

Gene: Superphikiman_10 Start: 3708, Stop: 5240, Start Num: 163

Candidate Starts for Superphikiman_10:

(126, 3666), (135, 3675), (Start: 163 @3708 has 17 MA's), (232, 3822), (268, 3885), (284, 3918), (296, 3966), (330, 4041), (346, 4077), (413, 4152), (415, 4155), (426, 4191), (436, 4224), (581, 4473), (616, 4536), (630, 4563), (719, 4722), (735, 4758), (753, 4788), (758, 4797), (809, 4851), (826, 4875), (1011, 5109), (1018, 5121),

Gene: Suppi_5 Start: 3104, Stop: 4672, Start Num: 79

Candidate Starts for Suppi_5:

(Start: 79 @3104 has 76 MA's), (217, 3290), (Start: 236 @3320 has 15 MA's), (281, 3371), (285, 3383), (291, 3413), (296, 3428), (310, 3461), (374, 3563), (416, 3644), (432, 3692), (450, 3758), (471, 3806), (475, 3815), (477, 3821), (520, 3890), (533, 3917), (551, 3947), (577, 3986), (707, 4166), (735, 4238), (753, 4274), (829, 4370), (883, 4436), (928, 4466), (933, 4472), (987, 4538), (1080, 4658),

Gene: Sweets_2 Start: 458, Stop: 1891, Start Num: 179

Candidate Starts for Sweets_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Swenson_4 Start: 923, Stop: 2413, Start Num: 110

Candidate Starts for Swenson_4:

(Start: 110 @923 has 45 MA's), (Start: 163 @968 has 17 MA's), (Start: 221 @1070 has 1 MA's), (239, 1097), (281, 1148), (285, 1160), (291, 1190), (295, 1202), (300, 1217), (334, 1283), (370, 1328), (424, 1415), (432, 1439), (433, 1442), (434, 1445), (448, 1490), (454, 1514), (459, 1523), (496, 1589), (555, 1652), (561, 1664), (585, 1706), (597, 1724), (629, 1784), (665, 1841), (678, 1853), (693, 1877), (702, 1895), (738, 1973), (777, 2027), (820, 2081), (830, 2093), (835, 2102), (884, 2177), (890, 2186), (925, 2213), (978, 2270), (1015, 2324), (1073, 2396),

Gene: Swervy_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for Swervy_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Syleon_13 Start: 5040, Stop: 6515, Start Num: 155

Candidate Starts for Syleon_13:

(Start: 155 @5040 has 8 MA's), (252, 5187), (281, 5226), (285, 5238), (331, 5361), (333, 5367), (384, 5448), (413, 5502), (415, 5505), (434, 5562), (447, 5604), (449, 5616), (463, 5640), (477, 5664), (504, 5706), (616, 5886), (645, 5928), (705, 6009), (720, 6054), (728, 6078), (753, 6123), (801, 6183), (847,

6246), (850, 6252), (898, 6324), (913, 6342), (927, 6360), (1012, 6459), (1024, 6477), (1047, 6507),

Gene: Syra333_7 Start: 1527, Stop: 2954, Start Num: 167

Candidate Starts for Syra333_7:

(Start: 167 @1527 has 168 MA's), (Start: 215 @1617 has 1 MA's), (Start: 229 @1641 has 18 MA's), (233, 1647), (279, 1725), (283, 1734), (295, 1782), (302, 1800), (333, 1869), (359, 1908), (387, 1944), (388, 1947), (431, 2022), (445, 2064), (447, 2073), (490, 2154), (539, 2202), (579, 2268), (606, 2310), (609, 2316), (613, 2328), (617, 2334), (631, 2358), (648, 2388), (661, 2409), (709, 2478), (726, 2520), (794, 2613), (800, 2622), (823, 2655), (843, 2685), (855, 2709), (890, 2757), (993, 2886), (1052, 2943), (1056, 2949),

Gene: TBond007_7 Start: 1226, Stop: 2662, Start Num: 156

Candidate Starts for TBond007_7:

(Start: 156 @1226 has 11 MA's), (Start: 167 @1238 has 168 MA's), (Start: 215 @1325 has 1 MA's), (Start: 229 @1349 has 18 MA's), (279, 1433), (283, 1442), (302, 1508), (315, 1526), (333, 1577), (361, 1619), (367, 1625), (387, 1652), (445, 1772), (447, 1781), (490, 1862), (501, 1880), (579, 1976), (609, 2024), (613, 2036), (631, 2066), (644, 2090), (651, 2102), (709, 2186), (726, 2228), (728, 2240), (797, 2327), (800, 2330), (829, 2372), (838, 2387), (843, 2393), (853, 2414), (855, 2417), (993, 2594), (1056, 2657),

Gene: TClif_7 Start: 1462, Stop: 2889, Start Num: 167

Candidate Starts for TClif_7:

(Start: 79 @1378 has 76 MA's), (Start: 156 @1450 has 11 MA's), (Start: 167 @1462 has 168 MA's), (Start: 215 @1552 has 1 MA's), (Start: 229 @1576 has 18 MA's), (279, 1660), (283, 1669), (295, 1717), (302, 1735), (315, 1753), (333, 1804), (359, 1843), (367, 1852), (387, 1879), (431, 1957), (445, 1999), (447, 2008), (490, 2089), (539, 2137), (579, 2203), (606, 2245), (609, 2251), (631, 2293), (661, 2344), (709, 2413), (726, 2455), (741, 2485), (797, 2554), (800, 2557), (823, 2590), (829, 2599), (855, 2644), (890, 2692), (993, 2821), (1052, 2878), (1056, 2884),

Gene: TG1_2 Start: 587, Stop: 2161, Start Num: 122

Candidate Starts for TG1_2:

(Start: 122 @587 has 3 MA's), (Start: 221 @734 has 1 MA's), (283, 824), (295, 872), (299, 884), (331, 953), (343, 977), (366, 1007), (385, 1028), (418, 1061), (455, 1190), (458, 1196), (533, 1355), (575, 1466), (593, 1499), (619, 1553), (621, 1556), (658, 1625), (696, 1682), (771, 1835), (785, 1856), (829, 1919), (896, 2006), (901, 2012), (923, 2024), (934, 2036), (937, 2039), (989, 2111),

Gene: TM4_4 Start: 664, Stop: 2088, Start Num: 167

Candidate Starts for TM4_4:

(Start: 79 @586 has 76 MA's), (88, 598), (Start: 93 @607 has 5 MA's), (Start: 167 @664 has 168 MA's), (204, 727), (Start: 215 @748 has 1 MA's), (227, 769), (279, 853), (283, 862), (295, 910), (315, 946), (333, 997), (361, 1039), (367, 1045), (387, 1072), (445, 1192), (447, 1201), (448, 1204), (490, 1282), (495, 1291), (497, 1294), (579, 1396), (609, 1444), (613, 1456), (631, 1486), (644, 1510), (652, 1525), (709, 1603), (726, 1645), (741, 1675), (797, 1744), (808, 1759), (843, 1810), (855, 1834), (890, 1882), (989, 2005), (993, 2011), (1052, 2077), (1056, 2083),

Gene: TMaxx_4 Start: 1204, Stop: 2733, Start Num: 133

Candidate Starts for TMaxx_4:

(Start: 133 @1204 has 5 MA's), (183, 1249), (206, 1288), (341, 1558), (447, 1789), (449, 1801), (477, 1858), (552, 1978), (570, 2014), (580, 2035), (616, 2101), (619, 2107), (730, 2302), (810, 2398), (927, 2533),

Gene: TZGordon_9 Start: 3612, Stop: 5219, Start Num: 111

Candidate Starts for TZGordon_9:

(Start: 52 @3534 has 3 MA's), (Start: 111 @3612 has 6 MA's), (283, 3840), (293, 3882), (310, 3924), (326, 3945), (333, 3966), (416, 4104), (434, 4158), (458, 4242), (460, 4245), (461, 4248), (476, 4278), (619, 4485), (695, 4608), (725, 4695), (731, 4710), (738, 4725), (781, 4788), (829, 4848), (835, 4857), (860, 4899), (901, 4974), (902, 4977), (933, 5010), (987, 5076), (1024, 5127), (1084, 5205), (1087, 5211),

Gene: Tachez_8 Start: 1556, Stop: 2980, Start Num: 167

Candidate Starts for Tachez_8:

(88, 1484), (Start: 156 @1544 has 11 MA's), (Start: 167 @1556 has 168 MA's), (Start: 229 @1667 has 18 MA's), (233, 1673), (279, 1751), (283, 1760), (295, 1808), (302, 1826), (333, 1895), (361, 1937), (367, 1943), (387, 1970), (388, 1973), (445, 2090), (447, 2099), (490, 2180), (579, 2294), (609, 2342), (613, 2354), (631, 2384), (644, 2408), (651, 2420), (707, 2498), (709, 2504), (800, 2651), (823, 2684), (855, 2738), (993, 2915), (1052, 2969),

Gene: Taheera_2 Start: 459, Stop: 1895, Start Num: 178

Candidate Starts for Taheera_2:

(30, 291), (Start: 77 @363 has 24 MA's), (Start: 178 @459 has 43 MA's), (Start: 179 @462 has 5 MA's), (Start: 197 @498 has 1 MA's), (Start: 215 @537 has 1 MA's), (295, 699), (333, 786), (336, 795), (344, 810), (359, 825), (445, 981), (449, 1002), (460, 1023), (490, 1071), (495, 1080), (609, 1233), (623, 1263), (641, 1293), (709, 1389), (796, 1533), (825, 1575), (846, 1608), (855, 1626), (870, 1647), (915, 1692), (930, 1710), (932, 1713), (993, 1806),

Gene: TailX7_2 Start: 351, Stop: 1808, Start Num: 95

Candidate Starts for TailX7_2:

(Start: 95 @351 has 2 MA's), (101, 360), (107, 366), (336, 699), (431, 849), (448, 903), (478, 966), (626, 1191), (656, 1239), (693, 1287), (726, 1350), (728, 1359), (797, 1461), (877, 1569), (883, 1581), (965, 1662), (1031, 1755), (1041, 1764), (1069, 1797),

Gene: TaiwanKao_8 Start: 1562, Stop: 2986, Start Num: 167

Candidate Starts for TaiwanKao_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (333, 1901), (361, 1943), (367, 1949), (387, 1976), (388, 1979), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (709, 2510), (800, 2657), (823, 2690), (855, 2744), (993, 2921), (1052, 2975),

Gene: Taj14_4 Start: 778, Stop: 2268, Start Num: 110

Candidate Starts for Taj14_4:

(Start: 110 @778 has 45 MA's), (Start: 163 @823 has 17 MA's), (Start: 221 @925 has 1 MA's), (239, 952), (281, 1003), (285, 1015), (291, 1045), (295, 1057), (300, 1072), (334, 1138), (370, 1183), (424, 1270), (432, 1294), (433, 1297), (434, 1300), (448, 1345), (454, 1369), (459, 1378), (555, 1507), (561, 1519), (597, 1579), (629, 1639), (665, 1696), (678, 1708), (702, 1750), (738, 1828), (777, 1882), (830, 1948), (835, 1957), (855, 1987), (884, 2032), (890, 2041), (925, 2068), (978, 2125), (1015, 2179), (1073, 2251),

Gene: Tapioca_2 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Tapioca_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Taquito_7 Start: 2076, Stop: 3521, Start Num: 167

Candidate Starts for Taquito_7:

(Start: 167 @2076 has 168 MA's), (Start: 229 @2181 has 18 MA's), (279, 2265), (283, 2274), (291, 2310), (295, 2322), (300, 2337), (315, 2364), (333, 2415), (340, 2433), (367, 2463), (387, 2490), (431, 2568), (447, 2619), (448, 2622), (490, 2700), (495, 2709), (539, 2748), (579, 2814), (609, 2862), (631, 2904), (709, 3021), (725, 3063), (741, 3108), (797, 3177), (829, 3222), (843, 3243), (855, 3267), (993, 3444), (1052, 3510), (1056, 3516),

Gene: TaronosaurusRx_2 Start: 522, Stop: 2171, Start Num: 93

Candidate Starts for TaronosaurusRx_2:

(Start: 93 @522 has 5 MA's), (Start: 117 @552 has 7 MA's), (238, 723), (285, 807), (333, 933), (336, 942), (379, 1008), (404, 1056), (450, 1191), (569, 1392), (589, 1434), (617, 1467), (676, 1548), (686, 1566), (689, 1569), (758, 1713), (767, 1722), (794, 1755), (797, 1761), (835, 1815), (846, 1833), (853, 1851), (896, 1923), (920, 1959), (962, 2013), (980, 2040), (1002, 2073), (1041, 2124),

Gene: Tarzan_2 Start: 511, Stop: 2100, Start Num: 113

Candidate Starts for Tarzan_2:

(Start: 113 @511 has 11 MA's), (217, 646), (219, 652), (283, 733), (291, 769), (310, 817), (343, 877), (374, 919), (375, 922), (387, 946), (388, 949), (416, 976), (435, 1039), (456, 1111), (473, 1141), (475, 1147), (476, 1150), (477, 1153), (619, 1417), (625, 1432), (627, 1435), (636, 1447), (677, 1507), (709, 1552), (715, 1570), (728, 1609), (797, 1702), (814, 1723), (821, 1732), (873, 1816), (890, 1852), (952, 1924), (1021, 2017), (1038, 2035), (1082, 2089),

Gene: TattModd_5 Start: 3127, Stop: 4692, Start Num: 79

Candidate Starts for TattModd_5:

(Start: 79 @3127 has 76 MA's), (Start: 234 @3337 has 4 MA's), (281, 3391), (296, 3448), (299, 3457), (427, 3697), (432, 3712), (434, 3718), (450, 3778), (476, 3838), (533, 3937), (551, 3967), (559, 3982), (619, 4063), (665, 4141), (674, 4150), (707, 4186), (720, 4225), (735, 4258), (738, 4267), (753, 4294), (797, 4348), (829, 4390), (873, 4435), (883, 4456), (896, 4480), (987, 4558), (1080, 4678),

Gene: TaylorSipht_3 Start: 775, Stop: 2355, Start Num: 152

Candidate Starts for TaylorSipht_3:

(Start: 85 @709 has 13 MA's), (Start: 152 @775 has 16 MA's), (181, 811), (Start: 212 @871 has 10 MA's), (217, 880), (Start: 236 @910 has 15 MA's), (282, 964), (294, 1012), (299, 1027), (310, 1051), (332, 1090), (416, 1210), (434, 1264), (435, 1273), (450, 1324), (454, 1336), (458, 1348), (476, 1384), (490, 1405), (521, 1465), (527, 1483), (531, 1495), (534, 1504), (564, 1567), (625, 1681), (627, 1684), (693, 1783), (702, 1795), (731, 1861), (738, 1876), (755, 1906), (790, 1945), (796, 1954), (967, 2194), (1017, 2263), (1021, 2269), (1055, 2305), (1082, 2344),

Gene: Tchotchke_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Tchotchke_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (275, 882), (277, 885), (281, 891), (283, 897), (292, 936), (295, 945), (315, 981), (330, 1023), (356, 1071), (368, 1089), (371, 1092), (415, 1143), (433, 1200), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Teagster_2 Start: 651, Stop: 2285, Start Num: 137

Candidate Starts for Teagster_2:

(Start: 137 @651 has 81 MA's), (203, 741), (217, 768), (299, 915), (343, 999), (375, 1044), (408, 1089), (416, 1098), (433, 1149), (450, 1212), (471, 1260), (488, 1290), (498, 1305), (534, 1386), (693, 1674), (987, 2118), (1021, 2166), (1092, 2274),

Gene: Techage_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Techage_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (293, 797), (296, 806), (299, 815), (302, 821), (304, 824), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (569, 1337), (660, 1478), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: TeddyBoy_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for TeddyBoy_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Teejan_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Teejan_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: TelAviv_28 Start: 13071, Stop: 14585, Start Num: 76

Candidate Starts for TelAviv_28:

(Start: 76 @13071 has 17 MA's), (Start: 78 @13074 has 19 MA's), (Start: 215 @13254 has 1 MA's), (269, 13347), (294, 13422), (310, 13455), (323, 13482), (333, 13512), (431, 13665), (433, 13671), (445, 13707), (447, 13716), (490, 13797), (495, 13806), (497, 13809), (540, 13848), (576, 13905), (596, 13941), (601, 13944), (706, 14100), (709, 14109), (737, 14178), (741, 14187), (746, 14193), (769, 14226), (800, 14262), (855, 14349), (871, 14370), (932, 14433), (935, 14436), (938, 14439), (947, 14457), (963, 14478), (993, 14520), (1026, 14556), (1047, 14568),

Gene: Temper16_2 Start: 428, Stop: 1993, Start Num: 79

Candidate Starts for Temper16_2:

(Start: 79 @428 has 76 MA's), (Start: 211 @599 has 2 MA's), (281, 692), (284, 701), (291, 734), (296, 749), (299, 758), (310, 782), (337, 836), (406, 947), (432, 1013), (434, 1019), (450, 1079), (476, 1139), (496, 1169), (551, 1268), (665, 1442), (674, 1451), (707, 1487), (709, 1493), (721, 1529), (737, 1565), (755, 1598), (790, 1637), (794, 1643), (899, 1784), (987, 1859), (1053, 1940), (1080, 1979),

Gene: Terror_2 Start: 459, Stop: 1895, Start Num: 178

Candidate Starts for Terror_2:

(30, 291), (Start: 77 @363 has 24 MA's), (Start: 178 @459 has 43 MA's), (Start: 179 @462 has 5 MA's), (Start: 197 @498 has 1 MA's), (Start: 215 @537 has 1 MA's), (295, 699), (333, 786), (336, 795), (344, 810), (359, 825), (445, 981), (449, 1002), (460, 1023), (490, 1071), (495, 1080), (609, 1233), (623, 1263), (641, 1293), (709, 1389), (796, 1533), (825, 1575), (846, 1608), (855, 1626), (870, 1647), (915, 1692), (930, 1710), (932, 1713), (993, 1806),

Gene: Tessdabest_1 Start: 504, Stop: 2036, Start Num: 160

Candidate Starts for Tessdabest_1:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Thespis_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Thespis_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (272, 718), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Thimann_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Thimann_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (426, 1357), (445, 1414), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: ThulaThula_2 Start: 401, Stop: 2080, Start Num: 51

Candidate Starts for ThulaThula_2:

(9, 191), (12, 239), (Start: 51 @401 has 50 MA's), (180, 563), (202, 608), (207, 617), (228, 656), (268, 713), (272, 719), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (334, 881), (336, 887), (341, 899), (404, 989), (476, 1178), (558, 1304), (660, 1466), (676, 1478), (707, 1523), (717, 1553), (758, 1634), (800, 1685), (846, 1754), (853, 1772), (904, 1856), (906, 1859), (914, 1871), (1067, 2063),

Gene: Thyatira_6 Start: 1325, Stop: 2752, Start Num: 175

Candidate Starts for Thyatira_6:

(Start: 175 @1325 has 25 MA's), (204, 1382), (Start: 215 @1403 has 1 MA's), (Start: 229 @1427 has 18 MA's), (279, 1511), (283, 1520), (285, 1526), (295, 1568), (302, 1586), (315, 1604), (333, 1655), (339, 1670), (387, 1730), (431, 1808), (445, 1850), (447, 1859), (448, 1862), (490, 1940), (579, 2054), (609, 2102), (631, 2144), (644, 2168), (651, 2180), (671, 2207), (705, 2252), (709, 2264), (794, 2411), (821, 2450), (855, 2507), (872, 2531), (890, 2555), (919, 2579), (989, 2678), (993, 2684), (1052, 2741),

Gene: Tierra_7 Start: 1517, Stop: 2944, Start Num: 167

Candidate Starts for Tierra_7:

(Start: 167 @1517 has 168 MA's), (Start: 215 @1607 has 1 MA's), (Start: 229 @1631 has 18 MA's), (233, 1637), (279, 1715), (283, 1724), (295, 1772), (302, 1790), (333, 1859), (367, 1907), (387, 1934), (431, 2012), (445, 2054), (447, 2063), (490, 2144), (539, 2192), (579, 2258), (606, 2300), (609, 2306), (613, 2318), (617, 2324), (631, 2348), (648, 2378), (661, 2399), (709, 2468), (726, 2510), (794, 2603), (797, 2609), (800, 2612), (823, 2645), (843, 2675), (855, 2699), (890, 2747), (993, 2876), (1052, 2933), (1056, 2939),

Gene: Tigress9_7 Start: 1519, Stop: 2946, Start Num: 167

Candidate Starts for Tigress9_7:

(Start: 167 @1519 has 168 MA's), (Start: 215 @1609 has 1 MA's), (Start: 229 @1633 has 18 MA's), (233, 1639), (279, 1717), (283, 1726), (295, 1774), (302, 1792), (333, 1861), (359, 1900), (367, 1909), (387, 1936), (388, 1939), (431, 2014), (445, 2056), (447, 2065), (490, 2146), (579, 2260), (606, 2302), (609, 2308), (613, 2320), (617, 2326), (631, 2350), (644, 2374), (648, 2380), (661, 2401), (709, 2470),

(726, 2512), (794, 2605), (797, 2611), (800, 2614), (823, 2647), (843, 2677), (855, 2701), (890, 2749), (993, 2878), (1052, 2935), (1056, 2941),

Gene: TimoTea_3 Start: 1062, Stop: 2522, Start Num: 108

Candidate Starts for TimoTea_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (590, 1857), (601, 1872), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (803, 2211), (862, 2274), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: TinaBug_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for TinaBug_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: TinaLin_10 Start: 4153, Stop: 5841, Start Num: 52

Candidate Starts for TinaLin_10:

(Start: 52 @4153 has 3 MA's), (Start: 108 @4231 has 144 MA's), (243, 4423), (293, 4504), (319, 4549), (326, 4567), (333, 4588), (349, 4618), (379, 4657), (416, 4726), (434, 4780), (458, 4864), (460, 4867), (461, 4870), (475, 4897), (476, 4900), (564, 5005), (625, 5122), (636, 5137), (695, 5230), (698, 5236), (705, 5260), (719, 5302), (725, 5317), (738, 5347), (746, 5359), (781, 5410), (794, 5422), (829, 5470), (835, 5479), (873, 5545), (902, 5599), (933, 5632), (1024, 5749), (1047, 5767), (1055, 5779), (1084, 5827), (1087, 5833),

Gene: TingHuaYa_8 Start: 1618, Stop: 3042, Start Num: 167

Candidate Starts for TingHuaYa_8:

(Start: 79 @1534 has 76 MA's), (Start: 167 @1618 has 168 MA's), (Start: 215 @1705 has 1 MA's), (Start: 229 @1729 has 18 MA's), (233, 1735), (254, 1774), (279, 1813), (283, 1822), (285, 1828), (295, 1870), (302, 1888), (333, 1957), (359, 1996), (367, 2005), (387, 2032), (388, 2035), (445, 2152), (447, 2161), (539, 2290), (579, 2356), (609, 2404), (613, 2416), (631, 2446), (644, 2470), (709, 2566), (797, 2707), (800, 2710), (823, 2743), (843, 2773), (855, 2797), (935, 2884), (993, 2974), (1052, 3031), (1056, 3037),

Gene: TiniBug_8 Start: 1566, Stop: 2987, Start Num: 167

Candidate Starts for TiniBug_8:

(88, 1494), (Start: 117 @1533 has 7 MA's), (Start: 156 @1554 has 11 MA's), (Start: 167 @1566 has 168 MA's), (Start: 229 @1677 has 18 MA's), (233, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (333, 1905), (361, 1947), (367, 1953), (387, 1980), (388, 1983), (415, 2007), (445, 2100), (447, 2109), (490, 2190), (501, 2208), (579, 2304), (609, 2352), (613, 2364), (631, 2394), (644, 2418), (651, 2430), (707, 2508), (709, 2514), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: TinoCrisci_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for TinoCrisci_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: TinyTruffula_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for TinyTruffula_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (760, 2277), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Tiri_8 Start: 1604, Stop: 3025, Start Num: 167

Candidate Starts for Tiri_8:

(88, 1532), (Start: 156 @1592 has 11 MA's), (Start: 167 @1604 has 168 MA's), (Start: 229 @1715 has 18 MA's), (233, 1721), (279, 1799), (283, 1808), (295, 1856), (302, 1874), (333, 1943), (361, 1985), (367, 1991), (387, 2018), (388, 2021), (445, 2138), (447, 2147), (490, 2228), (579, 2342), (609, 2390), (613, 2402), (631, 2432), (644, 2456), (651, 2468), (707, 2546), (709, 2552), (800, 2696), (823, 2729), (855, 2783), (993, 2960), (1052, 3014),

Gene: Toad24_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Toad24_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (Start: 221 @1072 has 1 MA's), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (735, 2050), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Toast_2 Start: 378, Stop: 1928, Start Num: 147

Candidate Starts for Toast_2:

(118, 348), (Start: 122 @354 has 3 MA's), (Start: 128 @360 has 39 MA's), (Start: 131 @363 has 13 MA's), (Start: 147 @378 has 5 MA's), (Start: 195 @441 has 1 MA's), (210, 477), (217, 492), (225, 504), (238, 519), (257, 552), (272, 573), (282, 594), (291, 633), (299, 657), (315, 693), (333, 741), (360, 783), (367, 795), (432, 900), (477, 1020), (488, 1035), (544, 1113), (560, 1146), (569, 1164), (676, 1320), (705, 1359), (730, 1431), (760, 1479), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (853, 1614), (904, 1701), (936, 1743), (971, 1794), (1067, 1911), (1070, 1917),

Gene: ToastyOats_7 Start: 2290, Stop: 3990, Start Num: 116

Candidate Starts for ToastyOats_7:

(73, 2233), (Start: 98 @2269 has 36 MA's), (Start: 116 @2290 has 19 MA's), (187, 2365), (203, 2413), (Start: 212 @2434 has 10 MA's), (240, 2482), (282, 2527), (283, 2530), (293, 2572), (299, 2590), (300, 2593), (302, 2596), (319, 2617), (375, 2719), (416, 2773), (450, 2887), (476, 2947), (490, 2968), (523, 3034), (524, 3037), (585, 3199), (619, 3265), (625, 3280), (715, 3451), (728, 3490), (735, 3499), (738, 3508), (762, 3550), (794, 3583), (823, 3622), (862, 3664), (947, 3754), (967, 3781), (970, 3784), (1017, 3853), (1075, 3931), (1092, 3979),

Gene: TomBrady_2 Start: 459, Stop: 1892, Start Num: 179

Candidate Starts for TomBrady_2:

(Start: 77 @360 has 24 MA's), (Start: 178 @456 has 43 MA's), (Start: 179 @459 has 5 MA's), (Start: 197 @495 has 1 MA's), (Start: 215 @534 has 1 MA's), (295, 696), (333, 783), (336, 792), (346, 810), (359, 822), (433, 942), (445, 978), (449, 999), (460, 1020), (490, 1068), (495, 1077), (609, 1230), (641, 1290), (652, 1308), (694, 1359), (709, 1386), (715, 1401), (716, 1404), (760, 1485), (796, 1530), (846, 1605), (855, 1623), (870, 1644), (915, 1689), (930, 1707), (932, 1710), (993, 1803), (1054, 1884),

Gene: TomBrady12_3 Start: 1113, Stop: 2573, Start Num: 108

Candidate Starts for TomBrady12_3:

(Start: 108 @1113 has 144 MA's), (Start: 114 @1119 has 2 MA's), (Start: 236 @1281 has 15 MA's), (240, 1290), (282, 1350), (303, 1419), (319, 1440), (337, 1491), (449, 1695), (550, 1830), (590, 1908), (601, 1923), (610, 1941), (619, 1959), (642, 2001), (664, 2034), (679, 2052), (737, 2172), (738, 2175), (746, 2187), (751, 2199), (760, 2211), (803, 2262), (858, 2319), (862, 2325), (867, 2334), (872, 2343), (873, 2346), (1010, 2508), (1015, 2517), (1021, 2526), (1053, 2565),

Gene: Toodles_6 Start: 2022, Stop: 3719, Start Num: 116

Candidate Starts for Toodles_6:

(70, 1959), (91, 1989), (Start: 116 @2022 has 19 MA's), (203, 2142), (Start: 212 @2163 has 10 MA's), (219, 2178), (240, 2211), (281, 2253), (282, 2256), (293, 2301), (299, 2319), (300, 2322), (302, 2325), (326, 2364), (337, 2397), (374, 2445), (375, 2448), (416, 2502), (450, 2616), (475, 2673), (476, 2676), (490, 2697), (523, 2763), (585, 2928), (619, 2994), (625, 3009), (735, 3228), (738, 3237), (762, 3279), (794, 3312), (823, 3351), (862, 3393), (947, 3483), (967, 3510), (970, 3513), (1017, 3582), (1075, 3660), (1092, 3708),

Gene: TootsiePop_3 Start: 674, Stop: 2161, Start Num: 154

Candidate Starts for TootsiePop_3:

(121, 662), (Start: 154 @674 has 85 MA's), (Start: 229 @800 has 18 MA's), (233, 806), (256, 848), (262, 854), (277, 887), (281, 893), (283, 899), (292, 938), (300, 962), (314, 980), (315, 983), (330, 1025), (356, 1073), (363, 1082), (368, 1091), (371, 1094), (415, 1145), (438, 1223), (447, 1247), (449, 1259), (460, 1280), (466, 1292), (487, 1325), (491, 1331), (540, 1400), (542, 1406), (556, 1439), (574, 1475), (610, 1535), (613, 1544), (628, 1571), (681, 1649), (731, 1745), (760, 1790), (821, 1862), (845, 1901), (868, 1937), (871, 1943), (890, 1967), (924, 1997), (932, 2003), (962, 2045), (964, 2048), (966, 2051), (993, 2093), (1004, 2105), (1012, 2117),

Gene: Tootsieroll_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Tootsieroll_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (415, 1142), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Topper_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Topper_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Torres_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Torres_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: Tortellini_2 Start: 401, Stop: 2080, Start Num: 51

Candidate Starts for Tortellini_2:

(Start: 51 @401 has 50 MA's), (Start: 120 @494 has 2 MA's), (Start: 137 @512 has 81 MA's), (Start: 151 @527 has 5 MA's), (199, 602), (202, 608), (207, 617), (228, 656), (268, 713), (280, 737), (292, 782), (296, 794), (299, 803), (302, 809), (329, 866), (334, 881), (336, 887), (404, 989), (469, 1169), (476, 1178), (544, 1274), (558, 1304), (569, 1325), (660, 1466), (676, 1478), (707, 1523), (717, 1553), (737, 1601), (758, 1634), (782, 1658), (794, 1676), (800, 1685), (819, 1712), (846, 1754), (853, 1772), (914, 1871), (1067, 2063),

Gene: Tortoise12_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Tortoise12_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Totinger_3 Start: 672, Stop: 2159, Start Num: 154

Candidate Starts for Totinger_3:

(121, 660), (Start: 154 @672 has 85 MA's), (Start: 229 @798 has 18 MA's), (233, 804), (256, 846), (262, 852), (277, 885), (281, 891), (283, 897), (292, 936), (300, 960), (314, 978), (315, 981), (330, 1023), (337, 1044), (356, 1071), (363, 1080), (368, 1089), (371, 1092), (415, 1143), (438, 1221), (447, 1245), (449, 1257), (460, 1278), (466, 1290), (487, 1323), (491, 1329), (540, 1398), (542, 1404), (556, 1437), (574, 1473), (610, 1533), (613, 1542), (628, 1569), (681, 1647), (731, 1743), (760, 1788), (821, 1860), (845, 1899), (868, 1935), (871, 1941), (890, 1965), (924, 1995), (932, 2001), (962, 2043), (964, 2046), (966, 2049), (993, 2091), (1004, 2103), (1012, 2115),

Gene: Toulouse_3 Start: 596, Stop: 2086, Start Num: 110

Candidate Starts for Toulouse_3:

(Start: 110 @596 has 45 MA's), (Start: 163 @641 has 17 MA's), (Start: 221 @743 has 1 MA's), (Start: 234 @761 has 4 MA's), (239, 770), (281, 821), (282, 824), (285, 833), (291, 863), (300, 890), (363, 989), (424, 1088), (432, 1112), (433, 1115), (434, 1118), (448, 1163), (549, 1313), (597, 1397), (623, 1445), (629, 1457), (651, 1496), (665, 1514), (678, 1526), (679, 1529), (693, 1550), (696, 1556), (702, 1568), (738, 1646), (777, 1700), (820, 1754), (830, 1766), (890, 1859), (978, 1943), (1017, 2000), (1073, 2069),

Gene: Tourach_4 Start: 1085, Stop: 2653, Start Num: 74

Candidate Starts for Tourach_4:

(Start: 74 @1085 has 76 MA's), (Start: 78 @1091 has 19 MA's), (Start: 84 @1100 has 6 MA's), (199, 1247), (269, 1349), (302, 1439), (328, 1490), (350, 1544), (431, 1682), (433, 1688), (438, 1709), (488, 1808), (566, 1934), (576, 1955), (591, 1979), (595, 1985), (614, 2015), (616, 2021), (637, 2057), (688, 2114), (707, 2141), (709, 2147), (739, 2225), (760, 2261), (801, 2306), (846, 2372), (893, 2447), (913, 2474), (1040, 2621), (1055, 2645), (1057, 2648),

Gene: TpudiCK_15 Start: 4718, Stop: 6262, Start Num: 98

Candidate Starts for TpudiCK_15:

(Start: 98 @4718 has 36 MA's), (141, 4766), (282, 4967), (333, 5105), (443, 5297), (566, 5507), (595, 5558), (637, 5630), (707, 5693), (715, 5717), (720, 5732), (748, 5792), (755, 5804), (797, 5864), (821, 5897), (843, 5930), (856, 5957), (889, 6005), (1021, 6191), (1040, 6212),

Gene: Trackstar_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for Trackstar_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (760, 2277), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Trax_12 Start: 4818, Stop: 6263, Start Num: 155

Candidate Starts for Trax_12:

(Start: 155 @4818 has 8 MA's), (281, 5004), (316, 5097), (349, 5178), (364, 5190), (384, 5223), (399, 5229), (413, 5247), (419, 5256), (445, 5340), (447, 5349), (477, 5409), (490, 5427), (566, 5547), (579, 5574), (622, 5643), (645, 5673), (692, 5739), (738, 5844), (753, 5871), (801, 5931), (823, 5955), (847, 5994), (887, 6057), (927, 6108), (980, 6165),

Gene: TreyKay_8 Start: 1562, Stop: 2983, Start Num: 167

Candidate Starts for TreyKay_8:

(88, 1490), (Start: 156 @1550 has 11 MA's), (Start: 167 @1562 has 168 MA's), (Start: 229 @1673 has 18 MA's), (233, 1679), (279, 1757), (283, 1766), (295, 1814), (302, 1832), (333, 1901), (361, 1943), (367, 1949), (387, 1976), (388, 1979), (445, 2096), (447, 2105), (490, 2186), (579, 2300), (609, 2348), (613, 2360), (631, 2390), (644, 2414), (651, 2426), (707, 2504), (709, 2510), (800, 2654), (823, 2687), (855, 2741), (993, 2918), (1052, 2972),

Gene: TriFive_5 Start: 1190, Stop: 2755, Start Num: 74

Candidate Starts for TriFive_5:

(38, 1139), (44, 1148), (Start: 74 @1190 has 76 MA's), (Start: 78 @1196 has 19 MA's), (206, 1367), (219, 1397), (281, 1472), (283, 1478), (285, 1484), (346, 1640), (350, 1649), (358, 1652), (360, 1655), (413, 1730), (431, 1784), (432, 1787), (433, 1790), (558, 2021), (603, 2096), (614, 2117), (616, 2123), (663, 2192), (688, 2216), (704, 2234), (709, 2249), (760, 2363), (797, 2402), (801, 2408), (846, 2474), (880, 2528), (905, 2564), (913, 2576), (954, 2615), (1021, 2702), (1055, 2747), (1057, 2750),

Gene: TribbleTrouble_6 Start: 1306, Stop: 2730, Start Num: 167

Candidate Starts for TribbleTrouble_6:

(Start: 111 @1267 has 6 MA's), (Start: 156 @1294 has 11 MA's), (Start: 167 @1306 has 168 MA's), (204, 1372), (207, 1375), (Start: 215 @1393 has 1 MA's), (Start: 229 @1417 has 18 MA's), (279, 1501), (283, 1510), (295, 1558), (302, 1576), (315, 1594), (333, 1645), (361, 1687), (367, 1693), (387, 1720), (445, 1840), (447, 1849), (490, 1930), (501, 1948), (579, 2044), (609, 2092), (613, 2104), (631, 2134), (644, 2158), (651, 2170), (709, 2254), (726, 2296), (797, 2395), (800, 2398), (829, 2440), (838, 2455), (853, 2482), (855, 2485), (993, 2662),

Gene: Trice_4 Start: 847, Stop: 2271, Start Num: 167

Candidate Starts for Trice_4:

(Start: 156 @835 has 11 MA's), (Start: 167 @847 has 168 MA's), (204, 913), (Start: 229 @958 has 18 MA's), (254, 1003), (279, 1042), (283, 1051), (295, 1099), (302, 1117), (315, 1135), (333, 1186), (367, 1234), (387, 1261), (445, 1381), (447, 1390), (461, 1426), (463, 1429), (490, 1471), (501, 1489), (579, 1585), (606, 1627), (609, 1633), (613, 1645), (631, 1675), (635, 1681), (644, 1699), (661, 1726), (709, 1795), (741, 1867), (800, 1939), (823, 1972), (829, 1981), (846, 2008), (855, 2026), (993, 2203), (1052, 2260), (1056, 2266),

Gene: Trine_2 Start: 545, Stop: 2110, Start Num: 117

Candidate Starts for Trine_2:

(Start: 117 @545 has 7 MA's), (Start: 128 @557 has 39 MA's), (203, 650), (219, 686), (285, 773), (299, 827), (336, 905), (367, 947), (378, 962), (392, 992), (416, 1013), (432, 1061), (447, 1112), (475, 1184), (477, 1190), (578, 1316), (636, 1418), (640, 1427), (646, 1439), (651, 1448), (701, 1511), (707, 1517), (718, 1550), (725, 1568), (736, 1601), (737, 1607), (748, 1628), (753, 1637), (755, 1640), (860, 1808),

(862, 1811), (888, 1865), (890, 1868), (908, 1895), (967, 1946), (1083, 2102),

Gene: TripleC_7 Start: 4668, Stop: 6197, Start Num: 133

Candidate Starts for TripleC_7:

(Start: 133 @4668 has 5 MA's), (206, 4755), (Start: 212 @4770 has 10 MA's), (285, 4875), (331, 4998), (341, 5025), (447, 5256), (449, 5268), (477, 5325), (570, 5481), (580, 5502), (616, 5568), (619, 5574), (737, 5781), (810, 5865), (927, 6000),

Gene: Trireme_3 Start: 1179, Stop: 2639, Start Num: 108

Candidate Starts for Trireme_3:

(Start: 108 @1179 has 144 MA's), (Start: 114 @1185 has 2 MA's), (Start: 236 @1347 has 15 MA's), (240, 1356), (282, 1416), (303, 1485), (319, 1506), (337, 1557), (449, 1761), (550, 1896), (590, 1974), (601, 1989), (610, 2007), (619, 2025), (642, 2067), (664, 2100), (679, 2118), (737, 2238), (738, 2241), (746, 2253), (751, 2265), (760, 2277), (803, 2328), (858, 2385), (862, 2391), (867, 2400), (872, 2409), (873, 2412), (1010, 2574), (1015, 2583), (1021, 2592), (1053, 2631),

Gene: Troy_2 Start: 374, Stop: 1957, Start Num: 128

Candidate Starts for Troy_2:

(Start: 125 @371 has 6 MA's), (Start: 128 @374 has 39 MA's), (Start: 138 @380 has 1 MA's), (245, 551), (281, 629), (284, 638), (367, 812), (429, 914), (431, 920), (434, 929), (435, 938), (453, 998), (475, 1046), (476, 1049), (545, 1112), (592, 1205), (627, 1271), (722, 1427), (729, 1445), (756, 1490), (776, 1532), (802, 1568), (814, 1583), (832, 1610), (834, 1613), (844, 1628), (866, 1661), (873, 1676), (899, 1724), (937, 1754), (953, 1772), (1006, 1847), (1067, 1922), (1081, 1946),

Gene: TruffulaTree_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for TruffulaTree_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: TuertoX_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for TuertoX_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: TukTuk_3 Start: 676, Stop: 2304, Start Num: 137

Candidate Starts for TukTuk_3:

(Start: 137 @676 has 81 MA's), (240, 832), (299, 940), (343, 1024), (362, 1048), (416, 1123), (433, 1174), (434, 1177), (450, 1237), (455, 1255), (471, 1285), (488, 1315), (731, 1771), (738, 1786), (987, 2137), (1092, 2293),

Gene: Tuti_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for Tuti_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (216, 973), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (426, 1357), (445, 1414), (447, 1423), (450, 1438), (495, 1522), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (823, 2032), (876, 2122), (906, 2173), (1001,

2302), (1064, 2362),

Gene: Twinkle_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Twinkle_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (426, 855), (445, 912), (447, 921), (450, 936), (488, 1008), (495, 1020), (528, 1071), (569, 1137), (589, 1179), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (821, 1536), (823, 1539), (846, 1575), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (980, 1785), (1020, 1827),

Gene: Twitch_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Twitch_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: TyDawg_14 Start: 4719, Stop: 6263, Start Num: 98

Candidate Starts for TyDawg_14:

(Start: 98 @4719 has 36 MA's), (141, 4767), (282, 4968), (333, 5106), (443, 5298), (566, 5508), (595, 5559), (637, 5631), (707, 5694), (715, 5718), (720, 5733), (748, 5793), (755, 5805), (797, 5865), (821, 5898), (843, 5931), (856, 5958), (889, 6006), (1021, 6192), (1040, 6213),

Gene: TymAbreu_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for TymAbreu_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (860, 2015), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: Typha_9 Start: 4674, Stop: 6299, Start Num: 75

Candidate Starts for Typha_9:

(25, 4593), (28, 4611), (55, 4650), (63, 4662), (70, 4668), (Start: 75 @4674 has 5 MA's), (Start: 79 @4680 has 76 MA's), (Start: 208 @4848 has 2 MA's), (214, 4860), (219, 4872), (299, 5016), (333, 5112), (336, 5121), (387, 5199), (390, 5205), (427, 5262), (432, 5277), (458, 5367), (475, 5400), (476, 5403), (547, 5475), (578, 5532), (601, 5580), (611, 5601), (616, 5613), (622, 5625), (636, 5649), (648, 5673), (651, 5679), (697, 5736), (709, 5754), (753, 5856), (781, 5898), (824, 5961), (830, 5970), (833, 5976), (897, 6090), (934, 6102), (956, 6120), (986, 6162), (1016, 6204), (1028, 6219),

Gene: Tyrellus_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Tyrellus_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Tyson_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Tyson_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652),

(515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: UPIE_4 Start: 1059, Stop: 2636, Start Num: 78

Candidate Starts for UPIE_4:

(Start: 74 @1053 has 76 MA's), (Start: 78 @1059 has 19 MA's), (206, 1230), (269, 1317), (281, 1335), (283, 1341), (291, 1377), (358, 1515), (360, 1518), (413, 1593), (431, 1647), (432, 1650), (433, 1653), (515, 1821), (554, 1875), (558, 1884), (566, 1899), (576, 1920), (603, 1959), (614, 1980), (616, 1986), (633, 2013), (663, 2055), (688, 2079), (704, 2097), (707, 2106), (709, 2112), (720, 2145), (735, 2178), (755, 2217), (758, 2223), (760, 2226), (801, 2271), (846, 2337), (875, 2388), (887, 2403), (893, 2412), (905, 2427), (907, 2430), (1000, 2532), (1017, 2559), (1055, 2610), (1057, 2613),

Gene: Ubuntu_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Ubuntu_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: UmaThurman_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for UmaThurman_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (289, 627), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (430, 891), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (707, 1365), (718, 1398), (730, 1431), (737, 1443), (760, 1479), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (896, 1689), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: UncleRicky_3 Start: 797, Stop: 2158, Start Num: 229

Candidate Starts for UncleRicky_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Underpass_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Underpass_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Unicorn_7 Start: 1549, Stop: 2976, Start Num: 167

Candidate Starts for Unicorn_7:

(Start: 167 @1549 has 168 MA's), (Start: 215 @1639 has 1 MA's), (Start: 229 @1663 has 18 MA's), (233, 1669), (279, 1747), (283, 1756), (295, 1804), (302, 1822), (333, 1891), (359, 1930), (367, 1939), (387, 1966), (431, 2044), (445, 2086), (447, 2095), (490, 2176), (539, 2224), (579, 2290), (606, 2332), (609, 2338), (613, 2350), (617, 2356), (631, 2380), (648, 2410), (661, 2431), (709, 2500), (726, 2542), (794, 2635), (823, 2677), (843, 2707), (855, 2731), (890, 2779), (993, 2908), (1052, 2965), (1056, 2971),

Gene: Upsilon_3 Start: 1104, Stop: 2564, Start Num: 108

Candidate Starts for Upsilon_3:

(Start: 108 @1104 has 144 MA's), (Start: 114 @1110 has 2 MA's), (Start: 236 @1272 has 15 MA's), (240, 1281), (282, 1341), (303, 1410), (319, 1431), (332, 1467), (337, 1482), (449, 1686), (550, 1821), (590, 1899), (601, 1914), (610, 1932), (619, 1950), (642, 1992), (664, 2025), (679, 2043), (737, 2163), (738, 2166), (746, 2178), (751, 2190), (803, 2253), (858, 2310), (862, 2316), (867, 2325), (872, 2334), (873, 2337), (1010, 2499), (1015, 2508), (1021, 2517), (1053, 2556),

Gene: Upyo_2 Start: 552, Stop: 2117, Start Num: 117

Candidate Starts for Upyo_2:

(Start: 117 @552 has 7 MA's), (135, 567), (171, 603), (285, 780), (299, 834), (309, 858), (367, 954), (378, 969), (416, 1020), (432, 1068), (447, 1119), (449, 1131), (475, 1191), (477, 1197), (481, 1203), (594, 1356), (651, 1455), (659, 1467), (701, 1518), (707, 1524), (720, 1563), (738, 1617), (748, 1635), (820, 1749), (862, 1821), (888, 1875), (967, 1956), (1083, 2109),

Gene: Urkel_8 Start: 1566, Stop: 2987, Start Num: 167

Candidate Starts for Urkel_8:

(88, 1494), (Start: 117 @1533 has 7 MA's), (Start: 156 @1554 has 11 MA's), (Start: 167 @1566 has 168 MA's), (Start: 229 @1677 has 18 MA's), (233, 1683), (279, 1761), (283, 1770), (295, 1818), (302, 1836), (333, 1905), (361, 1947), (367, 1953), (387, 1980), (388, 1983), (415, 2007), (445, 2100), (447, 2109), (490, 2190), (501, 2208), (579, 2304), (609, 2352), (613, 2364), (631, 2394), (644, 2418), (651, 2430), (707, 2508), (709, 2514), (800, 2658), (823, 2691), (855, 2745), (993, 2922), (1052, 2976),

Gene: Urla_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for Urla_2:

(Start: 79 @426 has 76 MA's), (219, 615), (Start: 234 @636 has 4 MA's), (283, 696), (291, 732), (299, 756), (302, 762), (310, 780), (374, 882), (405, 942), (432, 1011), (434, 1017), (450, 1077), (476, 1137), (500, 1173), (533, 1236), (551, 1266), (619, 1362), (674, 1449), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (814, 1668), (829, 1689), (831, 1692), (883, 1755), (896, 1779), (987, 1857), (1015, 1896), (1080, 1977),

Gene: Utopia_1 Start: 76, Stop: 1755, Start Num: 113

Candidate Starts for Utopia_1:

(64, 22), (Start: 113 @76 has 11 MA's), (Start: 195 @175 has 1 MA's), (219, 229), (231, 244), (246, 274), (249, 277), (261, 304), (334, 475), (336, 481), (343, 490), (453, 712), (486, 775), (546, 856), (581, 916), (604, 946), (737, 1183), (738, 1186), (802, 1300), (807, 1306), (838, 1354), (858, 1384), (896, 1456), (951, 1510), (981, 1552),

Gene: Utz_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Utz_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (360, 783), (367, 795), (386, 816), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (896, 1689), (904, 1701), (936,

1743), (945, 1758), (959, 1779), (971, 1794), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Vagabond_31 Start: 13344, Stop: 14858, Start Num: 76

Candidate Starts for Vagabond_31:

(Start: 76 @13344 has 17 MA's), (Start: 78 @13347 has 19 MA's), (Start: 215 @13527 has 1 MA's), (269, 13620), (294, 13695), (310, 13728), (323, 13755), (333, 13785), (431, 13938), (433, 13944), (445, 13980), (447, 13989), (490, 14070), (495, 14079), (497, 14082), (540, 14121), (576, 14178), (596, 14214), (601, 14217), (706, 14373), (709, 14382), (737, 14451), (741, 14460), (746, 14466), (769, 14499), (800, 14535), (855, 14622), (871, 14643), (932, 14706), (935, 14709), (938, 14712), (947, 14730), (963, 14751), (993, 14793), (1026, 14829), (1047, 14841),

Gene: Validus_8 Start: 1576, Stop: 3006, Start Num: 167

Candidate Starts for Validus_8:

(Start: 79 @1492 has 76 MA's), (Start: 167 @1576 has 168 MA's), (Start: 215 @1666 has 1 MA's), (Start: 229 @1690 has 18 MA's), (233, 1696), (254, 1735), (279, 1774), (283, 1783), (285, 1789), (295, 1831), (302, 1849), (315, 1867), (333, 1918), (387, 1993), (445, 2113), (447, 2122), (490, 2203), (539, 2251), (579, 2317), (609, 2365), (613, 2377), (631, 2407), (644, 2431), (661, 2458), (709, 2527), (726, 2569), (741, 2599), (755, 2623), (800, 2671), (823, 2704), (843, 2734), (855, 2758), (935, 2848), (993, 2938), (1052, 2995), (1056, 3001),

Gene: Vallejo_5 Start: 3064, Stop: 4629, Start Num: 79

Candidate Starts for Vallejo_5:

(Start: 79 @3064 has 76 MA's), (Start: 234 @3274 has 4 MA's), (Start: 236 @3277 has 15 MA's), (281, 3328), (296, 3385), (299, 3394), (310, 3418), (427, 3634), (432, 3649), (434, 3655), (450, 3715), (476, 3775), (533, 3874), (551, 3904), (619, 4000), (665, 4078), (674, 4087), (707, 4123), (720, 4162), (735, 4195), (738, 4204), (753, 4231), (797, 4285), (829, 4327), (860, 4348), (873, 4372), (883, 4393), (896, 4417), (987, 4495), (1080, 4615),

Gene: Vanisius_3 Start: 1086, Stop: 2546, Start Num: 108

Candidate Starts for Vanisius_3:

(Start: 108 @1086 has 144 MA's), (Start: 114 @1092 has 2 MA's), (Start: 236 @1254 has 15 MA's), (240, 1263), (282, 1323), (303, 1392), (319, 1413), (337, 1464), (449, 1668), (590, 1881), (601, 1896), (619, 1932), (642, 1974), (664, 2007), (679, 2025), (737, 2145), (738, 2148), (746, 2160), (803, 2235), (862, 2298), (872, 2316), (873, 2319), (1010, 2481), (1015, 2490), (1021, 2499), (1053, 2538),

Gene: Vasanti_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Vasanti_2:

(Start: 61 @258 has 1 MA's), (Start: 102 @318 has 55 MA's), (238, 504), (257, 537), (291, 618), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (800, 1506), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (951, 1746), (1064, 1872),

Gene: Vash_2 Start: 591, Stop: 2153, Start Num: 134

Candidate Starts for Vash_2:

(Start: 134 @591 has 2 MA's), (Start: 189 @660 has 1 MA's), (283, 816), (295, 864), (331, 945), (332, 948), (343, 969), (345, 972), (360, 990), (366, 999), (385, 1020), (418, 1053), (425, 1083), (432, 1098), (460, 1191), (523, 1314), (533, 1347), (539, 1380), (587, 1479), (618, 1542), (621, 1548), (658, 1617), (664, 1623), (693, 1668), (696, 1674), (716, 1722), (771, 1827), (773, 1830), (785, 1848), (901, 2004), (934, 2028), (937, 2031), (989, 2103),

Gene: Veliki_8 Start: 1637, Stop: 3058, Start Num: 167

Candidate Starts for Veliki_8:

(88, 1565), (Start: 156 @1625 has 11 MA's), (Start: 167 @1637 has 168 MA's), (Start: 229 @1748 has 18 MA's), (233, 1754), (279, 1832), (283, 1841), (295, 1889), (302, 1907), (333, 1976), (361, 2018), (367, 2024), (387, 2051), (388, 2054), (445, 2171), (447, 2180), (490, 2261), (579, 2375), (609, 2423), (613, 2435), (631, 2465), (644, 2489), (651, 2501), (707, 2579), (709, 2585), (800, 2729), (823, 2762), (855, 2816), (993, 2993), (1052, 3047),

Gene: Velveteen_3 Start: 671, Stop: 2158, Start Num: 154

Candidate Starts for Velveteen_3:

(121, 659), (Start: 154 @671 has 85 MA's), (Start: 229 @797 has 18 MA's), (233, 803), (256, 845), (262, 851), (277, 884), (281, 890), (283, 896), (292, 935), (300, 959), (314, 977), (315, 980), (330, 1022), (337, 1043), (356, 1070), (363, 1079), (368, 1088), (371, 1091), (387, 1115), (415, 1142), (433, 1199), (438, 1220), (447, 1244), (449, 1256), (460, 1277), (466, 1289), (487, 1322), (491, 1328), (540, 1397), (542, 1403), (556, 1436), (574, 1472), (610, 1532), (613, 1541), (628, 1568), (681, 1646), (731, 1742), (760, 1787), (821, 1859), (845, 1898), (868, 1934), (871, 1940), (890, 1964), (924, 1994), (932, 2000), (962, 2042), (964, 2045), (966, 2048), (993, 2090), (1004, 2102), (1012, 2114),

Gene: Vendetta_7 Start: 3467, Stop: 5074, Start Num: 111

Candidate Starts for Vendetta_7:

(Start: 52 @3389 has 3 MA's), (Start: 111 @3467 has 6 MA's), (283, 3695), (310, 3779), (326, 3800), (333, 3821), (416, 3959), (434, 4013), (460, 4100), (461, 4103), (476, 4133), (564, 4238), (619, 4340), (695, 4463), (725, 4550), (731, 4565), (738, 4580), (781, 4643), (835, 4712), (860, 4754), (873, 4778), (901, 4829), (902, 4832), (933, 4865), (987, 4931), (1024, 4982), (1084, 5060), (1087, 5066),

Gene: Venti_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Venti_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Vetrix_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Vetrix_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Vidya_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Vidya_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Vinye_4 Start: 799, Stop: 2292, Start Num: 113

Candidate Starts for Vinye_4:

(Start: 113 @799 has 11 MA's), (Start: 163 @841 has 17 MA's), (Start: 221 @943 has 1 MA's), (239, 970), (282, 1024), (285, 1033), (291, 1063), (294, 1072), (337, 1165), (432, 1312), (433, 1315), (448, 1363), (455, 1393), (484, 1444), (489, 1450), (496, 1462), (545, 1504), (555, 1525), (629, 1657), (648, 1690), (678, 1732), (726, 1825), (733, 1840), (777, 1906), (855, 2011), (884, 2056), (890, 2065), (961, 2125), (978, 2149), (987, 2164), (1017, 2206), (1027, 2218),

Gene: Vitas_2 Start: 593, Stop: 2155, Start Num: 137

Candidate Starts for Vitas_2:

(Start: 137 @593 has 81 MA's), (Start: 211 @701 has 2 MA's), (240, 749), (299, 857), (302, 863), (307, 872), (309, 878), (310, 881), (369, 977), (416, 1040), (450, 1154), (476, 1214), (488, 1232), (606, 1460), (625, 1505), (715, 1643), (952, 1970), (1084, 2144), (1086, 2147),

Gene: VitulaEligans_3 Start: 1155, Stop: 2615, Start Num: 108

Candidate Starts for VitulaEligans_3:

(Start: 108 @1155 has 144 MA's), (Start: 114 @1161 has 2 MA's), (Start: 236 @1323 has 15 MA's), (240, 1332), (282, 1392), (303, 1461), (319, 1482), (337, 1533), (449, 1737), (550, 1872), (590, 1950), (601, 1965), (619, 2001), (642, 2043), (664, 2076), (679, 2094), (737, 2214), (738, 2217), (746, 2229), (803, 2304), (862, 2367), (872, 2385), (873, 2388), (1010, 2550), (1015, 2559), (1021, 2568),

Gene: ViviJ_5 Start: 1089, Stop: 2516, Start Num: 175

Candidate Starts for ViviJ_5:

(Start: 175 @1089 has 25 MA's), (204, 1146), (Start: 215 @1167 has 1 MA's), (Start: 229 @1191 has 18 MA's), (279, 1275), (283, 1284), (285, 1290), (302, 1350), (315, 1368), (333, 1419), (359, 1458), (431, 1572), (445, 1614), (447, 1623), (448, 1626), (490, 1704), (579, 1818), (609, 1866), (613, 1878), (631, 1908), (651, 1944), (671, 1971), (709, 2028), (741, 2112), (755, 2136), (821, 2214), (855, 2271), (872, 2295), (890, 2319), (993, 2448), (1052, 2505),

Gene: Volt_36 Start: 10775, Stop: 12181, Start Num: 188

Candidate Starts for Volt_36:

(141, 10718), (Start: 188 @10775 has 6 MA's), (268, 10901), (290, 10961), (293, 10970), (331, 11054), (354, 11108), (432, 11234), (434, 11240), (438, 11258), (461, 11324), (498, 11378), (518, 11411), (550, 11456), (616, 11549), (671, 11627), (702, 11672), (709, 11690), (748, 11753), (751, 11759), (848, 11885), (874, 11930), (889, 11948), (1021, 12122),

Gene: Vorrps_30 Start: 13119, Stop: 14630, Start Num: 78

Candidate Starts for Vorrps_30:

(Start: 76 @13116 has 17 MA's), (Start: 78 @13119 has 19 MA's), (Start: 215 @13299 has 1 MA's), (269, 13392), (294, 13467), (310, 13500), (323, 13527), (333, 13557), (431, 13710), (433, 13716), (445, 13752), (447, 13761), (490, 13842), (495, 13851), (497, 13854), (540, 13893), (576, 13950), (596, 13986), (601, 13989), (706, 14145), (709, 14154), (737, 14223), (741, 14232), (746, 14238), (769, 14271), (800, 14307), (855, 14394), (871, 14415), (932, 14478), (935, 14481), (938, 14484), (947, 14502), (963, 14523), (993, 14565), (1026, 14601), (1047, 14613),

Gene: Vulpecula_3 Start: 1027, Stop: 2607, Start Num: 152

Candidate Starts for Vulpecula_3:

(25, 850), (Start: 85 @961 has 13 MA's), (Start: 152 @1027 has 16 MA's), (Start: 212 @1123 has 10 MA's), (217, 1132), (294, 1264), (299, 1279), (310, 1303), (450, 1576), (454, 1588), (476, 1636), (490, 1657), (521, 1717), (531, 1747), (534, 1756), (564, 1819), (693, 2035), (702, 2047), (731, 2113), (738, 2128), (755, 2158), (790, 2197), (796, 2206), (801, 2215), (863, 2305), (1017, 2515), (1082, 2596),

Gene: Vulture_2 Start: 429, Stop: 1994, Start Num: 79

Candidate Starts for Vulture_2:

(Start: 79 @429 has 76 MA's), (Start: 211 @600 has 2 MA's), (281, 693), (296, 750), (299, 759), (310, 783), (337, 837), (416, 966), (450, 1080), (476, 1140), (496, 1170), (551, 1269), (559, 1284), (674, 1452), (720, 1527), (721, 1530), (735, 1560), (794, 1644), (829, 1692), (862, 1716), (947, 1806), (987, 1860), (1053, 1941), (1080, 1980),

Gene: WST1_2 Start: 747, Stop: 2147, Start Num: 215

Candidate Starts for WST1_2:

(89, 600), (Start: 173 @663 has 4 MA's), (Start: 215 @747 has 1 MA's), (295, 909), (315, 945), (333, 996), (336, 1005), (445, 1191), (449, 1212), (460, 1233), (466, 1245), (490, 1281), (495, 1290), (532, 1353), (609, 1491), (613, 1503), (707, 1644), (709, 1650), (741, 1719), (751, 1737), (776, 1767), (800, 1791), (821, 1821), (843, 1854), (855, 1878), (890, 1932), (919, 1956),

Gene: WalkingDead_3 Start: 947, Stop: 2572, Start Num: 137

Candidate Starts for WalkingDead_3:

(Start: 137 @947 has 81 MA's), (240, 1103), (285, 1157), (299, 1211), (307, 1226), (343, 1295), (375, 1340), (433, 1445), (434, 1448), (450, 1508), (455, 1526), (456, 1529), (471, 1556), (488, 1586), (564, 1748), (694, 1964), (731, 2039), (737, 2051), (987, 2405),

Gene: Walrus_2 Start: 361, Stop: 1959, Start Num: 128

Candidate Starts for Walrus_2:

(Start: 102 @334 has 55 MA's), (Start: 122 @355 has 3 MA's), (Start: 128 @361 has 39 MA's), (210, 475), (214, 484), (238, 517), (247, 535), (257, 550), (272, 571), (282, 592), (290, 628), (299, 655), (315, 691), (329, 727), (333, 739), (360, 781), (362, 784), (450, 961), (468, 1003), (477, 1018), (488, 1033), (490, 1036), (544, 1111), (569, 1162), (676, 1318), (691, 1339), (693, 1342), (730, 1429), (737, 1441), (758, 1474), (760, 1477), (794, 1516), (797, 1522), (800, 1525), (846, 1594), (847, 1597), (878, 1657), (881, 1660), (884, 1669), (936, 1738), (945, 1753), (1078, 1942),

Gene: Wamburgrxpress_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Wamburgrxpress_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Wanda_10 Start: 3688, Stop: 5220, Start Num: 163

Candidate Starts for Wanda_10:

(Start: 93 @3604 has 5 MA's), (126, 3646), (135, 3655), (Start: 163 @3688 has 17 MA's), (232, 3802), (268, 3865), (284, 3898), (285, 3901), (294, 3940), (296, 3946), (330, 4021), (333, 4030), (413, 4132), (426, 4171), (436, 4204), (581, 4453), (616, 4516), (630, 4543), (719, 4702), (735, 4738), (748, 4759), (753, 4768), (758, 4777), (809, 4831), (826, 4855), (896, 4936), (1011, 5089), (1018, 5101),

Gene: Waterfoul_6 Start: 1347, Stop: 2774, Start Num: 175

Candidate Starts for Waterfoul_6:

(Start: 79 @1254 has 76 MA's), (Start: 175 @1347 has 25 MA's), (204, 1404), (Start: 215 @1425 has 1 MA's), (Start: 229 @1449 has 18 MA's), (279, 1533), (283, 1542), (285, 1548), (295, 1590), (302, 1608), (315, 1626), (333, 1677), (339, 1692), (387, 1752), (431, 1830), (445, 1872), (447, 1881), (448, 1884), (490, 1962), (579, 2076), (609, 2124), (631, 2166), (644, 2190), (651, 2202), (671, 2229), (705, 2274), (709, 2286), (794, 2433), (821, 2472), (855, 2529), (872, 2553), (890, 2577), (919, 2601), (989, 2700), (993, 2706), (1052, 2763),

Gene: Wawa_5 Start: 3103, Stop: 4668, Start Num: 79

Candidate Starts for Wawa_5:

(Start: 79 @3103 has 76 MA's), (Start: 234 @3313 has 4 MA's), (Start: 236 @3316 has 15 MA's), (281, 3367), (299, 3433), (310, 3457), (427, 3673), (431, 3685), (432, 3688), (434, 3694), (450, 3754), (476, 3814), (483, 3826), (533, 3913), (551, 3943), (559, 3958), (619, 4039), (665, 4117), (674, 4126), (707, 4162), (720, 4201), (735, 4234), (738, 4243), (753, 4270), (797, 4324), (829, 4366), (873, 4411), (883, 4432), (896, 4456), (987, 4534), (1080, 4654),

Gene: Wayne_5 Start: 3150, Stop: 4718, Start Num: 79

Candidate Starts for Wayne_5:

(Start: 79 @3150 has 76 MA's), (217, 3336), (Start: 236 @3366 has 15 MA's), (281, 3417), (285, 3429), (291, 3459), (296, 3474), (310, 3507), (374, 3609), (416, 3690), (432, 3738), (450, 3804), (471, 3852), (475, 3861), (477, 3867), (520, 3936), (533, 3963), (551, 3993), (577, 4032), (707, 4212), (735, 4284), (753, 4320), (829, 4416), (883, 4482), (928, 4512), (933, 4518), (987, 4584), (1080, 4704),

Gene: Webster2_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Webster2_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Weirdo19_2 Start: 543, Stop: 2216, Start Num: 41

Candidate Starts for Weirdo19_2:

(23, 483), (31, 522), (41, 543), (Start: 236 @729 has 15 MA's), (244, 747), (259, 768), (264, 780), (265, 783), (291, 861), (292, 864), (329, 945), (394, 1044), (413, 1074), (432, 1131), (445, 1170), (504, 1293), (589, 1482), (651, 1572), (664, 1590), (669, 1596), (689, 1620), (704, 1638), (730, 1713), (735, 1719), (748, 1743), (782, 1782), (797, 1806), (801, 1812), (823, 1842), (826, 1848), (829, 1851), (846, 1878), (881, 1944), (914, 1995), (920, 2004), (936, 2022), (968, 2067), (975, 2076), (980, 2085), (1007, 2121), (1021, 2127), (1082, 2205),

Gene: Wendigo_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Wendigo_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Westrich_4 Start: 958, Stop: 2538, Start Num: 152

Candidate Starts for Westrich_4:

(Start: 85 @892 has 13 MA's), (Start: 152 @958 has 16 MA's), (Start: 212 @1054 has 10 MA's), (217, 1063), (Start: 221 @1072 has 1 MA's), (Start: 236 @1093 has 15 MA's), (248, 1117), (281, 1144), (285, 1156), (294, 1195), (299, 1210), (310, 1234), (326, 1255), (435, 1456), (450, 1507), (455, 1525), (476, 1567), (490, 1588), (521, 1648), (531, 1678), (534, 1687), (564, 1750), (702, 1978), (720, 2017), (731, 2044), (738, 2059), (755, 2089), (790, 2128), (844, 2206), (863, 2236), (877, 2263), (1017, 2446), (1021, 2452), (1041, 2473), (1082, 2527),

Gene: Whack_2 Start: 366, Stop: 1988, Start Num: 95

Candidate Starts for Whack_2:

(Start: 82 @345 has 1 MA's), (87, 351), (Start: 95 @366 has 2 MA's), (204, 504), (238, 564), (257, 597), (295, 690), (329, 762), (346, 804), (428, 921), (445, 972), (450, 996), (515, 1113), (528, 1131), (654, 1332), (705, 1398), (711, 1416), (715, 1428), (760, 1518), (779, 1536), (819, 1593), (847, 1638), (853, 1653), (878, 1698),

Gene: WheatThin_6 Start: 1978, Stop: 3408, Start Num: 236

Candidate Starts for WheatThin_6:

(Start: 120 @1810 has 2 MA's), (Start: 122 @1813 has 3 MA's), (Start: 131 @1822 has 13 MA's), (Start: 236 @1978 has 15 MA's), (244, 1996), (299, 2119), (310, 2137), (327, 2176), (330, 2185), (386, 2269), (433, 2353), (437, 2368), (448, 2401), (476, 2467), (547, 2599), (652, 2788), (666, 2800), (704, 2848), (718, 2890), (741, 2941), (797, 3016), (800, 3019), (819, 3046), (853, 3106), (875, 3139), (881, 3154), (904, 3190), (936, 3232), (951, 3259), (980, 3295), (984, 3301), (1021, 3340),

Gene: Whirlwind_6 Start: 1185, Stop: 2750, Start Num: 74

Candidate Starts for Whirlwind_6:

(Start: 74 @1185 has 76 MA's), (Start: 78 @1191 has 19 MA's), (206, 1362), (281, 1467), (285, 1479), (346, 1635), (350, 1644), (358, 1647), (360, 1650), (413, 1725), (431, 1779), (432, 1782), (433, 1785), (558, 2016), (603, 2091), (614, 2112), (616, 2118), (663, 2187), (688, 2211), (704, 2229), (709, 2244), (720, 2277), (760, 2358), (797, 2397), (801, 2403), (846, 2469), (880, 2523), (905, 2559), (913, 2571), (954, 2610), (1021, 2697), (1055, 2742), (1057, 2745),

Gene: Whiteclaw_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Whiteclaw_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Whitney_3 Start: 673, Stop: 2190, Start Num: 154

Candidate Starts for Whitney_3:

(124, 664), (Start: 154 @673 has 85 MA's), (222, 790), (Start: 229 @799 has 18 MA's), (262, 853), (277, 886), (292, 937), (295, 946), (315, 982), (330, 1024), (337, 1045), (344, 1057), (356, 1072), (368, 1090), (371, 1093), (373, 1096), (387, 1117), (415, 1144), (433, 1201), (447, 1246), (448, 1249), (449, 1258), (460, 1279), (466, 1291), (482, 1318), (491, 1330), (540, 1399), (544, 1411), (579, 1483), (592, 1507), (613, 1543), (628, 1570), (671, 1636), (691, 1657), (743, 1759), (760, 1786), (873, 1945), (890, 1963), (962, 2041), (964, 2044), (966, 2047), (993, 2089), (1004, 2101), (1012, 2113),

Gene: Whytu_1 Start: 77, Stop: 1762, Start Num: 113

Candidate Starts for Whytu_1:

(72, 32), (Start: 113 @77 has 11 MA's), (Start: 195 @176 has 1 MA's), (219, 230), (231, 245), (246, 275), (249, 278), (261, 305), (294, 392), (334, 476), (336, 482), (343, 491), (374, 536), (453, 713), (486, 776), (588, 929), (604, 947), (737, 1184), (738, 1187), (802, 1301), (807, 1307), (838, 1355), (858, 1385), (896, 1457), (951, 1511), (981, 1553), (1076, 1703), (1089, 1739), (1093, 1757),

Gene: Widow_2 Start: 482, Stop: 2065, Start Num: 117

Candidate Starts for Widow_2:

(2, 53), (3, 59), (7, 158), (Start: 117 @482 has 7 MA's), (240, 656), (281, 698), (291, 740), (330, 824), (367, 884), (414, 947), (418, 953), (432, 998), (455, 1082), (475, 1121), (545, 1190), (578, 1253), (611, 1307), (636, 1355), (668, 1406), (694, 1442), (716, 1487), (720, 1499), (735, 1535), (738, 1544), (748, 1562), (820, 1673), (862, 1745), (863, 1748), (873, 1766), (890, 1802), (967, 1901), (1083, 2057),

Gene: Wigglewiggle_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Wigglewiggle_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Wildcat_26 Start: 8104, Stop: 9717, Start Num: 84

Candidate Starts for Wildcat_26:

(Start: 84 @8104 has 6 MA's), (206, 8254), (214, 8272), (Start: 234 @8305 has 4 MA's), (250, 8317), (284, 8368), (285, 8371), (297, 8419), (299, 8425), (320, 8464), (322, 8467), (333, 8500), (376, 8569), (419, 8635), (423, 8653), (431, 8677), (433, 8683), (477, 8788), (504, 8830), (514, 8848), (517, 8857), (647, 9061), (650, 9067), (675, 9100), (755, 9265), (760, 9274), (767, 9280), (769, 9283), (821, 9358), (843, 9391), (850, 9406), (905, 9487), (1017, 9640), (1035, 9661), (1037, 9664),

Gene: Wilder_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Wilder_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Wildflower_31 Start: 13111, Stop: 14625, Start Num: 76

Candidate Starts for Wildflower_31:

(Start: 76 @13111 has 17 MA's), (Start: 78 @13114 has 19 MA's), (Start: 215 @13294 has 1 MA's), (269, 13387), (294, 13462), (310, 13495), (323, 13522), (333, 13552), (431, 13705), (433, 13711), (445, 13747), (447, 13756), (490, 13837), (495, 13846), (497, 13849), (540, 13888), (576, 13945), (596, 13981), (601, 13984), (706, 14140), (709, 14149), (737, 14218), (741, 14227), (746, 14233), (769, 14266), (800, 14302), (855, 14389), (871, 14410), (932, 14473), (935, 14476), (938, 14479), (947, 14497), (963, 14518), (993, 14560), (1023, 14593), (1026, 14596), (1047, 14608),

Gene: WileyE_2 Start: 410, Stop: 1990, Start Num: 152

Candidate Starts for WileyE_2:

(67, 320), (Start: 85 @344 has 13 MA's), (Start: 152 @410 has 16 MA's), (Start: 212 @506 has 10 MA's), (217, 515), (285, 608), (294, 647), (299, 662), (450, 959), (454, 971), (455, 977), (476, 1019), (490, 1040), (521, 1100), (531, 1130), (534, 1139), (564, 1202), (693, 1418), (702, 1430), (731, 1496), (738, 1511), (755, 1541), (790, 1580), (796, 1589), (801, 1598), (863, 1688), (1017, 1898), (1082, 1979),

Gene: William_2 Start: 378, Stop: 1928, Start Num: 147

Candidate Starts for William_2:

(Start: 102 @333 has 55 MA's), (118, 348), (Start: 122 @354 has 3 MA's), (Start: 131 @363 has 13 MA's), (Start: 147 @378 has 5 MA's), (Start: 195 @441 has 1 MA's), (210, 477), (225, 504), (238, 519), (257, 552), (272, 573), (282, 594), (291, 633), (299, 657), (302, 663), (315, 693), (333, 741), (360, 783), (367, 795), (432, 900), (477, 1020), (544, 1113), (560, 1146), (569, 1164), (676, 1320), (691, 1341), (705, 1359), (730, 1431), (760, 1479), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (853, 1614), (904, 1701), (936, 1743), (971, 1794), (1067, 1911), (1070, 1917),

Gene: Willsammy_2 Start: 400, Stop: 2076, Start Num: 51

Candidate Starts for Willsammy_2:

(Start: 51 @400 has 50 MA's), (207, 616), (228, 655), (268, 712), (280, 736), (292, 781), (296, 793), (299, 802), (302, 808), (329, 865), (336, 886), (341, 898), (404, 988), (476, 1177), (544, 1273), (558, 1303), (569, 1324), (660, 1465), (676, 1477), (707, 1522), (745, 1609), (794, 1675), (800, 1684), (819, 1711), (846, 1753), (853, 1771), (904, 1855), (914, 1870), (1067, 2059),

Gene: Winget_31 Start: 13343, Stop: 14857, Start Num: 76

Candidate Starts for Winget_31:

(Start: 76 @13343 has 17 MA's), (Start: 78 @13346 has 19 MA's), (Start: 215 @13526 has 1 MA's), (269, 13619), (294, 13694), (310, 13727), (323, 13754), (333, 13784), (431, 13937), (433, 13943),

(445, 13979), (447, 13988), (490, 14069), (495, 14078), (497, 14081), (540, 14120), (576, 14177), (596, 14213), (601, 14216), (706, 14372), (709, 14381), (737, 14450), (741, 14459), (746, 14465), (769, 14498), (800, 14534), (855, 14621), (871, 14642), (932, 14705), (935, 14708), (938, 14711), (947, 14729), (963, 14750), (993, 14792), (1026, 14828), (1047, 14840),

Gene: WinkNick_3 Start: 820, Stop: 2379, Start Num: 102

Candidate Starts for WinkNick_3:

(Start: 61 @760 has 1 MA's), (Start: 102 @820 has 55 MA's), (Start: 196 @928 has 6 MA's), (238, 1006), (257, 1039), (291, 1120), (292, 1123), (295, 1132), (315, 1168), (337, 1228), (413, 1318), (415, 1321), (445, 1414), (450, 1438), (488, 1510), (528, 1573), (569, 1639), (589, 1681), (640, 1750), (644, 1756), (676, 1795), (689, 1816), (707, 1840), (709, 1846), (716, 1867), (735, 1912), (757, 1948), (758, 1951), (796, 1993), (876, 2122), (906, 2173), (1001, 2302), (1064, 2362),

Gene: Winky_4 Start: 1069, Stop: 2637, Start Num: 74

Candidate Starts for Winky_4:

(Start: 74 @1069 has 76 MA's), (Start: 78 @1075 has 19 MA's), (199, 1231), (350, 1528), (360, 1534), (402, 1594), (431, 1666), (433, 1672), (438, 1693), (488, 1792), (515, 1840), (554, 1894), (566, 1918), (591, 1963), (595, 1969), (614, 1999), (616, 2005), (633, 2032), (637, 2041), (688, 2098), (692, 2104), (707, 2125), (709, 2131), (738, 2206), (739, 2209), (760, 2245), (801, 2290), (846, 2356), (893, 2431), (907, 2449), (913, 2458), (1040, 2605), (1055, 2629), (1057, 2632),

Gene: Wintermute_9 Start: 2464, Stop: 3909, Start Num: 167

Candidate Starts for Wintermute_9:

(Start: 167 @2464 has 168 MA's), (Start: 229 @2569 has 18 MA's), (279, 2653), (283, 2662), (295, 2710), (300, 2725), (315, 2752), (333, 2803), (340, 2821), (367, 2851), (387, 2878), (431, 2956), (445, 2998), (447, 3007), (448, 3010), (490, 3088), (495, 3097), (539, 3136), (579, 3202), (609, 3250), (631, 3292), (709, 3409), (725, 3451), (741, 3496), (797, 3565), (829, 3610), (843, 3631), (855, 3655), (993, 3832), (1052, 3898), (1056, 3904),

Gene: Wishmaker_5 Start: 1855, Stop: 3489, Start Num: 69

Candidate Starts for Wishmaker_5:

(Start: 69 @1855 has 20 MA's), (Start: 97 @1894 has 3 MA's), (Start: 154 @1942 has 85 MA's), (257, 2113), (280, 2152), (358, 2332), (365, 2341), (369, 2350), (413, 2413), (417, 2419), (442, 2503), (443, 2506), (445, 2509), (488, 2605), (490, 2608), (495, 2617), (536, 2683), (558, 2713), (571, 2740), (588, 2773), (606, 2794), (608, 2797), (676, 2893), (691, 2914), (730, 3004), (757, 3046), (772, 3064), (779, 3070), (823, 3133), (826, 3139), (829, 3142), (853, 3187), (858, 3193), (875, 3220), (881, 3235), (914, 3286), (920, 3295), (933, 3310), (936, 3313), (959, 3352), (971, 3367), (980, 3382), (982, 3385), (1061, 3463), (1066, 3469),

Gene: Wisp_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Wisp_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (800, 1527), (801, 1530), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Witch_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Witch_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223),

(862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Wizzo_2 Start: 378, Stop: 1889, Start Num: 153

Candidate Starts for Wizzo_2:

(Start: 153 @378 has 41 MA's), (184, 417), (194, 435), (Start: 208 @462 has 2 MA's), (217, 480), (Start: 234 @507 has 4 MA's), (Start: 236 @510 has 15 MA's), (278, 558), (283, 567), (285, 573), (294, 612), (296, 618), (315, 651), (323, 669), (331, 693), (333, 699), (350, 738), (353, 747), (355, 750), (381, 789), (383, 792), (419, 861), (432, 906), (433, 909), (438, 930), (445, 945), (447, 954), (479, 1026), (492, 1044), (493, 1047), (499, 1053), (551, 1134), (567, 1155), (601, 1191), (616, 1227), (658, 1293), (683, 1326), (687, 1335), (704, 1356), (718, 1398), (760, 1476), (769, 1485), (789, 1497), (811, 1530), (826, 1551), (829, 1554), (831, 1557), (841, 1569), (859, 1599), (862, 1602), (872, 1620), (875, 1626), (893, 1647), (938, 1704), (940, 1707), (946, 1719), (952, 1731), (1004, 1806), (1034, 1842), (1058, 1875), (1063, 1881),

Gene: Wocket_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Wocket_2:

(49, 255), (Start: 128 @360 has 39 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (490, 1038), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: Wogge42_30 Start: 13433, Stop: 14947, Start Num: 76

Candidate Starts for Wogge42_30:

(Start: 76 @13433 has 17 MA's), (Start: 78 @13436 has 19 MA's), (Start: 215 @13616 has 1 MA's), (269, 13709), (294, 13784), (310, 13817), (323, 13844), (333, 13874), (431, 14027), (433, 14033), (445, 14069), (447, 14078), (490, 14159), (495, 14168), (497, 14171), (540, 14210), (576, 14267), (596, 14303), (601, 14306), (706, 14462), (709, 14471), (737, 14540), (741, 14549), (746, 14555), (769, 14588), (800, 14624), (855, 14711), (871, 14732), (932, 14795), (935, 14798), (938, 14801), (947, 14819), (963, 14840), (993, 14882), (1023, 14915), (1026, 14918), (1047, 14930),

Gene: Wolfpack_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Wolfpack_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (456, 1677), (550, 1788), (590, 1866), (601, 1881), (619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1053, 2523),

Gene: WonderBoy_2 Start: 426, Stop: 1991, Start Num: 79

Candidate Starts for WonderBoy_2:

(Start: 79 @426 has 76 MA's), (187, 549), (Start: 234 @636 has 4 MA's), (Start: 236 @639 has 15 MA's), (281, 690), (291, 732), (296, 747), (299, 756), (310, 780), (405, 942), (450, 1077), (456, 1098), (476, 1137), (533, 1236), (551, 1266), (559, 1281), (586, 1314), (619, 1362), (624, 1371), (674, 1449), (707, 1485), (720, 1524), (735, 1557), (738, 1566), (753, 1593), (797, 1647), (829, 1689), (873, 1734), (883, 1755), (896, 1779), (987, 1857),

Gene: WorldChangers_1 Start: 166, Stop: 1725, Start Num: 74

Candidate Starts for WorldChangers_1:

(Start: 74 @166 has 76 MA's), (Start: 128 @220 has 39 MA's), (165, 262), (219, 370), (226, 379), (334, 595), (336, 601), (345, 613), (418, 715), (431, 757), (453, 832), (527, 946), (546, 976), (549, 979), (604, 1063), (614, 1084), (619, 1096), (651, 1156), (714, 1246), (738, 1303), (807, 1423), (838, 1471), (865,

1513), (967, 1648), (981, 1669),

Gene: Wyatt2_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Wyatt2_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Xavia_2 Start: 404, Stop: 2080, Start Num: 51

Candidate Starts for Xavia_2:

(11, 233), (17, 287), (20, 317), (Start: 51 @404 has 50 MA's), (Start: 137 @515 has 81 MA's), (207, 620), (228, 659), (268, 716), (272, 722), (280, 740), (289, 776), (292, 785), (296, 797), (299, 806), (302, 812), (329, 869), (336, 890), (341, 902), (404, 992), (476, 1181), (544, 1277), (569, 1328), (660, 1469), (676, 1481), (737, 1604), (794, 1679), (800, 1688), (819, 1715), (846, 1757), (853, 1775), (904, 1859), (914, 1874), (1067, 2063),

Gene: Xeno_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Xeno_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Xerxes_2 Start: 501, Stop: 2036, Start Num: 157

Candidate Starts for Xerxes_2:

(Start: 157 @501 has 25 MA's), (Start: 160 @504 has 23 MA's), (174, 516), (Start: 177 @519 has 1 MA's), (204, 576), (Start: 212 @594 has 10 MA's), (218, 606), (274, 678), (284, 696), (288, 714), (293, 735), (323, 798), (336, 837), (358, 870), (386, 918), (426, 1002), (432, 1017), (448, 1068), (449, 1077), (463, 1101), (488, 1140), (490, 1143), (497, 1155), (570, 1281), (581, 1305), (616, 1368), (671, 1452), (712, 1524), (720, 1548), (738, 1590), (744, 1599), (783, 1656), (809, 1695), (847, 1752), (851, 1758), (859, 1761), (881, 1782), (920, 1830), (951, 1866), (1011, 1947), (1014, 1953),

Gene: Ximenita_8 Start: 1691, Stop: 3118, Start Num: 167

Candidate Starts for Ximenita_8:

(Start: 167 @1691 has 168 MA's), (Start: 215 @1781 has 1 MA's), (Start: 229 @1805 has 18 MA's), (233, 1811), (279, 1889), (283, 1898), (295, 1946), (302, 1964), (333, 2033), (359, 2072), (387, 2108), (388, 2111), (431, 2186), (445, 2228), (447, 2237), (490, 2318), (539, 2366), (579, 2432), (606, 2474), (609, 2480), (613, 2492), (617, 2498), (631, 2522), (644, 2546), (648, 2552), (709, 2642), (726, 2684), (794, 2777), (797, 2783), (800, 2786), (823, 2819), (843, 2849), (855, 2873), (890, 2921), (993, 3050), (1052, 3107), (1056, 3113),

Gene: Ximeno_2 Start: 361, Stop: 1926, Start Num: 57

Candidate Starts for Ximeno_2:

(Start: 57 @361 has 1 MA's), (Start: 93 @412 has 5 MA's), (Start: 99 @424 has 4 MA's), (121, 448), (Start: 155 @472 has 8 MA's), (Start: 221 @583 has 1 MA's), (239, 610), (285, 673), (291, 703), (294, 712), (300, 730), (370, 841), (396, 874), (433, 955), (448, 1003), (484, 1084), (585, 1219), (604, 1246), (629, 1297), (648, 1330), (753, 1513), (830, 1606), (855, 1645), (860, 1651), (872, 1660), (890, 1699), (978, 1783), (987, 1798), (1031, 1858), (1062, 1888),

Gene: Y10_09 Start: 2570, Stop: 3910, Start Num: 229

Candidate Starts for Y10_09:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: Y2_09 Start: 2570, Stop: 3910, Start Num: 229

Candidate Starts for Y2_09:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: Yami_3 Start: 1068, Stop: 2522, Start Num: 114

Candidate Starts for Yami_3:

(Start: 108 @1062 has 144 MA's), (Start: 114 @1068 has 2 MA's), (Start: 236 @1230 has 15 MA's), (240, 1239), (282, 1299), (303, 1368), (319, 1389), (337, 1440), (449, 1644), (550, 1779), (590, 1857), (601, 1872), (610, 1890), (619, 1908), (642, 1950), (664, 1983), (679, 2001), (737, 2121), (738, 2124), (746, 2136), (751, 2148), (760, 2160), (803, 2211), (858, 2268), (862, 2274), (867, 2283), (872, 2292), (873, 2295), (1010, 2457), (1015, 2466), (1021, 2475), (1053, 2514),

Gene: YangYin_2 Start: 344, Stop: 1912, Start Num: 77

Candidate Starts for YangYin_2:

(Start: 77 @344 has 24 MA's), (282, 647), (295, 698), (315, 734), (336, 794), (430, 947), (431, 953), (433, 959), (445, 995), (449, 1016), (464, 1046), (490, 1085), (495, 1094), (609, 1247), (651, 1322), (652, 1325), (709, 1403), (718, 1427), (741, 1472), (800, 1553), (823, 1586), (829, 1595), (838, 1610), (843, 1616), (846, 1622), (919, 1712), (930, 1724), (932, 1727), (993, 1820), (1052, 1901),

Gene: Yank_4 Start: 800, Stop: 2290, Start Num: 110

Candidate Starts for Yank_4:

(Start: 110 @800 has 45 MA's), (Start: 163 @845 has 17 MA's), (Start: 221 @947 has 1 MA's), (Start: 234 @965 has 4 MA's), (239, 974), (248, 992), (281, 1025), (282, 1028), (285, 1037), (291, 1067), (300, 1094), (363, 1193), (424, 1292), (432, 1316), (433, 1319), (434, 1322), (448, 1367), (597, 1601), (623, 1649), (629, 1661), (651, 1700), (665, 1718), (678, 1730), (679, 1733), (693, 1754), (696, 1760), (702, 1772), (738, 1850), (777, 1904), (820, 1958), (830, 1970), (890, 2063), (978, 2147), (1017, 2204), (1073, 2273),

Gene: YasnayaPolyana_9 Start: 2570, Stop: 3910, Start Num: 229

Candidate Starts for YasnayaPolyana_9:

(Start: 167 @2465 has 168 MA's), (Start: 229 @2570 has 18 MA's), (279, 2654), (283, 2663), (295, 2711), (300, 2726), (315, 2753), (333, 2804), (340, 2822), (367, 2852), (387, 2879), (431, 2957), (445, 2999), (447, 3008), (448, 3011), (490, 3089), (495, 3098), (539, 3137), (579, 3203), (609, 3251), (631, 3293), (709, 3410), (725, 3452), (741, 3497), (797, 3566), (829, 3611), (843, 3632), (855, 3656), (993, 3833), (1052, 3899), (1056, 3905),

Gene: Yasuo_3 Start: 1071, Stop: 2531, Start Num: 108

Candidate Starts for Yasuo_3:

(Start: 108 @1071 has 144 MA's), (Start: 114 @1077 has 2 MA's), (Start: 236 @1239 has 15 MA's), (240, 1248), (282, 1308), (303, 1377), (319, 1398), (337, 1449), (449, 1653), (590, 1866), (601, 1881),

(619, 1917), (642, 1959), (664, 1992), (679, 2010), (737, 2130), (738, 2133), (746, 2145), (803, 2220), (862, 2283), (872, 2301), (873, 2304), (1010, 2466), (1015, 2475), (1021, 2484), (1053, 2523),

Gene: Yavru_1 Start: 76, Stop: 1761, Start Num: 113

Candidate Starts for Yavru_1:

(64, 22), (Start: 113 @76 has 11 MA's), (Start: 195 @175 has 1 MA's), (219, 229), (231, 244), (246, 274), (249, 277), (261, 304), (334, 475), (336, 481), (337, 484), (343, 490), (349, 502), (453, 712), (486, 775), (529, 829), (546, 856), (581, 916), (604, 946), (738, 1186), (802, 1300), (807, 1306), (838, 1354), (858, 1384), (896, 1456), (951, 1510), (981, 1552),

Gene: Yeet412_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Yeet412_2:

(Start: 102 @318 has 55 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (415, 819), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Yeezy_2 Start: 318, Stop: 1901, Start Num: 102

Candidate Starts for Yeezy_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (238, 504), (257, 537), (292, 621), (295, 630), (337, 726), (415, 819), (445, 912), (450, 936), (468, 978), (528, 1071), (569, 1137), (589, 1179), (646, 1257), (663, 1281), (676, 1293), (689, 1314), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (758, 1458), (796, 1500), (800, 1506), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (950, 1743), (1020, 1827), (1046, 1857),

Gene: YertPhresh_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for YertPhresh_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Yinzer_2 Start: 318, Stop: 1889, Start Num: 102

Candidate Starts for Yinzer_2:

(Start: 102 @318 has 55 MA's), (Start: 196 @426 has 6 MA's), (217, 474), (238, 504), (257, 537), (292, 621), (295, 630), (315, 666), (337, 726), (413, 816), (445, 912), (450, 936), (468, 978), (502, 1032), (528, 1071), (569, 1137), (574, 1149), (589, 1179), (617, 1212), (676, 1293), (707, 1338), (709, 1344), (716, 1365), (757, 1455), (796, 1500), (800, 1506), (821, 1536), (823, 1539), (853, 1593), (876, 1629), (906, 1680), (948, 1740), (950, 1743), (980, 1785), (1064, 1872),

Gene: Yonex_6 Start: 2058, Stop: 3779, Start Num: 98

Candidate Starts for Yonex_6:

(73, 2022), (Start: 98 @2058 has 36 MA's), (Start: 116 @2079 has 19 MA's), (203, 2202), (Start: 212 @2223 has 10 MA's), (240, 2271), (282, 2316), (283, 2319), (293, 2361), (299, 2379), (300, 2382), (326, 2424), (374, 2505), (375, 2508), (416, 2562), (450, 2676), (476, 2736), (490, 2757), (585, 2988), (619, 3054), (625, 3069), (715, 3240), (738, 3297), (762, 3339), (794, 3372), (823, 3411), (862, 3453), (952, 3552), (967, 3570), (970, 3573), (974, 3579), (1017, 3642), (1057, 3687), (1092, 3768),

Gene: Yoshi_3 Start: 663, Stop: 2183, Start Num: 154

Candidate Starts for Yoshi_3:

(121, 651), (Start: 154 @663 has 85 MA's), (Start: 229 @789 has 18 MA's), (235, 798), (262, 843), (275, 873), (277, 876), (281, 882), (292, 927), (300, 951), (315, 972), (330, 1014), (337, 1035), (356,

1062), (368, 1080), (371, 1083), (387, 1107), (415, 1134), (433, 1191), (445, 1227), (447, 1236), (449, 1248), (451, 1254), (460, 1269), (466, 1281), (482, 1308), (487, 1314), (491, 1320), (515, 1356), (520, 1365), (542, 1395), (555, 1425), (556, 1428), (610, 1524), (613, 1533), (628, 1560), (685, 1644), (701, 1659), (755, 1770), (760, 1779), (769, 1788), (821, 1851), (868, 1926), (873, 1938), (890, 1956), (932, 1992), (962, 2034), (966, 2040), (993, 2082), (1004, 2094), (1012, 2106), (1071, 2172),

Gene: YoureAdopted_7 Start: 1563, Stop: 2984, Start Num: 167

Candidate Starts for YoureAdopted_7:

(88, 1491), (Start: 156 @1551 has 11 MA's), (Start: 167 @1563 has 168 MA's), (Start: 229 @1674 has 18 MA's), (233, 1680), (279, 1758), (283, 1767), (295, 1815), (302, 1833), (333, 1902), (361, 1944), (367, 1950), (387, 1977), (388, 1980), (445, 2097), (447, 2106), (490, 2187), (579, 2301), (609, 2349), (613, 2361), (631, 2391), (644, 2415), (651, 2427), (661, 2442), (707, 2505), (709, 2511), (800, 2655), (823, 2688), (855, 2742), (993, 2919), (1052, 2973),

Gene: YoyoKar_29 Start: 13078, Stop: 14592, Start Num: 76

Candidate Starts for YoyoKar_29:

(Start: 76 @13078 has 17 MA's), (Start: 78 @13081 has 19 MA's), (Start: 215 @13261 has 1 MA's), (269, 13354), (294, 13429), (310, 13462), (323, 13489), (333, 13519), (431, 13672), (433, 13678), (445, 13714), (447, 13723), (490, 13804), (495, 13813), (497, 13816), (540, 13855), (576, 13912), (596, 13948), (601, 13951), (706, 14107), (709, 14116), (737, 14185), (741, 14194), (746, 14200), (769, 14233), (800, 14269), (855, 14356), (871, 14377), (932, 14440), (935, 14443), (938, 14446), (947, 14464), (963, 14485), (993, 14527), (1023, 14560), (1026, 14563), (1047, 14575),

Gene: Yubaba_3 Start: 1074, Stop: 2534, Start Num: 108

Candidate Starts for Yubaba_3:

(Start: 108 @1074 has 144 MA's), (Start: 114 @1080 has 2 MA's), (Start: 236 @1242 has 15 MA's), (240, 1251), (282, 1311), (303, 1380), (319, 1401), (337, 1452), (449, 1656), (590, 1869), (601, 1884), (619, 1920), (642, 1962), (664, 1995), (679, 2013), (737, 2133), (738, 2136), (746, 2148), (803, 2223), (862, 2286), (872, 2304), (873, 2307), (1010, 2469), (1015, 2478), (1021, 2487), (1053, 2526),

Gene: Yuna_8 Start: 1651, Stop: 3090, Start Num: 156

Candidate Starts for Yuna_8:

(Start: 79 @1579 has 76 MA's), (88, 1591), (Start: 156 @1651 has 11 MA's), (Start: 167 @1663 has 168 MA's), (Start: 215 @1753 has 1 MA's), (Start: 229 @1777 has 18 MA's), (233, 1783), (279, 1861), (283, 1870), (285, 1876), (295, 1918), (298, 1927), (302, 1936), (315, 1954), (333, 2005), (359, 2044), (367, 2053), (387, 2080), (445, 2200), (447, 2209), (490, 2290), (579, 2404), (606, 2446), (609, 2452), (613, 2464), (631, 2494), (648, 2524), (661, 2545), (707, 2608), (709, 2614), (726, 2656), (794, 2749), (800, 2758), (829, 2800), (846, 2827), (855, 2845), (876, 2878), (1004, 3034), (1052, 3079), (1056, 3085),

Gene: YungJamal_33 Start: 13409, Stop: 14920, Start Num: 78

Candidate Starts for YungJamal_33:

(Start: 76 @13406 has 17 MA's), (Start: 78 @13409 has 19 MA's), (Start: 215 @13589 has 1 MA's), (269, 13682), (294, 13757), (310, 13790), (323, 13817), (333, 13847), (431, 14000), (433, 14006), (445, 14042), (447, 14051), (490, 14132), (495, 14141), (497, 14144), (540, 14183), (576, 14240), (596, 14276), (601, 14279), (706, 14435), (709, 14444), (737, 14513), (741, 14522), (746, 14528), (769, 14561), (800, 14597), (855, 14684), (871, 14705), (932, 14768), (935, 14771), (938, 14774), (947, 14792), (963, 14813), (993, 14855), (1026, 14891), (1047, 14903),

Gene: Yunkel11_8 Start: 1587, Stop: 3011, Start Num: 167

Candidate Starts for Yunkel11_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 215 @1674 has 1 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (254, 1743), (279, 1782), (283, 1791), (285,

1797), (295, 1839), (302, 1857), (315, 1875), (333, 1926), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (497, 2223), (539, 2259), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (648, 2445), (661, 2466), (709, 2535), (741, 2607), (797, 2676), (800, 2679), (823, 2712), (855, 2766), (872, 2790), (935, 2853), (993, 2943), (1052, 3000), (1056, 3006),

Gene: ZAYM_2 Start: 521, Stop: 2170, Start Num: 93

Candidate Starts for ZAYM_2:

(Start: 93 @521 has 5 MA's), (Start: 117 @551 has 7 MA's), (238, 722), (285, 806), (333, 932), (336, 941), (379, 1007), (404, 1055), (450, 1190), (569, 1391), (589, 1433), (617, 1466), (676, 1547), (686, 1565), (689, 1568), (758, 1712), (767, 1721), (794, 1754), (797, 1760), (835, 1814), (846, 1832), (853, 1850), (896, 1922), (920, 1958), (962, 2012), (980, 2039), (1002, 2072), (1041, 2123),

Gene: Zabiza_8 Start: 1587, Stop: 3008, Start Num: 167

Candidate Starts for Zabiza_8:

(88, 1515), (Start: 156 @1575 has 11 MA's), (Start: 167 @1587 has 168 MA's), (Start: 229 @1698 has 18 MA's), (233, 1704), (279, 1782), (283, 1791), (295, 1839), (302, 1857), (333, 1926), (361, 1968), (367, 1974), (387, 2001), (388, 2004), (445, 2121), (447, 2130), (490, 2211), (579, 2325), (609, 2373), (613, 2385), (631, 2415), (644, 2439), (651, 2451), (661, 2466), (707, 2529), (709, 2535), (800, 2679), (823, 2712), (855, 2766), (993, 2943), (1052, 2997),

Gene: Zaheer_6 Start: 2162, Stop: 3868, Start Num: 116

Candidate Starts for Zaheer_6:

(73, 2105), (Start: 98 @2141 has 36 MA's), (Start: 116 @2162 has 19 MA's), (187, 2237), (Start: 212 @2306 has 10 MA's), (219, 2321), (240, 2354), (282, 2399), (283, 2402), (293, 2444), (299, 2462), (300, 2465), (326, 2507), (374, 2588), (375, 2591), (416, 2645), (450, 2759), (490, 2840), (523, 2906), (525, 2915), (585, 3077), (619, 3143), (625, 3158), (715, 3329), (738, 3386), (762, 3428), (794, 3461), (823, 3500), (862, 3542), (952, 3641), (967, 3659), (970, 3662), (974, 3668), (1017, 3731), (1092, 3857),

Gene: Zahlia_3 Start: 1176, Stop: 2636, Start Num: 108

Candidate Starts for Zahlia_3:

(Start: 108 @1176 has 144 MA's), (Start: 114 @1182 has 2 MA's), (Start: 236 @1344 has 15 MA's), (240, 1353), (282, 1413), (303, 1482), (319, 1503), (337, 1554), (449, 1758), (590, 1971), (601, 1986), (619, 2022), (642, 2064), (664, 2097), (679, 2115), (737, 2235), (738, 2238), (746, 2250), (803, 2325), (862, 2388), (872, 2406), (873, 2409), (1010, 2571), (1015, 2580), (1021, 2589), (1053, 2628),

Gene: Zakai_4 Start: 1057, Stop: 2625, Start Num: 74

Candidate Starts for Zakai_4:

(Start: 74 @1057 has 76 MA's), (Start: 78 @1063 has 19 MA's), (199, 1219), (350, 1516), (360, 1522), (402, 1582), (431, 1654), (433, 1660), (438, 1681), (488, 1780), (554, 1882), (566, 1906), (591, 1951), (595, 1957), (614, 1987), (616, 1993), (633, 2020), (637, 2029), (688, 2086), (692, 2092), (707, 2113), (709, 2119), (738, 2194), (739, 2197), (760, 2233), (801, 2278), (846, 2344), (893, 2419), (907, 2437), (913, 2446), (1040, 2593), (1055, 2617), (1057, 2620),

Gene: Zakhe101_31 Start: 13259, Stop: 14770, Start Num: 78

Candidate Starts for Zakhe101_31:

(Start: 76 @13256 has 17 MA's), (Start: 78 @13259 has 19 MA's), (Start: 215 @13439 has 1 MA's), (269, 13532), (294, 13607), (310, 13640), (323, 13667), (333, 13697), (431, 13850), (433, 13856), (445, 13892), (447, 13901), (490, 13982), (495, 13991), (497, 13994), (576, 14090), (596, 14126), (601, 14129), (706, 14285), (709, 14294), (737, 14363), (741, 14372), (746, 14378), (769, 14411), (800, 14447), (855, 14534), (871, 14555), (932, 14618), (935, 14621), (938, 14624), (947, 14642), (963, 14663), (993, 14705), (1023, 14738), (1026, 14741), (1047, 14753),

Gene: Zapner_4 Start: 1188, Stop: 2708, Start Num: 154

Candidate Starts for Zapner_4:

(121, 1176), (Start: 154 @1188 has 85 MA's), (Start: 229 @1314 has 18 MA's), (235, 1323), (262, 1368), (275, 1398), (277, 1401), (281, 1407), (292, 1452), (300, 1476), (315, 1497), (330, 1539), (337, 1560), (356, 1587), (368, 1605), (371, 1608), (387, 1632), (415, 1659), (433, 1716), (445, 1752), (447, 1761), (449, 1773), (451, 1779), (460, 1794), (466, 1806), (487, 1839), (491, 1845), (515, 1881), (520, 1890), (542, 1920), (555, 1950), (556, 1953), (610, 2049), (613, 2058), (628, 2085), (685, 2169), (701, 2184), (755, 2295), (760, 2304), (769, 2313), (821, 2376), (868, 2451), (873, 2463), (890, 2481), (932, 2517), (962, 2559), (966, 2565), (993, 2607), (1004, 2619), (1012, 2631), (1071, 2697),

Gene: Zarbodnamra_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Zarbodnamra_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (362, 786), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (838, 1584), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911), (1070, 1917),

Gene: Zaria_4 Start: 1052, Stop: 2635, Start Num: 74

Candidate Starts for Zaria_4:

(Start: 74 @1052 has 76 MA's), (Start: 78 @1058 has 19 MA's), (206, 1229), (269, 1316), (281, 1334), (283, 1340), (291, 1376), (358, 1514), (360, 1517), (413, 1592), (431, 1646), (432, 1649), (433, 1652), (515, 1820), (554, 1874), (558, 1883), (566, 1898), (576, 1919), (603, 1958), (614, 1979), (616, 1985), (633, 2012), (663, 2054), (688, 2078), (704, 2096), (707, 2105), (709, 2111), (720, 2144), (735, 2177), (755, 2216), (758, 2222), (760, 2225), (801, 2270), (846, 2336), (875, 2387), (887, 2402), (893, 2411), (905, 2426), (907, 2429), (1000, 2531), (1017, 2558), (1055, 2609), (1057, 2612),

Gene: Zavala_8 Start: 1572, Stop: 2993, Start Num: 167

Candidate Starts for Zavala_8:

(88, 1500), (Start: 156 @1560 has 11 MA's), (Start: 167 @1572 has 168 MA's), (Start: 229 @1683 has 18 MA's), (233, 1689), (279, 1767), (283, 1776), (295, 1824), (302, 1842), (333, 1911), (361, 1953), (367, 1959), (387, 1986), (388, 1989), (445, 2106), (447, 2115), (490, 2196), (579, 2310), (609, 2358), (613, 2370), (631, 2400), (644, 2424), (651, 2436), (707, 2514), (709, 2520), (800, 2664), (823, 2697), (855, 2751), (993, 2928), (1052, 2982),

Gene: Zebo_30 Start: 13080, Stop: 14591, Start Num: 78

Candidate Starts for Zebo_30:

(Start: 76 @13077 has 17 MA's), (Start: 78 @13080 has 19 MA's), (Start: 215 @13260 has 1 MA's), (269, 13353), (294, 13428), (310, 13461), (323, 13488), (333, 13518), (431, 13671), (433, 13677), (445, 13713), (447, 13722), (490, 13803), (495, 13812), (497, 13815), (540, 13854), (576, 13911), (596, 13947), (601, 13950), (706, 14106), (709, 14115), (737, 14184), (741, 14193), (746, 14199), (769, 14232), (800, 14268), (855, 14355), (871, 14376), (932, 14439), (935, 14442), (938, 14445), (947, 14463), (963, 14484), (993, 14526), (1026, 14562), (1047, 14574),

Gene: ZhongYanYuan_3 Start: 901, Stop: 2469, Start Num: 74

Candidate Starts for ZhongYanYuan_3:

(Start: 74 @901 has 76 MA's), (Start: 78 @907 has 19 MA's), (Start: 84 @916 has 6 MA's), (199, 1063), (269, 1165), (302, 1255), (350, 1360), (431, 1498), (433, 1504), (447, 1549), (488, 1624), (515, 1672), (554, 1726), (566, 1750), (576, 1771), (591, 1795), (595, 1801), (614, 1831), (616, 1837), (637, 1873), (688, 1930), (704, 1948), (709, 1963), (738, 2038), (739, 2041), (760, 2077), (769, 2086), (801, 2122), (846, 2188), (893, 2263), (907, 2281), (913, 2290), (1040, 2437), (1055, 2461), (1057, 2464),

Gene: Zhuangyuan_4 Start: 1041, Stop: 2672, Start Num: 85

Candidate Starts for Zhuangyuan_4:

(Start: 85 @1041 has 13 MA's), (217, 1206), (Start: 236 @1236 has 15 MA's), (281, 1287), (285, 1299), (294, 1338), (299, 1353), (302, 1359), (392, 1515), (416, 1536), (433, 1587), (450, 1650), (490, 1731), (500, 1746), (526, 1800), (527, 1803), (585, 1929), (619, 1989), (625, 2004), (668, 2070), (685, 2097), (693, 2106), (738, 2199), (755, 2229), (790, 2268), (796, 2277), (814, 2301), (844, 2346), (883, 2415), (914, 2448), (920, 2457), (925, 2463), (947, 2484), (949, 2487), (967, 2511), (1017, 2580), (1047, 2610), (1053, 2619), (1082, 2661),

Gene: ZiggyZoo_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for ZiggyZoo_2:

(49, 255), (Start: 128 @360 has 39 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (315, 693), (329, 729), (333, 741), (360, 783), (367, 795), (388, 822), (432, 900), (468, 1005), (477, 1020), (488, 1035), (544, 1113), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (769, 1488), (772, 1491), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (847, 1599), (904, 1701), (936, 1743), (945, 1758), (959, 1779), (971, 1794), (1050, 1890), (1058, 1902), (1067, 1911),

Gene: Ziko_37 Start: 10715, Stop: 12121, Start Num: 188

Candidate Starts for Ziko_37:

(141, 10658), (Start: 188 @10715 has 6 MA's), (268, 10841), (290, 10901), (293, 10910), (331, 10994), (354, 11048), (432, 11174), (434, 11180), (438, 11198), (461, 11264), (498, 11318), (518, 11351), (550, 11396), (616, 11489), (671, 11567), (702, 11612), (709, 11630), (748, 11693), (751, 11699), (848, 11825), (874, 11870), (889, 11888), (1021, 12062),

Gene: Zilizebeth_2 Start: 413, Stop: 2089, Start Num: 51

Candidate Starts for Zilizebeth_2:

(Start: 51 @413 has 50 MA's), (207, 629), (228, 668), (268, 725), (272, 731), (280, 749), (292, 794), (296, 806), (299, 815), (302, 821), (329, 878), (336, 899), (341, 911), (404, 1001), (476, 1190), (544, 1286), (558, 1316), (569, 1337), (676, 1490), (794, 1688), (800, 1697), (819, 1724), (846, 1766), (853, 1784), (904, 1868), (914, 1883), (1067, 2072),

Gene: Zilla_2 Start: 360, Stop: 1928, Start Num: 128

Candidate Starts for Zilla_2:

(Start: 102 @333 has 55 MA's), (Start: 128 @360 has 39 MA's), (Start: 131 @363 has 13 MA's), (Start: 196 @444 has 6 MA's), (210, 477), (217, 492), (238, 519), (247, 537), (257, 552), (272, 573), (282, 594), (291, 633), (302, 663), (315, 693), (329, 729), (333, 741), (346, 771), (362, 786), (386, 816), (388, 822), (419, 852), (432, 900), (468, 1005), (477, 1020), (488, 1035), (499, 1053), (544, 1113), (560, 1146), (569, 1164), (676, 1320), (705, 1359), (718, 1398), (730, 1431), (737, 1443), (760, 1479), (769, 1488), (779, 1497), (794, 1518), (800, 1527), (801, 1530), (823, 1560), (846, 1596), (847, 1599), (878, 1659), (904, 1701), (936, 1743), (959, 1779), (971, 1794), (1024, 1857), (1058, 1902), (1067, 1911),

Gene: Zixiang_3 Start: 749, Stop: 2329, Start Num: 152

Candidate Starts for Zixiang_3:

(Start: 85 @689 has 13 MA's), (Start: 152 @749 has 16 MA's), (Start: 212 @845 has 10 MA's), (217, 854), (Start: 221 @863 has 1 MA's), (Start: 236 @884 has 15 MA's), (281, 935), (294, 986), (299, 1001), (326, 1046), (435, 1247), (450, 1298), (458, 1322), (476, 1358), (490, 1379), (521, 1439), (531, 1469), (534, 1478), (564, 1541), (687, 1751), (702, 1769), (731, 1835), (735, 1841), (738, 1850), (755, 1880), (790, 1919), (844, 1997), (872, 2042), (877, 2054), (967, 2168), (1017, 2237), (1021, 2243), (1031, 2255), (1041, 2264), (1082, 2318),

Gene: ZoMa_2 Start: 455, Stop: 1891, Start Num: 178

Candidate Starts for ZoMa_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Zodiariah_2 Start: 432, Stop: 1991, Start Num: 151

Candidate Starts for Zodiariah_2:

(34, 276), (54, 309), (71, 333), (92, 363), (Start: 122 @402 has 3 MA's), (Start: 151 @432 has 5 MA's), (198, 498), (230, 558), (238, 567), (261, 606), (333, 777), (334, 780), (346, 807), (362, 822), (410, 876), (433, 939), (447, 984), (488, 1071), (490, 1074), (515, 1116), (528, 1134), (537, 1164), (543, 1182), (544, 1185), (550, 1200), (657, 1374), (676, 1395), (689, 1413), (704, 1431), (707, 1440), (730, 1503), (737, 1515), (758, 1548), (760, 1551), (797, 1596), (800, 1599), (819, 1626), (846, 1668), (853, 1686), (869, 1707), (908, 1776), (910, 1779), (936, 1812), (955, 1845), (976, 1875), (1005, 1914),

Gene: ZoeJ_4 Start: 652, Stop: 2073, Start Num: 167

Candidate Starts for ZoeJ_4:

(Start: 79 @574 has 76 MA's), (88, 586), (Start: 93 @595 has 5 MA's), (Start: 167 @652 has 168 MA's), (204, 712), (Start: 215 @733 has 1 MA's), (227, 754), (279, 838), (283, 847), (295, 895), (315, 931), (333, 982), (359, 1021), (367, 1030), (387, 1057), (445, 1177), (447, 1186), (448, 1189), (490, 1267), (495, 1276), (579, 1381), (609, 1429), (613, 1441), (631, 1471), (644, 1495), (652, 1510), (709, 1588), (726, 1630), (741, 1660), (797, 1729), (808, 1744), (843, 1795), (855, 1819), (890, 1867), (989, 1990), (993, 1996), (1052, 2062), (1056, 2068),

Gene: Zombie_2 Start: 359, Stop: 1891, Start Num: 77

Candidate Starts for Zombie_2:

(Start: 77 @359 has 24 MA's), (Start: 178 @455 has 43 MA's), (Start: 179 @458 has 5 MA's), (Start: 197 @494 has 1 MA's), (Start: 215 @533 has 1 MA's), (295, 695), (333, 782), (336, 791), (346, 809), (359, 821), (433, 941), (445, 977), (449, 998), (460, 1019), (490, 1067), (495, 1076), (609, 1229), (641, 1289), (652, 1307), (694, 1358), (709, 1385), (715, 1400), (716, 1403), (760, 1484), (796, 1529), (846, 1604), (855, 1622), (870, 1643), (915, 1688), (930, 1706), (932, 1709), (993, 1802), (1054, 1883),

Gene: Zorro_5 Start: 3082, Stop: 4647, Start Num: 79

Candidate Starts for Zorro_5:

(Start: 79 @3082 has 76 MA's), (Start: 234 @3292 has 4 MA's), (281, 3346), (296, 3403), (299, 3412), (427, 3652), (432, 3667), (434, 3673), (450, 3733), (476, 3793), (533, 3892), (551, 3922), (559, 3937), (619, 4018), (665, 4096), (674, 4105), (707, 4141), (720, 4180), (735, 4213), (738, 4222), (753, 4249), (797, 4303), (829, 4345), (873, 4390), (883, 4411), (896, 4435), (987, 4513), (1080, 4633),

Gene: Zucker_3 Start: 797, Stop: 2302, Start Num: 160

Candidate Starts for Zucker_3:

(Start: 160 @797 has 23 MA's), (252, 941), (285, 992), (298, 1043), (375, 1181), (400, 1223), (409, 1241), (460, 1385), (466, 1397), (495, 1442), (499, 1448), (548, 1526), (559, 1547), (639, 1676), (708, 1778), (710, 1784), (717, 1805), (745, 1856), (819, 1943), (854, 2003), (889, 2051), (911, 2084), (1004, 2216),

Gene: phiBT1_33 Start: 597, Stop: 2180, Start Num: 113

Candidate Starts for phiBT1_33:

(107, 591), (Start: 113 @597 has 11 MA's), (Start: 189 @687 has 1 MA's), (282, 840), (283, 843), (285, 849), (295, 891), (331, 972), (332, 975), (343, 996), (345, 999), (366, 1026), (385, 1047), (416, 1077), (418, 1080), (432, 1125), (455, 1209), (533, 1374), (587, 1506), (643, 1620), (658, 1647), (664, 1653), (693, 1698), (696, 1704), (716, 1752), (771, 1857), (773, 1860), (821, 1929), (855, 1956), (901, 2034), (902, 2037), (934, 2058), (937, 2061),

