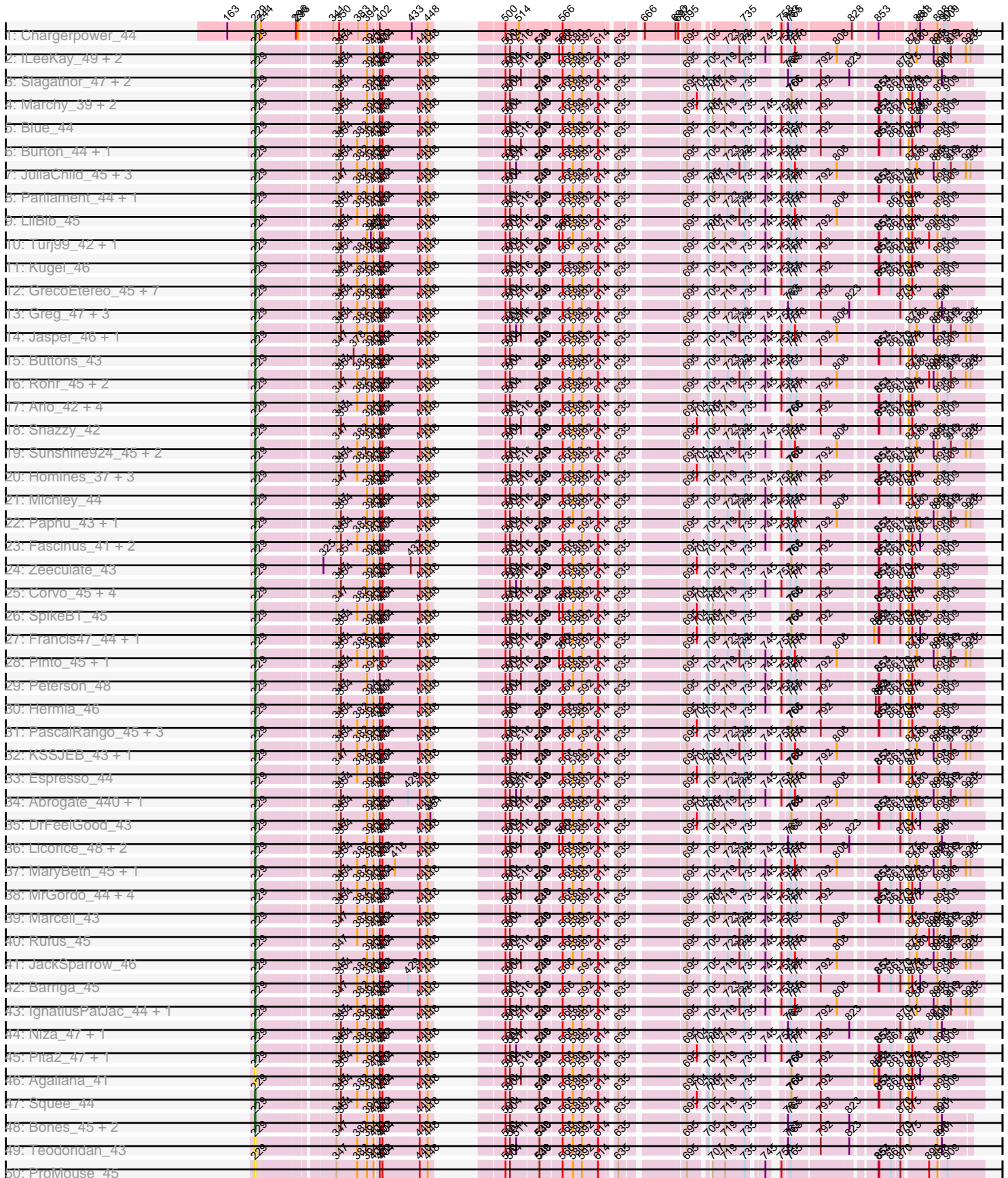
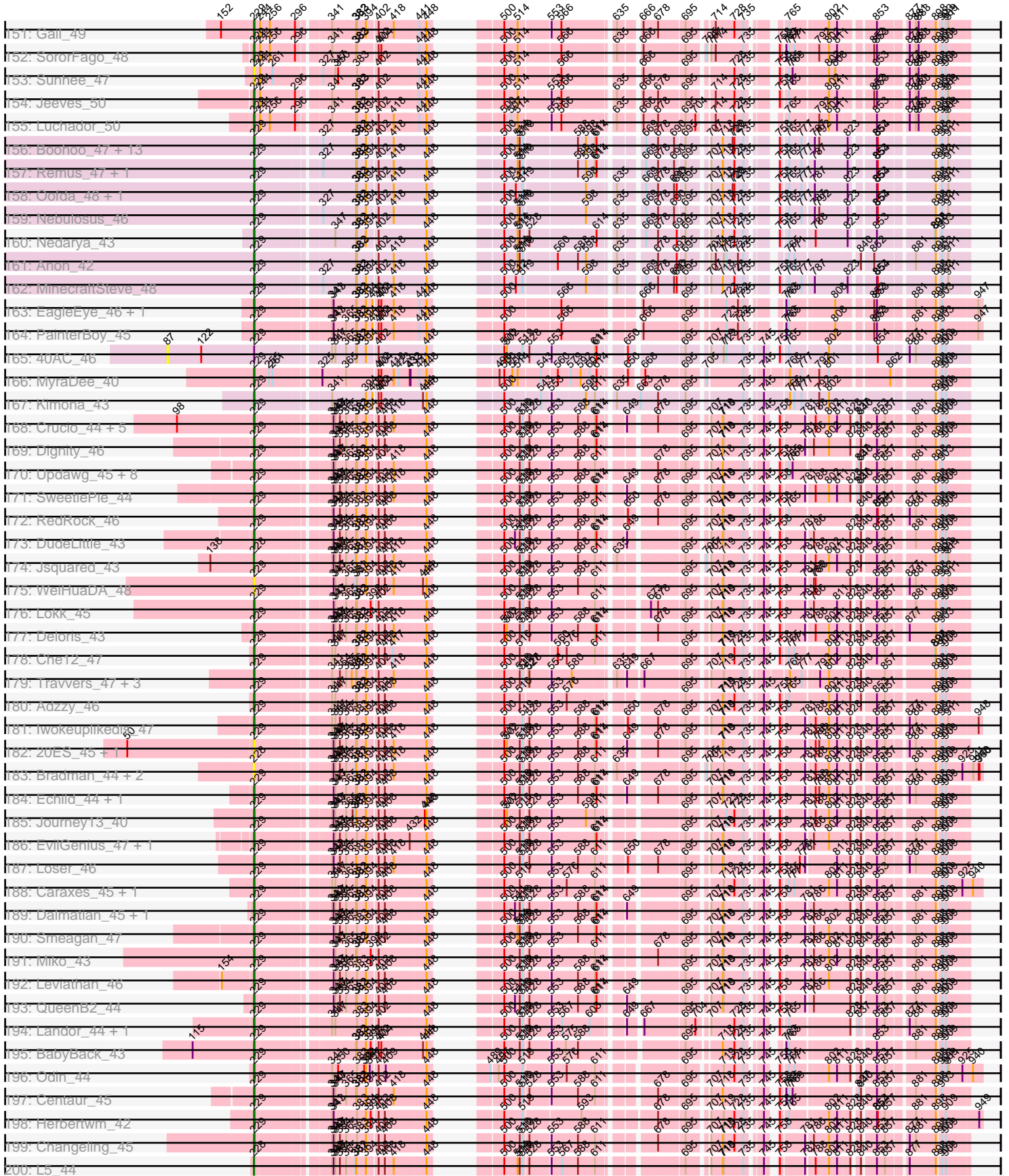


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Z01: Kerberos_47 + 4	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z02: Phaded_46	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z03: StarStuff_47	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z04: CRBT_46	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z05: HarryHoudini_45	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z06: AbbyPaige_46 + 4	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z07: AnnaL29_46	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z08: XianYue_44	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z09: AN3_45 + 1	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z10: Serenity_45	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z11: TarsusIV_42	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z12: JoshKayV_46	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z13: Acolyte_41	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z14: EZIMoney23_43	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z15: Fameo_44 + 1	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z16: C3_43 + 3	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
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Z18: Power_43	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z19: LITurb_45	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z20: Kaipine_44	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z21: BobSwaget_44	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z22: NothingSpecial_43	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z23: TopsytheTRex_42	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z24: ArcherNIM_42	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
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Z26: Colin_46	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z27: NicoleTera_45	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z28: Pn8s_46	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
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Z30: LadyBird_47	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z31: SwirlSquare_48	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z32: Rachay_45	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z33: Leogania_44 + 1	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z34: GaugeLDP_43	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
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Z40: IronMan_44	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z41: Anselm_45	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z42: KingCyrus_47	2/3	344 389 402 418 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
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Z47: MarGuardt_48 + 29	2/3	344 389 402 418 432 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
Z48: MadMarie_48	2/3	344 389 402 418 432 448	500 516 553 580 635 648 667 696 701 719 735 745 766 771 782 820 857 888
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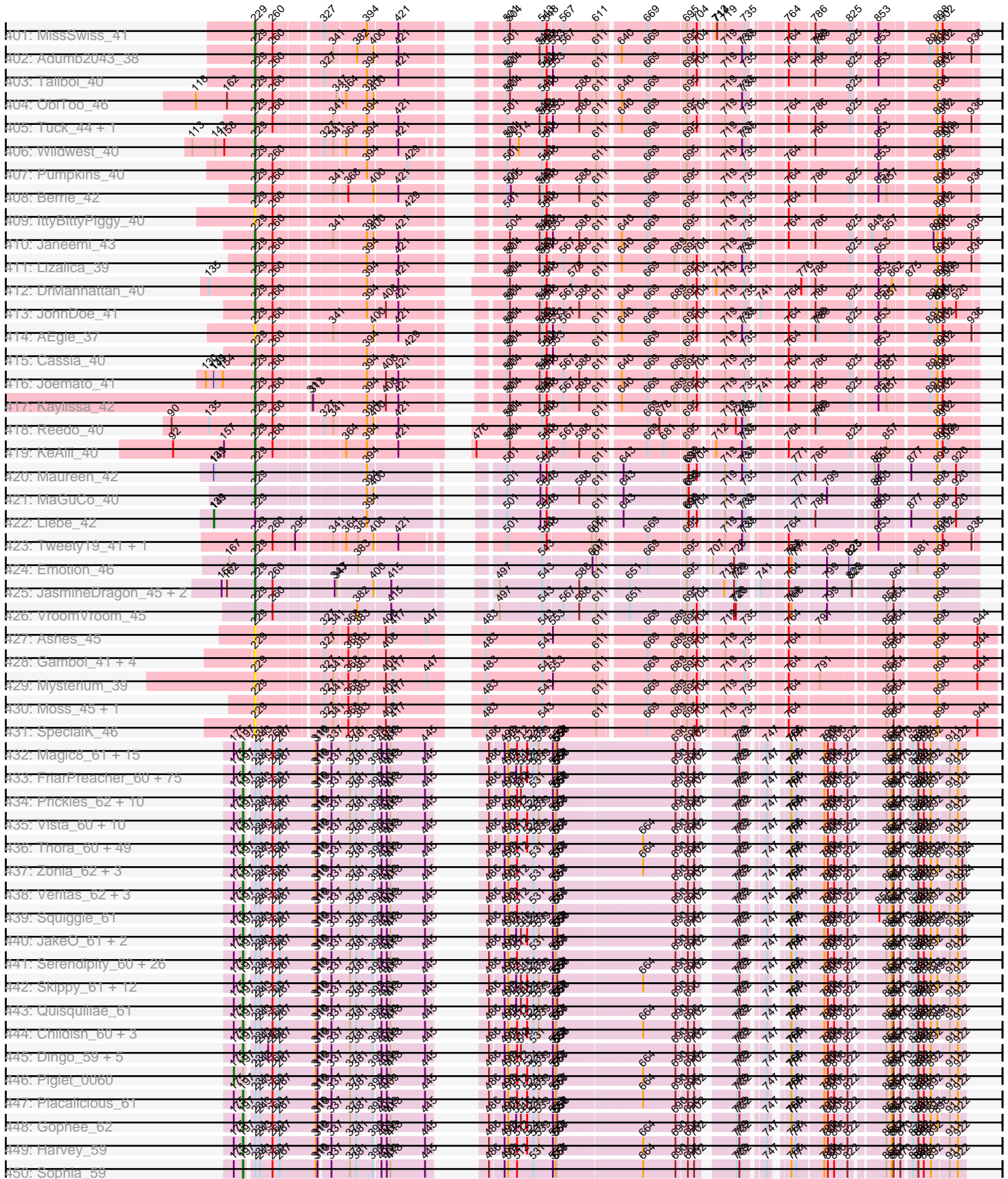
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504: Ghoulboy_40 + 2	168	229	296	363	430	497	564	631	698	765	832	899	966
505: OnionJack_39	168	229	296	363	430	497	564	631	698	765	832	899	966
506: Midas2_38 + 1	168	229	296	363	430	497	564	631	698	765	832	899	966
507: ETiger69_39	168	229	296	363	430	497	564	631	698	765	832	899	966
508: Micasa_40	168	229	296	363	430	497	564	631	698	765	832	899	966
509: AgentM_37	168	229	296	363	430	497	564	631	698	765	832	899	966
510: Milcery_39	168	229	296	363	430	497	564	631	698	765	832	899	966
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515: Benedict_39	168	229	296	363	430	497	564	631	698	765	832	899	966
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519: SuperCame99_45	168	229	296	363	430	497	564	631	698	765	832	899	966
520: Indra_48 + 12	168	229	296	363	430	497	564	631	698	765	832	899	966
521: Blue7_48 + 1	168	229	296	363	430	497	564	631	698	765	832	899	966
522: Candra_45 + 8	168	229	296	363	430	497	564	631	698	765	832	899	966
523: Gladiator_45	168	229	296	363	430	497	564	631	698	765	832	899	966
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525: Blinn1_48	168	229	296	363	430	497	564	631	698	765	832	899	966
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543: Stephig9_43	168	229	296	363	430	497	564	631	698	765	832	899	966
544: Dixon_43	168	229	296	363	430	497	564	631	698	765	832	899	966
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547: SheaKeira_43	168	229	296	363	430	497	564	631	698	765	832	899	966
548: Conquerage_45 + 4	168	229	296	363	430	497	564	631	698	765	832	899	966
549: Aima_45	168	229	296	363	430	497	564	631	698	765	832	899	966
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552: DreamTeam1_42		228	311	321	328	332	336	342	418	448	500	511	586	640	688	695	728	735	765	808	828	853	881	888					
553: Vanisoa_44		228	311	321	328	332	336	342	418	448	500	511	586	640	688	695	728	735	765	808	828	853	881	888					
554: LoneWolf_45		228	311	321	328	332	336	342	418	448	500	511	586	640	688	695	728	735	765	808	828	853	881	888					
555: Ycey3_46		228	311	321	328	332	336	342	418	448	500	511	586	640	688	695	728	735	765	808	828	853	881	888					
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558: Darrell_46		228	311	321	328	332	336	342	418	448	500	511	586	640	688	695	728	735	765	808	828	853	881	888					
559: Toaka_44		228	311	321	328	332	336	342	418	448	500	511	586	640	688	695	728	735	765	808	828	853	881	888					
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564: Maco6_42	100	109	136	148	208	311	321	328	332	336	342	418	448	488	488	501	511	586	640	688	695	728	735	765	808	828	853	881	888
565: NoSnow_52	100	109	136	148	208	311	321	328	332	336	342	418	448	488	488	501	511	586	640	688	695	728	735	765	808	828	853	881	888
566: 8UZL_44	100	109	136	148	208	311	321	328	332	336	342	418	448	488	488	501	511	586	640	688	695	728	735	765	808	828	853	881	888
567: SorJuana_54 + 8	100	109	136	148	208	311	321	328	332	336	342	418	448	488	488	501	511	586	640	688	695	728	735	765	808	828	853	881	888
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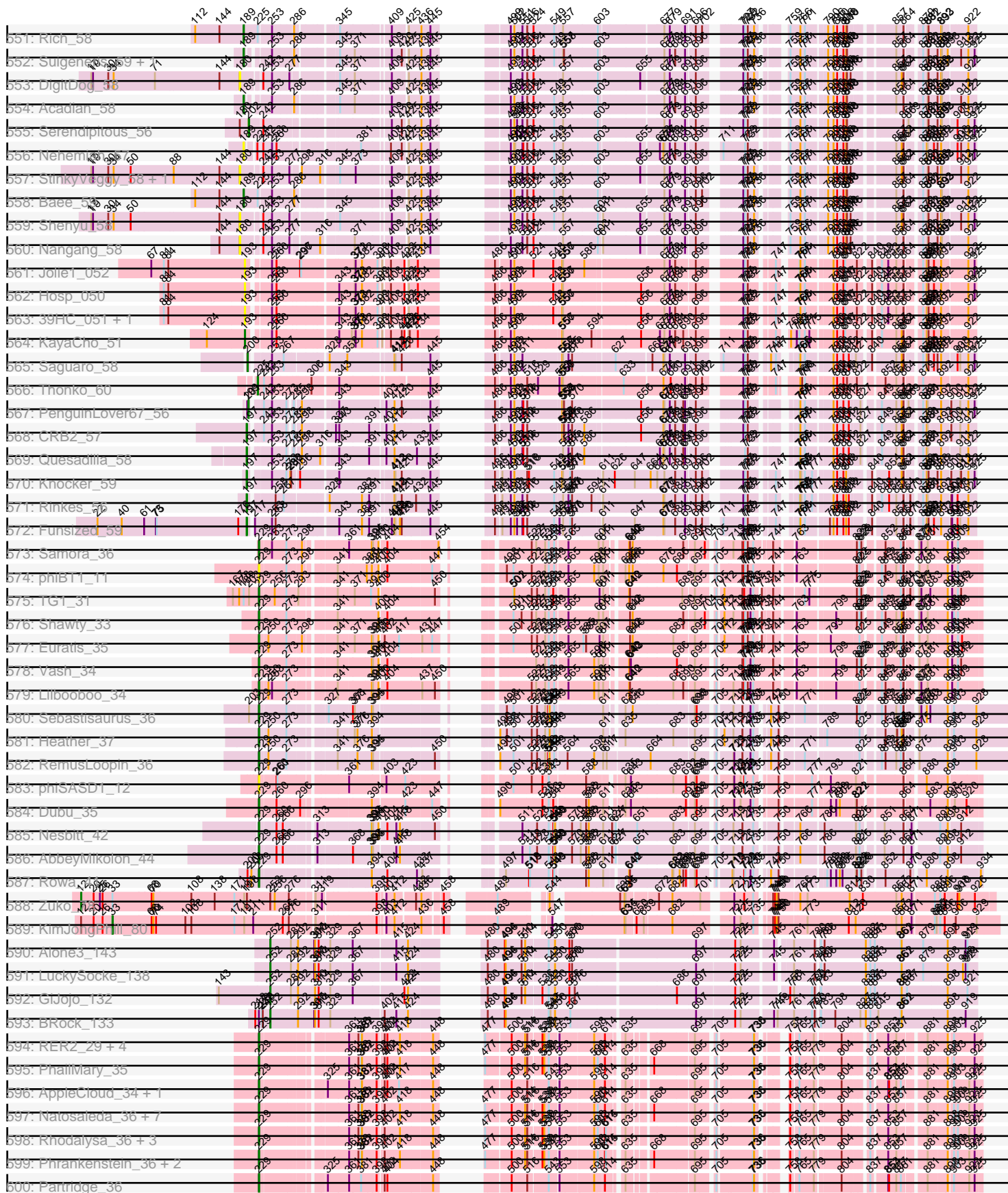
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#53:	Cobra_62	151	220	291	361	431	501	571	641	711	781	851	921	991
#54:	Kikipoo_62 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#55:	GeneCoco_61 + 6	151	220	291	361	431	501	571	641	711	781	851	921	991
#56:	Lopsy_59	151	220	291	361	431	501	571	641	711	781	851	921	991
#57:	Ricotta_60 + 2	151	220	291	361	431	501	571	641	711	781	851	921	991
#58:	JDog_59 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#59:	Craff_63	151	220	291	361	431	501	571	641	711	781	851	921	991
#60:	Kwadwo_59 + 2	151	220	291	361	431	501	571	641	711	781	851	921	991
#61:	Sheila_58	151	220	291	361	431	501	571	641	711	781	851	921	991
#62:	Robyn_60 + 2	151	220	291	361	431	501	571	641	711	781	851	921	991
#63:	RolieT_58	151	220	291	361	431	501	571	641	711	781	851	921	991
#64:	Mikota_59	151	220	291	361	431	501	571	641	711	781	851	921	991
#65:	DirJuice_61	151	220	291	361	431	501	571	641	711	781	851	921	991
#66:	HSavage_59	151	220	291	361	431	501	571	641	711	781	851	921	991
#67:	Haimas_59 + 2	151	220	291	361	431	501	571	641	711	781	851	921	991
#68:	CrownJw_60	151	220	291	361	431	501	571	641	711	781	851	921	991
#69:	Inverness_59	151	220	291	361	431	501	571	641	711	781	851	921	991
#70:	HighStump_62	151	220	291	361	431	501	571	641	711	781	851	921	991
#71:	Daka_63	151	220	291	361	431	501	571	641	711	781	851	921	991
#72:	Burr_60	151	220	291	361	431	501	571	641	711	781	851	921	991
#73:	Mutante_60	151	220	291	361	431	501	571	641	711	781	851	921	991
#74:	AltPhacts_60	151	220	291	361	431	501	571	641	711	781	851	921	991
#75:	Apizium_60	151	220	291	361	431	501	571	641	711	781	851	921	991
#76:	Kloppinator_61	151	220	291	361	431	501	571	641	711	781	851	921	991
#77:	Invubu_52	151	220	291	361	431	501	571	641	711	781	851	921	991
#78:	IndioVv_55	151	220	291	361	431	501	571	641	711	781	851	921	991
#79:	LimVicDreamy_55	151	220	291	361	431	501	571	641	711	781	851	921	991
#80:	Hashim76_62	151	220	291	361	431	501	571	641	711	781	851	921	991
#81:	Zenteno07_62	151	220	291	361	431	501	571	641	711	781	851	921	991
#82:	BirdsNest_61	151	220	291	361	431	501	571	641	711	781	851	921	991
#83:	FrenchFry_57 + 6	151	220	291	361	431	501	571	641	711	781	851	921	991
#84:	Coffee_57 + 3	151	220	291	361	431	501	571	641	711	781	851	921	991
#85:	Laurie_57 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#86:	TA17A_57	151	220	291	361	431	501	571	641	711	781	851	921	991
#87:	Brownies_57 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#88:	Faze9_56 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#89:	Sabella_56 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#90:	itsyBitsy1_57	151	220	291	361	431	501	571	641	711	781	851	921	991
#91:	Kaleb_57	151	220	291	361	431	501	571	641	711	781	851	921	991
#92:	Tres_57 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#93:	Qyrzula_52	151	220	291	361	431	501	571	641	711	781	851	921	991
#94:	Arbiter_56	151	220	291	361	431	501	571	641	711	781	851	921	991
#95:	BananaFish_57 + 1	151	220	291	361	431	501	571	641	711	781	851	921	991
#96:	Calamitous_57	151	220	291	361	431	501	571	641	711	781	851	921	991
#97:	West99_57	151	220	291	361	431	501	571	641	711	781	851	921	991
#98:	Lars_57	151	220	291	361	431	501	571	641	711	781	851	921	991
#99:	Godines_58	151	220	291	361	431	501	571	641	711	781	851	921	991
#100:	Rosebush_56	151	220	291	361	431	501	571	641	711	781	851	921	991

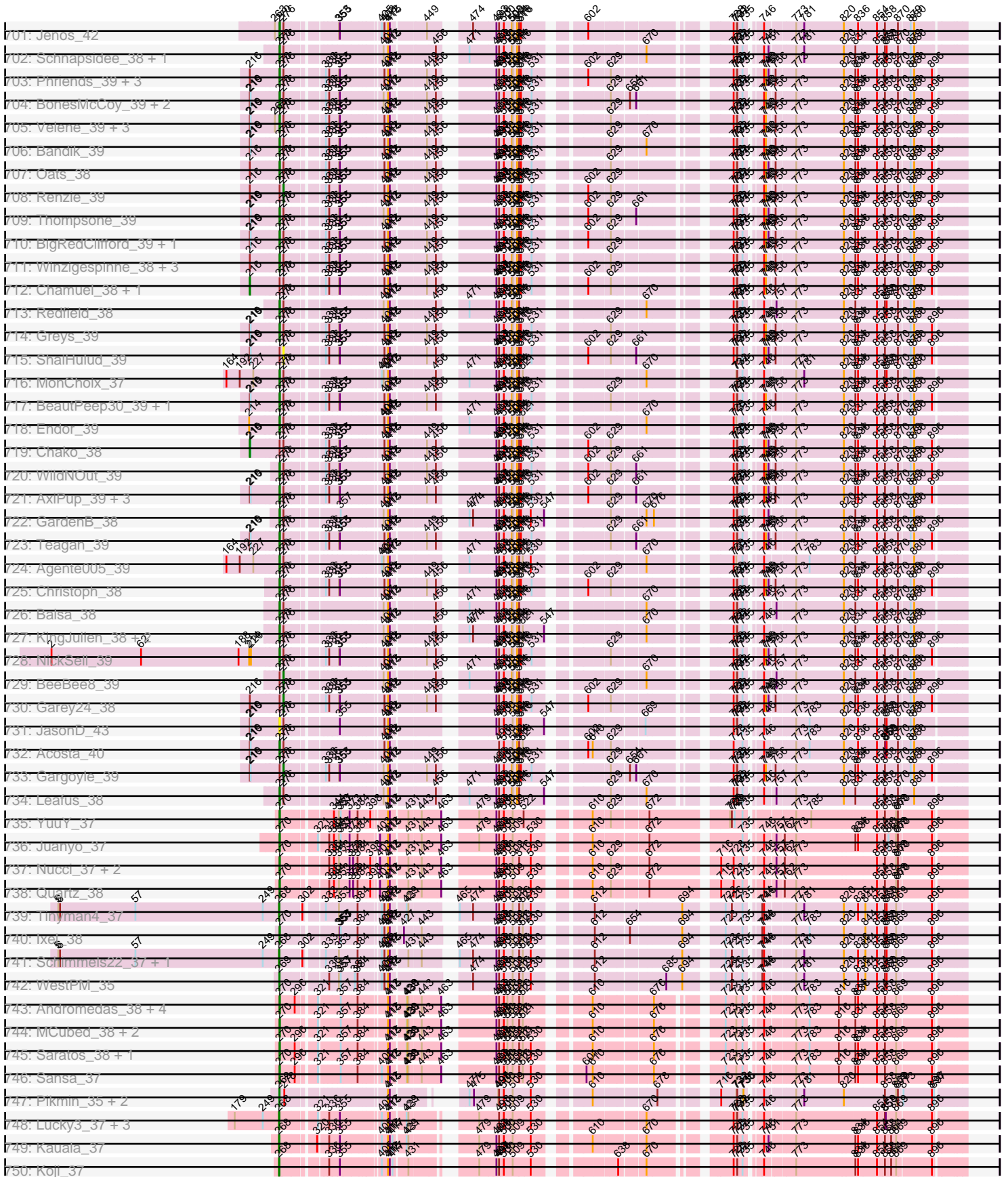
Pham 193603



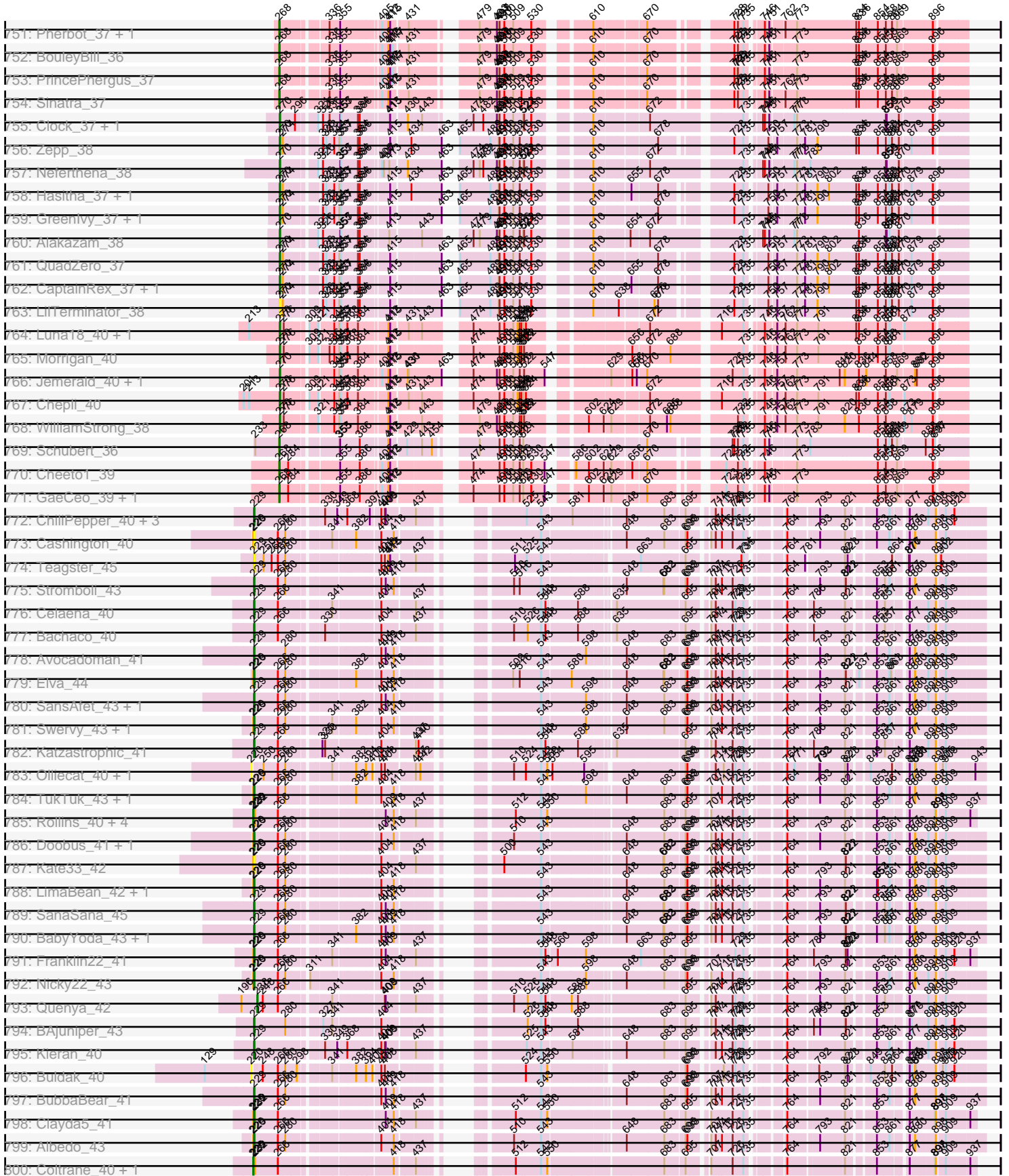
Pham 193603

551: Fibbs8_39	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
552: MaVan_40	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
553: Gibbous_38	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
554: MAhor_85	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
555: SteamHogs_59	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
556: RanchParo_26	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
557: Quasar_42	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
558: MiScam_41	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
559: Burnsey_40	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
560: RedBass1_49	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
561: Margaret_50	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
562: Carsonalex_50	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
563: SheckWes_48	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
564: PotPie_44	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
565: Jamzy_48	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
566: GodonK_188	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
567: Phendrix_176	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
568: Fresco_51 + 1	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
569: CalB_54	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
570: BobRoss2024_51	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
571: LittleMunchkin_54	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
572: Shatter_51 + 1	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
573: Yag084_49 + 2	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
574: BiggityBass_49	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
575: AnarQue_54	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
576: Wooper_54	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
577: Coldpizza_51	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
578: Sour_53	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
579: NHagos_52	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
580: MossRose_53	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
581: Evaa_50	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
582: CloverMinnie_53	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
583: Makomannhole_51	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
584: CharlottesWeb_50	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
585: Mariokart_50	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
586: Mareelin_171 + 3	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
587: GIMAZ_66	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
588: Sixama_172	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
589: Mercedes_34	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
590: TeddyBear_38 + 15	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
591: Shee_39 + 11	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
592: McGaleon_41	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
593: Antoinette_39 + 2	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
594: Tenda_38 + 31	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
595: Ioannes_39	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
596: FarmerDoug_38	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
597: Hamlet_38	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
598: Alexandracam_39	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
599: TalarkaPM_39	88	93	101	121	160	234	274	311	340	369	388	412	433	472	482	513	544	612	634	680	883	765	785	795	803	844	880	920	944
700: Raccoon_38	88	93	101	121	160	234	274	311	340	369																			

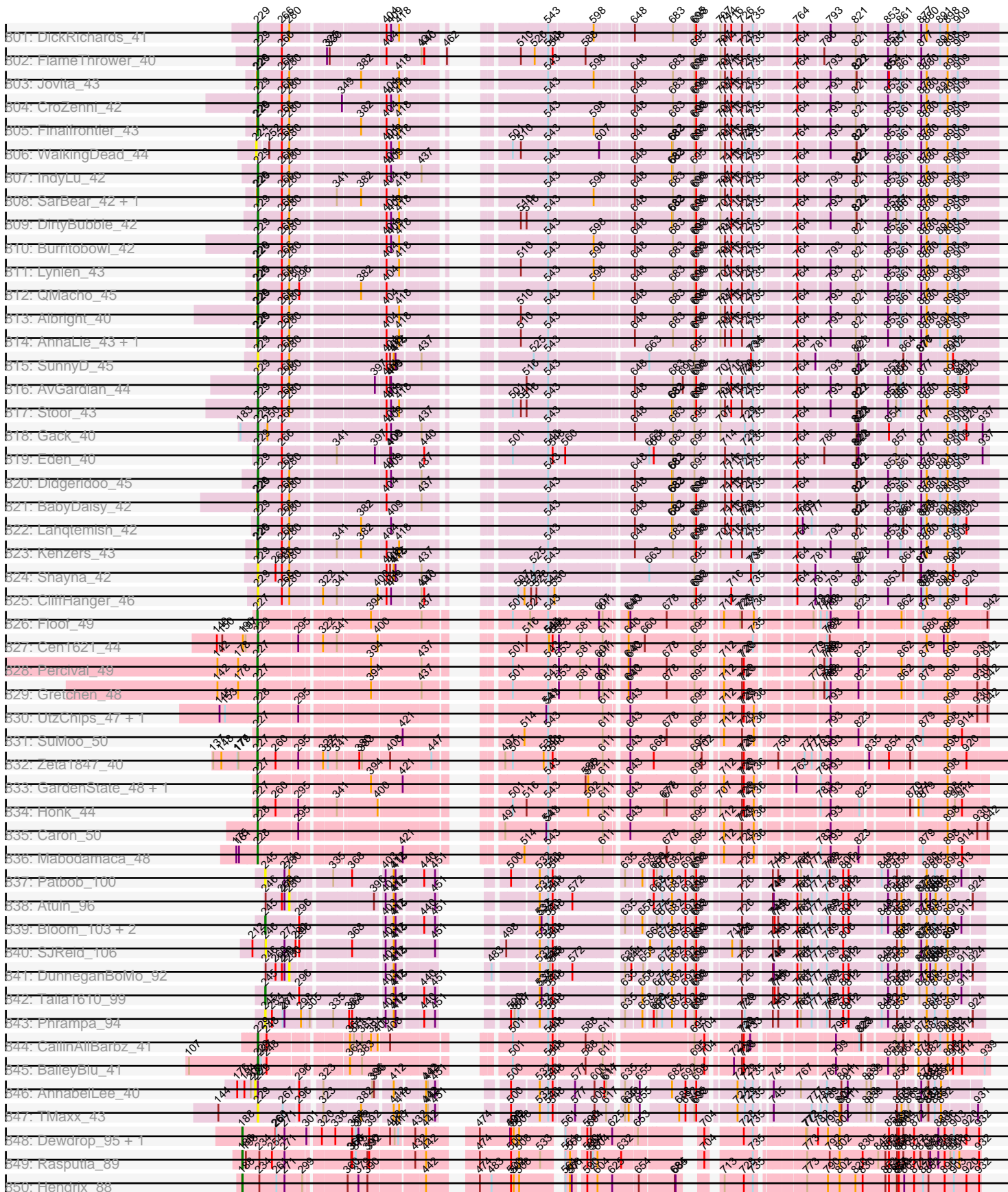
Pham 193603



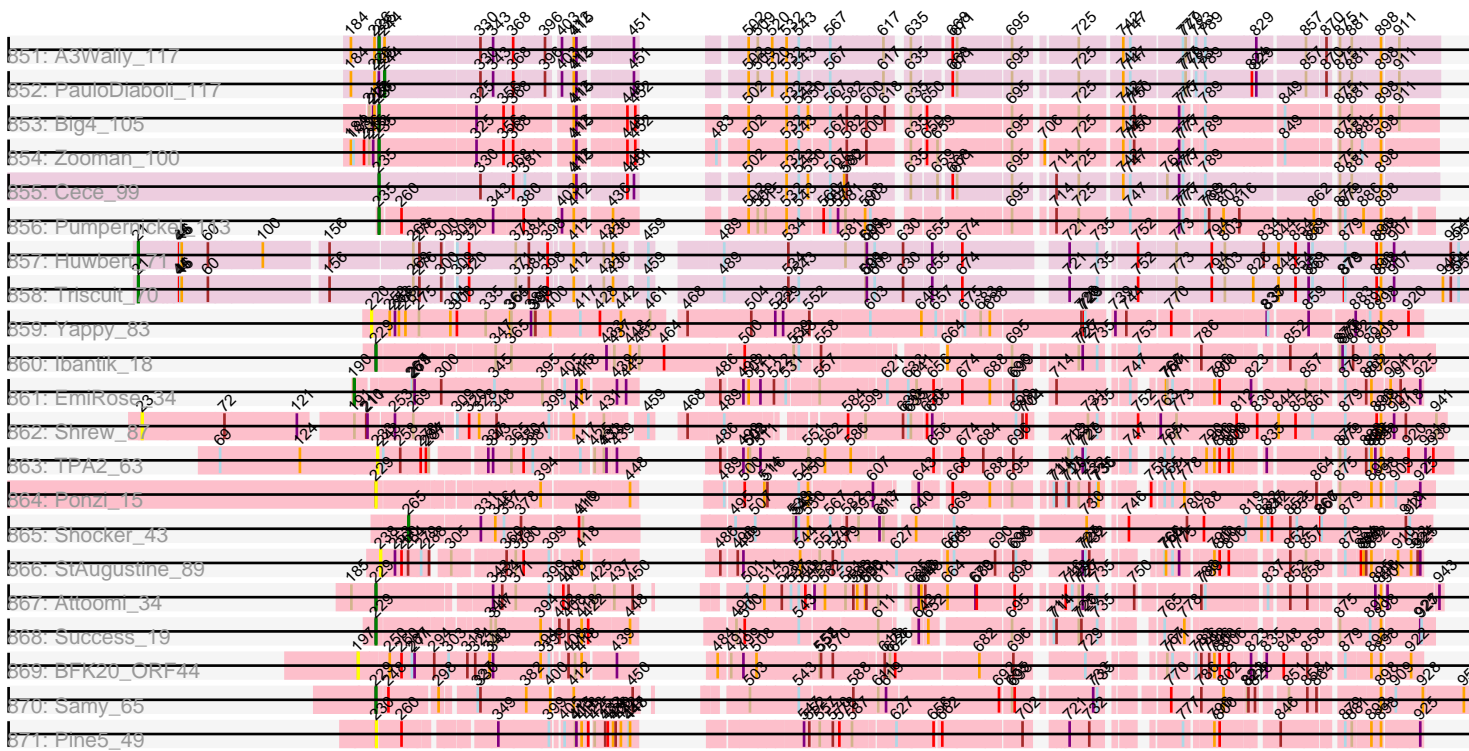
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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 193603 Report

This analysis was run 11/02/24 on database version 579.

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 193603 has 1822 members, 175 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_44
- Track 2 : lLeeKay_49, Fushigi_43, Sumter_42
- Track 3 : Slagathor_47, Arcanine_46, Ringer_46
- Track 4 : Marchy_39, Adahisdi_44, Payneful_44
- Track 5 : Blue_44
- Track 6 : Burton_44, Museum_45
- Track 7 : JuliaChild_45, Swole_45, TwoPeat_45, Tote_40
- Track 8 : Parliament_44, Manatee_45
- Track 9 : LilBib_45
- Track 10 : Turj99_42, Magnito_42
- Track 11 : Kugel_46
- Track 12 : GrecoEtereo_45, HanShotFirst_43, Big3_43, CactusRose_42, Paraselene_43, HarryOW_43, Tripl3t_45, Gwendoluna_47
- Track 13 : Greg_47, Pippin_47, Fajezeel_47, Ciao_45
- Track 14 : Jasper_46, Dreamboat_46
- Track 15 : Buttons_43
- Track 16 : Rohr_45, Jerm2_45, HermioneGrange_44
- Track 17 : Arlo_42, Hope4ever_46, Kanely_45, Rubeus_45, Altman_46
- Track 18 : Snazzy_42
- Track 19 : Sunshine924_45, BPBiibs31_45, Kenmech_48
- Track 20 : Homines_37, Makemake_44, ShortQueendom_39, Wheeler_45
- Track 21 : Michley_44
- Track 22 : Paphu_43, Oogway_42
- Track 23 : Fascinus_41, Bigfoot_41, Maroc7_43
- Track 24 : Zeeculate_43
- Track 25 : Corvo_45, SwissCheese_46, Forsytheast_44, Bruns_43, Moose_44
- Track 26 : SpikeBT_45
- Track 27 : Francis47_44, PacerPaul_45
- Track 28 : Pinto_45, Petruchio_45
- Track 29 : Peterson_48
- Track 30 : Hermia_46
- Track 31 : PascalRango_45, Jorgensen_45, Norz_45, Edtherson_45
- Track 32 : KSSJEB_43, Target_45

- Track 33 : Espresso_44
- Track 34 : Abrogate_440, Perseus_45
- Track 35 : DrFeelGood_43
- Track 36 : Licorice_48, BigPaolini_45, TheloniousMonk_46
- Track 37 : MaryBeth_45, MetalQZJ_44
- Track 38 : MrGordo_44, Gyzlar_41, Anglerfish_45, Dulcie_45, Crispicous1_43
- Track 39 : Marcell_43
- Track 40 : Rufus_45
- Track 41 : JackSparrow_46
- Track 42 : Barriga_45
- Track 43 : IgnatiusPatJac_44, BluSpix_42
- Track 44 : Niza_47, Ruotula_48
- Track 45 : Pita2_47, PSullivan_44
- Track 46 : Agaliana_41
- Track 47 : Squee_44
- Track 48 : Bones_45, Eyeball_46, Rajelicia_46
- Track 49 : Teodoridan_43
- Track 50 : ProMouse_45
- Track 51 : Bxb1_41
- Track 52 : Sibs6_45, Wilkins_44, Topgun_44
- Track 53 : Alvin_44
- Track 54 : Ajay_45
- Track 55 : Inyanga_42
- Track 56 : Switzer_45, Sanya_43, Bethlehem_44, BeesKnees_45, Dynamix_45
- Track 57 : JC27_45, Applejack_40
- Track 58 : Beatrix_44, STLscum_46
- Track 59 : Trouble_46
- Track 60 : Bexan_43, StrongArm_44
- Track 61 : Dexes_45
- Track 62 : Pelly_44
- Track 63 : KyMonks1A_47, Ashballer_46
- Track 64 : Lamina13_45, Tasp14_46
- Track 65 : Monet_48
- Track 66 : Sagefire_48
- Track 67 : Euphoria_43
- Track 68 : Violet_42
- Track 69 : Atkinbua_46
- Track 70 : Chanagan_42, Pepe_42
- Track 71 : Carlyle_44
- Track 72 : Petp2012_45
- Track 73 : QTRlifeCrisis_45, Rhynn_44, Lesedi_42, ConceptII_46
- Track 74 : Smairt_47
- Track 75 : Dussy_46, Froghopper_43, Killigrew_44, Abbyshoes_47
- Track 76 : DreamCatcher_47
- Track 77 : Aeneas_47
- Track 78 : Mryolo_42, Nhonho_45
- Track 79 : StewieG_44, Solon_44, Zeuska_44, BillKnuckles_45
- Track 80 : Lockley_44, DD5_44
- Track 81 : PherrisBueller_44, Scowl_45
- Track 82 : Doom_45
- Track 83 : BigMau_45
- Track 84 : BaconJack_48
- Track 85 : Kykar_45

- Track 86 : Magnar_44, Mkhusei_44
- Track 87 : Watermelon_46
- Track 88 : Cueylyss_46
- Track 89 : Bob3_42
- Track 90 : Sandaddy_44, Sorpresa_44
- Track 91 : Fenn_46
- Track 92 : Zephyr_44
- Track 93 : PhrostyMug_44
- Track 94 : Graduation_48
- Track 95 : Bircsak_44, Gompeii16_44
- Track 96 : SkiPole_47, Seanderson_47
- Track 97 : BK1_41, A6_41
- Track 98 : Ohno789_45
- Track 99 : Lopton_45
- Track 100 : Acme_47, Hami1_39
- Track 101 : NEHalo_43, AFIS_43
- Track 102 : Seabiscuit_46
- Track 103 : SarFire_43, Thor_43
- Track 104 : Naira_46
- Track 105 : Gandalf20_46
- Track 106 : PinkPlastic_43
- Track 107 : Rutherferd_47
- Track 108 : Papez_47
- Track 109 : PattyP_45
- Track 110 : Nerujay_46
- Track 111 : Molly_45
- Track 112 : Ichabod_46
- Track 113 : RidgeCB_44
- Track 114 : U2_43
- Track 115 : McGuire_45
- Track 116 : Treddle_46
- Track 117 : KBG_46
- Track 118 : Traft412_45
- Track 119 : MPlant7149_43
- Track 120 : Briton15_46
- Track 121 : Mule_42
- Track 122 : Marge_45
- Track 123 : Alsfro_48
- Track 124 : Pari_45
- Track 125 : Smeagol_46
- Track 126 : Marsha_45
- Track 127 : GageAP_45
- Track 128 : OKCentral2016_43
- Track 129 : Rebeuca_44, Kristoff_44
- Track 130 : Goose_44, Chupacabra_43
- Track 131 : Twister_42, WalterMcMickey_42, Topanga_42
- Track 132 : Severus_42, Drake94_42, PeaceMeal1_42, KittenMittens_41, Trike_42
- Track 133 : DustyMartin_48, Shapes_48, Rowdy_48, RhynO_45
- Track 134 : DontArgue_43
- Track 135 : Poompha_43
- Track 136 : Eaglepride_45
- Track 137 : Edison31_43

- Track 138 : Sham4_44, Fibonacci_44, MaCh_45, Bachome_46, Petersenfast_43, Hutc2_44
- Track 139 : Insomnia_45, Lucivia_45, Snape_44, Orange_44, Bowtie_45, Mulciber_44
- Track 140 : TinyTimmy_45, Salz_44, Mabel_45, Timothy_45, Ebony_45
- Track 141 : Aneem_45, Munch_45, Gilberta_45, Flaverint_45, Joselito_45
- Track 142 : Jabith_45
- Track 143 : Et2Brutus_44
- Track 144 : Bud_44
- Track 145 : Refuge_44
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- Track 549 : Reprobate_57, Phelemich_56
- Track 550 : EastView9101_57
- Track 551 : Rich_58
- Track 552 : Suigeneris_59, Donny_59
- Track 553 : DigitDog_58
- Track 554 : Acadian_58
- Track 555 : Serendipitous_56
- Track 556 : Nehemiah_57
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- Track 558 : Bae_59
- Track 559 : Shenyu_58
- Track 560 : Nangang_58
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- Track 562 : Hosp_050
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- Track 564 : KayaCho_51
- Track 565 : Saguaro_58
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- Track 569 : Quesadilla_58
- Track 570 : Klocker_59
- Track 571 : Rinkes_56
- Track 572 : Funsized_59
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- Track 574 : phiBT1_11
- Track 575 : TG1_31
- Track 576 : Shawty_33
- Track 577 : Euratis_35
- Track 578 : Vash_34

- Track 579 : Lilbooboo_34
- Track 580 : Sebastisaurus_36
- Track 581 : Heather_37
- Track 582 : RemusLoopin_36
- Track 583 : phiSASD1_12
- Track 584 : Dubu_35
- Track 585 : Nesbitt_42
- Track 586 : AbbeyMikolon_44
- Track 587 : Rowa_41
- Track 588 : Zuko_78
- Track 589 : KimJongPhill_80
- Track 590 : Alone3_143
- Track 591 : LuckySocke_138
- Track 592 : GiJojo_132
- Track 593 : BRock_133
- Track 594 : RER2_29, Yogi_36, BobbyDazzler_36, Hiro_36, Bonanza_36
- Track 595 : PhailMary_35
- Track 596 : AppleCloud_34, Krishelle_36
- Track 597 : Natosaleda_36, Erik_36, Rasputin_36, Espica_36, Nancinator_36, Shuman_36, Belenaria_36, UhSalsa_36
- Track 598 : Rhodalysa_36, TWAMP_36, Lillie_36, CosmicSans_36
- Track 599 : Phrankenstein_36, Gollum_36, Swann_36
- Track 600 : Partridge_36
- Track 601 : Takoda_36
- Track 602 : RexFury_36
- Track 603 : Naiad_36, StCroix_36, Alatin_36
- Track 604 : Jester_36, Harlequin_36, Bryce_36
- Track 605 : Bradshaw_36
- Track 606 : RGL3_31
- Track 607 : Alpacados_35
- Track 608 : Yoncess_36
- Track 609 : Dinger_36
- Track 610 : AngryOrchard_34
- Track 611 : Upyo_46
- Track 612 : Gustav_47
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- Track 614 : Mahdia_44
- Track 615 : Puppets_42
- Track 616 : Morrissey_47
- Track 617 : Widow_43
- Track 618 : Elinal_48, KayGee_46
- Track 619 : Axym_42
- Track 620 : Cleo_38
- Track 621 : GTE2_35
- Track 622 : CherryonLim_46
- Track 623 : Mayweather_49
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- Track 625 : Zareef_42, Nibbles_39, Azira_40
- Track 626 : HippoPololi_40
- Track 627 : GiKK_48
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- Track 629 : Hexbug_51, Orla_51
- Track 630 : MunkgeeRoachy_41

- Track 631 : GoldHunter_44
- Track 632 : Cozz_41, Nina_42, Agatha_43
- Track 633 : Lauer_41
- Track 634 : Typhonmarchy_43
- Track 635 : Yummy_45, SweatNTears_44, SketchMex_43, Horseradish_45, Biskit_45
- Track 636 : BigChungus_44, Feastonyeet_44
- Track 637 : Emalyn_42
- Track 638 : Troje_45
- Track 639 : Amok_44
- Track 640 : AikoCarson_44
- Track 641 : AndPeggy_40
- Track 642 : Nodigi_51
- Track 643 : Pons_46
- Track 644 : SummitAcademy_44, Vine_47
- Track 645 : Yakult_46
- Track 646 : Buttrmilkdreams_45
- Track 647 : Yarn_40
- Track 648 : BillDoor_43
- Track 649 : Button_46
- Track 650 : Survivors_40
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- Track 653 : Gibbous_38, Dre3_38
- Track 654 : MAnor_46
- Track 655 : SteamedHams_43
- Track 656 : RanchParmCat_48
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- Track 660 : RedBaron_45
- Track 661 : Margaret_49
- Track 662 : Carsonalex_46
- Track 663 : SheckWes_48
- Track 664 : PotPie_44
- Track 665 : Jamzy_48
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- Track 668 : Fresco_51, Axumite_51
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- Track 671 : LittleMunchkin_52
- Track 672 : Shatter_51, Ligma_51
- Track 673 : Yago84_49, AnClar_50, Sisko_49
- Track 674 : BiggityBass_49
- Track 675 : AnarQue_54
- Track 676 : Wooper_54
- Track 677 : Coldpizza_51
- Track 678 : Sour_53
- Track 679 : NHagos_52
- Track 680 : MossRose_53
- Track 681 : Evaa_50
- Track 682 : CloverMinnie_53

- Track 683 : MakoManhole_51
- Track 684 : CharlottesWeb_50
- Track 685 : Mariokart_50
- Track 686 : Mareelih_171, Boopy_173, Forza_174, BlueNGold_170
- Track 687 : GMA2_66
- Track 688 : Sixama_172
- Track 689 : Mercedes_34
- Track 690 : TeddyBear_38, Gelo_38, Bonino_38, Calix_38, Ludgate_39, Baines_38, Nagem_39, Erla_38, Gershwin_38, Raptor_39, Etta_38, Asta_38, Superfresh_39, SJay_39, Pocket_38, Klimt_38
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- Track 692 : McGalleon_41
- Track 693 : Antoinette_39, Peep_39, Dave_39
- Track 694 : Tenda_38, Clancy_38, Rog141_38, ParleG_39, Benjalauren_39, JeriBeth_39, Papafritta_38, Espinosa_38, Jerbirus_39, Robinson_39, Riyhil_39, StirfryIV_38, HanSolo_38, Figueroism_39, Duocatuli_38, Rapheph_39, KannH_38, Gubbabump_38, HankSprout_39, AranulaLuti_38, HungryHenry_38, MaeLinda_39, Ilzat_38, StingRay_38, JasperRussell_38, Janus167_38, Zada_39, ManRay_38, Aubergine_38, Sedgewig_38, Thorongil_39, MrWorldwide_39
- Track 695 : Ioannes_39
- Track 696 : FarmerDoug_38
- Track 697 : Hamlet_38
- Track 698 : Alyxandracam_39
- Track 699 : TatarkaPM_39
- Track 700 : Raccoon_38
- Track 701 : Jenos_42
- Track 702 : Schnapsidee_38, Peppino_38
- Track 703 : Phriends_39, Delphidian_39, SoilGremlin_39, OldNelly_39
- Track 704 : BonesMcCoy_39, Convict_39, Knox_39
- Track 705 : Velene_39, Den3_39, Oxtober96_39, Lovelyunicorn_39
- Track 706 : Bandik_39
- Track 707 : Oats_38
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- Track 709 : Thompsone_39
- Track 710 : BigRedClifford_39, Blage_39
- Track 711 : Winzigespinne_38, AlexAdler_39, Nattles_38, Kale_38
- Track 712 : Chamuel_38, SonOfLevi_38
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- Track 721 : AxiPup_39, Vispistious_39, PuppyEggo_39, Strathdee_39
- Track 722 : GardenB_38
- Track 723 : Teagan_39
- Track 724 : Agente005_39
- Track 725 : Christoph_38
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- Track 727 : KingJulien_38, Stormbreaker8_38, Etna_38
- Track 728 : NickSell_39
- Track 729 : BeeBee8_39
- Track 730 : Garey24_38
- Track 731 : JasonD_43
- Track 732 : Acosta_40
- Track 733 : Gargoyle_39
- Track 734 : Leafus_38
- Track 735 : YuuY_37
- Track 736 : Juanyo_37
- Track 737 : Nucci_37, Mandalorian_37, Carostasia_37
- Track 738 : Quartz_38
- Track 739 : Tinyman4_37
- Track 740 : Ixel_38
- Track 741 : Schimmels22_37, HerculesXL_37
- Track 742 : WestPM_35
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- Track 745 : Saratos_38, Eleri_38
- Track 746 : Sansa_37
- Track 747 : Pikmin_35, Pajaza_35, Casey_35
- Track 748 : Lucky3_37, Golden_37, SirVictor_37, Guetzie_37
- Track 749 : Kauala_37
- Track 750 : Koji_37
- Track 751 : Pherbot_37, Bustleton_37
- Track 752 : BouleyBill_36
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- Track 767 : Chepli_40
- Track 768 : WilliamStrong_38
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- Track 771 : GaeCeo_39, ChickenKing_38
- Track 772 : ChiliPepper_40, Dismas_40, Sharkboy_41, Rona_40
- Track 773 : Cashington_40
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- Track 775 : Stromboli_43
- Track 776 : Celaena_40
- Track 777 : Bachaco_40
- Track 778 : Avocadoman_41
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- Track 780 : SansAfet_43, Arroyo_43
- Track 781 : Swervy_43, Phisb_43
- Track 782 : Katzastrophic_41
- Track 783 : Olliecat_40, Squircle_40
- Track 784 : TukTuk_43, Eula_43
- Track 785 : Rollins_40, Vitas_40, Skylord_40, Armstrong_40, Bernstein_40
- Track 786 : Doobus_41, Johnathan_41
- Track 787 : Kate33_42
- Track 788 : LimaBean_42, Abigail_42
- Track 789 : SanaSana_45
- Track 790 : BabyYoda_43, Icarian_45
- Track 791 : Franklin22_41
- Track 792 : Nicky22_43
- Track 793 : Quenya_42
- Track 794 : BAjuniper_43
- Track 795 : Kieran_40
- Track 796 : Buldak_40
- Track 797 : BubbaBear_41
- Track 798 : Clayda5_41
- Track 799 : Albedo_43
- Track 800 : Coltrane_40, Brahms_40
- Track 801 : DickRichards_41
- Track 802 : FlameThrower_40
- Track 803 : Jovita_43
- Track 804 : CroZenni_42
- Track 805 : Finalfrontier_43
- Track 806 : WalkingDead_44
- Track 807 : IndyLu_42
- Track 808 : SarBear_42, Slay_43
- Track 809 : DirtyBubble_42
- Track 810 : Burritobowl_42
- Track 811 : Lynlen_43
- Track 812 : QMacho_45
- Track 813 : Albright_40
- Track 814 : AnnaLie_43, BelmontSKP_43
- Track 815 : SunnyD_45
- Track 816 : AvGardian_44
- Track 817 : Stoor_43
- Track 818 : Gack_40
- Track 819 : Eden_40
- Track 820 : Didgeridoo_45
- Track 821 : BabyDaisy_42
- Track 822 : Lahqtemish_42
- Track 823 : Kenzers_43
- Track 824 : Shayna_42
- Track 825 : CliffHanger_46
- Track 826 : Floof_49
- Track 827 : Cen1621_44
- Track 828 : Percival_49
- Track 829 : Gretchen_48
- Track 830 : UtzChips_47, Barnstormer_47
- Track 831 : SuMoo_50
- Track 832 : Zeta1847_40

- Track 833 : GardenState_48, IAmGroot_48
- Track 834 : Honk_44
- Track 835 : Caron_50
- Track 836 : Mabodamaca_48
- Track 837 : Patbob_100
- Track 838 : Atuin_96
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- Track 840 : SJReid_106
- Track 841 : DunneganBoMo_92
- Track 842 : Talia1610_99
- Track 843 : Phrampa_94
- Track 844 : CallinAllBarbz_41
- Track 845 : BaileyBlu_41
- Track 846 : AnnabelLee_40
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- Track 848 : Dewdrop_95, Leaf_95
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- Track 861 : EmiRose_34
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- Track 863 : TPA2_63
- Track 864 : Ponzi_15
- Track 865 : Shocker_43
- Track 866 : StAugustine_89
- Track 867 : Attoomi_34
- Track 868 : Success_19
- Track 869 : BFK20_ORF44
- Track 870 : Samy_65
- Track 871 : Pine5_49

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

The start number called the most often in the published annotations is 229, it was called in 918 of the 1647 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 20ES_45, A6_41, ACFishhook_47, AEgle_37, AFIS_43, AGrandiflora_42, AN3_45, AN9_48, ANI8_48, AbbeyMikolon_44, AbbyPaige_46, AbbysRanger_44, Abbyshoes_47, Abdiel_45, Abigail_42, Abrogate_440, Achebe_43, Acme_47, Acolyte_41, Adahisdi_44, Adolin_40, Adumb2043_38, Adzzy_46, Aeneas_47,

Agaliana_41, Agape74_46, AgentM_37, Aglet_49, AgronaGT15_47, AinMach_42, Airmid_39, Ajay_45, Alatin_36, Albedo_43, Albee_45, Alberto7_46, Albright_40, Aliter_45, Alma_45, Alpacados_35, Alsfro_48, Altman_46, Alvin_44, Amyev_40, Anaysia_47, Aneem_45, Anglerfish_45, AngryOrchard_34, AnnaL29_46, AnnaLie_43, Annyong_45, Anon_42, Anselm_45, Anthony_39, Anubis_51, AppleCloud_34, Applejack_40, Aragog_37, Arcanine_46, ArcherNM_42, Archetta_38, Arissanae_44, Arlo_42, Arroyo_43, Artemis2UCLA_45, Arturo_44, Asa16_39, Ascela_41, Ashballer_46, Ashes_45, Astro_42, Atkinbua_46, Attoomi_34, AugsMagnumOpus_51, AvGardian_44, AvatarAhPeg_44, Avle17_45, Avocadoman_41, B1_42, BABullseye_43, BAjuniper_43, BK1_41, BPBiebs31_45, Baby16_45, BabyBack_43, BabyDaisy_42, BabyJohn_43, BabyRay_45, BabyYoda_43, Bachaco_40, Bachome_46, Backyardigan_43, BaconJack_48, Bactobuster_43, Badger_43, Baehexic_43, BaileyBlu_41, BangNhom_46, Barriga_45, Bartimeaus_45, Battleship_48, Beatrix_44, Beauxregard13_48, Beemo_45, BeesKnees_45, Belenaria_36, BellusTerra_46, BelmontSKP_43, Benedict_39, BengiVuitton_44, Benvolio_41, Berrie_42, Bethlehem_44, Bexan_43, BiancaTri92_44, Big3_43, BigMau_45, BigPaolini_45, Bigfoot_41, BillKnuckles_45, Bircsak_44, Blackmoor_45, Blinn1_48, BluSpix_42, Blue7_48, BlueBird_47, Blue_44, Bluefalcon_37, Bob3_42, BobSwaget_44, BobbyDazzler_36, BogosyJay_44, Bombshell_45, Bonamassa_39, Bonanza_36, Bones_45, Boohoo_47, Bowtie_45, Bradshaw_36, BreSam8_48, Briton15_46, Broseidon_45, Bruiser_44, Brunns_43, Bryce_36, BubbaBear_41, BubbleTrouble_44, Bud_44, Bugatti_46, Buggy_46, Bumblebee11_43, Burger_43, Burritobowl_42, Burton_44, Buttons_43, BuzzBuzz_46, Bxb1_41, Bxz2_44, C3_43, CRB1_46, CactusRose_42, Caelakin_45, CallinAllBarbz_41, Camperdownii_43, Candra_45, Cappuccino_40, Caraxes_45, Carlyle_44, Cashington_40, Cassia_40, Catalina_46, Caviar_44, Celaena_40, Cen1621_44, Centaur_45, CentreCat_45, Cerulean_46, Chadwick_40, ChampagnePapi_47, Chanagan_42, Changeling_45, Chaph_45, Chargerpower_44, Charm_42, Chartreuse_45, Che12_47, ChiliPepper_40, ChipMunk_47, Chiqui_43, Chupacabra_43, Ciao_45, Cici_44, Cindaradix_42, Cintron_44, Citius_45, Clarenza_44, Clayda5_41, CliffHanger_46, CloudWang3_45, Cocoaberry_45, Colbster_48, Colin_46, Commander_45, Community_43, ConceptII_46, Connomayer_45, Conquerage_45, Conspiracy_38, Coog_38, Cookiedough_45, Corvo_45, CosmicSans_36, Crewmate_46, Crispicous1_43, CroZenni_42, Crucio_44, Cuco_38, Cueyllyss_46, Cullens_48, Cyan_41, D29_44, D32_47, DBQu4n_47, DD5_44, DaHudson_48, DaVinci_45, Daishi_47, Dalmatian_45, Danforth_42, Darrell_46, DARTHPhader_42, Datway_44, Deano_44, DekHockey33_47, Deloris_43, Dexes_45, Dhanush_45, DickRichards_41, Didgeridoo_45, Dieselweasel_49, Dignity_46, Dinger_36, DirtyBubble_42, DirtyDunning_44, Discoknowium_37, Dismas_40, Dixon_43, Donkey_41, DontArgue_43, Doobus_41, Doom_45, Dorothea_45, DrFeelGood_43, DrManhattan_40, DrSierra_39, Drake55_46, Drake94_42, DreamCatcher_47, DreamTeam1_42, Dreamboat_46, DroogsArmy_41, DropBear_45, Druantia_45, Dublin_37, Dubu_35, DudeLittle_43, Dulcie_45, Duplo_47, Dussy_46, DustyMartin_48, Dynamix_45, EagleEye_46, Eagle_45, Eaglepride_45, Eapen_45, Ebony_45, Echild_44, Eden_40, Edison31_43, EdogawaKiddo_43, Edtherson_45, Eidsmoe_45, Elephantoon_44, Elezi_39, Elva_44, Emotion_46, EmyBug_44, EpicPhail_49, Epsocamisio_46, Equemioh13_45, Eraser_39, EricB_45, Erik_36, Eris_44, Eros_45, Espica_36, Espresso_44, Et2Brutus_44, Eula_43, Euphoria_43, Euratis_35, Eurydice_46, EvilGenius_47, Exile_36, Expelliarmus_42, ExplosioNervosa_45, Eyeball_46, Fajezeel_47, Fameo_44, Farber_48, Fascinus_41, Fayely_45, Fenn_46, Fernando_48, Fibonacci_44, Finalfrontier_43, FiringLine_44, First_0044, FlameThrower_40, Flare16_44, Flaverint_45, Florean_45, Flux_45,

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TukTuk_43, Turab_38, Turbido_45, Turj99_42, Tutumahutu_42, Tweety19_41, Twister_42, TwoPeat_45, TygerBlood_45, U2_43, Ugenie5_42, UhSalsa_36, Ulysses_44, UnionJack_39, Updawg_45, VA6_43, VC3_48, VResidence_41, Vanisoa_44, Vash_34, Veracruz_43, Violet_42, Vix_48, VohminGhazi_45, VroomVroom_45, Waits_47, WalterMcMickey_42, Wander_45, Warda_41, Watermelon_46, Watson_48, WeiHuaDA_48, Whabigail7_45, Wheeler_45, WideWale_45, Wiks_44, Wilbur_45, Wildwest_40, Wile_44, Wilkins_44, Wizard007_45, Wooldri_50, WunderPhul_45, Xena_43, XianYue_44, Yecey3_46, YesChef_41, YoSam321_45, Yogi_36, Yokurt_45, Yoncess_36, Zaka_45, Zeeculate_43, Zephyr_44, Zetzy_47, Zeuska_44, Zimmer_42, Zolita_39, Zulu_46, phiBT1_11, phiSASD1_12,

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

• 40AC_46, AnnabelLee_40, Armstrong_40, BRock_133, Bernstein_40, Brahms_40, Coltrane_40, EITiger69_39, Jeffabunny_45, JuneStar_42, Liebe_42, Naca_39, Rollins_40, Skylord_40, Vitas_40, Yang_41,

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

• 39HC_051, 40BC_051, 8UZL_44, A3Wally_117, ABU_61, Abinghost_58, AbsoluteMadLad_61, Acadian_58, Acosta_40, Adat_36, Adriana_62, Aelin_60, Agatha_43, Agente005_39, Ahwei_52, AikoCarson_44, Akoma_58, Alakazam_38, AlanGrant_57, AlexAdler_39, Allegro_57, Alone3_143, AltPhacts_60, Altwerkus_58, Alyxandracam_39, Amavida_56, Amigo_55, Amok_44, AnClar_50, Anansi_54, AnarQue_54, AndPeggy_40, Anderson_61, Andre_62, Andromedas_38, Antihero_52, Antoinette_39, Antonia_60, Apex_54, Apizium_60, AranulaLuti_38, Arbiter_56, Ares_57, Ashraf_62, Asta_38, Athena_60, Atuin_96, Aubergine_38, Audrey_58, Austelle_54, AxiPup_39, Axumite_51, Axym_42, Azira_40, BFK20_ORF44, Badfish_61, Bae_59, Baines_38, Baloo_58, Balsa_38, Bananafish_57, Bandik_39, Banjo_59, Barnstormer_47, Basato_61, BatteryCK_61, Beaglebox_60, BeautPeep30_39, BeeBee8_39, Ben11_58, Benjaloren_39, Bernardo_59, Big4_105, BigChungus_44, BigRedClifford_39, BiggityBass_49, BillDoor_43, BirdsNest_61, Bishoperium_60, Biskit_45, BlackStallion_62, Blage_39, Blocker23_57, Bloom_103, BlueHusk_62, BlueNGold_170, Bluephacebaby_60, BobRoss2024_51, BobbyK_54, Boehler_60, Boersma_57, BonesMcCoy_39, Bonino_38, Boopy_173, BouleyBill_36, Boyle_57, Brad_36, Bradman_44, Briakila_57, Brilliant_63, BrownCNA_55, Brownie5_57, Buckeye_61, Buldak_40, Burnsey_43, Burr_60, Bustleton_37, Button_46, Buttrmlkdreams_45, Byron23_39, CRB2_57, CaiB_54, Calamitous_57, Calix_38, CamL_60, CampRoach_62, Cannibal_60, CaptainRex_37, Caron_50, Carostasia_37, Carsonalex_46, Carthage_59, Casbah_58, Casey_35, Casserole_35, Cece_99, ChaChing_58, Chaelin_61, Chah_62, Chako_38, Chamuel_38, Chandler_58, Charles1_61, CharlieGBrown_61, CharlottesWeb_50, CheetO_60, Cheeto1_39, Chepli_40, Cher_60, CherryonLim_46, ChickenKing_38, ChikPic_38, Childish_60, Chorkpop_60, ChrisnMich_53, Christoph_38, Chunky_59, Chute_62, Clancy_38, Cleo_38, Clock_37, CloverMinnie_53, Cobra_62, Coffee_57, ColaCorta_38, Colbert_59, Coldpizza_51, Coletti_63, Compostia_58, Convict_39, Cooper_54, Cornobble_60, Corofin_58, Cosmolli16_61, Cozz_41, Craff_63, Crownjwl_60, DaddyDaniels_62, Daffy_60, Daisy_57, Daka_63, Dati_60, Dave_39, Deenasa_58, DelRivs_59, Delphidian_39, Den3_39, Derpp_60, Devonte_57, Dewdrop_95, Dice_59, DigitDog_58, Dingo_59, Dione_58, DirtJuice_61, Doddsville_61, DoesntMatter_58, DonSanchon_58, Donny_59, Dothraki_39, Dre3_38, DuchessDung_62, Duggie_61, DunneganBoMo_92, Duocatuli_38, Durga_63, EZMoney23_43, Eaglehorse_57, EastView9101_57, Eleri_38, Elinal_48, Elliott_43, Emalyn_42, EmiRose_34,

Emiris_63, EmpTee_60, Endor_39, Epah_52, Eremos_60, Erla_38, Espinosa_38, Etaye_62, Etna_38, Etta_38, Eugenia_60, Evaa_50, FF47_43, Fanaw_52, Fang_62, FarmerDoug_38, Faze9_56, Feastonyeet_44, Figueroism_39, Finny_38, Floof_49, FluffyNinja_62, Fortunato_54, Forza_174, Fozzie_61, Frankicide_59, Frederick_54, FrenchFry_57, Fresco_51, Freya_58, FriarPreacher_60, Fribs8_39, Fringe_64, FugateOSU_61, Fulton_37, Funsized_59, GMA2_66, GTE2_35, Gadget_59, GaeCeo_39, GardenB_38, GardenState_48, Gareth_60, Garey24_38, Gargoyle_39, Gelo_38, GeneCoco_61, Gershwin_38, Gervas_59, GiJojo_132, GiKK_48, Gibbous_38, GinPorsche_52, Giraffe_61, Glamour_37, Glass_57, GlenHope_59, Godines_58, GodonK_188, GoldHunter_44, Golden_37, Gophee_62, Gorgeous_54, Grand2040_60, GreenIvy_37, Gretchen_48, Greys_39, Gubbabump_38, Guetzie_37, GurgleFerb_36, Gustav_47, Gwilliam_62, Gyarad_0059, HSavage_59, Haimas_59, Haleema_59, Halfpint_57, Hally898_52, Hamish_59, Hamlet_38, HanSolo_38, Hangman_53, HankSprout_39, Hartsy_61, HarveySr_57, Harvey_59, Hashim76_62, Hasitha_37, Heath_52, Heathcliff_58, Hedgerow_57, Held_60, Hendrix_88, HenryJackson_60, HerculesXL_37, Hertubise_60, Hetaeria_60, Hexbug_51, Heylee_57, HighStump_62, HippoPololi_40, Hocus_60, Holeinone_57, Honk_44, Horchata_59, Horseradish_45, Hosp_050, HungryHenry_38, Huwburt_71, Hydro_53, IAmGroot_48, Ichor_55, Ilzat_38, ImtiyazSitla_62, Imvubu_52, Inchworm_62, Indlovu_55, Inventa_39, Inverness_59, Ioannes_39, Iridoclysis_61, IsaacEli_62, ItsyBitsy1_57, Ixel_38, JAMaL_53, JDog_59, JacAttac_62, Jackstina_54, JacoRen57_40, Jaek_55, JaguarMi_55, JakeO_61, Jamzy_48, JangoPhett_60, Janus167_38, Jasmine_38, JasonD_43, JasperRussell_38, Jemerald_40, Jenos_42, Jerbirus_39, JeriBeth_39, Jillium_60, Jiminy_61, Jiraiya_64, Jolie1_052, Jsquared_43, Juanyo_37, Juicer_40, KLucky39_59, Kahve_60, Kailash_61, Kale_38, Kaleb_57, Kamiyu_58, KannH_38, KarasumaRum_58, KatChan_40, Katniss_61, Kauala_37, KayGee_46, KayaCho_51, Keitherie_62, Keziacharles14_44, Kheth_57, Kikipoo_62, KimJongPhill_80, Kimbrough_61, KingJulien_38, KingTut_53, KingVeVeVe_59, KlimbOn_60, Klimt_38, Kloppinator_61, Knocker_59, Knox_39, Koduck_44, Koji_37, Kronus_58, Kurt1_39, Kwadwo_59, Kwksand96_61, L5_44, Labeouficaum_61, Lambano_52, Lars_57, LasagnaCat_62, Lasso_61, Lauer_41, Laurie_57, Leaf_95, Leafus_38, LeeLot_61, Lego3393_59, Legolas_62, LeiMonet_63, LemonSlice_61, Lephleur_57, LestyG_57, Librie_37, Ligma_51, LilMcDreamy_55, LilTerminator_38, LittleMunchkin_52, LizLemon_57, Lolalove_54, Longacauda_61, Lopsy_59, LostAndPhound_61, Lovelyunicorn_39, Lucky3_37, LuckyMarjie_58, LuckySocke_138, Ludgate_39, Lulumae_58, Lulwa_58, Lumine_61, Luna18_40, MAnor_46, MCubed_38, MRabcd_60, MScarn_47, MaVan_40, Mabodamaca_48, Maco6_42, MaeLinda_39, Mag7_61, Magic8_61, Magpie_52, Mahdia_44, MajorMajor_44, MakoManhole_51, ManRay_38, Mana_59, Manad_60, Mandalorian_37, Mareelih_171, Margaret_49, Mariokart_50, Marley1013_59, Martin_40, Maru_60, Maskar_62, MasterPo_57, Matalotodo_60, Mayweather_49, McGalleon_41, Mcshane_59, Mecca_60, Megamind20_61, Megatron_61, Melc17_60, MelsMeow_61, Mercedes_34, Mesh1_62, MichaelPhcott_61, Mikota_59, MillyPhilly_39, Mimi_105, MiniBoss_58, MitKao_60, Mithril_53, MmasiCarm_59, Molivia_56, MonChoix_37, Morgushi_60, Morrigan_40, Morrissey_47, Mortcellus_58, Morty007_58, Morty_61, Mosaic_59, MossRose_53, MrPhizzler_61, MrWorldwide_39, Muddy_44, Mudslide_53, Mulan_60, MunkgeeRoachy_41, Murdoc_59, Mutante_60, Mysterious_58, NHagos_52, Nacho_0062, Nagem_39, Nanao_52, Nangang_58, Nattles_38, Nebulous_37, Neferthena_38, Nehemiah_57, Nellie_36, Neos5_58, Newman_59, Nibbles_39, NickSell_39, Nicole21_61, Nigel_54, Nina_42, NoShow_52, Nodigi_51, Nozo_58, Nucci_37, Numberten_60, Nyala_59, OSmaximus_62, Oats_38, Obutu_59, Olak_59, OldNelly_39, Oline_61, Olive_60, OliverWalter_59, Olliecat_40, Omniscient_61, Oosterbaan_60, Opia_57,

OrangeOswald_58, Orfeu_59, Orion_62, Orla_51, Orwigg_61, Oxtober96_39, PG1_61, Pacifista_59, Pajaza_35, Papafritta_38, ParleG_39, Patbob_100, PauloDiaboli_117, Peep_39, PenguinLover67_56, Peppino_38, Percival_49, Phaedrus_54, Phamished_62, Phantasmagoria_57, Phareon_59, PhatCats2014_61, PhatLouie_62, Phayeta_60, Phelemich_56, Phendrix_176, PhenghisKhan_61, Pherbot_37, Pherdinand_62, Pherferi_39, Phergie_62, Phiderman_39, Philly_57, Phipps_60, Phireproof_39, Phleuron_61, Phlyer_58, Phrampa_94, PhrankReynolds_60, PhredFlintston_39, Phriends_39, PhrodoBaggins_61, Phunky_59, Piglet_0060, Pikmin_35, Pine5_49, PinheadLarry_61, Pinkman_60, Pipefish_59, Pipsqueak_59, Placalicious_61, Plmatters_59, Pocket_38, Podrick_59, Pons_46, Pops_60, Poster_52, PotPie_44, Potter_59, Prickles_62, PrincePhergus_37, Prince_53, ProfessorX_60, PsychoKiller_42, Puhltonio_60, Pumpernickel_113, Puppies_42, PuppyEggo_39, QuadZero_37, Quartz_38, Quasar_43, QueenBeane_60, QueenPie_51, Quenya_42, Quesadilla_58, Quisquilliae_61, Quokka_43, Qyrzula_52, Raccoon_38, Racecar_100, RagingRooster_57, RanchParmCat_48, Rappheph_39, Raptor_39, Rasputia_89, RawrgerThat_54, RedBaron_45, RedMaple_62, Redfield_38, Renzie_39, Reprobate_57, Rhinoforte_57, Rich_58, Ricotta_60, Riggan_61, Rimu_63, Rings_55, Rinkes_56, Rita1961_59, Riyhil_39, Robinson_39, Robyn_60, Rog141_38, Roliet_58, RomaT_58, Roscoe_61, Rosebush_56, Roy17_59, SDcharge11_60, SJReid_106, SJay_39, Sabella_56, Saguario_58, Samaymay_60, Sansa_37, Saratos_38, SassyCat97_59, Schadenfreude_60, Schimmels22_37, Schnapsidee_38, Schubert_36, Schueller_62, Scoot17C_61, Scrick_61, Sedgewig_38, Selr12_61, Serendipitous_56, Serendipity_60, Serpentine_0060, ShaiHulud_39, Shamu_38, Shatter_51, SheckWes_48, Shee_39, Sheila_58, Shenyu_58, ShiVal_58, Shocker_43, Shrew_87, Sigman_61, SilverBell_61, Simielle_60, Sinatra_37, SirJeffery_57, SirVictor_37, Sisko_49, Sixama_172, SketchMex_43, Skippy_61, Slatt_61, SlippinJimmy_60, SoilGremlin_39, Soile_61, Solosis_59, SonOfLevi_38, Sopespian_41, Sophia_59, SorJuana_54, Soto_59, Sour_53, Spartan300_60, Squid_60, Squiggle_61, Squirrel_40, StAugustine_89, Stanktossa_39, SteamedHams_43, StingRay_38, Stinger_54, StinkyVeggy_58, StirfryIV_38, Stormbreaker8_38, Strathdee_39, Struggle_61, SuMoo_50, Suffolk_59, Suigeneris_59, SummitAcademy_44, Superfresh_39, Surely_60, Survivors_40, SweatNTears_44, Swiphy_64, Swish_62, SynergyX_58, TA17A_57, TPA2_63, Talia1610_99, TallGrassMM_60, TarsusIV_42, TatarkaPM_39, Teagan_39, TeddyBear_38, Telesworld_58, Tenda_38, Thompsone_39, Thonko_60, Thora_60, Thorongil_39, ThreeOh3D2_62, Thunderbird_60, Thunderclap_54, Timmi_59, TinSulphur_39, Tinciduntolum_58, Tinyman4_37, Toaka_44, Tolls_44, TomBombadil_60, Tomlarah_61, Toni_60, Tooj_59, Tres_57, Trine_42, Triscuit_70, Troje_45, Trooper_45, True_59, Trypo_63, Tydolla_56, Typhonmacy_43, TyrionL_61, UAch1_60, UncleHowie_59, Upyo_46, Usavi_60, UtzChips_47, Vaishali24_59, Valjean_60, Vaticameos_57, Velene_39, Veritas_62, Vic9_58, Vincenzo_56, Vine_47, VioletZ_55, Virapocalypse_61, Virgeve_60, Vispistious_39, Vista_60, Vivaldi_62, Vortex_60, Waleliano_53, WalkingDead_44, Wallhey_61, Waterdiva_60, Weher20_60, West99_57, WestPM_35, Widow_43, WildNOut_39, WilliamStrong_38, Windsor_60, Winzigespinne_38, Wooper_54, Xavier_59, Xincheng_54, Yago84_49, Yahalom_57, Yakult_46, Yappy_83, Yarn_40, Yeezus_55, Yinz_58, Yoshand_62, YouGoGlencoco_61, Yummy_45, YuuY_37, Zada_39, Zaider_61, Zareef_42, Zayuliv_37, Zelda_61, Zemanar_54, Zenitsu_38, Zenteno07_62, Zepp_38, Zeta1847_40, Zonia_62, Zooman_100, Zuko_78,

Summary by start number:

Start 4:

- Found in 5 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gustav_47 (CD), Mahdia_44 (CD), Morrissey_47 (CD), Poppers_42 (CD), Widow_43 (CD),

Start 12:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zuko_78 (BR),

Start 18:

- Found in 1 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Upyo_46 (CD),

Start 21:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Huwbert_71 (GG), Triscuit_70 (GG),

Start 23:

- Found in 1 of 1822 (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: Shrew_87 (singleton),

Start 32:

- Found in 24 of 1822 (1.3%) of genes in pham
- Manual Annotations of this start: 16 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agatha_43 (CT), Axym_42 (CT), BillDoor_43 (CT), Biskit_45 (CT), Burnsey_43 (CT), Buttrmlkdreams_45 (CT), Carsonalex_46 (CT), Cozz_41 (CT), Elliott_43 (CT), GTE2_35 (CT), GoldHunter_44 (CT), Horseradish_45 (CT), MScarn_47 (CT), MunkgeeRoachy_41 (CT), Nina_42 (CT), PsychoKiller_42 (CT), Quasar_43 (CT), RedBaron_45 (CT), SketchMex_43 (CT), Sopespian_41 (CT), SweatNTears_44 (CT), Troje_45 (CT), Typhonmarchy_43 (CT), Yummy_45 (CT),

Start 33:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: KimJongPhill_80 (BR),

Start 38:

- Found in 5 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 40.0% of time when present

- Phage (with cluster) where this start called: FF47_43 (AB), HippoPololi_40 (CT),

Start 39:

- Found in 27 of 1822 (1.5%) of genes in pham
- Manual Annotations of this start: 23 of 1647
- Called 92.6% of time when present
- Phage (with cluster) where this start called: AikoCarson_44 (CT), Amok_44 (CT), AndPeggy_40 (CT), Azira_40 (CT), Button_46 (CT), Cleo_38 (CT), Dre3_38 (CT), Emalyn_42 (CT), Fribs8_39 (CT), GiKK_48 (CT), Gibbous_38 (CT), Hexbug_51 (CT), Jamzy_48 (CT), MaVan_40 (CT), Margaret_49 (CT), Nibbles_39 (CT), Nodigi_51 (CT), Orla_51 (CT), RanchParmCat_48 (CT), SteamedHams_43 (CT), Survivors_40 (CT), Tolls_44 (CT), Yakult_46 (CT), Yarn_40 (CT), Zareef_42 (CT),

Start 41:

- Found in 13 of 1822 (0.7%) of genes in pham
- Manual Annotations of this start: 13 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigChungus_44 (CT), CherryonLim_46 (CT), Elinal_48 (CT), Feastonyeet_44 (CT), KayGee_46 (CT), Lauer_41 (CT), MAnor_46 (CT), Mayweather_49 (CT), Pons_46 (CT), PotPie_44 (CT), SheckWes_48 (CT), SummitAcademy_44 (CT), Vine_47 (CT),

Start 49:

- Found in 4 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 25.0% of time when present
- Phage (with cluster) where this start called: NoShow_52 (AB),

Start 55:

- Found in 20 of 1822 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 5.0% of time when present
- Phage (with cluster) where this start called: JacoRen57_40 (AB),

Start 59:

- Found in 6 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 33.3% of time when present
- Phage (with cluster) where this start called: 8UZL_44 (AB), Muddy_44 (AB),

Start 70:

- Found in 8 of 1822 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Maco6_42 (AB),

Start 87:

- Found in 11 of 1822 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 9.1% of time when present
- Phage (with cluster) where this start called: 40AC_46 (A17),

Start 130:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: JuneStar_42 (AZ1),

Start 139:

- Found in 4 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Liebe_42 (AZ2),

Start 162:

- Found in 12 of 1822 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Trine_42 (CD), Yang_41 (AZ1),

Start 174:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JAMaL_53 (B4), Nigel_54 (B4),

Start 175:

- Found in 307 of 1822 (16.8%) of genes in pham
- Manual Annotations of this start: 5 of 1647
- Called 1.6% of time when present
- Phage (with cluster) where this start called: BrownCNA_55 (B4), ChrisnMich_53 (B4), Fortunato_54 (B4), Frederick_54 (B4), Piglet_0060 (B1),

Start 178:

- Found in 4 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Imvubu_52 (B10),

Start 180:

- Found in 6 of 1822 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 83.3% of time when present
- Phage (with cluster) where this start called: DigitDog_58 (B5), KarasumaRum_58 (B5), Nangang_58 (B5), Shenyu_58 (B5), StinkyVeggy_58 (B5),

Start 182:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Stinger_54 (B4),

Start 188:

- Found in 7 of 1822 (0.4%) of genes in pham
- Manual Annotations of this start: 5 of 1647
- Called 71.4% of time when present

- Phage (with cluster) where this start called: Dewdrop_95 (GC), Hendrix_88 (GC), Leaf_95 (GC), Rasputia_89 (GC), TatarkaPM_39 (EA1),

Start 189:

- Found in 82 of 1822 (4.5%) of genes in pham
- Manual Annotations of this start: 57 of 1647
- Called 90.2% of time when present
- Phage (with cluster) where this start called: Acadian_58 (B5), Ahwei_52 (B4), AlanGrant_57 (B4), Allegro_57 (B2), Antihero_52 (B4), Apex_54 (B4), Arbitrator_56 (B2), Ares_57 (B2), Austelle_54 (B4), Bae_59 (B5), Bananafish_57 (B2), Blocker23_57 (B2), BobbyK_54 (B4), Boyle_57 (B2), Brownie5_57 (B2), Calamitous_57 (B2), Coffee_57 (B2), Cooper_54 (B4), Donny_59 (B5), Eaglehorse_57 (B2), EastView9101_57 (B5), Epah_52 (B4), Fanaw_52 (B4), Faze9_56 (B2), FrenchFry_57 (B2), GinPorsche_52 (B4), Glass_57 (B2), Godines_58 (B2), Hally898_52 (B4), Hangman_53 (B4), Heath_52 (B4), Hedgerow_57 (B2), Holeinone_57 (B2), Hydro_53 (B4), ItsyBitsy1_57 (B2), JaguarMi_55 (B4), Kaleb_57 (B2), Kheth_57 (B2), Lambano_52 (B4), Lars_57 (B2), Laurie_57 (B2), Lephleur_57 (B2), LilMcDreamy_55 (B12), LizLemon_57 (B2), Lolalove_54 (B4), Maggie_52 (B4), MasterPo_57 (B2), Mithril_53 (B4), Mudslide_53 (B4), Mysterious_58 (B5), Nanao_52 (B4), Nehemiah_57 (B5), Opia_57 (B2), Phantasmagoria_57 (B2), Phelemich_56 (B5), Poster_52 (B4), Prince_53 (B4), QueenPie_51 (B4), RawrgerThat_54 (B4), Reprobate_57 (B5), Rhinoforte_57 (B2), Rich_58 (B5), Rosebush_56 (B2), Sabella_56 (B2), Suigeneris_59 (B5), TA17A_57 (B2), Tinciduntolum_58 (B2), Tres_57 (B2), Vic9_58 (B2), Vincenzo_56 (B4), VioletZ_55 (B4), Waleliano_53 (B4), West99_57 (B2), Xincheng_54 (B4),

Start 190:

- Found in 4 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 25.0% of time when present
- Phage (with cluster) where this start called: EmiRose_34 (singleton),

Start 193:

- Found in 7 of 1822 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 85.7% of time when present
- Phage (with cluster) where this start called: 39HC_051 (B6), 40BC_051 (B6), Hosp_050 (B6), Indlovu_55 (B11), Jolie1_052 (B6), KayaCho_51 (B6),

Start 194:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zemanar_54 (B4),

Start 195:

- Found in 6 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 33.3% of time when present
- Phage (with cluster) where this start called: EITiger69_39 (A5), Naca_39 (A5),

Start 197:

- Found in 282 of 1822 (15.5%) of genes in pham

- Manual Annotations of this start: 267 of 1647
- Called 99.3% of time when present
- Phage (with cluster) where this start called: ABU_61 (B1), AbsoluteMadLad_61 (B1), Adriana_62 (B1), Aelin_60 (B1), AltPhacts_60 (B1), Altwerkus_58 (B1), Anderson_61 (B1), Andre_62 (B1), Antonia_60 (B1), Apizium_60 (B1), Ashraf_62 (B1), BFK20_ORF44 (singleton), Badfish_61 (B1), Banjo_59 (B1), Basato_61 (B1), BatteryCK_61 (B1), Beaglebox_60 (B1), Bishoperium_60 (B1), BlackStallion_62 (B1), BlueHusk_62 (B1), Bluephacebaby_60 (B1), Boehler_60 (B1), Brilliant_63 (B1), Buckeye_61 (B1), Burr_60 (B1), CRB2_57 (B9), CamL_60 (B1), CampRoach_62 (B1), Cannibal_60 (B1), Carthage_59 (B1), Chaelin_61 (B1), Chah_62 (B1), Charles1_61 (B1), CharlieGBrown_61 (B1), CheetO_60 (B1), Cher_60 (B1), Childish_60 (B1), Chorkpop_60 (B1), Chunky_59 (B1), Chute_62 (B1), Cobra_62 (B1), Colbert_59 (B1), Coletti_63 (B1), Cornobble_60 (B1), Cosmolli16_61 (B1), Craff_63 (B1), Crownjwl_60 (B1), DaddyDaniels_62 (B1), Daffy_60 (B1), Daka_63 (B1), Dati_60 (B1), DelRivs_59 (B1), Derpp_60 (B1), Dice_59 (B1), Dingo_59 (B1), Dione_58 (B1), DirtJuice_61 (B1), Doddsville_61 (B1), DoesntMatter_58 (B1), DonSanchon_58 (B1), DuchessDung_62 (B1), Duggie_61 (B1), Durga_63 (B1), Emiris_63 (B1), EmpTee_60 (B1), Eremos_60 (B1), Etaye_62 (B1), Eugenia_60 (B1), Fang_62 (B1), FluffyNinja_62 (B1), Fozzie_61 (B1), Frankicide_59 (B1), Freya_58 (B1), FriarPreacher_60 (B1), Fringe_64 (B1), FugateOSU_61 (B1), Funsized_59 (B9), Gareth_60 (B1), GeneCoco_61 (B1), Giraffe_61 (B1), Gophee_62 (B1), Grand2040_60 (B1), Gwilliam_62 (B1), Gyarad_0059 (B1), HSavage_59 (B1), Haimas_59 (B1), Haleema_59 (B1), Hamish_59 (B1), Hartsy_61 (B1), Harvey_59 (B1), Held_60 (B1), HenryJackson_60 (B1), Hertubise_60 (B1), Hetaeria_60 (B1), HighStump_62 (B1), Hocus_60 (B1), Horchata_59 (B1), ImtiyazSitla_62 (B1), Inchworm_62 (B1), Inverness_59 (B1), Iridoclysis_61 (B1), IsaacEli_62 (B1), JDog_59 (B1), JacAttac_62 (B1), JakeO_61 (B1), JangoPhett_60 (B1), Jillium_60 (B1), Jiminy_61 (B1), Jiraiya_64 (B1), KLucky39_59 (B1), Kahve_60 (B1), Kailash_61 (B1), Katniss_61 (B1), Keitherie_62 (B1), Kikipoo_62 (B1), Kimbrough_61 (B1), KingTut_53 (B1), KingVeVeVe_59 (B1), KlimbOn_60 (B1), Kloppinator_61 (B1), Knocker_59 (B9), Kwadwo_59 (B1), Kwksand96_61 (B1), Labeouficaum_61 (B1), LasagnaCat_62 (B1), Lasso_61 (B1), LeeLot_61 (B1), Lego3393_59 (B1), Legolas_62 (B1), LeiMonet_63 (B1), LemonSlice_61 (B1), Longacauda_61 (B1), Lopsy_59 (B1), LostAndPhound_61 (B1), LuckyMarjie_58 (B1), Lulumae_58 (B1), Lulwa_58 (B1), Lumine_61 (B1), MRabcd_60 (B1), Mag7_61 (B1), Magic8_61 (B1), Mana_59 (B1), Manad_60 (B1), Maru_60 (B1), Maskar_62 (B1), Matalotodo_60 (B1), Mcshane_59 (B1), Mecca_60 (B1), Megamind20_61 (B1), Megatron_61 (B1), Melc17_60 (B1), MelsMeow_61 (B1), Mesh1_62 (B1), MichaelPhcott_61 (B1), Mikota_59 (B1), MiniBoss_58 (B1), MitKao_60 (B1), Morgushi_60 (B1), Morty_61 (B1), Mosaic_59 (B1), MrPhizzler_61 (B1), Mulan_60 (B1), Murdoc_59 (B1), Mutante_60 (B1), Nacho_0062 (B1), Newman_59 (B1), Nicole21_61 (B1), Numberten_60 (B1), Nyala_59 (B1), OSmaximus_62 (B1), Olak_59 (B1), Oline_61 (B1), Olive_60 (B1), OliverWalter_59 (B1), Omniscient_61 (B1), Oosterbaan_60 (B1), Orfeu_59 (B1), Orion_62 (B1), Orwigg_61 (B1), PG1_61 (B1), Pacifista_59 (B1), Phamished_62 (B1), Phareon_59 (B1), PhatCats2014_61 (B1), PhatLouie_62 (B1), PhenghisKhan_61 (B1), Pherdinand_62 (B1), Phergie_62 (B1), Phipps_60 (B1), Phleuron_61 (B1), PhrankReynolds_60 (B1), PhrodoBaggins_61 (B1), Phunky_59 (B1), PinheadLarry_61 (B1), Pinkman_60 (B1), Pipsqueak_59 (B1), Placalicious_61 (B1), Plmatters_59 (B1), Podrick_59 (B1), Pops_60 (B1), Potter_59 (B1), Prickles_62 (B1), ProfessorX_60 (B1), Puhltonio_60 (B1), QueenBeane_60 (B1), Quesadilla_58 (B9), Quisquilliae_61 (B1), RedMaple_62 (B1), Ricotta_60 (B1), Riggan_61 (B1), Rimu_63 (B1), Rinkes_56 (B9), Robyn_60 (B1), Roliet_58 (B1), Roscoe_61 (B1), Roy17_59 (B1), SDcharge11_60 (B1), Samaymay_60 (B1), SassyCat97_59 (B1),

Schadenfreude_60 (B1), Schueller_62 (B1), Scoot17C_61 (B1), Scrick_61 (B1), Selr12_61 (B1), Serendipity_60 (B1), Serpentine_0060 (B1), Sheila_58 (B1), ShiVal_58 (B1), Sigman_61 (B1), SilverBell_61 (B1), Simielle_60 (B1), Skippy_61 (B1), Slatt_61 (B1), Soile_61 (B1), Solosis_59 (B1), Sophia_59 (B1), Soto_59 (B1), Spartan300_60 (B1), Squid_60 (B1), Squiggle_61 (B1), Struggle_61 (B1), Suffolk_59 (B1), Surely_60 (B1), Swiphy_64 (B1), Swish_62 (B1), TallGrassMM_60 (B1), Telesworld_58 (B1), Thora_60 (B1), ThreeOh3D2_62 (B1), Thunderbird_60 (B1), Timmi_59 (B1), TomBombadil_60 (B1), Tomlarah_61 (B1), Toni_60 (B1), Tooj_59 (B1), True_59 (B1), Trypo_63 (B1), TyrionL_61 (B1), UAch1_60 (B1), UncleHowie_59 (B1), Usavi_60 (B1), Vaishali24_59 (B1), Valjean_60 (B1), Vaticameos_57 (B1), Veritas_62 (B1), Virapocalypse_61 (B1), Virgeve_60 (B1), Vista_60 (B1), Vivaldi_62 (B1), Vortex_60 (B1), Wallhey_61 (B1), Waterdiva_60 (B1), Weher20_60 (B1), Windsor_60 (B1), Xavier_59 (B1), Yoshand_62 (B1), YouGoGlencoco_61 (B1), Zaider_61 (B1), Zelda_61 (B1), Zonia_62 (B1),

Start 200:

- Found in 3 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Saguaro_58 (B7),

Start 201:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: PenguinLover67_56 (B9),

Start 202:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Serendipitous_56 (B5),

Start 203:

- Found in 16 of 1822 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Jeffabunny_45 (A6),

Start 216:

- Found in 102 of 1822 (5.6%) of genes in pham
- Manual Annotations of this start: 3 of 1647
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Chako_38 (EA1), Chamuel_38 (EA1), SonOfLevi_38 (EA1),

Start 218:

- Found in 14 of 1822 (0.8%) of genes in pham
- Manual Annotations of this start: 13 of 1647
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Amavida_56 (AQ), Amigo_55 (AQ), Anansi_54 (AQ), Boersma_57 (AQ), Gorgeous_54 (AQ), Heylee_57 (AQ), Ichor_55 (AQ), Jaek_55 (AQ), Molivia_56 (AQ), Rings_55 (AQ), SorJuana_54 (AQ),

Thunderclap_54 (AQ), Yeezus_55 (AQ),

Start 220:

- Found in 6 of 1822 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Buldak_40 (EB), Olliecat_40 (EB), Squiracle_40 (EB), Yappy_83 (singleton),

Start 221:

- Found in 1 of 1822 (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: AnnabelLee_40 (FR),

Start 222:

- Found in 3 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_61 (B13), Hashim76_62 (B13), Zenteno07_62 (B13),

Start 224:

- Found in 7 of 1822 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: WalkingDead_44 (EB),

Start 225:

- Found in 6 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 16.7% of time when present
- Phage (with cluster) where this start called: Thonko_60 (B8),

Start 226:

- Found in 36 of 1822 (2.0%) of genes in pham
- Manual Annotations of this start: 7 of 1647
- Called 19.4% of time when present
- Phage (with cluster) where this start called: Armstrong_40 (EB), Bernstein_40 (EB), Brahms_40 (EB), Coltrane_40 (EB), Rollins_40 (EB), Skylord_40 (EB), Vitas_40 (EB),

Start 227:

- Found in 11 of 1822 (0.6%) of genes in pham
- Manual Annotations of this start: 8 of 1647
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Floof_49 (EH), GardenState_48 (EH), Gretchen_48 (EH), Honk_44 (EH), IAmGroot_48 (EH), Percival_49 (EH), SuMoo_50 (EH), Zeta1847_40 (EH),

Start 228:

- Found in 15 of 1822 (0.8%) of genes in pham
- Manual Annotations of this start: 10 of 1647

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barnstormer_47 (EH), Bradman_44 (A2), Caron_50 (EH), EZMoney23_43 (A2), Jsquared_43 (A2), Keziacharles14_44 (A9), Koduck_44 (A2), L5_44 (A2), Mabodamaca_48 (EH), MajorMajor_44 (A2), Quokka_43 (A2), TarsusIV_42 (A2), Toaka_44 (A9), Trooper_45 (A2), UtzChips_47 (EH),

Start 229:

- Found in 1020 of 1822 (56.0%) of genes in pham
- Manual Annotations of this start: 918 of 1647
- Called 98.4% of time when present
- Phage (with cluster) where this start called: 20ES_45 (A2), A6_41 (A1), ACFishhook_47 (A3), AEgle_37 (AZ1), AFIS_43 (A1), AGrandiflora_42 (AZ1), AN3_45 (A2), AN9_48 (A2), ANI8_48 (A2), AbbeyMikolon_44 (BL), AbbyPaige_46 (A2), AbbysRanger_44 (A4), Abbysshoes_47 (A1), Abdiel_45 (A4), Abigail_42 (EB), Abrogate_440 (A1), Achebe_43 (A4), Acme_47 (A1), Acolyte_41 (A2), Adahisdi_44 (A1), Adolin_40 (AZ1), Adumb2043_38 (AZ1), Adzzy_46 (A2), Aeneas_47 (A1), Agaliana_41 (A1), Agape74_46 (A2), AgentM_37 (A5), Aglet_49 (A3), AgronaGT15_47 (A3), AinMach_42 (AZ), Airmid_39 (A5), Ajay_45 (A1), Alatin_36 (CA), Albedo_43 (EB), Albee_45 (A4), Alberto7_46 (A4), Albright_40 (EB), Aliter_45 (A9), Alma_45 (A9), Alpacados_35 (CA), Alsfro_48 (A1), Altman_46 (A1), Alvin_44 (A1), Amyev_40 (AZ1), Anaysia_47 (A15), Aneem_45 (A11), Anglerfish_45 (A1), AngryOrchard_34 (CA), AnnaL29_46 (A2), AnnaLie_43 (EB), Annyong_45 (A4), Anon_42 (A15), Anselm_45 (A2), Anthony_39 (A20), Anubis_51 (A3), AppleCloud_34 (CA), Applejack_40 (A1), Aragog_37 (A5), Arcanine_46 (A1), ArcherNM_42 (A2), Archetta_38 (A5), Arissanae_44 (A9), Arlo_42 (A1), Arroyo_43 (EB), Artemis2UCLA_45 (A6), Arturo_44 (A4), Asa16_39 (AZ1), Ascela_41 (AZ1), Ashballer_46 (A1), Ashes_45 (AZ5), Astro_42 (A8), Atkinbua_46 (A1), Attoomi_34 (singleton), AugsMagnumOpus_51 (A3), AvGardian_44 (EB), AvatarAhPeg_44 (A4), Avle17_45 (A4), Avocadoman_41 (EB), B1_42 (A3), BABullseye_43 (A6), BAjuniper_43 (EB), BK1_41 (A1), BPBiels31_45 (A1), Baby16_45 (A4), BabyBack_43 (A2), BabyDaisy_42 (EB), BabyJohn_43 (A3), BabyRay_45 (A3), BabyYoda_43 (EB), Bachaco_40 (EB), Bachome_46 (A11), Backyardigan_43 (A4), BaconJack_48 (A1), Bactobuster_43 (A2), Badger_43 (A4), Baehexic_43 (A2), BaileyBlu_41 (FP), BangNhom_46 (A4), Barriga_45 (A1), Bartimeaus_45 (A4), Battleship_48 (A15), Beatrix_44 (A1), Beauxregard13_48 (A3), Beemo_45 (A9), BeesKnees_45 (A1), Belenaria_36 (CA), BellusTerra_46 (A4), BelmontSKP_43 (EB), Benedict_39 (A5), BengiVuitton_44 (A2), Benvolio_41 (A2), Berrie_42 (AZ1), Bethlehem_44 (A1), Bexan_43 (A1), BiancaTri92_44 (A2), Big3_43 (A1), BigMau_45 (A1), BigPaolini_45 (A1), Bigfoot_41 (A1), BillKnuckles_45 (A1), Bircsak_44 (A1), Blackmoor_45 (A4), Blinn1_48 (A6), BluSpix_42 (A1), Blue7_48 (A6), BlueBird_47 (A3), Blue_44 (A1), Bluefalcon_37 (A5), Bob3_42 (A1), BobSwaget_44 (A2), BobbyDazzler_36 (CA), BogosyJay_44 (A9), Bombshell_45 (A4), Bonamassa_39 (A5), Bonanza_36 (CA), Bones_45 (A1), Boohoo_47 (A15), Bowtie_45 (A11), Bradshaw_36 (CA), BreSam8_48 (A3), Briton15_46 (A1), Broseidon_45 (A4), Bruiser_44 (A4), Bruns_43 (A1), Bryce_36 (CA), BubbaBear_41 (EB), BubbleTrouble_44 (A4), Bud_44 (A11), Bugatti_46 (A3), Buggy_46 (A2), Bumblebee11_43 (A4), Burger_43 (A4), Burritobowl_42 (EB), Burton_44 (A1), Buttons_43 (A1), BuzzBuzz_46 (A3), Bxb1_41 (A1), Bxz2_44 (A3), C3_43 (A2), CRB1_46 (A2), CactusRose_42 (A1), Caelakin_45 (A4), CallinAllBarbz_41 (FP), Camperdownii_43 (A4), Candra_45 (A6), Cappuccino_40 (AZ5), Caraxes_45 (A2), Carlyle_44 (A1), Cashington_40 (EB), Cassia_40 (AZ1), Catalina_46 (A9), Caviar_44 (A3), Celaena_40 (EB), Cen1621_44 (EH), Centaur_45 (A2), CentreCat_45 (A4),

Cerulean_46 (A4), Chadwick_40 (A5), ChampagnePapi_47 (A4), Chanagan_42 (A1), Changeling_45 (A2), Chaph_45 (A4), Chargerpower_44 (A), Charm_42 (A9), Chartreuse_45 (A6), Che12_47 (A2), ChiliPepper_40 (EB), ChipMunk_47 (A2), Chiqui_43 (A3), Chupacabra_43 (A10), Ciao_45 (A1), Cici_44 (A4), Cindaradix_42 (A4), Cintron_44 (A4), Citius_45 (A4), Clarenza_44 (A4), Clayda5_41 (EB), CliffHanger_46 (EB), CloudWang3_45 (A6), Cocoaberry_45 (A4), Colbster_48 (A3), Colin_46 (A2), Commander_45 (A4), Community_43 (AZ1), ConceptII_46 (A1), Connomayer_45 (A4), Conquerage_45 (A9), Conspiracy_38 (A5), Coog_38 (A5), Cookiedough_45 (A6), Corvo_45 (A1), CosmicSans_36 (CA), Crewmate_46 (AZ1), Crispicious1_43 (A1), CroZenni_42 (EB), Crucio_44 (A2), Cuco_38 (A5), Cueyllyss_46 (A1), Cullens_48 (A3), Cyan_41 (AZ1), D29_44 (A2), D32_47 (A2), DBQu4n_47 (A2), DD5_44 (A1), DaHudson_48 (A3), DaVinci_45 (A6), Daishi_47 (A3), Dalmatian_45 (A2), Danforth_42 (A8), Darrell_46 (A9), DarthPhader_42 (A12), Datway_44 (A4), Deano_44 (A4), DekHockey33_47 (A15), Deloris_43 (A2), Dexes_45 (A1), Dhanush_45 (A4), DickRichards_41 (EB), Didgeridoo_45 (EB), Dieselweasel_49 (A3), Dignity_46 (A2), Dinger_36 (CA), DirtyBubble_42 (EB), DirtyDunning_44 (A4), Discoknowium_37 (A5), Dismas_40 (EB), Dixon_43 (A8), Donkey_41 (AZ5), DontArgue_43 (A10), Doobus_41 (EB), Doom_45 (A1), Dorothea_45 (A6), DrFeelGood_43 (A1), DrManhattan_40 (AZ1), DrSierra_39 (AZ1), Drake55_46 (A2), Drake94_42 (A10), DreamCatcher_47 (A1), DreamTeam1_42 (A9), Dreamboat_46 (A1), DroogsArmy_41 (A7), DropBear_45 (A3), Druantia_45 (A4), Dublin_37 (A5), Dubu_35 (BJ), DudeLittle_43 (A2), Dulcie_45 (A1), Duplo_47 (A2), Dussy_46 (A1), DustyMartin_48 (A10), Dynamix_45 (A1), EagleEye_46 (A16), Eagle_45 (A4), Eaglepride_45 (A10), Eapen_45 (A4), Ebony_45 (A11), Echild_44 (A2), Eden_40 (EB), Edison31_43 (A10), EdogawaKiddo_43 (A9), Edtherson_45 (A1), Eidsmoe_45 (A9), Elephantoon_44 (A9), Elezi_39 (AZ1), Elva_44 (EB), Emotion_46 (AZ4), EmyBug_44 (A9), EpicPhail_49 (A3), Epsocamisio_46 (A15), Equemioh13_45 (A2), Eraser_39 (AZ1), EricB_45 (A6), Erik_36 (CA), Eris_44 (A4), Eros_45 (A4), Espica_36 (CA), Espresso_44 (A1), Et2Brutus_44 (A11), Eula_43 (EB), Euphoria_43 (A1), Euratis_35 (BB1), Eurydice_46 (A4), EvilGenius_47 (A2), Exile_36 (AZ), Expelliarmus_42 (A8), ExplosioNervosa_45 (A9), Eyeball_46 (A1), Fajezeel_47 (A1), Fameo_44 (A2), Farber_48 (A3), Fascinus_41 (A1), Fayely_45 (A9), Fenn_46 (A1), Fernando_48 (A3), Fibonacci_44 (A11), Finalfrontier_43 (EB), FiringLine_44 (A2), First_0044 (A2), FlameThrower_40 (EB), Flare16_44 (A2), Flaverint_45 (A11), Florean_45 (A4), Flux_45 (A4), FlyCatcher_47 (A7), ForGetIt_38 (A5), Forsytheast_44 (A1), Francis47_44 (A1), Franklin22_41 (EB), Fred313_45 (A3), FrogHopper_43 (A1), Funston_44 (A4), Fushigi_43 (A1), Gack_40 (EB), Gadost_45 (A4), GageAP_45 (A1), Gail_49 (A14), Gambol_41 (AZ5), Gandalf20_46 (A1), Garak_47 (A6), GaugeLDP_43 (A2), Gemma_47 (A3), George_38 (A5), Georgie2_45 (A2), Ghoulboy_40 (A5), Gilberta_45 (A11), GingkoMaracino_48 (A3), Giroux_46 (A3), Gladiator_45 (A6), Gollum_36 (CA), Gompeii16_44 (A1), Goose_44 (A10), Graduation_48 (A1), GrecoEtereo_45 (A1), GreedyLawyer_45 (A6), Greg_47 (A1), Grif_48 (A3), Groundhog_41 (A8), Groupthink_49 (A3), Grub_48 (A3), Grum1_48 (A3), Gruunaga_45 (A6), GtownJaz_48 (A3), Gwendoluna_47 (A1), Gyzlar_41 (A1), HINdeR_41 (A7), Halsey_49 (AZ5), HamSlice_44 (A4), Hami1_39 (A1), Hammer_47 (A6), HanShotFirst_43 (A1), Hanray_43 (A9), Happiness_44 (A4), Harlequin_36 (CA), HarryHoudini_45 (A2), HarryOW_43 (A1), HashRod_49 (A3), HaveUMetTed_49 (A3), Heathen_45 (A3), Heather_37 (BB2), Heffalump_43 (A2), HelDan_45 (A3), Heliosoles_47 (A3), Helmet_47 (A6), Herbertwm_42 (A2), Hercules11_48 (A3), Hermia_46 (A1), HermioneGrange_44 (A1), Hexamo_45 (A6), Hiro_36 (CA), Horex_44 (A9), Holli_44 (A4), Homines_37 (A1), Hookmount_44 (A3), Hoot_45 (A6), Hope4ever_46 (A1), HortumSL17_45 (A9), Houdini22_45 (A4), HuhtaEnerson15_39 (A5), Hutc2_44 (A11), ICleared_45 (A4), ILeeKay_49 (A1), Ibantik_18 (singleton),

Icarian_45 (EB), Iceman_45 (A4), Ichabod_46 (A1), Idleandcovert_46 (A3), IgnatiusPatJac_44 (A1), Indra_48 (A6), IndyLu_42 (EB), Insomnia_45 (A11), Inyanga_42 (A1), Iracema64_46 (A4), IronMan_44 (A2), Isca_44 (A3), Isiphiwo_43 (A6), Iter_41 (AZ1), IttyBittyPiggy_40 (AZ1), Iwokeuplikedis_47 (A2), JC27_45 (A1), JF2_45 (A3), JF4_45 (A3), JHC117_48 (A3), JSwag_46 (A15), Jaan_45 (A2), Jabiru_39 (A5), Jabith_45 (A11), JackSparrow_46 (A1), Janeemi_43 (AZ1), JasmineDragon_45 (AZ4), Jasper_46 (A1), Jaykayelowell_43 (A4), Jeeves_50 (A14), JenCasNa_49 (A3), JeppNRM_49 (A3), Jerm2_45 (A1), Jerm_46 (A2), Jester_36 (CA), JetBlade_45 (A4), JewelBug_47 (A6), Jiawan_43 (A9), Jobu08_47 (A3), Joemato_41 (AZ1), JohnDoe_41 (AZ1), Johnathan_41 (EB), JoongJeon_44 (A4), Jordennis_45 (A6), Jorgensen_45 (A1), Joselito_45 (A11), JoshKayV_46 (A2), Journey13_40 (A2), Jovita_43 (EB), Jovo_38 (A5), Jstan_41 (AZ1), JuliaChild_45 (A1), KADY_48 (A3), KBG_46 (A1), KFPoly_44 (A4), KSSJEB_43 (A1), Kachowdy_45 (A3), Kalb97_49 (A3), Kalimba_40 (AZ5), Kalnok_49 (A3), Kalpine_44 (A2), Kamy_45 (A4), Kanely_45 (A1), Katalie136_44 (A4), Kate33_42 (EB), KatherineG_48 (A15), Katzastrophic_41 (EB), Kaylissa_42 (AZ1), Kazan_46 (A6), KeAlii_40 (AZ1), Kenmech_48 (A1), Kenzers_43 (EB), Kerberos_47 (A2), Kieran_40 (EB), Killigrew_44 (A1), Kimona_43 (A19), KingCyrus_47 (A2), Kingmustik0402_45 (A4), Kinmap_43 (A21), Kipper29_45 (A6), KittenMittens_41 (A10), Koko_47 (A6), Koreni_44 (A4), Kratak_45 (A4), Kremtemulon_45 (A4), Krishelle_36 (CA), Kristoff_44 (A10), Kugel_46 (A1), KyMonks1A_47 (A1), Kyee_45 (A4), Kykar_45 (A1), LBerry_49 (A3), LHTSCC_47 (A4), LadyBird_47 (A2), Lahqtemish_42 (EB), Lambert1_44 (A3), Lamina13_45 (A1), Landor_44 (A2), LappelDuVide_45 (A4), Larenn_44 (A2), LarryKay_48 (A3), LastResort_46 (A15), Lego_41 (AZ1), Lemur_45 (A4), LeoAvram_45 (A4), Leogania_44 (A2), Lesedi_42 (A1), Lev2_38 (A5), Leviathan_46 (A2), Licorice_48 (A1), LilBib_45 (A1), LiITurb_45 (A2), Lilbooboo_34 (BB1), Lilbunny_44 (A6), Lilith_49 (A3), Lilleskat_43 (A9), Lillie_36 (CA), LimaBean_42 (EB), LittleB_45 (A4), LittleCherry_39 (A5), LittleGuy_45 (A4), Lizalica_39 (AZ1), LochMonster_46 (A4), Lockley_44 (A1), Lokk_45 (A2), London_39 (AZ1), LoneWolf_45 (A9), Looper_47 (A15), Lopton_45 (A1), Lorenzo_45 (A4), Loser_46 (A2), Louie6_47 (A3), Luchador_50 (A14), Lucivia_45 (A11), Lucyedi_45 (A16), LugYA_51 (A3), Lunsford_46 (A4), Lynlen_43 (EB), MA5_45 (A3), MK4_45 (A3), MPlant7149_43 (A1), MaCh_45 (A11), MaGuCo_40 (AZ2), Mabel_45 (A11), MadMarie_48 (A3), Magnar_44 (A1), Magnito_42 (A1), Mainiac_48 (A3), Makemake_44 (A1), Malec_45 (A2), Malinsilva_50 (A3), Maminaiina_44 (A9), Manatee_45 (A1), Manu_48 (A3), MarQuardt_48 (A3), Marcell_43 (A1), Marchesa_45 (A3), Marchy_39 (A1), Marge_45 (A1), Margo_44 (A3), Marie_48 (A3), Marius_49 (A3), Maroc7_43 (A1), Marsha_45 (A1), MaryBeth_45 (A1), MarysWell_37 (A5), Maureen_42 (AZ2), Maverick_45 (A4), Maxo_46 (A4), Mazhar510_45 (A4), McFly_45 (A6), McGuire_45 (A1), Medusa_45 (A4), MeeZee_45 (A4), Melvin_47 (A4), MetalQZJ_44 (A1), Methuselah_45 (A3), Micasa_40 (A5), Michley_44 (A1), Microwolf_48 (A3), MiculUcigas_44 (A2), Midas2_38 (A5), Miko_43 (A2), Milcery_39 (A5), Millski_44 (A4), MinecraftSteve_48 (A15), MiniMommy_47 (AZ4), Miramae_44 (A4), Misomonster_49 (A3), MissSwiss_41 (AZ1), MissWhite_43 (A2), Mkhusele_44 (A1), Molly_45 (A1), Monet_48 (A1), MoneyMay_48 (A3), Moose_44 (A1), Morpher26_44 (A4), Morrow_46 (A4), Moss_45 (AZ5), MrGordo_44 (A1), Mryolo_42 (A1), MuchMore_51 (A3), Mudpuppy_38 (AZ1), Mulciber_44 (A11), Mule_42 (A1), Munch_45 (A11), Mundrea_44 (A4), Museum_45 (A1), MyraDee_40 (A18), Mysterium_39 (AZ5), Myxus_45 (A9), NEHalo_43 (A1), NaSiaTalie_44 (A2), Naiad_36 (CA), Naira_46 (A1), Naji_47 (A2), Nancinator_36 (CA), Natosaleda_36 (CA), NearlyHeadless_43 (A8), Nebs_46 (A4), Nebulosus_46 (A15), Nedarya_43 (A15), Neeharika16_45 (A6), Nemo27_45 (A4), Nerujay_46 (A1), Nesbitt_42 (BL), Newrala_45 (A6), Nhonho_45 (A1), Nicky22_43 (EB), NicoleTera_45 (A2), Niobe_39

(AZ1), Nitro_40 (AZ1), Niza_47 (A1), Noella_44 (A3), Noelle_45 (A4), Norbert_43 (A3), NorthStar_44 (A4), Norz_45 (A1), NotAPhaseMom_45 (A4), NothingSpecial_43 (A2), Nyxis_45 (A4), OKCentral2016_43 (A10), OKaNui_45 (A4), Obama12_46 (A4), ObiToo_46 (AZ1), Odin_44 (A2), Ohfah_46 (A4), Ohno789_45 (A1), OlanP_47 (A3), Ollie_48 (A3), Onglai_43 (A9), Oofda_48 (A15), Oogway_42 (A1), Orange_44 (A11), P28Green_49 (A3), PGHhamlin_50 (A3), PP_46 (A7), PSullivan_44 (A1), PacerPaul_45 (A1), PackMan_44 (A9), PainterBoy_45 (A16), Palestino_44 (A4), Panamaxus_42 (A3), Papez_47 (A1), Paphu_43 (A1), Paraselene_43 (A1), Pari_45 (A1), Parliament_44 (A1), Partridge_36 (CA), PascalRango_45 (A1), PattyP_45 (A1), Pawn_48 (A3), Payneful_44 (A1), PeaceMeal1_42 (A10), Peaches_45 (A4), Pelly_44 (A1), Pembroke_48 (A3), Penny1_49 (A3), Pepe_42 (A1), Perplexer_44 (A4), Perseus_45 (A1), PeterPeter_45 (A4), Petersenfast_43 (A11), Peterson_48 (A1), PetiteSangsue_44 (A4), Petp2012_45 (A1), Petruchio_45 (A1), PetterN_40 (A5), Ph8s_46 (A2), Phacado_45 (A4), Phaded_46 (A2), Phaeder_45 (A9), PhailMary_35 (CA), Phantastic_46 (A3), Pharaoh_39 (A12), Felipe_46 (A4), PherrisBueller_44 (A1), Phighter1804_45 (A4), Phillis_44 (A8), Phisb_43 (EB), PhishRPhriends_46 (A3), Phives_43 (AZ1), Phlei_33 (A13), Phlorence_37 (A5), Phoebe_49 (A3), Phonnegut_45 (A9), Phontbonne_45 (A4), Phoxy_48 (A3), Phrankenstein_36 (CA), Phranny_49 (A3), PhrostyMug_44 (A1), PickleBack_38 (A5), PinkPlastic_43 (A1), Pinto_45 (A1), Pioneer_45 (A9), Pipcraft_43 (A4), Pippin_47 (A1), Piro94_44 (A2), Pistachio_47 (A3), Pita2_47 (A1), Pixelle_41 (AZ1), Pmask_45 (A6), Pocahontas_44 (A3), Polymorphads_46 (A4), Pomar16_47 (A2), Ponzi_15 (singleton), Poompha_43 (A10), Popcicle_44 (A3), PotatoSplit_50 (A3), Power_43 (A2), Powerpuff_43 (AZ1), Priamo_47 (A6), Priya_45 (A9), ProMouse_45 (A1), Pukovnik_43 (A2), Pumbaa_45 (A4), Pumpkins_40 (AZ1), Puppy_47 (A3), PurpleHaze_48 (A3), QMacho_45 (EB), QTRLifeCrisis_45 (A1), Qobbit_45 (A9), QueenB2_44 (A2), QueenBeesly_44 (A2), QuinnKiro_43 (A3), RER2_29 (CA), RGL3_31 (CA), Rachaly_45 (A2), Rahalelujah_44 (A9), Rajelicia_46 (A1), Rasputin_36 (CA), ReMo_46 (A15), Reba_48 (A3), Rebeuca_44 (A10), RedRock_46 (A2), Reedo_40 (AZ1), Refuge_44 (A12), Relief_44 (A4), RemusLoopin_36 (BB2), Remus_47 (A15), ResDef_44 (A3), Retro23_45 (A2), RexFury_36 (CA), Rhodalysa_36 (CA), RhynO_45 (A10), Rhynn_44 (A1), RidgeCB_44 (A1), Rifter_47 (A6), Ringer_46 (A1), Roary_43 (A8), Rockstar_45 (A3), Rohr_45 (A1), Roksolana_46 (A6), Romney_45 (A4), Rona_40 (EB), Roosevelt_44 (A4), Rosa24_44 (A4), Rosalind_46 (A15), Rowa_41 (BL), Rowdy_48 (A10), Rubeus_45 (A1), Rufus_45 (A1), Ruin_45 (A4), Rummer_47 (A3), Ruotula_48 (A1), Rutherferd_47 (A1), RyeScarlet_46 (A9), STLscum_46 (A1), Sabertooth_45 (A4), Sabia_48 (A3), Sabinator_47 (A3), Sachima_42 (A9), Sagefire_48 (A1), Saintus_38 (A8), Salz_44 (A11), Samora_36 (BB1), Samy_65 (singleton), SanaSana_45 (EB), Sandaddy_44 (A1), SansAfet_43 (EB), Sanya_43 (A1), SarBear_42 (EB), SarFire_43 (A1), SaturnRing_46 (A3), Scamp_45 (A4), Scherzo_45 (A9), Scorpia_40 (A5), Scout_45 (A3), Scowl_45 (A1), Seabiscuit_46 (A1), Seanderson_47 (A1), Sebastisaurus_36 (BB2), SemperFi_45 (A2), Serenity_45 (A2), Severus_42 (A10), Shaka_45 (A4), ShakeltOph_47 (AZ4), Sham4_44 (A11), Shapes_48 (A10), Sharkboy_41 (EB), Shawty_33 (BB1), ShayRa_48 (A15), Shayna_42 (EB), SheaKeira_43 (A9), Sheen_44 (A7), SheldonCooper_47 (A4), ShortQueendom_39 (A1), Shuman_36 (CA), Shygu2_44 (A4), Sibs6_45 (A1), Simpson_43 (AZ1), SkiPole_47 (A1), Skipitt_44 (A4), Slagathor_47 (A1), Slay_43 (EB), Smairt_47 (A1), Smeadley_43 (A8), Smeagan_47 (A2), Smeagol_46 (A1), SmellyB_45 (A6), SnapTap_44 (A2), Snape_44 (A11), Snazzy_42 (A1), Sneak_40 (AZ3), Snickers_48 (A3), SoYo_48 (A3), SoilDragon_48 (A3), Solon_44 (A1), Soondubu_37 (AZ), Sooty_41 (AZ5), SororFago_48 (A14), Sorpresa_44 (A1), Soshari_50 (A3), Soups_47 (A15), Sparxx_46 (A4), SpecialK_46 (AZ5), Spike509_48 (A3), SpikeBT_45 (A1), Spino_44 (A4), Spouty_45 (A9), Squee_44 (A1), StCroix_36

(CA), Stagni_48 (A3), StarStuff_47 (A2), Stasia_44 (A4), Steamy_41 (A12), StepMih_48 (A3), StepHig9_43 (A8), StewieG_44 (A1), Stink_45 (A4), Stoor_43 (EB), Stromboli_43 (EB), StrongArm_44 (A1), Strosahl_47 (A15), Success_19 (singleton), Sue2_42 (AZ1), Sumter_42 (A1), Sunhee_47 (A14), SunnyD_45 (EB), Sunshine924_45 (A1), SuperAwesome_45 (A6), SuperCallie99_45 (A6), Superchunk_44 (A2), Swann_36 (CA), SweetiePie_44 (A2), Swervy_43 (EB), SwirlSquare_48 (A2), Swirley_41 (A5), SwissCheese_46 (A1), Switzer_45 (A1), Switzerland_47 (A15), Swole_45 (A1), SydNat_40 (A5), TG1_31 (BB1), TMaxx_43 (FR), TNguyen7_46 (A3), TWAMP_36 (CA), Takoda_36 (CA), Tallboi_40 (AZ1), Taquarus_45 (A4), Target_45 (A1), Tarynearal_37 (A5), Tasp14_46 (A1), Taurus_49 (A3), Tbone_40 (AZ1), Teagster_45 (EB), Teodoridan_43 (A1), Texage_43 (A3), TforTroy_42 (AZ1), Thanksgivukkah_44 (A4), Theia_36 (A5), TheloniousMonk_46 (A1), Thor_43 (A1), Tian_39 (AZ1), Tiffany_48 (A3), Tiger_37 (A5), Timothy_45 (A11), Timshel_43 (A7), TinaFeyge_45 (A4), TinyTimmy_45 (A11), Tinybot_44 (A4), TipsytheTRex_42 (A2), TiroTheta9_45 (A4), Todacoro_44 (A3), Tomathan_47 (A2), ToneTone_42 (A6), Topanga_42 (A10), Topgun_44 (A1), Toro_45 (A7), Tote_40 (A1), Traft412_45 (A1), Travvers_47 (A2), Treddle_46 (A1), Trike_42 (A10), Tripl3t_45 (A1), Trixie_44 (A2), Trouble_46 (A1), TroyPia_46 (A4), Tubs_45 (A9), Tuck_44 (AZ1), Tucker_46 (A6), TukTuk_43 (EB), Turab_38 (AZ1), Turbido_45 (A2), Turj99_42 (A1), Tutumahutu_42 (AZ1), Tweety19_41 (AZ3), Twister_42 (A10), TwoPeat_45 (A1), TygerBlood_45 (A4), U2_43 (A1), Ugenie5_42 (A9), UhSalsa_36 (CA), Ulysses_44 (A4), UnionJack_39 (A5), Updawg_45 (A2), VA6_43 (A2), VC3_48 (A2), VResidence_41 (AZ1), Vanisoa_44 (A9), Vash_34 (BB1), Veracruz_43 (A3), Violet_42 (A1), Vix_48 (A3), VohminGhazi_45 (A6), VroomVroom_45 (AZ4), Waits_47 (A15), WalterMcMickey_42 (A10), Wander_45 (A4), Warda_41 (AZ1), Watermelon_46 (A1), Watson_48 (A3), WeiHuaDA_48 (A2), Whabigail7_45 (A2), Wheeler_45 (A1), WideWale_45 (A2), Wiks_44 (A6), Wilbur_45 (A4), Wildwest_40 (AZ1), Wile_44 (A4), Wilkins_44 (A1), Wizard007_45 (A4), Wooldri_50 (A3), WunderPhul_45 (A6), Xena_43 (A4), XianYue_44 (A2), Yecy3_46 (A9), YesChef_41 (AZ1), YoSam321_45 (A4), Yogi_36 (CA), Yokurt_45 (A6), Yoncess_36 (CA), Zaka_45 (A6), Zeeculate_43 (A1), Zephyr_44 (A1), Zetzy_47 (A3), Zeuska_44 (A1), Zimmer_42 (A12), Zolita_39 (A5), Zulu_46 (A6), phiBT1_11 (BB1), phiSASD1_12 (BJ),

Start 230:

- Found in 1 of 1822 (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: Pine5_49 (singleton),

Start 231:

- Found in 281 of 1822 (15.4%) of genes in pham
- Manual Annotations of this start: 5 of 1647
- Called 1.8% of time when present
- Phage (with cluster) where this start called: AnClar_50 (DR), BiggityBass_49 (DR), LittleMunchkin_52 (DR), Sisko_49 (DR), Yago84_49 (DR),

Start 233:

- Found in 3 of 1822 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Coldpizza_51 (DR), TPA2_63 (singleton),

Start 234:

- Found in 9 of 1822 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Evaa_50 (DR),

Start 235:

- Found in 6 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 5 of 1647
- Called 83.3% of time when present
- Phage (with cluster) where this start called: A3Wally_117 (GD1), Big4_105 (GD2), Cece_99 (GD3), Pumpnickel_113 (GD4), Zooman_100 (GD2),

Start 236:

- Found in 16 of 1822 (0.9%) of genes in pham
- Manual Annotations of this start: 14 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnarQue_54 (DR), Axumite_51 (DR), BobRoss2024_51 (DR), CaiB_54 (DR), CharlottesWeb_50 (DR), CloverMinnie_53 (DR), Fresco_51 (DR), HarveySr_57 (B3), Ligma_51 (DR), MakoManhole_51 (DR), Mariokart_50 (DR), MossRose_53 (DR), NHagos_52 (DR), Shatter_51 (DR), Wooper_54 (DR), Yinz_58 (B3),

Start 238:

- Found in 49 of 1822 (2.7%) of genes in pham
- Manual Annotations of this start: 44 of 1647
- Called 95.9% of time when present
- Phage (with cluster) where this start called: Abinghost_58 (B3), Akoma_58 (B3), Athena_60 (B3), Audrey_58 (B3), Baloo_58 (B3), Ben11_58 (B3), Bernardo_59 (B3), Briakila_57 (B3), Casbah_58 (B3), ChaChing_58 (B3), Chandler_58 (B3), Compostia_58 (B3), Corofin_58 (B3), Daisy_57 (B3), Deenasa_58 (B3), Devonte_57 (B3), Gadget_59 (B3), Gervas_59 (B3), GlenHope_59 (B3), Halfpint_57 (B3), Heathcliff_58 (B3), Jackstina_54 (B3), Kamiyu_58 (B3), Kronus_58 (B3), LestyG_57 (B3), Marley1013_59 (B3), MmasiCarm_59 (B3), Mortcellus_58 (B3), Morty007_58 (B3), Neos5_58 (B3), Nozo_58 (B3), Obutu_59 (B3), OrangeOswald_58 (B3), Phaedrus_54 (B3), Phayeta_60 (B3), Philly_57 (B3), Phlyer_58 (B3), Pipefish_59 (B3), Quenya_42 (EB), RagingRooster_57 (B3), Rita1961_59 (B3), RomaT_58 (B3), SlippinJimmy_60 (B3), StAugustine_89 (singleton), SynergyX_58 (B3), Tydolla_56 (B3), Yahalom_57 (B3),

Start 239:

- Found in 3 of 1822 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA2_66 (DS), GodonK_188 (DK), Phendrix_176 (DK),

Start 240:

- Found in 2 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Sixama_172 (DS),

Start 242:

- Found in 16 of 1822 (0.9%) of genes in pham
- Manual Annotations of this start: 4 of 1647
- Called 31.2% of time when present
- Phage (with cluster) where this start called: BlueNGold_170 (DS), Boopy_173 (DS), Forza_174 (DS), Mareelih_171 (DS), SirJeffery_57 (B5),

Start 243:

- Found in 381 of 1822 (20.9%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Qyrzula_52 (B2), Sour_53 (DR),

Start 244:

- Found in 51 of 1822 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 2.0% of time when present
- Phage (with cluster) where this start called: PauloDiaboli_117 (GD1),

Start 245:

- Found in 6 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bloom_103 (FC), Mimi_105 (FC), Patbob_100 (FC), Phrampa_94 (FC), Racecar_100 (FC), Talia1610_99 (FC),

Start 246:

- Found in 3 of 1822 (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: SJReid_106 (FC),

Start 252:

- Found in 7 of 1822 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1647
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Alone3_143 (BS), BRock_133 (BS), GiJojo_132 (BS), LuckySocke_138 (BS),

Start 257:

- Found in 6 of 1822 (0.3%) of genes in pham
- Manual Annotations of this start: 6 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adat_36 (AV), Brad_36 (AV), Casserole_35 (AV), GurgleFerb_36 (AV), Jasmine_38 (AV), Nellie_36 (AV),

Start 265:

- Found in 1 of 1822 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Shocker_43 (singleton),

Start 268:

- Found in 18 of 1822 (1.0%) of genes in pham
- Manual Annotations of this start: 18 of 1647
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BouleyBill_36 (EA4), Bustleton_37 (EA4), Cheeto1_39 (EA9), ChickenKing_38 (EA9), GaeCeo_39 (EA9), Golden_37 (EA4), Guetzie_37 (EA4), HerculesXL_37 (EA11), Kauala_37 (EA4), Koji_37 (EA4), Lucky3_37 (EA4), Pherbot_37 (EA4), PrincePhergus_37 (EA4), Schimmels22_37 (EA11), Schubert_36 (EA8), Sinatra_37 (EA4), SirVictor_37 (EA4), Tinyman4_37 (EA11),

Start 269:

- Found in 8 of 1822 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 1647
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Casey_35 (EA3), Pajaza_35 (EA3), Pikmin_35 (EA3), WestPM_35 (EA11),

Start 270:

- Found in 163 of 1822 (8.9%) of genes in pham
- Manual Annotations of this start: 147 of 1647
- Called 93.9% of time when present
- Phage (with cluster) where this start called: Acosta_40 (EA1), Agente005_39 (EA1), Alakazam_38 (EA5), AlexAdler_39 (EA1), Alyxandracam_39 (EA1), Andromedas_38 (EA2), Antoinette_39 (EA1), AranulaLuti_38 (EA1), Asta_38 (EA1), Aubergine_38 (EA1), AxiPup_39 (EA1), Baines_38 (EA1), Balsa_38 (EA1), Bandik_39 (EA1), BeautPeep30_39 (EA1), Benjalauren_39 (EA1), BigRedClifford_39 (EA1), Blage_39 (EA1), BonesMcCoy_39 (EA1), Bonino_38 (EA1), Byron23_39 (EA1), Calix_38 (EA1), CaptainRex_37 (EA5), Carostasia_37 (EA10), Chepli_40 (EA6), ChikPic_38 (EA2), Christoph_38 (EA1), Clancy_38 (EA1), Clock_37 (EA5), ColaCorta_38 (EA2), Convict_39 (EA1), Dave_39 (EA1), Delphidian_39 (EA1), Den3_39 (EA1), Dothraki_39 (EA1), Duocatuli_38 (EA1), Eleri_38 (EA2), Endor_39 (EA1), Erla_38 (EA1), Espinosa_38 (EA1), Etna_38 (EA1), Etta_38 (EA1), FarmerDoug_38 (EA1), Figueroism_39 (EA1), Finny_38 (EA2), Fulton_37 (EA5), GardenB_38 (EA1), Gelo_38 (EA1), Gershwin_38 (EA1), Glamour_37 (EA2), Greenlvy_37 (EA5), Greys_39 (EA1), Gubbabump_38 (EA1), Hamlet_38 (EA1), HanSolo_38 (EA1), HankSprout_39 (EA1), Hasitha_37 (EA5), HungryHenry_38 (EA1), Ilzat_38 (EA1), Inventa_39 (EA1), Ixel_38 (EA11), Janus167_38 (EA1), JasonD_43 (EA1), JasperRussell_38 (EA1), Jemerald_40 (EA6), Jenos_42 (EA1), Jerbirus_39 (EA1), JeriBeth_39 (EA1), Juanyo_37 (EA10), Juicer_40 (EA6), Kale_38 (EA1), KannH_38 (EA1), KatChan_40 (EA6), KingJulien_38 (EA1), Klimt_38 (EA1), Knox_39 (EA1), Kurt1_39 (EA1), Leafus_38 (EA1), Librie_37 (EA5), LilTerminator_38 (EA5), Lovelyunicorn_39 (EA1), Ludgate_39 (EA1), Luna18_40 (EA6), MCubed_38 (EA2), MaeLinda_39 (EA1), ManRay_38 (EA1), Mandalorian_37 (EA10), Martin_40 (EA1), McGalleon_41 (EA1), Mercedes_34 (EA), MillyPhilly_39 (EA1), MonChoix_37 (EA1), Morrigan_40 (EA6), MrWorldwide_39 (EA1), Nagem_39 (EA1), Nattles_38 (EA1), Nebulous_37 (EA5), Neferthena_38 (EA5), NickSell_39 (EA1), Nucci_37 (EA10), Oats_38 (EA1), OldNelly_39 (EA1), Oxtober96_39 (EA1), Papafritta_38 (EA1), ParleG_39 (EA1), Peep_39 (EA1), Peppino_38 (EA1), Pherferi_39 (EA1), Phiderman_39 (EA1), Phireproof_39 (EA1), PhredFlintston_39 (EA1), Phriends_39 (EA1), Pocket_38 (EA1), PuppyEggo_39 (EA1), QuadZero_37 (EA5), Quartz_38 (EA10), Raccoon_38 (EA1), Rapheph_39 (EA1), Raptor_39 (EA1), Redfield_38 (EA1), Riyhil_39 (EA1), Robinson_39 (EA1), Rog141_38 (EA1), SJay_39 (EA1),

Sansa_37 (EA2), Saratos_38 (EA2), Schnapsidee_38 (EA1), Sedgewig_38 (EA1), Shamu_38 (EA2), Shee_39 (EA1), SoilGremlin_39 (EA1), Stanktossa_39 (EA1), StingRay_38 (EA1), StirfryIV_38 (EA1), Stormbreaker8_38 (EA1), Strathdee_39 (EA1), Superfresh_39 (EA1), Teagan_39 (EA1), TeddyBear_38 (EA1), Tenda_38 (EA1), Thompsone_39 (EA1), Thorongil_39 (EA1), TinSulphur_39 (EA1), Velene_39 (EA1), Vispistious_39 (EA1), WildNOut_39 (EA1), WilliamStrong_38 (EA6), Winzigespinne_38 (EA1), YuuY_37 (EA10), Zada_39 (EA1), Zayuliv_37 (EA5), Zenitsu_38 (EA2), Zepp_38 (EA5),

Start 276:

- Found in 150 of 1822 (8.2%) of genes in pham
- Manual Annotations of this start: 5 of 1647
- Called 4.0% of time when present
- Phage (with cluster) where this start called: BeeBee8_39 (EA1), Garey24_38 (EA1), Gargoyle_39 (EA1), Ioannes_39 (EA1), Renzie_39 (EA1), ShaiHulud_39 (EA1),

Start 280:

- Found in 57 of 1822 (3.1%) of genes in pham
- No Manual Annotations of this start.
- Called 3.5% of time when present
- Phage (with cluster) where this start called: Atuin_96 (FC), DunneganBoMo_92 (FC),

Summary by clusters:

There are 79 clusters represented in this pham: FP, GD1, singleton, GD3, GD4, DK, BL, FR, BS, GD2, BJ, FC, B12, B13, BR, B11, DR, DS, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, EA6, BB2, BB1, A, AB, EH, A21, CA, EA, CD, AQ, EA8, B10, GC, AV, EA1, EA3, EA2, EA5, EA4, EB, CT, A20, EA9, EA11, EA10, GG, B8, AZ, AZ5, B4, B5, B6, B7, B1, B2, B3, AZ1, AZ2, AZ3, AZ4, B9,

Info for manual annotations of cluster A:

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

Info for manual annotations of cluster A1:

- Start number 229 was manually annotated 208 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 229 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 229 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 229 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 229 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 229 was manually annotated 21 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 229 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 229 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 229 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 228 was manually annotated 4 times for cluster A2.
- Start number 229 was manually annotated 98 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 229 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 229 was manually annotated 112 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 229 was manually annotated 137 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 195 was manually annotated 2 times for cluster A5.
- Start number 229 was manually annotated 36 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 203 was manually annotated 1 time for cluster A6.
- Start number 229 was manually annotated 41 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 229 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 229 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 228 was manually annotated 2 times for cluster A9.
- Start number 229 was manually annotated 33 times for cluster A9.

Info for manual annotations of cluster AB:

- Start number 49 was manually annotated 1 time for cluster AB.
- Start number 55 was manually annotated 1 time for cluster AB.
- Start number 59 was manually annotated 1 time for cluster AB.
- Start number 70 was manually annotated 1 time for cluster AB.

Info for manual annotations of cluster AQ:

- Start number 218 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster AV:

- Start number 257 was manually annotated 6 times for cluster AV.

Info for manual annotations of cluster AZ:

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

Info for manual annotations of cluster AZ1:

- Start number 130 was manually annotated 1 time for cluster AZ1.
- Start number 162 was manually annotated 1 time for cluster AZ1.
- Start number 229 was manually annotated 42 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 139 was manually annotated 1 time for cluster AZ2.
- Start number 229 was manually annotated 2 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 229 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 229 was manually annotated 3 times for cluster AZ4.

Info for manual annotations of cluster B1:

- Start number 175 was manually annotated 1 time for cluster B1.
- Start number 197 was manually annotated 262 times for cluster B1.

Info for manual annotations of cluster B10:

- Start number 178 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 193 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 189 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 222 was manually annotated 2 times for cluster B13.

Info for manual annotations of cluster B2:

- Start number 189 was manually annotated 31 times for cluster B2.
- Start number 243 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 236 was manually annotated 2 times for cluster B3.
- Start number 238 was manually annotated 43 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 174 was manually annotated 2 times for cluster B4.
- Start number 175 was manually annotated 4 times for cluster B4.
- Start number 182 was manually annotated 1 time for cluster B4.
- Start number 189 was manually annotated 17 times for cluster B4.
- Start number 194 was manually annotated 1 time for cluster B4.

Info for manual annotations of cluster B5:

- Start number 189 was manually annotated 8 times for cluster B5.
- Start number 202 was manually annotated 1 time for cluster B5.

Info for manual annotations of cluster B6:

- Start number 193 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B7:

- Start number 200 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 225 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 197 was manually annotated 5 times for cluster B9.
- Start number 201 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster BB1:

- Start number 229 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 229 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BJ:

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

Info for manual annotations of cluster BL:

- Start number 229 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BR:

- Start number 12 was manually annotated 1 time for cluster BR.
- Start number 33 was manually annotated 1 time for cluster BR.

Info for manual annotations of cluster BS:

- Start number 252 was manually annotated 4 times for cluster BS.

Info for manual annotations of cluster CA:

- Start number 229 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster CD:

- Start number 4 was manually annotated 5 times for cluster CD.
- Start number 18 was manually annotated 1 time for cluster CD.
- Start number 162 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CT:

- Start number 32 was manually annotated 16 times for cluster CT.
- Start number 38 was manually annotated 1 time for cluster CT.
- Start number 39 was manually annotated 23 times for cluster CT.
- Start number 41 was manually annotated 13 times for cluster CT.

Info for manual annotations of cluster DK:

- Start number 239 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DR:

- Start number 231 was manually annotated 5 times for cluster DR.
- Start number 234 was manually annotated 1 time for cluster DR.
- Start number 236 was manually annotated 12 times for cluster DR.
- Start number 243 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DS:

- Start number 240 was manually annotated 1 time for cluster DS.
- Start number 242 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster EA:

- Start number 270 was manually annotated 1 time for cluster EA.

Info for manual annotations of cluster EA1:

- Start number 188 was manually annotated 1 time for cluster EA1.
- Start number 216 was manually annotated 3 times for cluster EA1.
- Start number 270 was manually annotated 109 times for cluster EA1.
- Start number 276 was manually annotated 5 times for cluster EA1.

Info for manual annotations of cluster EA10:

- Start number 270 was manually annotated 6 times for cluster EA10.

Info for manual annotations of cluster EA11:

- Start number 268 was manually annotated 3 times for cluster EA11.
- Start number 269 was manually annotated 1 time for cluster EA11.
- Start number 270 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA2:

- Start number 270 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA3:

- Start number 269 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA4:

- Start number 268 was manually annotated 11 times for cluster EA4.

Info for manual annotations of cluster EA5:

- Start number 270 was manually annotated 12 times for cluster EA5.

Info for manual annotations of cluster EA6:

- Start number 270 was manually annotated 7 times for cluster EA6.

Info for manual annotations of cluster EA8:

- Start number 268 was manually annotated 1 time for cluster EA8.

Info for manual annotations of cluster EA9:

- Start number 268 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster EB:

- Start number 226 was manually annotated 7 times for cluster EB.
- Start number 229 was manually annotated 53 times for cluster EB.
- Start number 238 was manually annotated 1 time for cluster EB.

Info for manual annotations of cluster EH:

- Start number 227 was manually annotated 8 times for cluster EH.
- Start number 228 was manually annotated 4 times for cluster EH.
- Start number 229 was manually annotated 1 time for cluster EH.

Info for manual annotations of cluster FC:

- Start number 245 was manually annotated 2 times for cluster FC.

Info for manual annotations of cluster FP:

- Start number 229 was manually annotated 2 times for cluster FP.

Info for manual annotations of cluster GC:

- Start number 188 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GD1:

- Start number 235 was manually annotated 1 time for cluster GD1.
- Start number 244 was manually annotated 1 time for cluster GD1.

Info for manual annotations of cluster GD2:

- Start number 235 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

- Start number 235 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

- Start number 235 was manually annotated 1 time for cluster GD4.

Info for manual annotations of cluster GG:

- Start number 21 was manually annotated 2 times for cluster GG.

Gene Information:

Gene: 20ES_45 Start: 31266, Stop: 29479, Start Num: 229

Candidate Starts for 20ES_45:

(50, 31683), (Start: 229 @31266 has 918 MA's), (341, 31062), (343, 31059), (347, 31053), (354, 31038), (365, 31023), (382, 30990), (383, 30987), (394, 30960), (402, 30933), (408, 30912), (418, 30882), (448, 30780), (500, 30687), (502, 30678), (516, 30639), (519, 30630), (528, 30615), (553, 30549), (588, 30468), (611, 30420), (614, 30414), (649, 30351), (678, 30276), (695, 30195), (718, 30111), (719, 30108), (735, 30042), (745, 30003), (758, 29982), (781, 29907), (788, 29889), (792, 29877), (802, 29844), (811, 29817), (828, 29781), (840, 29763), (853, 29727), (857, 29703), (877, 29646), (881, 29625), (898, 29568), (903, 29556), (909, 29547),

Gene: 39HC_051 Start: 52288, Stop: 50447, Start Num: 193

Candidate Starts for 39HC_051:

(81, 52552), (84, 52537), (Start: 193 @52288 has 2 MA's), (253, 52231), (260, 52216), (343, 52042), (371, 51991), (373, 51988), (382, 51967), (399, 51916), (401, 51910), (408, 51892), (422, 51850), (425, 51847), (434, 51817), (486, 51724), (499, 51688), (502, 51676), (548, 51562), (556, 51538), (557, 51535), (656, 51304), (677, 51235), (679, 51217), (684, 51199), (696, 51142), (727, 51034), (729, 51028), (732, 51019), (747, 50956), (765, 50920), (766, 50917), (771, 50902), (796, 50824), (800, 50812), (806, 50791), (807, 50785), (822, 50752), (840, 50722), (849, 50707), (853, 50686), (857, 50662), (864, 50638), (879, 50599), (880, 50587), (881, 50584), (882, 50581), (884, 50569),

(892, 50545), (922, 50473),

Gene: 40AC_46 Start: 33055, Stop: 30977, Start Num: 87

Candidate Starts for 40AC_46:

(87, 33055), (122, 32941), (Start: 229 @32764 has 918 MA's), (341, 32560), (347, 32551), (365, 32521), (382, 32488), (383, 32485), (394, 32458), (402, 32431), (448, 32278), (500, 32185), (502, 32176), (519, 32128), (528, 32113), (553, 32047), (611, 31918), (614, 31912), (650, 31846), (695, 31693), (707, 31642), (719, 31606), (723, 31597), (735, 31540), (745, 31501), (758, 31480), (765, 31459), (802, 31342), (854, 31222), (877, 31144), (881, 31123), (898, 31066), (903, 31054), (909, 31045),

Gene: 40BC_051 Start: 52288, Stop: 50447, Start Num: 193

Candidate Starts for 40BC_051:

(81, 52552), (84, 52537), (Start: 193 @52288 has 2 MA's), (253, 52231), (260, 52216), (343, 52042), (371, 51991), (373, 51988), (382, 51967), (399, 51916), (401, 51910), (408, 51892), (422, 51850), (425, 51847), (434, 51817), (486, 51724), (499, 51688), (502, 51676), (548, 51562), (556, 51538), (557, 51535), (656, 51304), (677, 51235), (679, 51217), (684, 51199), (696, 51142), (727, 51034), (729, 51028), (732, 51019), (747, 50956), (765, 50920), (766, 50917), (771, 50902), (796, 50824), (800, 50812), (806, 50791), (807, 50785), (822, 50752), (840, 50722), (849, 50707), (853, 50686), (857, 50662), (864, 50638), (879, 50599), (880, 50587), (881, 50584), (882, 50581), (884, 50569), (892, 50545), (922, 50473),

Gene: 8UZL_44 Start: 34273, Stop: 31928, Start Num: 59

Candidate Starts for 8UZL_44:

(Start: 38 @34339 has 1 MA's), (44, 34330), (Start: 55 @34285 has 1 MA's), (Start: 59 @34273 has 1 MA's), (Start: 70 @34234 has 1 MA's), (87, 34177), (121, 34075), (136, 34045), (156, 34015), (264, 33847), (333, 33727), (384, 33625), (412, 33544), (432, 33484), (455, 33418), (489, 33286), (501, 33238), (544, 33166), (547, 33157), (565, 33145), (612, 33076), (688, 32863), (699, 32809), (721, 32728), (728, 32695), (744, 32629), (746, 32623), (748, 32617), (750, 32611), (757, 32587), (766, 32554), (771, 32539), (773, 32530), (820, 32371), (826, 32359), (887, 32131), (896, 32104), (920, 32035),

Gene: A3Wally_117 Start: 81842, Stop: 79962, Start Num: 235

Candidate Starts for A3Wally_117:

(184, 81905), (Start: 226 @81851 has 7 MA's), (Start: 235 @81842 has 5 MA's), (Start: 244 @81830 has 1 MA's), (330, 81632), (343, 81605), (368, 81566), (396, 81503), (403, 81485), (412, 81458), (415, 81452), (451, 81344), (502, 81266), (509, 81245), (520, 81212), (532, 81182), (543, 81155), (567, 81095), (617, 80990), (635, 80957), (668, 80888), (671, 80879), (695, 80768), (725, 80654), (742, 80570), (747, 80555), (777, 80444), (779, 80438), (783, 80426), (789, 80411), (829, 80300), (857, 80210), (870, 80171), (875, 80159), (881, 80132), (898, 80075), (911, 80051),

Gene: A6_41 Start: 33551, Stop: 31725, Start Num: 229

Candidate Starts for A6_41:

(Start: 229 @33551 has 918 MA's), (347, 33338), (354, 33323), (382, 33275), (394, 33245), (400, 33224), (402, 33218), (404, 33209), (429, 33125), (432, 33116), (440, 33092), (448, 33065), (500, 32972), (504, 32957), (511, 32936), (516, 32924), (539, 32873), (540, 32870), (560, 32816), (566, 32804), (580, 32774), (592, 32744), (614, 32699), (635, 32660), (695, 32480), (705, 32432), (719, 32393), (735, 32327), (745, 32288), (758, 32267), (765, 32246), (771, 32228), (792, 32162), (853, 32012), (854, 32009), (861, 31973), (870, 31949), (874, 31940), (878, 31928), (898, 31853), (909, 31832),

Gene: ABU_61 Start: 54532, Stop: 52673, Start Num: 197

Candidate Starts for ABU_61:

(Start: 175 @54556 has 5 MA's), (Start: 197 @54532 has 267 MA's), (Start: 231 @54508 has 5 MA's), (Start: 243 @54502 has 2 MA's), (260, 54460), (267, 54439), (316, 54325), (319, 54319), (337, 54289), (371, 54229), (381, 54208), (399, 54154), (403, 54142), (409, 54124), (413, 54112), (445, 54007), (486, 53950), (499, 53914), (502, 53902), (512, 53875), (524, 53848), (531, 53830), (539, 53812), (553, 53773), (556, 53764), (557, 53761), (664, 53503), (690, 53401), (696, 53368), (702, 53347), (729, 53254), (732, 53245), (747, 53182), (765, 53146), (766, 53143), (771, 53128), (796, 53050), (800, 53038), (806, 53017), (822, 52978), (857, 52888), (862, 52870), (864, 52864), (870, 52849), (879, 52825), (881, 52810), (882, 52807), (884, 52795), (892, 52771), (911, 52723), (922, 52699),

Gene: ACFishhook_47 Start: 31825, Stop: 30011, Start Num: 229

Candidate Starts for ACFishhook_47:

(Start: 229 @31825 has 918 MA's), (255, 31786), (261, 31774), (341, 31621), (349, 31606), (382, 31549), (402, 31492), (404, 31483), (418, 31441), (432, 31390), (448, 31339), (500, 31246), (516, 31198), (528, 31174), (543, 31135), (553, 31108), (566, 31078), (607, 30985), (614, 30973), (639, 30925), (649, 30910), (695, 30754), (707, 30703), (718, 30670), (719, 30667), (735, 30601), (745, 30562), (766, 30490), (777, 30451), (786, 30427), (792, 30409), (802, 30376), (840, 30295), (857, 30235), (862, 30217), (881, 30157), (883, 30148), (898, 30100), (903, 30088), (909, 30079),

Gene: AEgle_37 Start: 28789, Stop: 30654, Start Num: 229

Candidate Starts for AEgle_37:

(Start: 229 @28789 has 918 MA's), (260, 28837), (341, 28993), (400, 29107), (421, 29176), (501, 29383), (504, 29392), (540, 29482), (543, 29491), (548, 29506), (553, 29518), (567, 29551), (611, 29644), (640, 29701), (669, 29782), (695, 29902), (704, 29932), (719, 29989), (733, 30046), (735, 30055), (764, 30148), (786, 30220), (789, 30229), (825, 30328), (853, 30391), (891, 30526), (898, 30550), (902, 30559), (936, 30637),

Gene: AFIS_43 Start: 34331, Stop: 32502, Start Num: 229

Candidate Starts for AFIS_43:

(Start: 229 @34331 has 918 MA's), (347, 34118), (382, 34055), (394, 34025), (400, 34004), (402, 33998), (404, 33989), (440, 33872), (448, 33845), (500, 33752), (504, 33737), (516, 33704), (539, 33653), (540, 33650), (560, 33596), (566, 33584), (580, 33554), (592, 33524), (614, 33479), (635, 33440), (695, 33260), (705, 33212), (723, 33164), (732, 33125), (735, 33107), (745, 33068), (758, 33047), (765, 33026), (770, 33011), (808, 32888), (823, 32855), (875, 32717), (880, 32693), (895, 32645), (898, 32633), (909, 32612), (912, 32606), (928, 32558), (935, 32543),

Gene: AGrandiflora_42 Start: 30069, Stop: 31934, Start Num: 229

Candidate Starts for AGrandiflora_42:

(Start: 229 @30069 has 918 MA's), (260, 30117), (311, 30207), (313, 30213), (394, 30366), (421, 30456), (501, 30663), (504, 30672), (540, 30762), (543, 30771), (548, 30786), (567, 30831), (588, 30876), (611, 30924), (640, 30981), (669, 31062), (689, 31149), (695, 31182), (704, 31212), (719, 31269), (735, 31335), (741, 31359), (764, 31428), (786, 31500), (789, 31509), (825, 31608), (853, 31671), (857, 31695), (891, 31806), (898, 31830), (902, 31839),

Gene: AN3_45 Start: 31646, Stop: 29859, Start Num: 229

Candidate Starts for AN3_45:

(Start: 229 @31646 has 918 MA's), (341, 31442), (343, 31439), (347, 31433), (354, 31418), (365, 31403), (382, 31370), (383, 31367), (394, 31340), (402, 31313), (408, 31292), (418, 31262), (448, 31160), (500, 31067), (502, 31058), (516, 31019), (519, 31010), (528, 30995), (553, 30929), (588, 30848), (611, 30800), (614, 30794), (678, 30656), (695, 30575), (707, 30524), (718, 30491), (719, 30488), (735, 30422), (745, 30383), (758, 30362), (781, 30287), (788, 30269), (802, 30224), (811, 30197), (828, 30161), (840, 30143), (853, 30107), (857, 30083), (877, 30026), (898, 29948), (903, 29936), (909, 29927),

Gene: AN9_48 Start: 31569, Stop: 29770, Start Num: 229

Candidate Starts for AN9_48:

(Start: 229 @31569 has 918 MA's), (341, 31365), (382, 31290), (383, 31287), (394, 31260), (398, 31245), (402, 31233), (418, 31182), (448, 31080), (500, 30987), (502, 30978), (516, 30939), (519, 30930), (553, 30849), (567, 30816), (580, 30789), (635, 30675), (649, 30651), (695, 30486), (705, 30438), (719, 30399), (728, 30363), (735, 30333), (745, 30294), (758, 30273), (792, 30168), (802, 30135), (828, 30072), (853, 30018), (857, 29994), (898, 29859), (903, 29847), (909, 29838),

Gene: ANI8_48 Start: 31569, Stop: 29770, Start Num: 229

Candidate Starts for ANI8_48:

(Start: 229 @31569 has 918 MA's), (341, 31365), (382, 31290), (383, 31287), (394, 31260), (398, 31245), (402, 31233), (418, 31182), (448, 31080), (500, 30987), (502, 30978), (516, 30939), (519, 30930), (553, 30849), (567, 30816), (580, 30789), (635, 30675), (649, 30651), (695, 30486), (705, 30438), (719, 30399), (728, 30363), (735, 30333), (745, 30294), (758, 30273), (792, 30168), (802, 30135), (828, 30072), (853, 30018), (857, 29994), (898, 29859), (903, 29847), (909, 29838),

Gene: AbbeyMikolon_44 Start: 30256, Stop: 32121, Start Num: 229

Candidate Starts for AbbeyMikolon_44:

(Start: 229 @30256 has 918 MA's), (260, 30304), (266, 30325), (313, 30400), (368, 30502), (393, 30559), (394, 30562), (395, 30565), (415, 30628), (418, 30640), (511, 30868), (519, 30889), (528, 30910), (543, 30949), (548, 30964), (549, 30967), (550, 30970), (570, 31015), (581, 31036), (588, 31054), (592, 31063), (611, 31102), (624, 31132), (627, 31144), (651, 31207), (683, 31324), (695, 31384), (705, 31432), (719, 31471), (726, 31501), (735, 31537), (750, 31591), (766, 31639), (786, 31702), (821, 31801), (825, 31810), (851, 31861), (864, 31921), (871, 31939), (891, 32008), (898, 32032), (912, 32059),

Gene: AbbyPaige_46 Start: 31676, Stop: 29889, Start Num: 229

Candidate Starts for AbbyPaige_46:

(154, 31763), (Start: 229 @31676 has 918 MA's), (343, 31469), (347, 31463), (354, 31448), (365, 31433), (383, 31397), (394, 31370), (402, 31343), (408, 31322), (448, 31190), (500, 31097), (516, 31049), (519, 31040), (528, 31025), (553, 30959), (588, 30878), (611, 30830), (614, 30824), (649, 30761), (695, 30605), (707, 30554), (718, 30521), (719, 30518), (735, 30452), (745, 30413), (758, 30392), (781, 30317), (786, 30305), (802, 30254), (828, 30191), (840, 30173), (853, 30137), (857, 30113), (881, 30035), (898, 29978), (903, 29966), (909, 29957),

Gene: AbbysRanger_44 Start: 31536, Stop: 29707, Start Num: 229

Candidate Starts for AbbysRanger_44:

(Start: 229 @31536 has 918 MA's), (261, 31485), (273, 31455), (365, 31293), (376, 31275), (382, 31260), (402, 31203), (404, 31194), (441, 31074), (448, 31050), (483, 31008), (500, 30957), (517, 30909), (528, 30888), (543, 30849), (560, 30804), (564, 30798), (598, 30717), (611, 30696), (635, 30651), (692, 30486), (695, 30465), (735, 30312), (745, 30273), (766, 30201), (771, 30186), (777, 30162), (783, 30144), (786, 30138), (788, 30132), (857, 29931), (898, 29796), (903, 29784), (909, 29775),

Gene: Abbysshoes_47 Start: 34766, Stop: 32937, Start Num: 229

Candidate Starts for Abbysshoes_47:

(Start: 229 @34766 has 918 MA's), (347, 34553), (354, 34538), (382, 34490), (394, 34460), (400, 34439), (402, 34433), (404, 34424), (440, 34307), (448, 34280), (500, 34187), (504, 34172), (539, 34088), (540, 34085), (566, 34019), (580, 33989), (592, 33959), (614, 33914), (635, 33875), (695, 33695), (705, 33647), (723, 33599), (732, 33560), (735, 33542), (745, 33503), (758, 33482), (765, 33461), (770, 33446), (808, 33323), (875, 33152), (880, 33128), (895, 33080), (898, 33068), (909, 33047), (912, 33041), (928, 32993), (935, 32978),

Gene: Abdiel_45 Start: 31571, Stop: 29745, Start Num: 229

Candidate Starts for Abdiel_45:

(Start: 229 @31571 has 918 MA's), (250, 31550), (261, 31520), (273, 31490), (365, 31328), (376, 31310), (402, 31238), (404, 31229), (441, 31109), (448, 31085), (500, 30992), (517, 30944), (528, 30923), (543, 30884), (598, 30752), (611, 30731), (635, 30686), (640, 30674), (692, 30521), (695, 30500), (728, 30377), (735, 30347), (745, 30308), (765, 30242), (766, 30239), (771, 30224), (777, 30200), (786, 30176), (857, 29969), (898, 29834), (903, 29822), (909, 29813),

Gene: Abigail_42 Start: 29285, Stop: 31159, Start Num: 229

Candidate Starts for Abigail_42:

(Start: 226 @29282 has 7 MA's), (Start: 229 @29285 has 918 MA's), (266, 29354), (280, 29375), (404, 29621), (418, 29663), (543, 29957), (648, 30191), (683, 30314), (695, 30374), (698, 30380), (707, 30425), (714, 30440), (716, 30455), (726, 30491), (735, 30527), (764, 30620), (793, 30713), (821, 30791), (853, 30863), (854, 30866), (861, 30902), (877, 30944), (880, 30962), (891, 30998), (898, 31022), (909, 31043),

Gene: Abinghost_58 Start: 53637, Stop: 51820, Start Num: 238

Candidate Starts for Abinghost_58:

(124, 53820), (Start: 238 @53637 has 44 MA's), (253, 53607), (347, 53427), (408, 53274), (412, 53262), (422, 53232), (426, 53226), (445, 53163), (447, 53157), (486, 53106), (499, 53070), (516, 53022), (557, 52917), (596, 52821), (627, 52770), (676, 52626), (684, 52587), (691, 52557), (696, 52530), (700, 52518), (727, 52422), (729, 52416), (732, 52407), (734, 52395), (759, 52323), (765, 52293), (771, 52275), (773, 52266), (796, 52197), (800, 52185), (806, 52164), (840, 52095), (849, 52080), (854, 52056), (857, 52035), (862, 52017), (864, 52011), (877, 51978), (879, 51972), (882, 51954), (884, 51942), (888, 51930), (892, 51918), (908, 51876), (922, 51846),

Gene: Abrogate_440 Start: 35018, Stop: 33189, Start Num: 229

Candidate Starts for Abrogate_440:

(Start: 229 @35018 has 918 MA's), (347, 34805), (354, 34790), (394, 34712), (400, 34691), (402, 34685), (404, 34676), (429, 34592), (440, 34559), (448, 34532), (500, 34439), (504, 34424), (511, 34403), (516, 34391), (539, 34340), (540, 34337), (566, 34271), (580, 34241), (592, 34211), (614, 34166), (635, 34127), (695, 33947), (705, 33899), (723, 33851), (732, 33812), (735, 33794), (745, 33755), (758, 33734), (765, 33713), (770, 33698), (808, 33575), (875, 33404), (880, 33380), (895, 33332), (898, 33320), (909, 33299), (912, 33293), (928, 33245), (935, 33230),

Gene: AbsoluteMadLad_61 Start: 54486, Stop: 52627, Start Num: 197

Candidate Starts for AbsoluteMadLad_61:

(Start: 175 @54510 has 5 MA's), (Start: 197 @54486 has 267 MA's), (Start: 231 @54462 has 5 MA's), (Start: 243 @54456 has 2 MA's), (260, 54414), (267, 54393), (316, 54279), (319, 54273), (337, 54243), (371, 54183), (381, 54162), (399, 54108), (403, 54096), (409, 54078), (413, 54066), (445, 53961), (486, 53904), (499, 53868), (502, 53856), (511, 53832), (516, 53820), (524, 53802), (531, 53784), (539, 53766), (553, 53727), (556, 53718), (557, 53715), (558, 53712), (690, 53355), (696, 53322), (702, 53301), (729, 53208), (732, 53199), (747, 53136), (765, 53100), (766, 53097), (771, 53082), (796, 53004), (800, 52992), (806, 52971), (822, 52932), (857, 52842), (862, 52824), (864, 52818), (870, 52803), (879, 52779), (881, 52764), (882, 52761), (884, 52749), (892, 52725), (911, 52677), (922, 52653),

Gene: Acadian_58 Start: 54470, Stop: 52644, Start Num: 189

Candidate Starts for Acadian_58:

(Start: 189 @54470 has 57 MA's), (253, 54416), (286, 54356), (345, 54245), (371, 54197), (409, 54095), (425, 54053), (436, 54017), (445, 53987), (499, 53894), (502, 53882), (511, 53858), (516, 53846), (524, 53828), (549, 53765), (557, 53741), (603, 53636), (677, 53447), (679, 53429), (684,

53411), (691, 53381), (696, 53354), (727, 53246), (729, 53240), (732, 53231), (736, 53210), (759, 53147), (766, 53114), (771, 53099), (790, 53039), (796, 53021), (800, 53009), (806, 52988), (808, 52979), (810, 52976), (857, 52859), (864, 52835), (879, 52796), (881, 52781), (882, 52778), (888, 52754), (892, 52742), (893, 52739), (912, 52691), (922, 52670),

Gene: Achebe_43 Start: 31519, Stop: 29690, Start Num: 229

Candidate Starts for Achebe_43:

(Start: 229 @31519 has 918 MA's), (261, 31468), (273, 31438), (365, 31276), (376, 31258), (382, 31243), (402, 31186), (404, 31177), (441, 31057), (448, 31033), (483, 30991), (500, 30940), (517, 30892), (528, 30871), (543, 30832), (560, 30787), (564, 30781), (598, 30700), (611, 30679), (635, 30634), (692, 30469), (695, 30448), (735, 30295), (745, 30256), (766, 30184), (771, 30169), (777, 30145), (783, 30127), (786, 30121), (788, 30115), (857, 29914), (898, 29779), (903, 29767), (909, 29758),

Gene: Acme_47 Start: 34868, Stop: 33042, Start Num: 229

Candidate Starts for Acme_47:

(Start: 229 @34868 has 918 MA's), (347, 34655), (354, 34640), (382, 34592), (394, 34562), (400, 34541), (402, 34535), (404, 34526), (440, 34409), (448, 34382), (500, 34289), (504, 34274), (516, 34241), (539, 34190), (540, 34187), (566, 34121), (580, 34091), (592, 34061), (614, 34016), (635, 33977), (695, 33797), (704, 33767), (705, 33749), (719, 33710), (735, 33644), (765, 33563), (766, 33560), (792, 33479), (853, 33329), (854, 33326), (861, 33290), (870, 33266), (874, 33257), (878, 33245), (898, 33170), (909, 33149),

Gene: Acolyte_41 Start: 30968, Stop: 29181, Start Num: 229

Candidate Starts for Acolyte_41:

(Start: 229 @30968 has 918 MA's), (343, 30761), (347, 30755), (354, 30740), (365, 30725), (382, 30692), (383, 30689), (394, 30662), (402, 30635), (448, 30482), (500, 30389), (502, 30380), (516, 30341), (519, 30332), (528, 30317), (553, 30251), (575, 30206), (588, 30170), (611, 30122), (695, 29897), (704, 29867), (707, 29846), (735, 29744), (758, 29684), (765, 29663), (771, 29645), (840, 29465), (853, 29429), (857, 29405), (877, 29348), (898, 29270), (903, 29258), (909, 29249),

Gene: Acosta_40 Start: 29335, Stop: 27470, Start Num: 270

Candidate Starts for Acosta_40:

(Start: 216 @29422 has 3 MA's), (219, 29419), (Start: 270 @29335 has 147 MA's), (Start: 276 @29326 has 5 MA's), (408, 29059), (412, 29047), (415, 29041), (498, 28759), (500, 28747), (509, 28717), (514, 28702), (516, 28696), (521, 28684), (602, 28528), (610, 28513), (629, 28468), (728, 28153), (735, 28123), (746, 28081), (773, 27994), (783, 27949), (820, 27835), (836, 27796), (854, 27736), (858, 27712), (859, 27709), (860, 27706), (870, 27673), (879, 27640), (880, 27628),

Gene: Adahisdi_44 Start: 34346, Stop: 32520, Start Num: 229

Candidate Starts for Adahisdi_44:

(Start: 229 @34346 has 918 MA's), (347, 34133), (354, 34118), (394, 34040), (400, 34019), (402, 34013), (404, 34004), (440, 33887), (448, 33860), (500, 33767), (504, 33752), (539, 33668), (540, 33665), (566, 33599), (580, 33569), (592, 33539), (614, 33494), (635, 33455), (695, 33275), (704, 33245), (705, 33227), (707, 33224), (719, 33188), (735, 33122), (765, 33041), (766, 33038), (792, 32957), (853, 32807), (854, 32804), (861, 32768), (870, 32744), (874, 32735), (878, 32723), (883, 32696), (898, 32648), (909, 32627),

Gene: Adat_36 Start: 31889, Stop: 30144, Start Num: 257

Candidate Starts for Adat_36:

(247, 31916), (Start: 257 @31889 has 6 MA's), (259, 31886), (272, 31853), (274, 31847), (321, 31754), (339, 31721), (354, 31694), (414, 31559), (453, 31430), (481, 31424), (487, 31400), (495, 31385), (502, 31358), (512, 31328), (543, 31247), (546, 31238), (573, 31178), (583, 31157), (637,

31043), (645, 31025), (745, 30647), (758, 30629), (778, 30563), (783, 30548), (861, 30329), (875, 30287), (898, 30203), (912, 30170),

Gene: Adolin_40 Start: 27791, Stop: 29701, Start Num: 229

Candidate Starts for Adolin_40:

(Start: 229 @27791 has 918 MA's), (260, 27839), (394, 28088), (421, 28178), (501, 28430), (504, 28439), (543, 28538), (548, 28553), (579, 28622), (611, 28691), (669, 28829), (695, 28949), (704, 28979), (712, 29012), (719, 29036), (735, 29102), (776, 29237), (786, 29267), (853, 29438), (862, 29480), (875, 29513), (898, 29597), (902, 29606), (909, 29618),

Gene: Adriana_62 Start: 55113, Stop: 53254, Start Num: 197

Candidate Starts for Adriana_62:

(Start: 175 @55137 has 5 MA's), (Start: 197 @55113 has 267 MA's), (Start: 231 @55089 has 5 MA's), (Start: 243 @55083 has 2 MA's), (260, 55041), (267, 55020), (316, 54906), (319, 54900), (337, 54870), (371, 54810), (381, 54789), (399, 54735), (403, 54723), (409, 54705), (413, 54693), (445, 54588), (486, 54531), (499, 54495), (502, 54483), (512, 54456), (516, 54447), (531, 54411), (553, 54354), (556, 54345), (557, 54342), (558, 54339), (690, 53982), (696, 53949), (702, 53928), (729, 53835), (732, 53826), (747, 53763), (765, 53727), (766, 53724), (771, 53709), (796, 53631), (800, 53619), (806, 53598), (822, 53559), (857, 53469), (862, 53451), (864, 53445), (870, 53430), (879, 53406), (881, 53391), (882, 53388), (884, 53376), (892, 53352), (911, 53304), (922, 53280),

Gene: Adumb2043_38 Start: 28808, Stop: 30673, Start Num: 229

Candidate Starts for Adumb2043_38:

(Start: 229 @28808 has 918 MA's), (260, 28856), (341, 29012), (382, 29075), (400, 29126), (421, 29195), (501, 29402), (540, 29501), (543, 29510), (548, 29525), (553, 29537), (567, 29570), (611, 29663), (640, 29720), (669, 29801), (695, 29921), (704, 29951), (719, 30008), (733, 30065), (735, 30074), (764, 30167), (786, 30239), (789, 30248), (825, 30347), (853, 30410), (891, 30545), (898, 30569), (902, 30578), (936, 30656),

Gene: Adzzy_46 Start: 30091, Stop: 28304, Start Num: 229

Candidate Starts for Adzzy_46:

(Start: 229 @30091 has 918 MA's), (341, 29887), (347, 29878), (382, 29815), (383, 29812), (394, 29785), (402, 29758), (408, 29737), (448, 29605), (500, 29512), (516, 29464), (553, 29374), (576, 29326), (695, 29020), (718, 28936), (719, 28933), (728, 28897), (735, 28867), (745, 28828), (758, 28807), (765, 28786), (802, 28669), (811, 28642), (828, 28606), (840, 28588), (853, 28552), (857, 28528), (898, 28393), (903, 28381), (909, 28372),

Gene: Aelin_60 Start: 54050, Stop: 52191, Start Num: 197

Candidate Starts for Aelin_60:

(Start: 175 @54074 has 5 MA's), (Start: 197 @54050 has 267 MA's), (Start: 231 @54026 has 5 MA's), (Start: 243 @54020 has 2 MA's), (260, 53978), (267, 53957), (316, 53843), (319, 53837), (337, 53807), (371, 53747), (381, 53726), (399, 53672), (403, 53660), (409, 53642), (413, 53630), (445, 53525), (486, 53468), (499, 53432), (502, 53420), (511, 53396), (516, 53384), (524, 53366), (531, 53348), (539, 53330), (553, 53291), (556, 53282), (557, 53279), (558, 53276), (690, 52919), (696, 52886), (702, 52865), (729, 52772), (732, 52763), (747, 52700), (765, 52664), (766, 52661), (771, 52646), (796, 52568), (800, 52556), (806, 52535), (822, 52496), (857, 52406), (862, 52388), (864, 52382), (870, 52367), (879, 52343), (881, 52328), (882, 52325), (884, 52313), (892, 52289), (911, 52241), (922, 52217),

Gene: Aeneas_47 Start: 34971, Stop: 33184, Start Num: 229

Candidate Starts for Aeneas_47:

(Start: 229 @34971 has 918 MA's), (347, 34758), (354, 34743), (394, 34665), (400, 34644), (402, 34638), (404, 34629), (429, 34545), (440, 34512), (448, 34485), (500, 34392), (504, 34377), (511,

34356), (516, 34344), (539, 34293), (540, 34290), (566, 34224), (580, 34194), (592, 34164), (614, 34119), (635, 34080), (695, 33900), (705, 33852), (719, 33813), (735, 33747), (763, 33675), (765, 33666), (792, 33582), (823, 33495), (870, 33369), (875, 33357), (891, 33297), (898, 33273), (901, 33267),

Gene: Agaliana_41 Start: 31606, Stop: 29780, Start Num: 229

Candidate Starts for Agaliana_41:

(Start: 229 @31606 has 918 MA's), (347, 31393), (354, 31378), (394, 31300), (400, 31279), (402, 31273), (404, 31264), (440, 31147), (448, 31120), (500, 31027), (504, 31012), (516, 30979), (539, 30928), (540, 30925), (566, 30859), (580, 30829), (592, 30799), (614, 30754), (635, 30715), (695, 30535), (705, 30487), (719, 30448), (735, 30382), (765, 30301), (766, 30298), (792, 30217), (850, 30082), (853, 30067), (854, 30064), (861, 30028), (870, 30004), (874, 29995), (878, 29983), (883, 29956), (898, 29908), (909, 29887),

Gene: Agape74_46 Start: 31661, Stop: 29874, Start Num: 229

Candidate Starts for Agape74_46:

(154, 31748), (Start: 229 @31661 has 918 MA's), (343, 31454), (347, 31448), (354, 31433), (365, 31418), (383, 31382), (394, 31355), (402, 31328), (408, 31307), (448, 31175), (500, 31082), (516, 31034), (519, 31025), (528, 31010), (553, 30944), (588, 30863), (611, 30815), (614, 30809), (649, 30746), (695, 30590), (707, 30539), (718, 30506), (719, 30503), (735, 30437), (745, 30398), (758, 30377), (781, 30302), (786, 30290), (802, 30239), (828, 30176), (840, 30158), (853, 30122), (857, 30098), (881, 30020), (898, 29963), (903, 29951), (909, 29942),

Gene: Agatha_43 Start: 32554, Stop: 30161, Start Num: 32

Candidate Starts for Agatha_43:

(Start: 32 @32554 has 16 MA's), (42, 32548), (Start: 55 @32500 has 1 MA's), (66, 32458), (76, 32434), (116, 32308), (121, 32284), (156, 32239), (186, 32188), (198, 32173), (211, 32152), (251, 32104), (263, 32071), (266, 32062), (311, 31987), (315, 31975), (352, 31906), (368, 31879), (371, 31873), (379, 31858), (398, 31804), (399, 31801), (405, 31783), (412, 31762), (432, 31702), (469, 31579), (470, 31573), (489, 31504), (500, 31462), (547, 31375), (570, 31351), (586, 31345), (594, 31321), (599, 31312), (606, 31297), (612, 31285), (633, 31243), (634, 31240), (635, 31237), (655, 31201), (685, 31090), (701, 31021), (702, 31015), (712, 30979), (726, 30922), (735, 30886), (744, 30850), (746, 30844), (748, 30838), (750, 30832), (766, 30775), (773, 30751), (783, 30706), (896, 30325), (910, 30280), (914, 30271), (935, 30211), (944, 30193),

Gene: AgentM_37 Start: 30104, Stop: 28245, Start Num: 229

Candidate Starts for AgentM_37:

(Start: 229 @30104 has 918 MA's), (261, 30053), (296, 29993), (327, 29930), (341, 29900), (343, 29897), (378, 29840), (382, 29828), (394, 29798), (402, 29771), (432, 29669), (437, 29654), (448, 29618), (489, 29558), (500, 29522), (516, 29474), (550, 29390), (553, 29384), (586, 29312), (598, 29279), (607, 29264), (614, 29252), (664, 29153), (695, 29018), (704, 28988), (705, 28970), (714, 28952), (719, 28931), (723, 28922), (735, 28865), (745, 28826), (765, 28784), (771, 28766), (786, 28718), (802, 28667), (823, 28613), (828, 28604), (840, 28586), (857, 28526), (862, 28508), (891, 28415), (898, 28391), (903, 28379), (953, 28262), (955, 28259),

Gene: Agente005_39 Start: 29167, Stop: 27299, Start Num: 270

Candidate Starts for Agente005_39:

(164, 29332), (192, 29287), (Start: 227 @29242 has 8 MA's), (Start: 270 @29167 has 147 MA's), (Start: 276 @29158 has 5 MA's), (405, 28900), (407, 28894), (412, 28879), (415, 28873), (471, 28687), (493, 28600), (498, 28591), (500, 28579), (508, 28552), (509, 28549), (514, 28534), (516, 28528), (521, 28516), (530, 28492), (670, 28198), (728, 27985), (731, 27976), (735, 27955), (746, 27913), (773, 27823), (783, 27778), (820, 27664), (834, 27634), (854, 27565), (858, 27541), (870, 27502), (880, 27457),

Gene: Aglet_49 Start: 31854, Stop: 30040, Start Num: 229

Candidate Starts for Aglet_49:

(Start: 229 @31854 has 918 MA's), (255, 31815), (261, 31803), (341, 31650), (349, 31635), (382, 31578), (402, 31521), (404, 31512), (418, 31470), (432, 31419), (448, 31368), (500, 31275), (516, 31227), (519, 31218), (528, 31203), (543, 31164), (553, 31137), (566, 31107), (607, 31014), (639, 30954), (649, 30939), (695, 30783), (719, 30696), (732, 30648), (735, 30630), (745, 30591), (766, 30519), (777, 30480), (786, 30456), (792, 30438), (802, 30405), (811, 30378), (840, 30324), (857, 30264), (881, 30186), (898, 30129), (903, 30117), (909, 30108),

Gene: AgronaGT15_47 Start: 31705, Stop: 29891, Start Num: 229

Candidate Starts for AgronaGT15_47:

(Start: 229 @31705 has 918 MA's), (255, 31666), (261, 31654), (341, 31501), (349, 31486), (382, 31429), (402, 31372), (404, 31363), (418, 31321), (432, 31270), (448, 31219), (487, 31165), (500, 31126), (516, 31078), (528, 31054), (543, 31015), (553, 30988), (566, 30958), (607, 30865), (614, 30853), (639, 30805), (649, 30790), (695, 30634), (707, 30583), (718, 30550), (719, 30547), (735, 30481), (745, 30442), (766, 30370), (777, 30331), (786, 30307), (792, 30289), (802, 30256), (857, 30115), (883, 30028), (898, 29980), (903, 29968), (909, 29959), (911, 29956),

Gene: Ahwei_52 Start: 52985, Stop: 51162, Start Num: 189

Candidate Starts for Ahwei_52:

(Start: 175 @53003 has 5 MA's), (Start: 189 @52985 has 57 MA's), (Start: 243 @52961 has 2 MA's), (253, 52934), (260, 52919), (267, 52898), (308, 52811), (368, 52706), (386, 52664), (409, 52598), (420, 52568), (422, 52559), (425, 52556), (426, 52553), (434, 52526), (486, 52433), (493, 52415), (499, 52397), (502, 52385), (508, 52370), (512, 52358), (556, 52247), (557, 52244), (570, 52214), (586, 52178), (676, 51953), (677, 51950), (684, 51914), (690, 51890), (696, 51857), (727, 51749), (729, 51743), (731, 51737), (732, 51734), (765, 51635), (766, 51632), (771, 51617), (796, 51539), (800, 51527), (806, 51506), (808, 51497), (822, 51467), (837, 51443), (852, 51410), (857, 51377), (862, 51359), (864, 51353), (879, 51314), (882, 51296), (884, 51284), (892, 51260), (908, 51218), (911, 51212), (922, 51188),

Gene: AikoCarson_44 Start: 32796, Stop: 30409, Start Num: 39

Candidate Starts for AikoCarson_44:

(9, 32943), (11, 32901), (16, 32868), (19, 32853), (Start: 39 @32796 has 23 MA's), (44, 32787), (46, 32781), (66, 32700), (97, 32604), (106, 32580), (116, 32553), (121, 32529), (211, 32397), (241, 32370), (248, 32355), (266, 32307), (283, 32277), (311, 32232), (315, 32220), (352, 32154), (379, 32106), (398, 32052), (405, 32031), (412, 32010), (417, 31995), (432, 31950), (469, 31827), (484, 31767), (489, 31752), (500, 31710), (547, 31623), (570, 31599), (586, 31593), (594, 31569), (599, 31560), (633, 31491), (634, 31488), (635, 31485), (674, 31389), (685, 31338), (701, 31269), (702, 31263), (735, 31134), (744, 31098), (746, 31092), (748, 31086), (750, 31080), (757, 31056), (766, 31023), (773, 30999), (783, 30954), (854, 30741), (857, 30720), (862, 30702), (863, 30699), (896, 30573), (910, 30528), (914, 30519),

Gene: AinMach_42 Start: 30094, Stop: 31947, Start Num: 229

Candidate Starts for AinMach_42:

(Start: 229 @30094 has 918 MA's), (298, 30211), (313, 30238), (327, 30268), (394, 30391), (400, 30412), (543, 30775), (548, 30790), (611, 30928), (643, 30991), (651, 31012), (695, 31186), (704, 31216), (707, 31237), (719, 31273), (726, 31303), (735, 31339), (764, 31432), (823, 31609), (840, 31639), (853, 31675), (857, 31699), (879, 31762), (898, 31834), (912, 31861), (939, 31930),

Gene: Airmid_39 Start: 30159, Stop: 28294, Start Num: 229

Candidate Starts for Airmid_39:

(Start: 229 @30159 has 918 MA's), (296, 30048), (341, 29955), (343, 29952), (382, 29883), (394, 29853), (402, 29826), (404, 29817), (432, 29724), (437, 29709), (448, 29673), (489, 29613), (500, 29577), (514, 29532), (516, 29529), (528, 29505), (550, 29445), (586, 29367), (607, 29319), (614, 29307), (639, 29259), (664, 29208), (695, 29073), (704, 29043), (705, 29025), (719, 28986), (723, 28977), (729, 28947), (735, 28920), (736, 28917), (758, 28860), (765, 28839), (786, 28773), (802, 28722), (823, 28668), (828, 28659), (840, 28641), (862, 28563), (891, 28470), (898, 28446), (903, 28434), (947, 28329),

Gene: Ajay_45 Start: 34664, Stop: 32835, Start Num: 229

Candidate Starts for Ajay_45:

(Start: 229 @34664 has 918 MA's), (347, 34451), (382, 34388), (394, 34358), (400, 34337), (402, 34331), (404, 34322), (440, 34205), (448, 34178), (500, 34085), (504, 34070), (516, 34037), (539, 33986), (540, 33983), (566, 33917), (580, 33887), (592, 33857), (614, 33812), (635, 33773), (695, 33593), (705, 33545), (723, 33497), (732, 33458), (735, 33440), (745, 33401), (758, 33380), (765, 33359), (770, 33344), (808, 33221), (875, 33050), (880, 33026), (895, 32978), (898, 32966), (909, 32945), (912, 32939), (928, 32891), (935, 32876),

Gene: Akoma_58 Start: 53685, Stop: 51868, Start Num: 238

Candidate Starts for Akoma_58:

(124, 53868), (Start: 238 @53685 has 44 MA's), (253, 53655), (347, 53475), (395, 53370), (408, 53322), (412, 53310), (422, 53280), (426, 53274), (445, 53211), (447, 53205), (486, 53154), (499, 53118), (516, 53070), (557, 52965), (596, 52869), (627, 52818), (676, 52674), (684, 52635), (691, 52605), (696, 52578), (700, 52566), (727, 52470), (729, 52464), (732, 52455), (734, 52443), (759, 52371), (765, 52341), (771, 52323), (773, 52314), (796, 52245), (800, 52233), (806, 52212), (840, 52143), (849, 52128), (854, 52104), (857, 52083), (862, 52065), (864, 52059), (877, 52026), (879, 52020), (882, 52002), (884, 51990), (888, 51978), (892, 51966), (908, 51924), (922, 51894),

Gene: Alakazam_38 Start: 28696, Stop: 26795, Start Num: 270

Candidate Starts for Alakazam_38:

(Start: 270 @28696 has 147 MA's), (321, 28597), (326, 28591), (355, 28540), (357, 28537), (384, 28486), (386, 28483), (413, 28405), (443, 28312), (474, 28201), (479, 28180), (493, 28126), (497, 28120), (498, 28117), (500, 28105), (509, 28075), (516, 28054), (521, 28042), (522, 28039), (530, 28018), (610, 27871), (654, 27772), (672, 27715), (735, 27448), (744, 27412), (746, 27406), (751, 27391), (771, 27328), (773, 27319), (836, 27121), (858, 27037), (859, 27034), (861, 27025), (870, 26998),

Gene: AlanGrant_57 Start: 55116, Stop: 53290, Start Num: 189

Candidate Starts for AlanGrant_57:

(Start: 189 @55116 has 57 MA's), (Start: 225 @55098 has 1 MA's), (260, 55047), (267, 55026), (337, 54888), (368, 54834), (391, 54780), (409, 54726), (420, 54696), (425, 54684), (426, 54681), (486, 54561), (499, 54525), (502, 54513), (512, 54486), (553, 54384), (557, 54372), (575, 54336), (586, 54306), (598, 54273), (627, 54225), (691, 54012), (696, 53985), (727, 53877), (729, 53871), (732, 53862), (734, 53850), (747, 53799), (763, 53772), (765, 53763), (766, 53760), (767, 53757), (771, 53745), (796, 53667), (800, 53655), (806, 53634), (808, 53625), (812, 53616), (857, 53505), (862, 53487), (864, 53481), (879, 53442), (881, 53427), (884, 53412), (888, 53400), (892, 53388), (911, 53340), (922, 53316),

Gene: Alatin_36 Start: 28180, Stop: 26396, Start Num: 229

Candidate Starts for Alatin_36:

(Start: 229 @28180 has 918 MA's), (361, 27946), (378, 27916), (381, 27907), (382, 27904), (398, 27859), (402, 27847), (418, 27796), (448, 27694), (477, 27673), (500, 27601), (514, 27556), (516, 27553), (536, 27511), (538, 27505), (543, 27490), (553, 27463), (598, 27358), (603, 27349), (614, 27331), (615, 27328), (635, 27292), (695, 27112), (705, 27064), (735, 26959), (736, 26956), (758,

26899), (765, 26878), (804, 26755), (840, 26680), (853, 26644), (857, 26620), (881, 26542), (898, 26485), (903, 26473), (923, 26434), (925, 26416),

Gene: Albedo_43 Start: 29891, Stop: 31765, Start Num: 229

Candidate Starts for Albedo_43:

(Start: 226 @29888 has 7 MA's), (Start: 229 @29891 has 918 MA's), (266, 29960), (280, 29981), (404, 30227), (418, 30269), (510, 30482), (543, 30563), (648, 30797), (683, 30920), (695, 30980), (698, 30986), (707, 31031), (714, 31046), (716, 31061), (726, 31097), (735, 31133), (764, 31226), (793, 31319), (821, 31397), (853, 31469), (861, 31508), (877, 31550), (880, 31568), (898, 31628), (909, 31649),

Gene: Albee_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Albee_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Alberto7_46 Start: 31907, Stop: 30081, Start Num: 229

Candidate Starts for Alberto7_46:

(Start: 229 @31907 has 918 MA's), (250, 31886), (261, 31856), (273, 31826), (365, 31664), (376, 31646), (402, 31574), (404, 31565), (441, 31445), (448, 31421), (500, 31328), (517, 31280), (528, 31259), (543, 31220), (598, 31088), (611, 31067), (635, 31022), (640, 31010), (692, 30857), (695, 30836), (728, 30713), (735, 30683), (745, 30644), (765, 30578), (766, 30575), (771, 30560), (777, 30536), (786, 30512), (857, 30305), (898, 30170), (903, 30158), (909, 30149),

Gene: Albright_40 Start: 28818, Stop: 30692, Start Num: 229

Candidate Starts for Albright_40:

(Start: 226 @28815 has 7 MA's), (Start: 229 @28818 has 918 MA's), (266, 28887), (280, 28908), (404, 29154), (418, 29196), (510, 29409), (543, 29490), (648, 29724), (683, 29847), (695, 29907), (698, 29913), (707, 29958), (714, 29973), (716, 29988), (726, 30024), (735, 30060), (764, 30153), (793, 30246), (821, 30324), (853, 30396), (861, 30435), (877, 30477), (880, 30495), (898, 30555), (909, 30576),

Gene: AlexAdler_39 Start: 28925, Stop: 27060, Start Num: 270

Candidate Starts for AlexAdler_39:

(Start: 216 @29012 has 3 MA's), (Start: 270 @28925 has 147 MA's), (Start: 276 @28916 has 5 MA's), (333, 28811), (336, 28802), (353, 28772), (355, 28769), (408, 28649), (412, 28637), (415, 28631), (449, 28526), (456, 28499), (493, 28358), (497, 28352), (498, 28349), (500, 28337), (508, 28310), (509, 28307), (514, 28292), (516, 28286), (518, 28280), (531, 28247), (629, 28058), (728, 27743), (731, 27734), (732, 27731), (735, 27713), (746, 27671), (748, 27665), (756, 27641), (773, 27584), (820, 27425), (834, 27395), (836, 27386), (854, 27326), (858, 27302), (870, 27263), (879, 27230), (880, 27218), (896, 27158),

Gene: Aliter_45 Start: 31411, Stop: 29618, Start Num: 229

Candidate Starts for Aliter_45:

(Start: 229 @31411 has 918 MA's), (Start: 244 @31402 has 1 MA's), (261, 31360), (325, 31240), (327, 31237), (350, 31189), (383, 31129), (395, 31099), (398, 31087), (402, 31075), (448, 30922), (500, 30829), (553, 30691), (566, 30661), (640, 30502), (649, 30490), (666, 30463), (692, 30355), (695, 30334), (732, 30199), (735, 30181), (765, 30100), (777, 30058), (802, 29983), (837, 29908), (853, 29866), (881, 29764), (898, 29707), (903, 29695), (909, 29686),

Gene: Allegro_57 Start: 52477, Stop: 50648, Start Num: 189

Candidate Starts for Allegro_57:

(Start: 189 @52477 has 57 MA's), (Start: 243 @52450 has 2 MA's), (254, 52420), (260, 52408), (271, 52381), (273, 52378), (278, 52369), (298, 52351), (343, 52255), (371, 52204), (382, 52180), (391, 52156), (434, 52018), (442, 51994), (445, 51982), (486, 51925), (499, 51889), (502, 51877), (511, 51853), (546, 51769), (556, 51739), (557, 51736), (570, 51706), (633, 51562), (659, 51496), (673, 51457), (676, 51445), (679, 51424), (684, 51406), (696, 51349), (723, 51265), (729, 51235), (732, 51226), (747, 51160), (763, 51133), (765, 51124), (771, 51106), (777, 51082), (796, 51028), (800, 51016), (806, 50995), (840, 50926), (857, 50866), (862, 50848), (875, 50815), (879, 50803), (881, 50788), (882, 50785), (884, 50773), (892, 50749), (893, 50746), (911, 50698), (912, 50695), (922, 50674), (925, 50653),

Gene: Alma_45 Start: 31495, Stop: 29702, Start Num: 229

Candidate Starts for Alma_45:

(Start: 229 @31495 has 918 MA's), (Start: 244 @31486 has 1 MA's), (311, 31357), (327, 31321), (341, 31291), (347, 31282), (365, 31249), (382, 31216), (383, 31213), (395, 31183), (398, 31171), (402, 31159), (448, 31006), (500, 30913), (553, 30775), (566, 30745), (640, 30586), (649, 30574), (666, 30547), (692, 30439), (695, 30418), (732, 30283), (735, 30265), (765, 30184), (802, 30067), (808, 30046), (837, 29992), (853, 29950), (857, 29926), (881, 29848), (898, 29791), (903, 29779), (909, 29770),

Gene: Alone3_143 Start: 75999, Stop: 78035, Start Num: 252

Candidate Starts for Alone3_143:

(Start: 252 @75999 has 4 MA's), (281, 76065), (292, 76089), (307, 76140), (310, 76143), (314, 76155), (329, 76188), (367, 76257), (415, 76392), (424, 76428), (480, 76548), (494, 76602), (496, 76605), (510, 76656), (514, 76668), (543, 76737), (550, 76758), (566, 76806), (570, 76815), (697, 77193), (722, 77310), (725, 77328), (745, 77424), (761, 77460), (780, 77529), (783, 77538), (786, 77544), (832, 77682), (837, 77697), (843, 77712), (861, 77796), (862, 77799), (879, 77871), (898, 77943), (919, 77997), (921, 78003),

Gene: Alpacados_35 Start: 28085, Stop: 26301, Start Num: 229

Candidate Starts for Alpacados_35:

(Start: 229 @28085 has 918 MA's), (325, 27914), (361, 27851), (378, 27821), (381, 27812), (382, 27809), (398, 27764), (402, 27752), (404, 27743), (418, 27701), (448, 27599), (477, 27578), (500, 27506), (514, 27461), (516, 27458), (536, 27416), (538, 27410), (543, 27395), (553, 27368), (598, 27263), (614, 27236), (635, 27197), (695, 27017), (705, 26969), (735, 26864), (736, 26861), (758, 26804), (765, 26783), (777, 26741), (779, 26735), (804, 26660), (837, 26591), (853, 26549), (857, 26525), (881, 26447), (898, 26390), (903, 26378), (925, 26321),

Gene: Alsfro_48 Start: 34937, Stop: 33111, Start Num: 229

Candidate Starts for Alsfro_48:

(Start: 229 @34937 has 918 MA's), (347, 34724), (354, 34709), (394, 34631), (400, 34610), (402, 34604), (404, 34595), (440, 34478), (448, 34451), (500, 34358), (504, 34343), (516, 34310), (539, 34259), (540, 34256), (566, 34190), (592, 34130), (614, 34085), (635, 34046), (695, 33866), (705, 33818), (719, 33779), (735, 33713), (745, 33674), (758, 33653), (765, 33632), (771, 33614), (792, 33548), (853, 33398), (854, 33395), (861, 33359), (870, 33335), (874, 33326), (878, 33314), (898, 33239), (909, 33218),

Gene: AltPhacts_60 Start: 53599, Stop: 51740, Start Num: 197

Candidate Starts for AltPhacts_60:

(Start: 175 @53623 has 5 MA's), (Start: 197 @53599 has 267 MA's), (Start: 231 @53575 has 5 MA's), (Start: 243 @53569 has 2 MA's), (253, 53542), (260, 53527), (267, 53506), (316, 53392), (319, 53386), (337, 53356), (371, 53296), (381, 53275), (399, 53221), (403, 53209), (409, 53191), (413,

53179), (445, 53074), (486, 53017), (499, 52981), (502, 52969), (511, 52945), (516, 52933), (531, 52897), (553, 52840), (556, 52831), (557, 52828), (558, 52825), (690, 52468), (696, 52435), (702, 52414), (729, 52321), (732, 52312), (747, 52249), (765, 52213), (766, 52210), (771, 52195), (796, 52117), (800, 52105), (806, 52084), (822, 52045), (857, 51955), (862, 51937), (864, 51931), (870, 51916), (879, 51892), (881, 51877), (882, 51874), (884, 51862), (892, 51838), (911, 51790), (922, 51766),

Gene: Altman_46 Start: 35175, Stop: 33349, Start Num: 229

Candidate Starts for Altman_46:

(Start: 229 @35175 has 918 MA's), (347, 34962), (382, 34899), (394, 34869), (400, 34848), (402, 34842), (404, 34833), (440, 34716), (448, 34689), (500, 34596), (504, 34581), (539, 34497), (540, 34494), (566, 34428), (580, 34398), (592, 34368), (614, 34323), (635, 34284), (695, 34104), (705, 34056), (719, 34017), (735, 33951), (745, 33912), (758, 33891), (765, 33870), (771, 33852), (792, 33786), (853, 33636), (854, 33633), (861, 33597), (870, 33573), (874, 33564), (878, 33552), (898, 33477), (909, 33456),

Gene: Altwerkus_58 Start: 53696, Stop: 51837, Start Num: 197

Candidate Starts for Altwerkus_58:

(Start: 175 @53720 has 5 MA's), (Start: 197 @53696 has 267 MA's), (Start: 231 @53672 has 5 MA's), (Start: 243 @53666 has 2 MA's), (260, 53624), (267, 53603), (316, 53489), (319, 53483), (337, 53453), (371, 53393), (381, 53372), (399, 53318), (403, 53306), (409, 53288), (413, 53276), (445, 53171), (486, 53114), (499, 53078), (502, 53066), (512, 53039), (524, 53012), (531, 52994), (539, 52976), (553, 52937), (556, 52928), (557, 52925), (664, 52667), (690, 52565), (696, 52532), (702, 52511), (729, 52418), (732, 52409), (747, 52346), (765, 52310), (766, 52307), (771, 52292), (796, 52214), (800, 52202), (806, 52181), (822, 52142), (857, 52052), (862, 52034), (864, 52028), (870, 52013), (879, 51989), (881, 51974), (882, 51971), (884, 51959), (892, 51935), (911, 51887), (922, 51863),

Gene: Alvin_44 Start: 35187, Stop: 33358, Start Num: 229

Candidate Starts for Alvin_44:

(Start: 229 @35187 has 918 MA's), (325, 35016), (347, 34974), (354, 34959), (382, 34911), (394, 34881), (400, 34860), (402, 34854), (404, 34845), (440, 34728), (448, 34701), (500, 34608), (504, 34593), (539, 34509), (540, 34506), (566, 34440), (580, 34410), (592, 34380), (614, 34335), (635, 34296), (695, 34116), (705, 34068), (723, 34020), (732, 33981), (735, 33963), (745, 33924), (758, 33903), (765, 33882), (770, 33867), (808, 33744), (823, 33711), (875, 33573), (880, 33549), (895, 33501), (898, 33489), (909, 33468), (912, 33462), (928, 33414), (935, 33399),

Gene: Alyxandracam_39 Start: 28935, Stop: 27070, Start Num: 270

Candidate Starts for Alyxandracam_39:

(Start: 216 @29022 has 3 MA's), (219, 29019), (Start: 270 @28935 has 147 MA's), (Start: 276 @28926 has 5 MA's), (333, 28821), (336, 28812), (353, 28782), (355, 28779), (407, 28662), (412, 28647), (415, 28641), (449, 28536), (456, 28509), (493, 28368), (498, 28359), (500, 28347), (508, 28320), (509, 28317), (514, 28302), (516, 28296), (518, 28290), (531, 28257), (629, 28068), (728, 27753), (731, 27744), (732, 27741), (735, 27723), (746, 27681), (748, 27675), (756, 27651), (773, 27594), (820, 27435), (834, 27405), (836, 27396), (854, 27336), (858, 27312), (870, 27273), (879, 27240), (880, 27228), (896, 27168),

Gene: Amavida_56 Start: 36664, Stop: 34496, Start Num: 218

Candidate Starts for Amavida_56:

(215, 36667), (Start: 218 @36664 has 13 MA's), (253, 36610), (291, 36526), (354, 36373), (359, 36364), (382, 36319), (403, 36241), (406, 36232), (411, 36217), (417, 36202), (418, 36199), (434, 36142), (461, 36049), (467, 36007), (523, 35812), (527, 35800), (529, 35794), (539, 35770), (546, 35749), (555, 35728), (559, 35713), (563, 35707), (591, 35644), (614, 35593), (644, 35506), (666,

35446), (678, 35398), (703, 35296), (704, 35290), (709, 35263), (710, 35260), (718, 35239), (729, 35197), (731, 35191), (736, 35167), (743, 35125), (744, 35122), (752, 35095), (760, 35062), (764, 35050), (774, 35014), (781, 34990), (783, 34984), (786, 34978), (803, 34924), (822, 34876), (823, 34873), (848, 34813), (853, 34789), (859, 34759), (876, 34705), (879, 34696), (895, 34636), (898, 34624), (911, 34585),

Gene: Amigo_55 Start: 36879, Stop: 34711, Start Num: 218

Candidate Starts for Amigo_55:

(215, 36882), (Start: 218 @36879 has 13 MA's), (253, 36825), (291, 36741), (354, 36588), (359, 36579), (382, 36534), (403, 36456), (406, 36447), (411, 36432), (417, 36417), (418, 36414), (434, 36357), (461, 36264), (467, 36222), (523, 36027), (527, 36015), (529, 36009), (539, 35985), (546, 35964), (555, 35943), (559, 35928), (563, 35922), (591, 35859), (614, 35808), (644, 35721), (666, 35661), (678, 35613), (703, 35511), (704, 35505), (709, 35478), (710, 35475), (718, 35454), (729, 35412), (731, 35406), (736, 35382), (743, 35340), (744, 35337), (752, 35310), (760, 35277), (764, 35265), (774, 35229), (781, 35205), (783, 35199), (786, 35193), (803, 35139), (822, 35091), (823, 35088), (848, 35028), (853, 35004), (859, 34974), (876, 34920), (895, 34851), (898, 34839), (911, 34800),

Gene: Amok_44 Start: 32820, Stop: 30433, Start Num: 39

Candidate Starts for Amok_44:

(11, 32925), (16, 32892), (19, 32877), (Start: 39 @32820 has 23 MA's), (44, 32811), (46, 32805), (66, 32724), (97, 32628), (106, 32604), (116, 32577), (121, 32553), (211, 32421), (241, 32394), (248, 32379), (266, 32331), (283, 32301), (311, 32256), (315, 32244), (352, 32178), (379, 32130), (398, 32076), (405, 32055), (412, 32034), (417, 32019), (432, 31974), (469, 31851), (484, 31791), (489, 31776), (500, 31734), (547, 31647), (570, 31623), (586, 31617), (594, 31593), (599, 31584), (633, 31515), (634, 31512), (635, 31509), (674, 31413), (685, 31362), (701, 31293), (702, 31287), (735, 31158), (744, 31122), (746, 31116), (748, 31110), (750, 31104), (757, 31080), (766, 31047), (773, 31023), (783, 30978), (854, 30765), (857, 30744), (862, 30726), (863, 30723), (896, 30597), (910, 30552), (914, 30543),

Gene: Amyev_40 Start: 30363, Stop: 32228, Start Num: 229

Candidate Starts for Amyev_40:

(Start: 162 @30285 has 2 MA's), (Start: 229 @30363 has 918 MA's), (260, 30411), (327, 30537), (341, 30567), (364, 30594), (368, 30600), (394, 30660), (421, 30750), (501, 30957), (504, 30966), (543, 31065), (548, 31080), (611, 31218), (669, 31356), (689, 31443), (695, 31476), (712, 31539), (719, 31563), (733, 31620), (735, 31629), (764, 31722), (786, 31794), (825, 31902), (853, 31965), (857, 31989), (898, 32124), (902, 32133),

Gene: AnClar_50 Start: 47971, Stop: 46157, Start Num: 231

Candidate Starts for AnClar_50:

(165, 48061), (169, 48055), (Start: 231 @47971 has 5 MA's), (Start: 243 @47962 has 2 MA's), (260, 47920), (316, 47794), (343, 47752), (365, 47710), (395, 47641), (408, 47602), (412, 47590), (413, 47587), (439, 47512), (445, 47491), (499, 47398), (548, 47272), (553, 47257), (557, 47245), (594, 47155), (679, 46933), (696, 46858), (729, 46744), (732, 46735), (747, 46672), (766, 46633), (771, 46618), (796, 46540), (800, 46528), (801, 46522), (806, 46507), (808, 46498), (812, 46489), (852, 46411), (857, 46378), (858, 46375), (877, 46321), (879, 46315), (884, 46279), (892, 46255), (922, 46183),

Gene: Anansi_54 Start: 36486, Stop: 34318, Start Num: 218

Candidate Starts for Anansi_54:

(215, 36489), (Start: 218 @36486 has 13 MA's), (253, 36432), (291, 36348), (354, 36195), (359, 36186), (382, 36141), (403, 36063), (406, 36054), (411, 36039), (417, 36024), (418, 36021), (434, 35964), (461, 35871), (467, 35829), (523, 35634), (527, 35622), (529, 35616), (539, 35592), (546,

35571), (555, 35550), (559, 35535), (563, 35529), (591, 35466), (614, 35415), (644, 35328), (666, 35268), (678, 35220), (703, 35118), (704, 35112), (709, 35085), (710, 35082), (718, 35061), (729, 35019), (731, 35013), (736, 34989), (743, 34947), (744, 34944), (752, 34917), (760, 34884), (764, 34872), (774, 34836), (781, 34812), (783, 34806), (786, 34800), (803, 34746), (822, 34698), (823, 34695), (848, 34635), (853, 34611), (859, 34581), (876, 34527), (895, 34458), (898, 34446), (911, 34407),

Gene: AnarQue_54 Start: 48016, Stop: 46199, Start Num: 236

Candidate Starts for AnarQue_54:

(Start: 236 @48016 has 14 MA's), (Start: 243 @48007 has 2 MA's), (253, 47980), (258, 47968), (267, 47944), (273, 47935), (343, 47797), (362, 47761), (395, 47686), (420, 47611), (445, 47533), (486, 47476), (499, 47440), (502, 47428), (511, 47404), (549, 47311), (557, 47287), (565, 47269), (676, 46996), (684, 46957), (691, 46927), (696, 46900), (727, 46792), (729, 46786), (732, 46777), (763, 46687), (765, 46678), (766, 46675), (771, 46660), (796, 46582), (800, 46570), (801, 46564), (806, 46549), (827, 46501), (852, 46453), (857, 46420), (864, 46396), (879, 46357), (881, 46342), (892, 46297), (922, 46225),

Gene: Anaysia_47 Start: 29967, Stop: 28177, Start Num: 229

Candidate Starts for Anaysia_47:

(Start: 229 @29967 has 918 MA's), (327, 29793), (382, 29688), (383, 29685), (394, 29658), (402, 29631), (418, 29580), (448, 29478), (500, 29385), (514, 29340), (516, 29337), (519, 29328), (588, 29166), (598, 29139), (611, 29118), (614, 29112), (669, 29013), (678, 28974), (690, 28923), (695, 28893), (707, 28842), (718, 28809), (726, 28776), (728, 28770), (735, 28740), (758, 28680), (765, 28659), (777, 28617), (787, 28590), (792, 28575), (823, 28488), (853, 28425), (854, 28422), (898, 28266), (903, 28254), (911, 28242),

Gene: AndPeggy_40 Start: 32151, Stop: 29764, Start Num: 39

Candidate Starts for AndPeggy_40:

(16, 32223), (19, 32208), (Start: 39 @32151 has 23 MA's), (44, 32142), (46, 32136), (66, 32055), (106, 31935), (121, 31884), (211, 31752), (241, 31725), (283, 31632), (311, 31587), (342, 31527), (352, 31509), (379, 31461), (398, 31407), (399, 31404), (405, 31386), (412, 31365), (429, 31314), (432, 31305), (433, 31302), (456, 31227), (469, 31182), (484, 31122), (489, 31107), (513, 31023), (547, 30978), (570, 30954), (586, 30948), (594, 30924), (633, 30846), (634, 30843), (635, 30840), (685, 30693), (701, 30624), (726, 30525), (735, 30489), (744, 30453), (746, 30447), (748, 30441), (750, 30435), (757, 30411), (766, 30378), (773, 30354), (783, 30309), (801, 30249), (854, 30096), (857, 30075), (862, 30057), (863, 30054), (896, 29928), (910, 29883), (914, 29874),

Gene: Anderson_61 Start: 54268, Stop: 52409, Start Num: 197

Candidate Starts for Anderson_61:

(Start: 175 @54292 has 5 MA's), (Start: 197 @54268 has 267 MA's), (Start: 231 @54244 has 5 MA's), (Start: 243 @54238 has 2 MA's), (260, 54196), (267, 54175), (316, 54061), (319, 54055), (337, 54025), (371, 53965), (381, 53944), (399, 53890), (403, 53878), (409, 53860), (413, 53848), (445, 53743), (486, 53686), (499, 53650), (502, 53638), (511, 53614), (516, 53602), (524, 53584), (531, 53566), (539, 53548), (553, 53509), (556, 53500), (557, 53497), (558, 53494), (664, 53239), (690, 53137), (696, 53104), (702, 53083), (729, 52990), (732, 52981), (747, 52918), (765, 52882), (766, 52879), (771, 52864), (796, 52786), (800, 52774), (806, 52753), (822, 52714), (857, 52624), (862, 52606), (864, 52600), (870, 52585), (879, 52561), (881, 52546), (882, 52543), (884, 52531), (892, 52507), (898, 52486), (911, 52459), (922, 52435),

Gene: Andre_62 Start: 54444, Stop: 52585, Start Num: 197

Candidate Starts for Andre_62:

(Start: 175 @54468 has 5 MA's), (Start: 197 @54444 has 267 MA's), (Start: 231 @54420 has 5 MA's), (Start: 243 @54414 has 2 MA's), (260, 54372), (267, 54351), (316, 54237), (319, 54231), (337,

54201), (371, 54141), (381, 54120), (399, 54066), (403, 54054), (409, 54036), (413, 54024), (445, 53919), (486, 53862), (499, 53826), (502, 53814), (512, 53787), (524, 53760), (531, 53742), (539, 53724), (553, 53685), (556, 53676), (557, 53673), (690, 53313), (696, 53280), (702, 53259), (729, 53166), (732, 53157), (747, 53094), (765, 53058), (766, 53055), (771, 53040), (796, 52962), (800, 52950), (806, 52929), (822, 52890), (857, 52800), (862, 52782), (864, 52776), (870, 52761), (879, 52737), (881, 52722), (882, 52719), (884, 52707), (892, 52683), (911, 52635), (922, 52611),

Gene: Andromedas_38 Start: 28731, Stop: 26866, Start Num: 270

Candidate Starts for Andromedas_38:

(Start: 270 @28731 has 147 MA's), (296, 28686), (321, 28632), (357, 28572), (384, 28521), (412, 28443), (415, 28437), (429, 28392), (430, 28389), (431, 28386), (443, 28347), (463, 28287), (493, 28164), (498, 28155), (500, 28143), (503, 28131), (509, 28113), (516, 28092), (521, 28080), (610, 27909), (676, 27741), (723, 27576), (731, 27540), (735, 27519), (746, 27477), (773, 27390), (783, 27345), (816, 27246), (834, 27201), (836, 27192), (854, 27132), (858, 27108), (869, 27075), (896, 26964),

Gene: Aneem_45 Start: 30776, Stop: 28989, Start Num: 229

Candidate Starts for Aneem_45:

(Start: 229 @30776 has 918 MA's), (341, 30572), (382, 30500), (394, 30470), (402, 30443), (501, 30191), (519, 30140), (553, 30059), (575, 30014), (640, 29873), (667, 29831), (678, 29786), (695, 29705), (707, 29654), (719, 29618), (735, 29552), (758, 29492), (763, 29480), (795, 29378), (802, 29354), (807, 29336), (840, 29273), (852, 29246), (853, 29237), (857, 29213), (898, 29078), (903, 29066), (909, 29057),

Gene: Anglerfish_45 Start: 34722, Stop: 32896, Start Num: 229

Candidate Starts for Anglerfish_45:

(Start: 229 @34722 has 918 MA's), (347, 34509), (354, 34494), (382, 34446), (394, 34416), (400, 34395), (402, 34389), (404, 34380), (440, 34263), (448, 34236), (500, 34143), (504, 34128), (516, 34095), (539, 34044), (540, 34041), (566, 33975), (580, 33945), (592, 33915), (614, 33870), (635, 33831), (695, 33651), (705, 33603), (719, 33564), (735, 33498), (745, 33459), (758, 33438), (765, 33417), (771, 33399), (792, 33333), (853, 33183), (854, 33180), (861, 33144), (870, 33120), (874, 33111), (878, 33099), (883, 33072), (898, 33024), (909, 33003),

Gene: AngryOrchard_34 Start: 28044, Stop: 26260, Start Num: 229

Candidate Starts for AngryOrchard_34:

(Start: 229 @28044 has 918 MA's), (325, 27873), (365, 27801), (381, 27771), (382, 27768), (398, 27723), (402, 27711), (404, 27702), (418, 27660), (448, 27558), (477, 27537), (486, 27507), (500, 27465), (516, 27417), (543, 27354), (553, 27327), (598, 27222), (603, 27213), (614, 27195), (635, 27156), (695, 26976), (705, 26928), (735, 26823), (736, 26820), (758, 26763), (765, 26742), (804, 26619), (837, 26550), (853, 26508), (854, 26505), (857, 26484), (881, 26406), (898, 26349), (903, 26337), (923, 26298), (925, 26280),

Gene: AnnaL29_46 Start: 32316, Stop: 30529, Start Num: 229

Candidate Starts for AnnaL29_46:

(Start: 229 @32316 has 918 MA's), (341, 32112), (343, 32109), (354, 32088), (365, 32073), (382, 32040), (394, 32010), (402, 31983), (408, 31962), (418, 31932), (448, 31830), (500, 31737), (516, 31689), (519, 31680), (528, 31665), (553, 31599), (588, 31518), (611, 31470), (650, 31398), (678, 31326), (695, 31245), (707, 31194), (718, 31161), (719, 31158), (735, 31092), (745, 31053), (758, 31032), (781, 30957), (811, 30867), (828, 30831), (840, 30813), (853, 30777), (857, 30753), (877, 30696), (881, 30675), (898, 30618), (903, 30606), (909, 30597),

Gene: AnnaLie_43 Start: 29896, Stop: 31770, Start Num: 229

Candidate Starts for AnnaLie_43:

(Start: 226 @29893 has 7 MA's), (Start: 229 @29896 has 918 MA's), (266, 29965), (280, 29986), (404, 30232), (418, 30274), (510, 30487), (543, 30568), (648, 30802), (683, 30925), (695, 30985), (698, 30991), (707, 31036), (714, 31051), (716, 31066), (726, 31102), (735, 31138), (764, 31231), (793, 31324), (821, 31402), (853, 31474), (861, 31513), (877, 31555), (880, 31573), (891, 31609), (898, 31633), (909, 31654),

Gene: AnnabelLee_40 Start: 28657, Stop: 26867, Start Num: 221

Candidate Starts for AnnabelLee_40:

(176, 28717), (Start: 194 @28693 has 1 MA's), (209, 28672), (221, 28657), (Start: 229 @28648 has 918 MA's), (296, 28525), (323, 28477), (395, 28339), (396, 28333), (412, 28285), (442, 28204), (443, 28198), (451, 28174), (500, 28105), (532, 28024), (543, 27997), (548, 27982), (577, 27919), (600, 27862), (614, 27838), (617, 27832), (635, 27796), (655, 27760), (682, 27688), (692, 27646), (698, 27619), (724, 27523), (729, 27499), (735, 27472), (745, 27433), (767, 27358), (789, 27289), (804, 27241), (811, 27220), (833, 27166), (839, 27151), (858, 27085), (877, 27028), (881, 27007), (882, 27004), (885, 26986), (892, 26971),

Gene: Annyong_45 Start: 31615, Stop: 29789, Start Num: 229

Candidate Starts for Annyong_45:

(Start: 229 @31615 has 918 MA's), (250, 31594), (261, 31564), (273, 31534), (365, 31372), (376, 31354), (382, 31339), (402, 31282), (404, 31273), (441, 31153), (448, 31129), (500, 31036), (517, 30988), (528, 30967), (543, 30928), (598, 30796), (611, 30775), (635, 30730), (640, 30718), (692, 30565), (695, 30544), (728, 30421), (735, 30391), (745, 30352), (765, 30286), (766, 30283), (771, 30268), (777, 30244), (786, 30220), (857, 30013), (898, 29878), (903, 29866), (909, 29857),

Gene: Anon_42 Start: 29008, Stop: 27218, Start Num: 229

Candidate Starts for Anon_42:

(Start: 229 @29008 has 918 MA's), (382, 28729), (383, 28726), (402, 28672), (418, 28621), (448, 28519), (500, 28426), (514, 28381), (516, 28378), (519, 28369), (560, 28270), (588, 28207), (598, 28180), (635, 28114), (678, 28015), (692, 27955), (695, 27934), (707, 27883), (714, 27868), (719, 27847), (723, 27838), (732, 27799), (735, 27781), (765, 27700), (771, 27682), (840, 27502), (852, 27475), (881, 27364), (898, 27307), (903, 27295), (911, 27283),

Gene: Anselm_45 Start: 31702, Stop: 29915, Start Num: 229

Candidate Starts for Anselm_45:

(Start: 229 @31702 has 918 MA's), (341, 31498), (343, 31495), (354, 31474), (365, 31459), (378, 31438), (382, 31426), (383, 31423), (394, 31396), (402, 31369), (408, 31348), (448, 31216), (500, 31123), (516, 31075), (519, 31066), (528, 31051), (553, 30985), (588, 30904), (611, 30856), (649, 30787), (678, 30712), (695, 30631), (707, 30580), (719, 30544), (735, 30478), (745, 30439), (758, 30418), (781, 30343), (792, 30313), (802, 30280), (811, 30253), (828, 30217), (837, 30205), (840, 30199), (853, 30163), (857, 30139), (881, 30061), (898, 30004), (903, 29992), (909, 29983),

Gene: Anthony_39 Start: 28917, Stop: 27130, Start Num: 229

Candidate Starts for Anthony_39:

(Start: 229 @28917 has 918 MA's), (365, 28671), (398, 28593), (402, 28581), (404, 28572), (448, 28428), (500, 28335), (512, 28296), (514, 28290), (516, 28287), (528, 28263), (566, 28167), (578, 28143), (598, 28092), (607, 28077), (614, 28065), (680, 27915), (692, 27867), (695, 27846), (705, 27798), (718, 27762), (735, 27693), (802, 27495), (804, 27489), (823, 27441), (840, 27414), (852, 27387), (881, 27276), (898, 27219), (903, 27207), (909, 27198),

Gene: Antihero_52 Start: 52983, Stop: 51160, Start Num: 189

Candidate Starts for Antihero_52:

(Start: 175 @53001 has 5 MA's), (Start: 189 @52983 has 57 MA's), (Start: 243 @52959 has 2 MA's), (253, 52932), (260, 52917), (267, 52896), (308, 52809), (368, 52704), (386, 52662), (409, 52596),

(420, 52566), (422, 52557), (425, 52554), (426, 52551), (434, 52524), (486, 52431), (493, 52413), (499, 52395), (502, 52383), (508, 52368), (512, 52356), (556, 52245), (557, 52242), (570, 52212), (586, 52176), (676, 51951), (677, 51948), (684, 51912), (690, 51888), (696, 51855), (727, 51747), (729, 51741), (731, 51735), (732, 51732), (765, 51633), (766, 51630), (771, 51615), (796, 51537), (800, 51525), (806, 51504), (808, 51495), (822, 51465), (837, 51441), (852, 51408), (857, 51375), (862, 51357), (864, 51351), (879, 51312), (882, 51294), (884, 51282), (892, 51258), (908, 51216), (911, 51210), (922, 51186),

Gene: Antoinette_39 Start: 28922, Stop: 27057, Start Num: 270

Candidate Starts for Antoinette_39:

(Start: 216 @29009 has 3 MA's), (219, 29006), (Start: 270 @28922 has 147 MA's), (Start: 276 @28913 has 5 MA's), (333, 28808), (336, 28799), (353, 28769), (355, 28766), (408, 28646), (412, 28634), (415, 28628), (449, 28523), (456, 28496), (493, 28355), (497, 28349), (498, 28346), (500, 28334), (508, 28307), (509, 28304), (514, 28289), (516, 28283), (518, 28277), (531, 28244), (602, 28115), (629, 28055), (685, 27890), (728, 27740), (731, 27731), (732, 27728), (735, 27710), (746, 27668), (748, 27662), (751, 27653), (756, 27638), (773, 27581), (820, 27422), (834, 27392), (836, 27383), (854, 27323), (858, 27299), (870, 27260), (879, 27227), (880, 27215), (896, 27155),

Gene: Antonia_60 Start: 54050, Stop: 52191, Start Num: 197

Candidate Starts for Antonia_60:

(Start: 175 @54074 has 5 MA's), (Start: 197 @54050 has 267 MA's), (Start: 231 @54026 has 5 MA's), (Start: 243 @54020 has 2 MA's), (260, 53978), (267, 53957), (316, 53843), (319, 53837), (337, 53807), (371, 53747), (381, 53726), (399, 53672), (403, 53660), (409, 53642), (413, 53630), (445, 53525), (486, 53468), (499, 53432), (502, 53420), (511, 53396), (516, 53384), (524, 53366), (531, 53348), (539, 53330), (553, 53291), (556, 53282), (557, 53279), (558, 53276), (690, 52919), (696, 52886), (702, 52865), (729, 52772), (732, 52763), (747, 52700), (765, 52664), (766, 52661), (771, 52646), (796, 52568), (800, 52556), (806, 52535), (822, 52496), (857, 52406), (862, 52388), (864, 52382), (870, 52367), (879, 52343), (881, 52328), (882, 52325), (884, 52313), (892, 52289), (911, 52241), (922, 52217),

Gene: Anubis_51 Start: 31739, Stop: 29925, Start Num: 229

Candidate Starts for Anubis_51:

(Start: 229 @31739 has 918 MA's), (255, 31700), (261, 31688), (341, 31535), (349, 31520), (382, 31463), (402, 31406), (404, 31397), (418, 31355), (432, 31304), (448, 31253), (500, 31160), (516, 31112), (519, 31103), (528, 31088), (543, 31049), (553, 31022), (566, 30992), (607, 30899), (639, 30839), (649, 30824), (695, 30668), (719, 30581), (735, 30515), (745, 30476), (766, 30404), (777, 30365), (786, 30341), (792, 30323), (802, 30290), (811, 30263), (840, 30209), (857, 30149), (881, 30071), (898, 30014), (903, 30002), (909, 29993),

Gene: Apex_54 Start: 54199, Stop: 52376, Start Num: 189

Candidate Starts for Apex_54:

(Start: 175 @54217 has 5 MA's), (Start: 189 @54199 has 57 MA's), (Start: 243 @54175 has 2 MA's), (253, 54148), (260, 54133), (267, 54112), (308, 54025), (368, 53920), (386, 53878), (409, 53812), (420, 53782), (422, 53773), (425, 53770), (426, 53767), (434, 53740), (486, 53647), (493, 53629), (499, 53611), (502, 53599), (508, 53584), (512, 53572), (539, 53509), (553, 53470), (556, 53461), (557, 53458), (570, 53428), (586, 53392), (676, 53167), (677, 53164), (684, 53128), (690, 53104), (696, 53071), (727, 52963), (729, 52957), (732, 52948), (765, 52849), (766, 52846), (771, 52831), (796, 52753), (800, 52741), (806, 52720), (808, 52711), (822, 52681), (852, 52624), (857, 52591), (864, 52567), (879, 52528), (882, 52510), (884, 52498), (892, 52474), (908, 52432), (911, 52426), (922, 52402),

Gene: Apizium_60 Start: 53711, Stop: 51852, Start Num: 197

Candidate Starts for Apizium_60:

(Start: 175 @53735 has 5 MA's), (Start: 197 @53711 has 267 MA's), (Start: 231 @53687 has 5 MA's), (Start: 243 @53681 has 2 MA's), (260, 53639), (267, 53618), (316, 53504), (319, 53498), (337, 53468), (371, 53408), (381, 53387), (399, 53333), (403, 53321), (409, 53303), (413, 53291), (445, 53186), (486, 53129), (499, 53093), (502, 53081), (512, 53054), (516, 53045), (531, 53009), (553, 52952), (556, 52943), (557, 52940), (558, 52937), (664, 52682), (690, 52580), (696, 52547), (702, 52526), (729, 52433), (732, 52424), (747, 52361), (765, 52325), (766, 52322), (771, 52307), (796, 52229), (800, 52217), (806, 52196), (822, 52157), (857, 52067), (862, 52049), (864, 52043), (870, 52028), (879, 52004), (881, 51989), (882, 51986), (884, 51974), (892, 51950), (898, 51929), (911, 51902), (922, 51878),

Gene: AppleCloud_34 Start: 28055, Stop: 26271, Start Num: 229

Candidate Starts for AppleCloud_34:

(Start: 229 @28055 has 918 MA's), (325, 27884), (361, 27821), (381, 27782), (382, 27779), (398, 27734), (402, 27722), (404, 27713), (417, 27674), (448, 27569), (500, 27476), (516, 27428), (543, 27365), (553, 27338), (598, 27233), (614, 27206), (635, 27167), (695, 26987), (705, 26939), (735, 26834), (736, 26831), (758, 26774), (765, 26753), (779, 26705), (804, 26630), (837, 26561), (853, 26519), (854, 26516), (857, 26495), (861, 26480), (881, 26417), (898, 26360), (903, 26348), (923, 26309), (925, 26291),

Gene: Applejack_40 Start: 31240, Stop: 29414, Start Num: 229

Candidate Starts for Applejack_40:

(Start: 229 @31240 has 918 MA's), (347, 31027), (394, 30934), (400, 30913), (402, 30907), (404, 30898), (440, 30781), (448, 30754), (500, 30661), (504, 30646), (516, 30613), (539, 30562), (540, 30559), (566, 30493), (580, 30463), (592, 30433), (614, 30388), (635, 30349), (695, 30169), (705, 30121), (719, 30082), (735, 30016), (745, 29977), (758, 29956), (765, 29935), (771, 29917), (792, 29851), (853, 29701), (854, 29698), (861, 29662), (870, 29638), (874, 29629), (878, 29617), (883, 29590), (898, 29542), (909, 29521),

Gene: Aragog_37 Start: 30134, Stop: 28275, Start Num: 229

Candidate Starts for Aragog_37:

(Start: 229 @30134 has 918 MA's), (261, 30083), (296, 30023), (327, 29960), (341, 29930), (343, 29927), (378, 29870), (382, 29858), (394, 29828), (402, 29801), (448, 29648), (500, 29552), (516, 29504), (527, 29483), (550, 29420), (553, 29414), (586, 29342), (598, 29309), (607, 29294), (614, 29282), (664, 29183), (695, 29048), (704, 29018), (705, 29000), (714, 28982), (719, 28961), (723, 28952), (735, 28895), (745, 28856), (765, 28814), (771, 28796), (786, 28748), (802, 28697), (823, 28643), (828, 28634), (840, 28616), (857, 28556), (862, 28538), (891, 28445), (898, 28421), (903, 28409), (953, 28292), (955, 28289),

Gene: AranulaLuti_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for AranulaLuti_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: Arbiter_56 Start: 52589, Stop: 50760, Start Num: 189

Candidate Starts for Arbiter_56:

(Start: 189 @52589 has 57 MA's), (Start: 243 @52562 has 2 MA's), (254, 52532), (260, 52520), (271, 52493), (273, 52490), (278, 52481), (298, 52463), (343, 52367), (371, 52316), (382, 52292), (434, 52130), (442, 52106), (445, 52094), (486, 52037), (499, 52001), (502, 51989), (511, 51965), (546,

51881), (556, 51851), (557, 51848), (570, 51818), (633, 51674), (659, 51608), (676, 51557), (679, 51536), (684, 51518), (696, 51461), (715, 51404), (723, 51377), (729, 51347), (732, 51338), (747, 51272), (763, 51245), (765, 51236), (771, 51218), (777, 51194), (796, 51140), (800, 51128), (806, 51107), (840, 51038), (857, 50978), (862, 50960), (875, 50927), (879, 50915), (881, 50900), (882, 50897), (884, 50885), (892, 50861), (893, 50858), (911, 50810), (912, 50807), (922, 50786), (925, 50765),

Gene: Arcanine_46 Start: 34538, Stop: 32751, Start Num: 229

Candidate Starts for Arcanine_46:

(Start: 229 @34538 has 918 MA's), (347, 34325), (354, 34310), (394, 34232), (400, 34211), (402, 34205), (404, 34196), (440, 34079), (448, 34052), (500, 33959), (504, 33944), (516, 33911), (539, 33860), (540, 33857), (566, 33791), (580, 33761), (592, 33731), (614, 33686), (635, 33647), (695, 33467), (705, 33419), (719, 33380), (735, 33314), (763, 33242), (765, 33233), (792, 33149), (823, 33062), (870, 32936), (875, 32924), (898, 32840), (901, 32834),

Gene: ArcherNM_42 Start: 31769, Stop: 29982, Start Num: 229

Candidate Starts for ArcherNM_42:

(Start: 229 @31769 has 918 MA's), (341, 31565), (343, 31562), (347, 31556), (354, 31541), (365, 31526), (382, 31493), (383, 31490), (394, 31463), (402, 31436), (408, 31415), (418, 31385), (448, 31283), (500, 31190), (516, 31142), (519, 31133), (528, 31118), (553, 31052), (588, 30971), (611, 30923), (614, 30917), (678, 30779), (695, 30698), (707, 30647), (718, 30614), (719, 30611), (735, 30545), (745, 30506), (758, 30485), (781, 30410), (802, 30347), (811, 30320), (828, 30284), (840, 30266), (853, 30230), (857, 30206), (877, 30149), (881, 30128), (898, 30071), (903, 30059), (909, 30050),

Gene: Archetta_38 Start: 30664, Stop: 28820, Start Num: 229

Candidate Starts for Archetta_38:

(Start: 229 @30664 has 918 MA's), (261, 30613), (296, 30553), (327, 30490), (341, 30460), (343, 30457), (378, 30400), (382, 30388), (394, 30358), (402, 30331), (432, 30229), (437, 30214), (448, 30178), (489, 30118), (500, 30082), (516, 30034), (550, 29950), (553, 29944), (586, 29872), (598, 29839), (607, 29824), (614, 29812), (664, 29713), (695, 29578), (704, 29548), (705, 29530), (707, 29527), (719, 29491), (723, 29482), (726, 29461), (729, 29452), (735, 29425), (736, 29422), (758, 29365), (765, 29344), (802, 29227), (823, 29173), (828, 29164), (840, 29146), (862, 29068), (880, 29011), (891, 28975), (898, 28951), (903, 28939),

Gene: Ares_57 Start: 52561, Stop: 50732, Start Num: 189

Candidate Starts for Ares_57:

(Start: 189 @52561 has 57 MA's), (Start: 243 @52534 has 2 MA's), (254, 52504), (260, 52492), (271, 52465), (273, 52462), (278, 52453), (298, 52435), (343, 52339), (371, 52288), (382, 52264), (391, 52240), (434, 52102), (442, 52078), (445, 52066), (486, 52009), (499, 51973), (502, 51961), (511, 51937), (546, 51853), (556, 51823), (557, 51820), (570, 51790), (633, 51646), (659, 51580), (673, 51541), (676, 51529), (679, 51508), (684, 51490), (696, 51433), (715, 51376), (723, 51349), (729, 51319), (732, 51310), (747, 51244), (763, 51217), (765, 51208), (771, 51190), (777, 51166), (796, 51112), (800, 51100), (806, 51079), (840, 51010), (857, 50950), (862, 50932), (875, 50899), (879, 50887), (881, 50872), (882, 50869), (884, 50857), (892, 50833), (893, 50830), (911, 50782), (912, 50779), (922, 50758), (925, 50737),

Gene: Arissanae_44 Start: 32041, Stop: 30248, Start Num: 229

Candidate Starts for Arissanae_44:

(Start: 229 @32041 has 918 MA's), (Start: 244 @32032 has 1 MA's), (311, 31903), (341, 31837), (350, 31819), (365, 31795), (383, 31759), (394, 31732), (398, 31717), (402, 31705), (418, 31654), (447, 31555), (448, 31552), (500, 31459), (507, 31435), (566, 31291), (608, 31195), (640, 31132), (666, 31093), (668, 31087), (695, 30964), (728, 30841), (735, 30811), (745, 30772), (763, 30739), (765,

30730), (771, 30712), (802, 30613), (828, 30550), (837, 30538), (852, 30505), (853, 30496), (881, 30394), (898, 30337), (903, 30325), (909, 30316),

Gene: Arlo_42 Start: 34069, Stop: 32243, Start Num: 229

Candidate Starts for Arlo_42:

(Start: 229 @34069 has 918 MA's), (347, 33856), (382, 33793), (394, 33763), (400, 33742), (402, 33736), (404, 33727), (440, 33610), (448, 33583), (500, 33490), (504, 33475), (539, 33391), (540, 33388), (566, 33322), (580, 33292), (592, 33262), (614, 33217), (635, 33178), (695, 32998), (705, 32950), (719, 32911), (735, 32845), (745, 32806), (758, 32785), (765, 32764), (771, 32746), (792, 32680), (853, 32530), (854, 32527), (861, 32491), (870, 32467), (874, 32458), (878, 32446), (898, 32371), (909, 32350),

Gene: Armstrong_40 Start: 27439, Stop: 29307, Start Num: 226

Candidate Starts for Armstrong_40:

(Start: 226 @27439 has 7 MA's), (Start: 229 @27442 has 918 MA's), (232, 27445), (266, 27514), (409, 27796), (418, 27823), (437, 27877), (512, 28042), (543, 28117), (550, 28138), (683, 28492), (695, 28552), (707, 28603), (726, 28669), (735, 28705), (764, 28798), (821, 28969), (853, 29041), (877, 29122), (897, 29197), (898, 29200), (909, 29221), (937, 29290),

Gene: Arroyo_43 Start: 30004, Stop: 31878, Start Num: 229

Candidate Starts for Arroyo_43:

(Start: 229 @30004 has 918 MA's), (266, 30073), (280, 30094), (404, 30340), (409, 30355), (418, 30382), (543, 30676), (598, 30811), (648, 30910), (683, 31033), (695, 31093), (698, 31099), (707, 31144), (714, 31159), (716, 31174), (726, 31210), (735, 31246), (764, 31339), (793, 31432), (821, 31510), (853, 31582), (861, 31621), (877, 31663), (880, 31681), (891, 31717), (898, 31741), (909, 31762),

Gene: Artemis2UCLA_45 Start: 29324, Stop: 27483, Start Num: 229

Candidate Starts for Artemis2UCLA_45:

(Start: 203 @29354 has 1 MA's), (Start: 229 @29324 has 918 MA's), (341, 29120), (382, 29045), (383, 29042), (394, 29015), (398, 29000), (402, 28988), (418, 28937), (444, 28847), (448, 28835), (500, 28742), (512, 28703), (519, 28685), (528, 28670), (553, 28604), (567, 28571), (569, 28568), (615, 28466), (649, 28406), (678, 28322), (695, 28241), (718, 28157), (719, 28154), (723, 28145), (728, 28118), (735, 28088), (758, 28028), (771, 27989), (853, 27773), (854, 27770), (857, 27749), (898, 27614), (903, 27602), (909, 27593), (911, 27590), (947, 27497),

Gene: Arturo_44 Start: 31826, Stop: 30000, Start Num: 229

Candidate Starts for Arturo_44:

(Start: 229 @31826 has 918 MA's), (250, 31805), (261, 31775), (273, 31745), (365, 31583), (376, 31565), (402, 31493), (404, 31484), (441, 31364), (448, 31340), (500, 31247), (517, 31199), (543, 31139), (598, 31007), (611, 30986), (635, 30941), (640, 30929), (692, 30776), (695, 30755), (728, 30632), (735, 30602), (745, 30563), (765, 30497), (766, 30494), (771, 30479), (777, 30455), (786, 30431), (857, 30224), (898, 30089), (903, 30077), (909, 30068),

Gene: Asa16_39 Start: 30354, Stop: 32219, Start Num: 229

Candidate Starts for Asa16_39:

(Start: 229 @30354 has 918 MA's), (260, 30402), (364, 30585), (368, 30591), (394, 30651), (400, 30672), (421, 30741), (504, 30957), (540, 31047), (543, 31056), (548, 31071), (567, 31116), (611, 31209), (669, 31347), (695, 31467), (704, 31497), (719, 31554), (733, 31611), (735, 31620), (741, 31644), (764, 31713), (786, 31785), (789, 31794), (825, 31893), (853, 31956), (898, 32115), (902, 32124),

Gene: Ascela_41 Start: 29607, Stop: 31472, Start Num: 229

Candidate Starts for Ascela_41:

(Start: 229 @29607 has 918 MA's), (260, 29655), (347, 29820), (394, 29904), (421, 29994), (501, 30201), (504, 30210), (540, 30300), (543, 30309), (548, 30324), (611, 30462), (669, 30600), (695, 30720), (704, 30750), (719, 30807), (735, 30873), (764, 30966), (786, 31038), (898, 31368), (902, 31377),

Gene: Ashballe_46 Start: 35324, Stop: 33498, Start Num: 229

Candidate Starts for Ashballe_46:

(Start: 229 @35324 has 918 MA's), (347, 35111), (354, 35096), (394, 35018), (400, 34997), (402, 34991), (404, 34982), (440, 34865), (448, 34838), (500, 34745), (504, 34730), (516, 34697), (539, 34646), (540, 34643), (566, 34577), (580, 34547), (592, 34517), (614, 34472), (635, 34433), (695, 34253), (705, 34205), (719, 34166), (735, 34100), (745, 34061), (758, 34040), (765, 34019), (771, 34001), (792, 33935), (853, 33785), (854, 33782), (861, 33746), (870, 33722), (874, 33713), (878, 33701), (883, 33674), (898, 33626), (909, 33605),

Gene: Ashes_45 Start: 27734, Stop: 29716, Start Num: 229

Candidate Starts for Ashes_45:

(Start: 229 @27734 has 918 MA's), (327, 27908), (341, 27938), (368, 27971), (383, 28004), (408, 28079), (417, 28106), (447, 28208), (483, 28307), (543, 28481), (553, 28508), (611, 28637), (669, 28775), (689, 28862), (695, 28895), (704, 28925), (719, 28982), (735, 29048), (764, 29141), (791, 29228), (857, 29408), (864, 29432), (898, 29543), (944, 29651),

Gene: Ashraf_62 Start: 54257, Stop: 52398, Start Num: 197

Candidate Starts for Ashraf_62:

(Start: 175 @54281 has 5 MA's), (Start: 197 @54257 has 267 MA's), (Start: 231 @54233 has 5 MA's), (Start: 243 @54227 has 2 MA's), (260, 54185), (267, 54164), (316, 54050), (319, 54044), (337, 54014), (371, 53954), (381, 53933), (399, 53879), (403, 53867), (409, 53849), (413, 53837), (445, 53732), (486, 53675), (499, 53639), (502, 53627), (511, 53603), (516, 53591), (524, 53573), (531, 53555), (539, 53537), (553, 53498), (556, 53489), (557, 53486), (558, 53483), (664, 53228), (690, 53126), (696, 53093), (702, 53072), (729, 52979), (732, 52970), (747, 52907), (765, 52871), (766, 52868), (771, 52853), (796, 52775), (800, 52763), (806, 52742), (822, 52703), (857, 52613), (862, 52595), (864, 52589), (870, 52574), (879, 52550), (881, 52535), (882, 52532), (884, 52520), (892, 52496), (898, 52475), (911, 52448), (922, 52424),

Gene: Asta_38 Start: 28632, Stop: 26767, Start Num: 270

Candidate Starts for Asta_38:

(Start: 216 @28719 has 3 MA's), (Start: 270 @28632 has 147 MA's), (Start: 276 @28623 has 5 MA's), (333, 28518), (336, 28509), (353, 28479), (355, 28476), (408, 28356), (412, 28344), (415, 28338), (449, 28233), (456, 28206), (493, 28065), (497, 28059), (498, 28056), (500, 28044), (508, 28017), (509, 28014), (514, 27999), (516, 27993), (518, 27987), (531, 27954), (602, 27825), (629, 27765), (728, 27450), (731, 27441), (732, 27438), (735, 27420), (746, 27378), (748, 27372), (756, 27348), (773, 27291), (820, 27132), (834, 27102), (836, 27093), (854, 27033), (858, 27009), (870, 26970), (879, 26937), (880, 26925), (896, 26865),

Gene: Astro_42 Start: 30542, Stop: 28698, Start Num: 229

Candidate Starts for Astro_42:

(128, 30707), (Start: 229 @30542 has 918 MA's), (261, 30491), (327, 30368), (341, 30338), (365, 30299), (382, 30266), (394, 30236), (400, 30215), (402, 30209), (404, 30200), (418, 30158), (432, 30107), (447, 30059), (448, 30056), (500, 29960), (508, 29933), (514, 29915), (516, 29912), (519, 29903), (543, 29849), (553, 29822), (576, 29774), (598, 29717), (614, 29690), (640, 29639), (650, 29624), (692, 29477), (695, 29456), (704, 29426), (705, 29408), (707, 29405), (714, 29390), (719, 29369), (723, 29360), (728, 29333), (732, 29321), (735, 29303), (765, 29222), (769, 29210), (786, 29156), (798, 29120), (808, 29084), (823, 29051), (837, 29030), (840, 29024), (854, 28985), (857,

28964), (862, 28946), (898, 28829), (903, 28817),

Gene: Athena_60 Start: 54420, Stop: 52603, Start Num: 238

Candidate Starts for Athena_60:

(124, 54603), (Start: 238 @54420 has 44 MA's), (253, 54390), (347, 54210), (408, 54057), (412, 54045), (422, 54015), (426, 54009), (445, 53946), (447, 53940), (486, 53889), (499, 53853), (516, 53805), (557, 53700), (596, 53604), (627, 53553), (676, 53409), (684, 53370), (691, 53340), (696, 53313), (700, 53301), (727, 53205), (729, 53199), (732, 53190), (734, 53178), (759, 53106), (765, 53076), (771, 53058), (773, 53049), (796, 52980), (800, 52968), (806, 52947), (840, 52878), (849, 52863), (854, 52839), (857, 52818), (864, 52794), (879, 52755), (882, 52737), (884, 52725), (888, 52713), (892, 52701), (908, 52659), (922, 52629),

Gene: Atkinbua_46 Start: 34825, Stop: 32999, Start Num: 229

Candidate Starts for Atkinbua_46:

(Start: 229 @34825 has 918 MA's), (347, 34612), (394, 34519), (400, 34498), (402, 34492), (404, 34483), (440, 34366), (448, 34339), (500, 34246), (504, 34231), (539, 34147), (540, 34144), (566, 34078), (580, 34048), (592, 34018), (614, 33973), (635, 33934), (695, 33754), (705, 33706), (719, 33667), (735, 33601), (745, 33562), (758, 33541), (765, 33520), (771, 33502), (792, 33436), (853, 33286), (854, 33283), (861, 33247), (874, 33214), (878, 33202), (898, 33127), (909, 33106),

Gene: Attoomi_34 Start: 26889, Stop: 28748, Start Num: 229

Candidate Starts for Attoomi_34:

(185, 26838), (Start: 229 @26889 has 918 MA's), (343, 27099), (354, 27120), (371, 27144), (399, 27216), (404, 27234), (408, 27246), (425, 27306), (437, 27342), (450, 27384), (501, 27474), (514, 27513), (528, 27546), (537, 27567), (543, 27585), (548, 27600), (553, 27612), (562, 27633), (581, 27672), (588, 27690), (592, 27699), (598, 27717), (600, 27720), (611, 27738), (635, 27783), (643, 27801), (646, 27807), (648, 27816), (664, 27861), (679, 27924), (680, 27927), (698, 28002), (716, 28077), (723, 28092), (725, 28107), (727, 28116), (735, 28149), (750, 28203), (786, 28314), (789, 28323), (837, 28443), (852, 28476), (858, 28512), (895, 28632), (898, 28644), (901, 28650), (943, 28740),

Gene: Atuin_96 Start: 78424, Stop: 80142, Start Num: 280

Candidate Starts for Atuin_96:

(246, 78349), (266, 78403), (271, 78412), (280, 78424), (396, 78643), (403, 78661), (412, 78688), (415, 78694), (451, 78799), (532, 78946), (543, 78973), (548, 78988), (572, 79042), (668, 79243), (675, 79270), (682, 79303), (692, 79342), (695, 79363), (698, 79369), (726, 79486), (744, 79570), (745, 79573), (764, 79636), (767, 79648), (777, 79684), (789, 79717), (806, 79771), (812, 79789), (853, 79894), (858, 79921), (862, 79936), (875, 79969), (877, 79975), (880, 79993), (883, 80005), (885, 80017), (886, 80020), (898, 80053), (924, 80104),

Gene: Aubergine_38 Start: 28632, Stop: 26767, Start Num: 270

Candidate Starts for Aubergine_38:

(Start: 216 @28719 has 3 MA's), (219, 28716), (Start: 270 @28632 has 147 MA's), (Start: 276 @28623 has 5 MA's), (333, 28518), (336, 28509), (353, 28479), (355, 28476), (408, 28356), (412, 28344), (415, 28338), (449, 28233), (456, 28206), (493, 28065), (497, 28059), (498, 28056), (500, 28044), (508, 28017), (509, 28014), (514, 27999), (516, 27993), (518, 27987), (531, 27954), (602, 27825), (629, 27765), (728, 27450), (731, 27441), (732, 27438), (735, 27420), (746, 27378), (748, 27372), (751, 27363), (756, 27348), (773, 27291), (820, 27132), (834, 27102), (836, 27093), (854, 27033), (858, 27009), (870, 26970), (879, 26937), (880, 26925), (896, 26865),

Gene: Audrey_58 Start: 53676, Stop: 51859, Start Num: 238

Candidate Starts for Audrey_58:

(124, 53859), (Start: 238 @53676 has 44 MA's), (253, 53646), (347, 53466), (408, 53313), (412, 53301), (422, 53271), (426, 53265), (445, 53202), (447, 53196), (486, 53145), (499, 53109), (516, 53061), (557, 52956), (596, 52860), (627, 52809), (676, 52665), (684, 52626), (691, 52596), (696, 52569), (700, 52557), (727, 52461), (729, 52455), (732, 52446), (734, 52434), (759, 52362), (765, 52332), (771, 52314), (773, 52305), (796, 52236), (800, 52224), (806, 52203), (840, 52134), (849, 52119), (854, 52095), (857, 52074), (864, 52050), (879, 52011), (882, 51993), (884, 51981), (888, 51969), (892, 51957), (908, 51915), (922, 51885),

Gene: AugsMagnumOpus_51 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for AugsMagnumOpus_51:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614, 30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: Austelle_54 Start: 54652, Stop: 52829, Start Num: 189

Candidate Starts for Austelle_54:

(Start: 175 @54670 has 5 MA's), (Start: 189 @54652 has 57 MA's), (Start: 243 @54628 has 2 MA's), (253, 54601), (260, 54586), (267, 54565), (308, 54478), (368, 54373), (386, 54331), (409, 54265), (420, 54235), (422, 54226), (425, 54223), (426, 54220), (434, 54193), (486, 54100), (493, 54082), (499, 54064), (502, 54052), (508, 54037), (512, 54025), (539, 53962), (553, 53923), (556, 53914), (557, 53911), (570, 53881), (586, 53845), (676, 53620), (677, 53617), (684, 53581), (690, 53557), (696, 53524), (727, 53416), (729, 53410), (732, 53401), (765, 53302), (766, 53299), (771, 53284), (796, 53206), (800, 53194), (806, 53173), (808, 53164), (822, 53134), (840, 53104), (852, 53077), (857, 53044), (864, 53020), (879, 52981), (882, 52963), (884, 52951), (892, 52927), (908, 52885), (911, 52879), (922, 52855),

Gene: AvGardian_44 Start: 29897, Stop: 31789, Start Num: 229

Candidate Starts for AvGardian_44:

(Start: 229 @29897 has 918 MA's), (266, 29966), (280, 29987), (397, 30209), (404, 30233), (408, 30245), (409, 30248), (516, 30503), (543, 30569), (648, 30821), (683, 30944), (690, 30974), (695, 31004), (698, 31010), (707, 31055), (716, 31085), (726, 31121), (729, 31130), (735, 31157), (764, 31250), (793, 31343), (821, 31421), (822, 31424), (853, 31493), (857, 31517), (861, 31532), (877, 31574), (898, 31652), (909, 31673), (911, 31676), (920, 31697),

Gene: AvatarAhPeg_44 Start: 32048, Stop: 30219, Start Num: 229

Candidate Starts for AvatarAhPeg_44:

(Start: 229 @32048 has 918 MA's), (261, 31997), (365, 31805), (376, 31787), (402, 31715), (404, 31706), (441, 31586), (448, 31562), (500, 31469), (517, 31421), (528, 31400), (543, 31361), (560, 31316), (564, 31310), (598, 31229), (603, 31220), (611, 31208), (635, 31163), (640, 31151), (695, 30977), (723, 30881), (728, 30854), (729, 30851), (735, 30824), (745, 30785), (765, 30716), (766, 30713), (771, 30698), (777, 30674), (786, 30650), (788, 30644), (857, 30443), (898, 30308), (903, 30296), (909, 30287),

Gene: Avle17_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Avle17_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Avocadoman_41 Start: 29025, Stop: 30899, Start Num: 229

Candidate Starts for Avocadoman_41:

(Start: 229 @29025 has 918 MA's), (280, 29115), (404, 29361), (409, 29376), (418, 29403), (543, 29697), (598, 29832), (648, 29931), (683, 30054), (695, 30114), (698, 30120), (707, 30165), (714, 30180), (716, 30195), (726, 30231), (735, 30267), (764, 30360), (793, 30453), (821, 30531), (853, 30603), (861, 30642), (877, 30684), (880, 30702), (891, 30738), (898, 30762), (909, 30783),

Gene: AxiPup_39 Start: 28904, Stop: 27039, Start Num: 270

Candidate Starts for AxiPup_39:

(Start: 216 @28991 has 3 MA's), (219, 28988), (Start: 270 @28904 has 147 MA's), (Start: 276 @28895 has 5 MA's), (333, 28790), (336, 28781), (353, 28751), (355, 28748), (408, 28628), (412, 28616), (415, 28610), (449, 28505), (456, 28478), (493, 28337), (497, 28331), (498, 28328), (500, 28316), (508, 28289), (509, 28286), (514, 28271), (516, 28265), (518, 28259), (531, 28226), (602, 28097), (629, 28037), (661, 27962), (728, 27722), (731, 27713), (732, 27710), (735, 27692), (746, 27650), (748, 27644), (751, 27635), (756, 27620), (773, 27563), (820, 27404), (834, 27374), (836, 27365), (854, 27305), (858, 27281), (870, 27242), (879, 27209), (880, 27197), (896, 27137),

Gene: Axumite_51 Start: 45981, Stop: 44164, Start Num: 236

Candidate Starts for Axumite_51:

(75, 46302), (81, 46278), (Start: 236 @45981 has 14 MA's), (253, 45945), (260, 45930), (273, 45900), (334, 45774), (395, 45651), (399, 45636), (413, 45594), (445, 45498), (499, 45405), (549, 45276), (557, 45252), (679, 44940), (684, 44922), (696, 44865), (729, 44751), (732, 44742), (747, 44679), (766, 44640), (771, 44625), (796, 44547), (800, 44535), (806, 44514), (808, 44505), (852, 44418), (858, 44382), (861, 44370), (876, 44331), (879, 44322), (881, 44307), (892, 44262), (911, 44214), (922, 44190),

Gene: Axym_42 Start: 32451, Stop: 30058, Start Num: 32

Candidate Starts for Axym_42:

(Start: 32 @32451 has 16 MA's), (42, 32445), (Start: 55 @32397 has 1 MA's), (66, 32355), (76, 32331), (116, 32205), (121, 32181), (156, 32136), (186, 32085), (198, 32070), (211, 32049), (251, 32001), (266, 31959), (311, 31884), (315, 31872), (352, 31803), (368, 31776), (371, 31770), (379, 31755), (398, 31701), (399, 31698), (405, 31680), (412, 31659), (432, 31599), (469, 31476), (470, 31470), (489, 31401), (500, 31359), (547, 31272), (570, 31248), (586, 31242), (594, 31218), (599, 31209), (606, 31194), (612, 31182), (633, 31140), (634, 31137), (635, 31134), (685, 30987), (701, 30918), (702, 30912), (712, 30876), (735, 30783), (744, 30747), (746, 30741), (748, 30735), (750, 30729), (766, 30672), (773, 30648), (783, 30603), (895, 30225), (896, 30222), (910, 30177), (914, 30168), (935, 30108),

Gene: Azira_40 Start: 32021, Stop: 29664, Start Num: 39

Candidate Starts for Azira_40:

(37, 32030), (Start: 39 @32021 has 23 MA's), (46, 32006), (53, 31970), (101, 31835), (121, 31772), (154, 31730), (160, 31718), (Start: 234 @31616 has 1 MA's), (Start: 243 @31613 has 2 MA's), (274, 31538), (298, 31499), (311, 31478), (340, 31427), (363, 31385), (379, 31355), (398, 31301), (405, 31280), (412, 31259), (433, 31196), (472, 31061), (476, 31046), (483, 31019), (489, 31001), (513, 30917), (544, 30881), (612, 30788), (633, 30746), (634, 30743), (635, 30740), (650, 30716), (655, 30704), (659, 30692), (693, 30551), (701, 30524), (735, 30389), (744, 30353), (746, 30347), (748, 30341), (750, 30335), (757, 30311), (766, 30278), (773, 30254), (783, 30209), (785, 30203), (803, 30143), (844, 30035), (860, 29966), (863, 29954), (871, 29930), (888, 29852), (896, 29828), (920, 29759),

Gene: B1_42 Start: 30729, Stop: 28891, Start Num: 229

Candidate Starts for B1_42:

(173, 30801), (Start: 229 @30729 has 918 MA's), (261, 30678), (341, 30525), (365, 30486), (382, 30453), (402, 30396), (404, 30387), (408, 30375), (441, 30267), (448, 30243), (500, 30147), (517, 30099), (543, 30039), (598, 29907), (611, 29886), (649, 29817), (668, 29772), (678, 29730), (695, 29649), (719, 29562), (728, 29526), (735, 29496), (766, 29385), (777, 29346), (786, 29322), (792, 29304), (837, 29181), (840, 29175), (857, 29115), (897, 28983), (898, 28980), (903, 28968), (909, 28959),

Gene: BABullseye_43 Start: 29170, Stop: 27329, Start Num: 229

Candidate Starts for BABullseye_43:

(Start: 229 @29170 has 918 MA's), (341, 28966), (382, 28891), (383, 28888), (394, 28861), (398, 28846), (402, 28834), (418, 28783), (444, 28693), (448, 28681), (500, 28588), (512, 28549), (519, 28531), (528, 28516), (553, 28450), (567, 28417), (569, 28414), (615, 28312), (649, 28252), (678, 28168), (695, 28087), (718, 28003), (719, 28000), (723, 27991), (728, 27964), (735, 27934), (758, 27874), (771, 27835), (853, 27619), (854, 27616), (857, 27595), (898, 27460), (903, 27448), (909, 27439), (911, 27436), (947, 27343),

Gene: BAjuniper_43 Start: 30818, Stop: 32689, Start Num: 229

Candidate Starts for BAjuniper_43:

(Start: 229 @30818 has 918 MA's), (280, 30908), (327, 30995), (341, 31025), (404, 31154), (526, 31445), (543, 31490), (548, 31505), (588, 31598), (683, 31844), (695, 31904), (707, 31955), (714, 31970), (726, 32021), (729, 32030), (735, 32057), (764, 32150), (786, 32222), (793, 32243), (821, 32321), (822, 32324), (853, 32393), (877, 32474), (879, 32480), (891, 32528), (898, 32552), (909, 32573), (920, 32597),

Gene: BFK20_ORF44 Start: 37992, Stop: 36088, Start Num: 197

Candidate Starts for BFK20_ORF44:

(Start: 197 @37992 has 267 MA's), (250, 37932), (260, 37905), (267, 37881), (271, 37875), (294, 37833), (303, 37800), (318, 37758), (324, 37743), (340, 37710), (343, 37704), (394, 37599), (399, 37581), (408, 37557), (413, 37542), (418, 37530), (439, 37461), (484, 37392), (491, 37374), (499, 37350), (508, 37323), (557, 37194), (558, 37191), (570, 37164), (618, 37068), (623, 37056), (626, 37050), (682, 36873), (696, 36807), (729, 36690), (767, 36576), (771, 36564), (783, 36522), (786, 36516), (792, 36498), (796, 36486), (800, 36474), (806, 36453), (823, 36411), (835, 36393), (848, 36357), (858, 36306), (879, 36246), (892, 36192), (898, 36171), (922, 36114),

Gene: BK1_41 Start: 33551, Stop: 31725, Start Num: 229

Candidate Starts for BK1_41:

(Start: 229 @33551 has 918 MA's), (347, 33338), (354, 33323), (382, 33275), (394, 33245), (400, 33224), (402, 33218), (404, 33209), (429, 33125), (432, 33116), (440, 33092), (448, 33065), (500, 32972), (504, 32957), (511, 32936), (516, 32924), (539, 32873), (540, 32870), (560, 32816), (566, 32804), (580, 32774), (592, 32744), (614, 32699), (635, 32660), (695, 32480), (705, 32432), (719, 32393), (735, 32327), (745, 32288), (758, 32267), (765, 32246), (771, 32228), (792, 32162), (853, 32012), (854, 32009), (861, 31973), (870, 31949), (874, 31940), (878, 31928), (898, 31853), (909, 31832),

Gene: BPBiebs31_45 Start: 34673, Stop: 32844, Start Num: 229

Candidate Starts for BPBiebs31_45:

(Start: 229 @34673 has 918 MA's), (347, 34460), (382, 34397), (394, 34367), (400, 34346), (402, 34340), (404, 34331), (440, 34214), (448, 34187), (500, 34094), (504, 34079), (539, 33995), (540, 33992), (566, 33926), (580, 33896), (592, 33866), (614, 33821), (635, 33782), (695, 33602), (705, 33554), (723, 33506), (732, 33467), (735, 33449), (745, 33410), (758, 33389), (765, 33368), (770, 33353), (808, 33230), (875, 33059), (880, 33035), (895, 32987), (898, 32975), (909, 32954), (912, 32948), (928, 32900), (935, 32885),

Gene: BRock_133 Start: 70485, Stop: 72557, Start Num: 252

Candidate Starts for BRock_133:

(Start: 218 @70437 has 13 MA's), (Start: 229 @70449 has 918 MA's), (237, 70458), (Start: 240 @70461 has 1 MA's), (Start: 252 @70485 has 4 MA's), (292, 70575), (307, 70626), (310, 70629), (314, 70641), (329, 70674), (402, 70845), (415, 70884), (424, 70920), (480, 71040), (494, 71094), (496, 71097), (543, 71229), (545, 71235), (550, 71250), (567, 71301), (697, 71685), (722, 71802), (725, 71820), (745, 71916), (749, 71928), (761, 71982), (777, 72042), (780, 72051), (783, 72060), (798, 72102), (827, 72186), (832, 72204), (837, 72219), (845, 72246), (861, 72318), (862, 72321), (898, 72465), (919, 72519),

Gene: Baby16_45 Start: 31581, Stop: 29755, Start Num: 229

Candidate Starts for Baby16_45:

(Start: 229 @31581 has 918 MA's), (250, 31560), (261, 31530), (273, 31500), (365, 31338), (376, 31320), (402, 31248), (404, 31239), (441, 31119), (448, 31095), (500, 31002), (517, 30954), (528, 30933), (543, 30894), (598, 30762), (611, 30741), (635, 30696), (640, 30684), (692, 30531), (695, 30510), (728, 30387), (735, 30357), (745, 30318), (765, 30252), (766, 30249), (771, 30234), (777, 30210), (786, 30186), (857, 29979), (898, 29844), (903, 29832), (909, 29823),

Gene: BabyBack_43 Start: 31842, Stop: 30049, Start Num: 229

Candidate Starts for BabyBack_43:

(115, 32046), (Start: 229 @31842 has 918 MA's), (382, 31563), (383, 31560), (394, 31533), (398, 31518), (402, 31506), (404, 31497), (444, 31365), (448, 31353), (500, 31260), (516, 31212), (519, 31203), (528, 31188), (553, 31122), (575, 31077), (588, 31041), (695, 30765), (718, 30681), (728, 30642), (735, 30612), (745, 30573), (763, 30540), (765, 30531), (853, 30297), (881, 30195), (898, 30138), (903, 30126), (909, 30117),

Gene: BabyDaisy_42 Start: 29859, Stop: 31733, Start Num: 229

Candidate Starts for BabyDaisy_42:

(Start: 226 @29856 has 7 MA's), (Start: 229 @29859 has 918 MA's), (266, 29928), (280, 29949), (404, 30195), (437, 30291), (543, 30531), (648, 30765), (682, 30885), (683, 30888), (695, 30948), (698, 30954), (714, 31014), (716, 31029), (726, 31065), (735, 31101), (764, 31194), (821, 31365), (822, 31368), (853, 31437), (861, 31476), (877, 31518), (880, 31536), (891, 31572), (898, 31596), (909, 31617),

Gene: BabyJohn_43 Start: 31521, Stop: 29683, Start Num: 229

Candidate Starts for BabyJohn_43:

(173, 31593), (Start: 229 @31521 has 918 MA's), (261, 31470), (341, 31317), (365, 31278), (382, 31245), (402, 31188), (404, 31179), (408, 31167), (441, 31059), (448, 31035), (451, 31026), (500, 30939), (517, 30891), (543, 30831), (569, 30768), (611, 30678), (668, 30564), (695, 30441), (719, 30354), (728, 30318), (735, 30288), (766, 30177), (777, 30138), (786, 30114), (792, 30096), (793, 30093), (837, 29973), (840, 29967), (857, 29907), (897, 29775), (898, 29772), (903, 29760), (909, 29751),

Gene: BabyRay_45 Start: 31465, Stop: 29627, Start Num: 229

Candidate Starts for BabyRay_45:

(Start: 229 @31465 has 918 MA's), (261, 31414), (341, 31261), (347, 31252), (378, 31201), (382, 31189), (402, 31132), (404, 31123), (441, 31003), (444, 30991), (448, 30979), (500, 30883), (517, 30835), (543, 30775), (569, 30712), (598, 30643), (611, 30622), (649, 30553), (652, 30547), (668, 30508), (695, 30385), (719, 30298), (728, 30262), (735, 30232), (742, 30202), (766, 30121), (777, 30082), (786, 30058), (792, 30040), (840, 29911), (857, 29851), (898, 29716), (903, 29704), (909, 29695),

Gene: BabyYoda_43 Start: 30631, Stop: 32505, Start Num: 229

Candidate Starts for BabyYoda_43:

(Start: 229 @30631 has 918 MA's), (266, 30700), (280, 30721), (382, 30901), (404, 30967), (409, 30982), (418, 31009), (543, 31303), (648, 31537), (682, 31657), (683, 31660), (695, 31720), (698, 31726), (707, 31771), (714, 31786), (716, 31801), (726, 31837), (735, 31873), (764, 31966), (793, 32059), (821, 32137), (822, 32140), (853, 32209), (857, 32233), (861, 32248), (877, 32290), (880, 32308), (898, 32368), (909, 32389),

Gene: Bachaco_40 Start: 30596, Stop: 32467, Start Num: 229

Candidate Starts for Bachaco_40:

(Start: 229 @30596 has 918 MA's), (266, 30665), (330, 30779), (404, 30932), (437, 31028), (510, 31187), (526, 31223), (543, 31268), (548, 31283), (588, 31376), (635, 31466), (695, 31682), (707, 31733), (714, 31748), (726, 31799), (729, 31808), (735, 31835), (764, 31928), (786, 32000), (821, 32099), (853, 32171), (857, 32195), (877, 32252), (891, 32306), (898, 32330), (909, 32351),

Gene: Bachome_46 Start: 30764, Stop: 28977, Start Num: 229

Candidate Starts for Bachome_46:

(Start: 229 @30764 has 918 MA's), (341, 30560), (382, 30488), (394, 30458), (402, 30431), (501, 30179), (519, 30128), (553, 30047), (575, 30002), (576, 29999), (611, 29918), (640, 29861), (667, 29819), (678, 29774), (695, 29693), (707, 29642), (719, 29606), (735, 29540), (758, 29480), (763, 29468), (795, 29366), (802, 29342), (807, 29324), (840, 29261), (852, 29234), (853, 29225), (857, 29201), (898, 29066), (903, 29054), (909, 29045),

Gene: Backyardigan_43 Start: 31552, Stop: 29723, Start Num: 229

Candidate Starts for Backyardigan_43:

(Start: 229 @31552 has 918 MA's), (261, 31501), (273, 31471), (365, 31309), (376, 31291), (382, 31276), (402, 31219), (404, 31210), (441, 31090), (448, 31066), (483, 31024), (500, 30973), (517, 30925), (528, 30904), (543, 30865), (560, 30820), (564, 30814), (598, 30733), (611, 30712), (635, 30667), (692, 30502), (695, 30481), (735, 30328), (745, 30289), (766, 30217), (771, 30202), (777, 30178), (783, 30160), (786, 30154), (788, 30148), (857, 29947), (898, 29812), (903, 29800), (909, 29791),

Gene: BaconJack_48 Start: 35612, Stop: 33786, Start Num: 229

Candidate Starts for BaconJack_48:

(Start: 229 @35612 has 918 MA's), (347, 35399), (354, 35384), (382, 35336), (394, 35306), (400, 35285), (402, 35279), (404, 35270), (440, 35153), (448, 35126), (500, 35033), (504, 35018), (539, 34934), (540, 34931), (566, 34865), (592, 34805), (614, 34760), (635, 34721), (695, 34541), (704, 34511), (705, 34493), (707, 34490), (719, 34454), (735, 34388), (763, 34316), (765, 34307), (766, 34304), (792, 34223), (853, 34073), (854, 34070), (861, 34034), (870, 34010), (874, 34001), (878, 33989), (881, 33971), (898, 33914), (909, 33893),

Gene: Bactobuster_43 Start: 32277, Stop: 30487, Start Num: 229

Candidate Starts for Bactobuster_43:

(Start: 229 @32277 has 918 MA's), (341, 32073), (347, 32064), (383, 31995), (394, 31968), (402, 31941), (448, 31788), (500, 31695), (516, 31647), (519, 31638), (528, 31623), (553, 31557), (567, 31524), (603, 31440), (649, 31359), (667, 31329), (695, 31203), (704, 31173), (707, 31152), (728, 31080), (735, 31050), (745, 31011), (758, 30990), (765, 30969), (828, 30789), (837, 30777), (853, 30735), (857, 30711), (877, 30654), (881, 30633), (898, 30576), (903, 30564), (909, 30555),

Gene: Badfish_61 Start: 54554, Stop: 52695, Start Num: 197

Candidate Starts for Badfish_61:

(Start: 175 @54578 has 5 MA's), (Start: 197 @54554 has 267 MA's), (Start: 231 @54530 has 5 MA's), (Start: 243 @54524 has 2 MA's), (260, 54482), (267, 54461), (316, 54347), (319, 54341), (337, 54311), (371, 54251), (381, 54230), (399, 54176), (403, 54164), (409, 54146), (413, 54134), (445,

54029), (486, 53972), (499, 53936), (502, 53924), (512, 53897), (524, 53870), (531, 53852), (539, 53834), (553, 53795), (556, 53786), (557, 53783), (664, 53525), (690, 53423), (696, 53390), (702, 53369), (729, 53276), (732, 53267), (747, 53204), (765, 53168), (766, 53165), (771, 53150), (796, 53072), (800, 53060), (806, 53039), (822, 53000), (857, 52910), (862, 52892), (864, 52886), (870, 52871), (879, 52847), (881, 52832), (882, 52829), (884, 52817), (892, 52793), (911, 52745), (922, 52721),

Gene: Badger_43 Start: 31520, Stop: 29691, Start Num: 229

Candidate Starts for Badger_43:

(Start: 229 @31520 has 918 MA's), (261, 31469), (273, 31439), (365, 31277), (376, 31259), (382, 31244), (402, 31187), (404, 31178), (441, 31058), (448, 31034), (483, 30992), (500, 30941), (517, 30893), (528, 30872), (543, 30833), (560, 30788), (564, 30782), (598, 30701), (611, 30680), (635, 30635), (692, 30470), (695, 30449), (735, 30296), (745, 30257), (766, 30185), (771, 30170), (777, 30146), (783, 30128), (786, 30122), (788, 30116), (857, 29915), (898, 29780), (903, 29768), (909, 29759),

Gene: Bae_59 Start: 55561, Stop: 53708, Start Num: 189

Candidate Starts for Bae_59:

(112, 55720), (144, 55639), (Start: 189 @55561 has 57 MA's), (Start: 225 @55516 has 1 MA's), (253, 55480), (286, 55420), (409, 55159), (425, 55117), (436, 55081), (445, 55051), (499, 54958), (502, 54946), (511, 54922), (516, 54910), (524, 54892), (549, 54829), (557, 54805), (603, 54700), (677, 54511), (679, 54493), (691, 54445), (696, 54418), (702, 54397), (727, 54310), (729, 54304), (732, 54295), (736, 54274), (759, 54211), (766, 54178), (771, 54163), (790, 54103), (796, 54085), (800, 54073), (806, 54052), (808, 54043), (810, 54040), (857, 53923), (864, 53899), (879, 53860), (881, 53845), (882, 53842), (892, 53806), (893, 53803), (922, 53734),

Gene: Baehexic_43 Start: 31482, Stop: 29695, Start Num: 229

Candidate Starts for Baehexic_43:

(Start: 229 @31482 has 918 MA's), (341, 31278), (343, 31275), (347, 31269), (365, 31239), (382, 31206), (383, 31203), (394, 31176), (402, 31149), (418, 31098), (448, 30996), (500, 30903), (516, 30855), (519, 30846), (528, 30831), (553, 30765), (588, 30684), (611, 30636), (678, 30492), (695, 30411), (707, 30360), (718, 30327), (735, 30258), (745, 30219), (758, 30198), (765, 30177), (769, 30165), (837, 29985), (840, 29979), (853, 29943), (857, 29919), (881, 29841), (898, 29784), (903, 29772),

Gene: BaileyBlu_41 Start: 29217, Stop: 31091, Start Num: 229

Candidate Starts for BaileyBlu_41:

(107, 29007), (Start: 229 @29217 has 918 MA's), (237, 29223), (248, 29235), (364, 29448), (383, 29487), (501, 29811), (543, 29919), (548, 29934), (588, 30024), (611, 30072), (695, 30330), (704, 30360), (721, 30420), (726, 30447), (728, 30453), (799, 30687), (853, 30819), (857, 30843), (864, 30867), (874, 30891), (882, 30924), (898, 30978), (902, 30987), (914, 31008), (939, 31074),

Gene: Baines_38 Start: 28622, Stop: 26757, Start Num: 270

Candidate Starts for Baines_38:

(Start: 216 @28709 has 3 MA's), (Start: 270 @28622 has 147 MA's), (Start: 276 @28613 has 5 MA's), (333, 28508), (336, 28499), (353, 28469), (355, 28466), (408, 28346), (412, 28334), (415, 28328), (449, 28223), (456, 28196), (493, 28055), (497, 28049), (498, 28046), (500, 28034), (508, 28007), (509, 28004), (514, 27989), (516, 27983), (518, 27977), (531, 27944), (602, 27815), (629, 27755), (728, 27440), (731, 27431), (732, 27428), (735, 27410), (746, 27368), (748, 27362), (756, 27338), (773, 27281), (820, 27122), (834, 27092), (836, 27083), (854, 27023), (858, 26999), (870, 26960), (879, 26927), (880, 26915), (896, 26855),

Gene: Baloo_58 Start: 53679, Stop: 51862, Start Num: 238

Candidate Starts for Baloo_58:

(64, 54063), (124, 53862), (Start: 238 @53679 has 44 MA's), (253, 53649), (347, 53469), (408, 53316), (412, 53304), (422, 53274), (426, 53268), (445, 53205), (447, 53199), (486, 53148), (499, 53112), (516, 53064), (557, 52959), (596, 52863), (627, 52812), (676, 52668), (684, 52629), (691, 52599), (696, 52572), (700, 52560), (727, 52464), (729, 52458), (732, 52449), (734, 52437), (759, 52365), (765, 52335), (771, 52317), (773, 52308), (796, 52239), (800, 52227), (806, 52206), (840, 52137), (849, 52122), (854, 52098), (857, 52077), (864, 52053), (879, 52014), (882, 51996), (884, 51984), (888, 51972), (892, 51960), (908, 51918), (922, 51888),

Gene: Balsa_38 Start: 29055, Stop: 27190, Start Num: 270

Candidate Starts for Balsa_38:

(Start: 270 @29055 has 147 MA's), (Start: 276 @29046 has 5 MA's), (407, 28782), (412, 28767), (415, 28761), (456, 28629), (471, 28575), (493, 28488), (498, 28479), (500, 28467), (508, 28440), (509, 28437), (514, 28422), (516, 28416), (670, 28086), (728, 27873), (731, 27864), (732, 27861), (735, 27843), (746, 27801), (757, 27771), (773, 27714), (820, 27555), (834, 27525), (854, 27456), (858, 27432), (870, 27393), (879, 27360), (880, 27348),

Gene: Bananafish_57 Start: 52489, Stop: 50660, Start Num: 189

Candidate Starts for Bananafish_57:

(Start: 189 @52489 has 57 MA's), (Start: 243 @52462 has 2 MA's), (254, 52432), (260, 52420), (271, 52393), (273, 52390), (278, 52381), (298, 52363), (343, 52267), (371, 52216), (382, 52192), (434, 52030), (442, 52006), (445, 51994), (486, 51937), (499, 51901), (502, 51889), (511, 51865), (546, 51781), (556, 51751), (557, 51748), (570, 51718), (633, 51574), (659, 51508), (673, 51469), (676, 51457), (679, 51436), (684, 51418), (696, 51361), (723, 51277), (729, 51247), (732, 51238), (747, 51172), (763, 51145), (765, 51136), (771, 51118), (777, 51094), (796, 51040), (800, 51028), (806, 51007), (840, 50938), (857, 50878), (862, 50860), (875, 50827), (879, 50815), (881, 50800), (882, 50797), (884, 50785), (892, 50761), (893, 50758), (911, 50710), (912, 50707), (922, 50686), (925, 50665),

Gene: Bandik_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Bandik_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (670, 27961), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: BangNhom_46 Start: 31992, Stop: 30166, Start Num: 229

Candidate Starts for BangNhom_46:

(Start: 229 @31992 has 918 MA's), (260, 31944), (341, 31788), (382, 31716), (402, 31659), (404, 31650), (441, 31530), (448, 31506), (500, 31413), (517, 31365), (528, 31344), (543, 31305), (560, 31260), (598, 31173), (603, 31164), (611, 31152), (635, 31107), (640, 31095), (692, 30942), (695, 30921), (728, 30798), (735, 30768), (745, 30729), (765, 30663), (766, 30660), (777, 30621), (786, 30597), (857, 30390), (898, 30255), (903, 30243), (909, 30234),

Gene: Banjo_59 Start: 54043, Stop: 52184, Start Num: 197

Candidate Starts for Banjo_59:

(Start: 175 @54067 has 5 MA's), (Start: 197 @54043 has 267 MA's), (Start: 231 @54019 has 5 MA's), (Start: 243 @54013 has 2 MA's), (260, 53971), (267, 53950), (316, 53836), (319, 53830), (337, 53800), (371, 53740), (381, 53719), (399, 53665), (403, 53653), (409, 53635), (413, 53623), (445, 53518), (486, 53461), (499, 53425), (502, 53413), (512, 53386), (524, 53359), (531, 53341), (539,

53323), (553, 53284), (556, 53275), (557, 53272), (558, 53269), (690, 52912), (696, 52879), (702, 52858), (729, 52765), (732, 52756), (747, 52693), (765, 52657), (766, 52654), (771, 52639), (796, 52561), (800, 52549), (806, 52528), (822, 52489), (857, 52399), (862, 52381), (864, 52375), (870, 52360), (879, 52336), (881, 52321), (882, 52318), (884, 52306), (892, 52282), (911, 52234), (922, 52210),

Gene: Barnstormer_47 Start: 31148, Stop: 33013, Start Num: 228

Candidate Starts for Barnstormer_47:

(145, 31028), (153, 31046), (Start: 228 @31148 has 10 MA's), (295, 31256), (541, 31844), (543, 31850), (611, 32003), (643, 32066), (695, 32261), (712, 32324), (726, 32378), (728, 32384), (736, 32417), (793, 32600), (898, 32909), (930, 32987), (942, 33008),

Gene: Barriga_45 Start: 34327, Stop: 32501, Start Num: 229

Candidate Starts for Barriga_45:

(Start: 229 @34327 has 918 MA's), (347, 34114), (354, 34099), (382, 34051), (394, 34021), (400, 34000), (402, 33994), (404, 33985), (429, 33901), (440, 33868), (448, 33841), (500, 33748), (504, 33733), (539, 33649), (540, 33646), (566, 33580), (592, 33520), (614, 33475), (635, 33436), (695, 33256), (705, 33208), (719, 33169), (735, 33103), (745, 33064), (758, 33043), (765, 33022), (771, 33004), (792, 32938), (853, 32788), (854, 32785), (861, 32749), (870, 32725), (874, 32716), (878, 32704), (883, 32677), (898, 32629), (909, 32608),

Gene: Bartimeaus_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Bartimeaus_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Basato_61 Start: 54317, Stop: 52458, Start Num: 197

Candidate Starts for Basato_61:

(Start: 175 @54341 has 5 MA's), (Start: 197 @54317 has 267 MA's), (Start: 231 @54293 has 5 MA's), (Start: 243 @54287 has 2 MA's), (260, 54245), (267, 54224), (316, 54110), (319, 54104), (337, 54074), (371, 54014), (381, 53993), (399, 53939), (403, 53927), (409, 53909), (413, 53897), (445, 53792), (486, 53735), (499, 53699), (502, 53687), (512, 53660), (516, 53651), (531, 53615), (553, 53558), (556, 53549), (557, 53546), (558, 53543), (690, 53186), (696, 53153), (702, 53132), (729, 53039), (732, 53030), (747, 52967), (765, 52931), (766, 52928), (771, 52913), (796, 52835), (800, 52823), (806, 52802), (822, 52763), (857, 52673), (862, 52655), (864, 52649), (870, 52634), (879, 52610), (881, 52595), (882, 52592), (884, 52580), (892, 52556), (911, 52508), (922, 52484),

Gene: BatteryCK_61 Start: 54193, Stop: 52334, Start Num: 197

Candidate Starts for BatteryCK_61:

(Start: 175 @54217 has 5 MA's), (Start: 197 @54193 has 267 MA's), (Start: 231 @54169 has 5 MA's), (Start: 243 @54163 has 2 MA's), (260, 54121), (267, 54100), (316, 53986), (319, 53980), (337, 53950), (371, 53890), (381, 53869), (399, 53815), (403, 53803), (409, 53785), (413, 53773), (445, 53668), (486, 53611), (499, 53575), (502, 53563), (511, 53539), (516, 53527), (524, 53509), (531, 53491), (539, 53473), (553, 53434), (556, 53425), (557, 53422), (558, 53419), (690, 53062), (696, 53029), (702, 53008), (729, 52915), (732, 52906), (747, 52843), (765, 52807), (766, 52804), (771, 52789), (796, 52711), (800, 52699), (806, 52678), (822, 52639), (857, 52549), (862, 52531), (864, 52525), (870, 52510), (879, 52486), (881, 52471), (882, 52468), (884, 52456), (892, 52432), (911, 52384), (922, 52360),

Gene: Battleship_48 Start: 29936, Stop: 28146, Start Num: 229

Candidate Starts for Battleship_48:

(Start: 229 @29936 has 918 MA's), (327, 29762), (382, 29657), (383, 29654), (394, 29627), (402, 29600), (418, 29549), (448, 29447), (500, 29354), (514, 29309), (516, 29306), (519, 29297), (588, 29135), (598, 29108), (611, 29087), (614, 29081), (669, 28982), (678, 28943), (690, 28892), (695, 28862), (707, 28811), (718, 28778), (726, 28745), (728, 28739), (735, 28709), (758, 28649), (765, 28628), (777, 28586), (787, 28559), (792, 28544), (823, 28457), (853, 28394), (854, 28391), (898, 28235), (903, 28223), (911, 28211),

Gene: Beaglebox_60 Start: 54107, Stop: 52248, Start Num: 197

Candidate Starts for Beaglebox_60:

(Start: 175 @54131 has 5 MA's), (Start: 197 @54107 has 267 MA's), (Start: 231 @54083 has 5 MA's), (Start: 243 @54077 has 2 MA's), (260, 54035), (267, 54014), (316, 53900), (319, 53894), (337, 53864), (371, 53804), (381, 53783), (399, 53729), (403, 53717), (409, 53699), (413, 53687), (445, 53582), (486, 53525), (499, 53489), (502, 53477), (511, 53453), (516, 53441), (524, 53423), (531, 53405), (539, 53387), (553, 53348), (556, 53339), (557, 53336), (664, 53078), (690, 52976), (696, 52943), (702, 52922), (729, 52829), (732, 52820), (747, 52757), (765, 52721), (766, 52718), (771, 52703), (796, 52625), (800, 52613), (806, 52592), (822, 52553), (857, 52463), (862, 52445), (864, 52439), (870, 52424), (879, 52400), (881, 52385), (882, 52382), (884, 52370), (892, 52346), (911, 52298), (922, 52274),

Gene: Beatrix_44 Start: 35941, Stop: 34154, Start Num: 229

Candidate Starts for Beatrix_44:

(Start: 229 @35941 has 918 MA's), (347, 35728), (382, 35665), (394, 35635), (400, 35614), (402, 35608), (404, 35599), (440, 35482), (448, 35455), (500, 35362), (504, 35347), (539, 35263), (540, 35260), (566, 35194), (580, 35164), (592, 35134), (614, 35089), (635, 35050), (695, 34870), (705, 34822), (719, 34783), (735, 34717), (763, 34645), (765, 34636), (792, 34552), (823, 34465), (870, 34339), (875, 34327), (891, 34267), (898, 34243), (901, 34237),

Gene: BeautPeep30_39 Start: 28936, Stop: 27071, Start Num: 270

Candidate Starts for BeautPeep30_39:

(Start: 216 @29023 has 3 MA's), (219, 29020), (Start: 270 @28936 has 147 MA's), (Start: 276 @28927 has 5 MA's), (333, 28822), (336, 28813), (353, 28783), (355, 28780), (408, 28660), (412, 28648), (415, 28642), (449, 28537), (456, 28510), (493, 28369), (497, 28363), (498, 28360), (500, 28348), (508, 28321), (509, 28318), (514, 28303), (516, 28297), (518, 28291), (531, 28258), (629, 28069), (728, 27754), (731, 27745), (732, 27742), (735, 27724), (746, 27682), (748, 27676), (756, 27652), (773, 27595), (820, 27436), (834, 27406), (836, 27397), (854, 27337), (858, 27313), (870, 27274), (879, 27241), (880, 27229), (896, 27169),

Gene: Beauxregard13_48 Start: 31856, Stop: 30042, Start Num: 229

Candidate Starts for Beauxregard13_48:

(Start: 229 @31856 has 918 MA's), (255, 31817), (261, 31805), (341, 31652), (349, 31637), (382, 31580), (402, 31523), (404, 31514), (418, 31472), (432, 31421), (448, 31370), (500, 31277), (516, 31229), (519, 31220), (528, 31205), (543, 31166), (553, 31139), (566, 31109), (607, 31016), (639, 30956), (649, 30941), (695, 30785), (719, 30698), (735, 30632), (745, 30593), (766, 30521), (777, 30482), (786, 30458), (792, 30440), (802, 30407), (811, 30380), (840, 30326), (857, 30266), (881, 30188), (898, 30131), (903, 30119), (909, 30110),

Gene: BeeBee8_39 Start: 29216, Stop: 27360, Start Num: 276

Candidate Starts for BeeBee8_39:

(Start: 270 @29225 has 147 MA's), (Start: 276 @29216 has 5 MA's), (407, 28952), (412, 28937), (415, 28931), (456, 28799), (471, 28745), (493, 28658), (498, 28649), (500, 28637), (508, 28610), (509, 28607), (514, 28592), (516, 28586), (670, 28256), (728, 28043), (731, 28034), (732, 28031), (735, 28013), (746, 27971), (757, 27941), (773, 27884), (820, 27725), (834, 27695), (854, 27626), (858,

27602), (870, 27563), (879, 27530), (880, 27518),

Gene: Beemo_45 Start: 31539, Stop: 29746, Start Num: 229

Candidate Starts for Beemo_45:

(Start: 229 @31539 has 918 MA's), (Start: 244 @31530 has 1 MA's), (261, 31488), (325, 31368), (327, 31365), (350, 31317), (383, 31257), (395, 31227), (398, 31215), (402, 31203), (448, 31050), (500, 30957), (553, 30819), (566, 30789), (640, 30630), (649, 30618), (666, 30591), (692, 30483), (695, 30462), (732, 30327), (735, 30309), (765, 30228), (777, 30186), (802, 30111), (837, 30036), (853, 29994), (881, 29892), (898, 29835), (903, 29823), (909, 29814),

Gene: BeesKnees_45 Start: 34407, Stop: 32581, Start Num: 229

Candidate Starts for BeesKnees_45:

(Start: 229 @34407 has 918 MA's), (347, 34194), (382, 34131), (394, 34101), (400, 34080), (402, 34074), (404, 34065), (440, 33948), (448, 33921), (500, 33828), (504, 33813), (539, 33729), (540, 33726), (566, 33660), (580, 33630), (592, 33600), (614, 33555), (635, 33516), (695, 33336), (705, 33288), (719, 33249), (735, 33183), (745, 33144), (758, 33123), (765, 33102), (771, 33084), (792, 33018), (853, 32868), (854, 32865), (861, 32829), (874, 32796), (878, 32784), (883, 32757), (898, 32709), (909, 32688),

Gene: Belenaria_36 Start: 28114, Stop: 26330, Start Num: 229

Candidate Starts for Belenaria_36:

(Start: 229 @28114 has 918 MA's), (361, 27880), (378, 27850), (381, 27841), (382, 27838), (398, 27793), (402, 27781), (418, 27730), (448, 27628), (477, 27607), (500, 27535), (514, 27490), (516, 27487), (536, 27445), (538, 27439), (543, 27424), (553, 27397), (598, 27292), (603, 27283), (614, 27265), (635, 27226), (668, 27169), (695, 27046), (705, 26998), (735, 26893), (736, 26890), (758, 26833), (765, 26812), (779, 26764), (804, 26689), (837, 26620), (853, 26578), (857, 26554), (881, 26476), (898, 26419), (903, 26407), (909, 26398), (923, 26368), (925, 26350),

Gene: BellusTerra_46 Start: 31571, Stop: 29745, Start Num: 229

Candidate Starts for BellusTerra_46:

(Start: 229 @31571 has 918 MA's), (250, 31550), (261, 31520), (273, 31490), (365, 31328), (376, 31310), (402, 31238), (404, 31229), (441, 31109), (448, 31085), (500, 30992), (517, 30944), (528, 30923), (543, 30884), (598, 30752), (611, 30731), (635, 30686), (640, 30674), (692, 30521), (695, 30500), (728, 30377), (735, 30347), (745, 30308), (765, 30242), (766, 30239), (771, 30224), (777, 30200), (786, 30176), (857, 29969), (898, 29834), (903, 29822), (909, 29813),

Gene: BelmontSKP_43 Start: 29896, Stop: 31770, Start Num: 229

Candidate Starts for BelmontSKP_43:

(Start: 226 @29893 has 7 MA's), (Start: 229 @29896 has 918 MA's), (266, 29965), (280, 29986), (404, 30232), (418, 30274), (510, 30487), (543, 30568), (648, 30802), (683, 30925), (695, 30985), (698, 30991), (707, 31036), (714, 31051), (716, 31066), (726, 31102), (735, 31138), (764, 31231), (793, 31324), (821, 31402), (853, 31474), (861, 31513), (877, 31555), (880, 31573), (891, 31609), (898, 31633), (909, 31654),

Gene: Ben11_58 Start: 53891, Stop: 52074, Start Num: 238

Candidate Starts for Ben11_58:

(124, 54074), (Start: 238 @53891 has 44 MA's), (253, 53861), (347, 53681), (408, 53528), (412, 53516), (422, 53486), (426, 53480), (445, 53417), (447, 53411), (486, 53360), (498, 53333), (499, 53324), (516, 53276), (557, 53171), (596, 53075), (627, 53024), (676, 52880), (684, 52841), (691, 52811), (696, 52784), (700, 52772), (727, 52676), (729, 52670), (732, 52661), (734, 52649), (759, 52577), (765, 52547), (771, 52529), (773, 52520), (796, 52451), (800, 52439), (806, 52418), (840, 52349), (849, 52334), (854, 52310), (857, 52289), (862, 52271), (864, 52265), (877, 52232), (879, 52226), (882, 52208), (884, 52196), (888, 52184), (892, 52172), (908, 52130), (922, 52100),

Gene: Benedict_39 Start: 30154, Stop: 28289, Start Num: 229

Candidate Starts for Benedict_39:

(Start: 195 @30187 has 2 MA's), (Start: 229 @30154 has 918 MA's), (296, 30043), (341, 29950), (343, 29947), (382, 29878), (383, 29875), (394, 29848), (402, 29821), (404, 29812), (429, 29728), (432, 29719), (437, 29704), (448, 29668), (489, 29608), (500, 29572), (514, 29527), (516, 29524), (527, 29503), (528, 29500), (550, 29440), (586, 29362), (607, 29314), (614, 29302), (639, 29254), (664, 29203), (695, 29068), (705, 29020), (714, 29002), (719, 28981), (723, 28972), (729, 28942), (735, 28915), (736, 28912), (765, 28834), (786, 28768), (802, 28717), (823, 28663), (828, 28654), (840, 28636), (862, 28558), (891, 28465), (898, 28441), (903, 28429), (947, 28324),

Gene: BengiVuitton_44 Start: 31228, Stop: 29441, Start Num: 229

Candidate Starts for BengiVuitton_44:

(Start: 229 @31228 has 918 MA's), (341, 31024), (343, 31021), (347, 31015), (354, 31000), (365, 30985), (382, 30952), (383, 30949), (394, 30922), (402, 30895), (408, 30874), (418, 30844), (448, 30742), (500, 30649), (502, 30640), (516, 30601), (519, 30592), (528, 30577), (553, 30511), (588, 30430), (611, 30382), (614, 30376), (678, 30238), (695, 30157), (707, 30106), (718, 30073), (719, 30070), (735, 30004), (745, 29965), (758, 29944), (781, 29869), (788, 29851), (802, 29806), (811, 29779), (828, 29743), (840, 29725), (853, 29689), (857, 29665), (877, 29608), (881, 29587), (898, 29530), (903, 29518),

Gene: Benjalauren_39 Start: 28635, Stop: 26770, Start Num: 270

Candidate Starts for Benjalauren_39:

(Start: 216 @28722 has 3 MA's), (219, 28719), (Start: 270 @28635 has 147 MA's), (Start: 276 @28626 has 5 MA's), (333, 28521), (336, 28512), (353, 28482), (355, 28479), (408, 28359), (412, 28347), (415, 28341), (449, 28236), (456, 28209), (493, 28068), (497, 28062), (498, 28059), (500, 28047), (508, 28020), (509, 28017), (514, 28002), (516, 27996), (518, 27990), (531, 27957), (602, 27828), (629, 27768), (728, 27453), (731, 27444), (732, 27441), (735, 27423), (746, 27381), (748, 27375), (751, 27366), (756, 27351), (773, 27294), (820, 27135), (834, 27105), (836, 27096), (854, 27036), (858, 27012), (870, 26973), (879, 26940), (880, 26928), (896, 26868),

Gene: Benvolio_41 Start: 30754, Stop: 28967, Start Num: 229

Candidate Starts for Benvolio_41:

(Start: 229 @30754 has 918 MA's), (343, 30547), (347, 30541), (365, 30511), (382, 30478), (383, 30475), (394, 30448), (402, 30421), (408, 30400), (448, 30268), (500, 30175), (516, 30127), (519, 30118), (528, 30103), (553, 30037), (588, 29956), (611, 29908), (614, 29902), (649, 29839), (678, 29764), (695, 29683), (707, 29632), (718, 29599), (719, 29596), (735, 29530), (745, 29491), (758, 29470), (781, 29395), (788, 29377), (792, 29365), (802, 29332), (811, 29305), (828, 29269), (853, 29215), (857, 29191), (877, 29134), (881, 29113), (898, 29056), (903, 29044), (909, 29035),

Gene: Bernardo_59 Start: 54028, Stop: 52211, Start Num: 238

Candidate Starts for Bernardo_59:

(124, 54211), (Start: 238 @54028 has 44 MA's), (253, 53998), (347, 53818), (408, 53665), (412, 53653), (422, 53623), (426, 53617), (445, 53554), (447, 53548), (486, 53497), (499, 53461), (516, 53413), (557, 53308), (596, 53212), (627, 53161), (676, 53017), (684, 52978), (691, 52948), (696, 52921), (700, 52909), (727, 52813), (729, 52807), (732, 52798), (734, 52786), (759, 52714), (765, 52684), (771, 52666), (773, 52657), (796, 52588), (800, 52576), (806, 52555), (840, 52486), (849, 52471), (854, 52447), (857, 52426), (864, 52402), (879, 52363), (882, 52345), (884, 52333), (888, 52321), (892, 52309), (908, 52267), (922, 52237),

Gene: Bernstein_40 Start: 27521, Stop: 29389, Start Num: 226

Candidate Starts for Bernstein_40:

(Start: 226 @27521 has 7 MA's), (Start: 229 @27524 has 918 MA's), (232, 27527), (266, 27596), (409, 27878), (418, 27905), (437, 27959), (512, 28124), (543, 28199), (550, 28220), (683, 28574), (695, 28634), (707, 28685), (726, 28751), (735, 28787), (764, 28880), (821, 29051), (853, 29123), (877, 29204), (897, 29279), (898, 29282), (909, 29303), (937, 29372),

Gene: Berrie_42 Start: 30512, Stop: 32377, Start Num: 229

Candidate Starts for Berrie_42:

(Start: 229 @30512 has 918 MA's), (260, 30560), (341, 30716), (368, 30749), (400, 30830), (421, 30899), (501, 31106), (505, 31118), (540, 31205), (543, 31214), (548, 31229), (588, 31319), (611, 31367), (669, 31505), (695, 31625), (719, 31712), (735, 31778), (764, 31871), (786, 31943), (825, 32051), (853, 32114), (857, 32138), (898, 32273), (902, 32282), (936, 32360),

Gene: Bethlehem_44 Start: 35080, Stop: 33254, Start Num: 229

Candidate Starts for Bethlehem_44:

(Start: 229 @35080 has 918 MA's), (347, 34867), (382, 34804), (394, 34774), (400, 34753), (402, 34747), (404, 34738), (440, 34621), (448, 34594), (500, 34501), (504, 34486), (539, 34402), (540, 34399), (566, 34333), (580, 34303), (592, 34273), (614, 34228), (635, 34189), (695, 34009), (705, 33961), (719, 33922), (735, 33856), (745, 33817), (758, 33796), (765, 33775), (771, 33757), (792, 33691), (853, 33541), (854, 33538), (861, 33502), (874, 33469), (878, 33457), (883, 33430), (898, 33382), (909, 33361),

Gene: Bexan_43 Start: 35619, Stop: 33832, Start Num: 229

Candidate Starts for Bexan_43:

(Start: 229 @35619 has 918 MA's), (347, 35406), (382, 35343), (394, 35313), (400, 35292), (402, 35286), (404, 35277), (440, 35160), (448, 35133), (500, 35040), (504, 35025), (516, 34992), (539, 34941), (540, 34938), (566, 34872), (580, 34842), (592, 34812), (614, 34767), (635, 34728), (695, 34548), (705, 34500), (719, 34461), (735, 34395), (763, 34323), (765, 34314), (792, 34230), (823, 34143), (870, 34017), (875, 34005), (891, 33945), (898, 33921), (901, 33915),

Gene: BiancaTri92_44 Start: 32044, Stop: 30257, Start Num: 229

Candidate Starts for BiancaTri92_44:

(Start: 229 @32044 has 918 MA's), (343, 31837), (347, 31831), (354, 31816), (365, 31801), (394, 31738), (402, 31711), (408, 31690), (448, 31558), (500, 31465), (519, 31408), (528, 31393), (553, 31327), (588, 31246), (611, 31198), (614, 31192), (678, 31054), (695, 30973), (707, 30922), (718, 30889), (719, 30886), (723, 30877), (728, 30850), (735, 30820), (745, 30781), (758, 30760), (765, 30739), (840, 30541), (853, 30505), (857, 30481), (877, 30424), (881, 30403), (898, 30346), (903, 30334), (909, 30325),

Gene: Big3_43 Start: 34644, Stop: 32818, Start Num: 229

Candidate Starts for Big3_43:

(Start: 229 @34644 has 918 MA's), (347, 34431), (354, 34416), (382, 34368), (394, 34338), (400, 34317), (402, 34311), (404, 34302), (440, 34185), (448, 34158), (500, 34065), (504, 34050), (516, 34017), (539, 33966), (540, 33963), (566, 33897), (580, 33867), (592, 33837), (614, 33792), (635, 33753), (695, 33573), (705, 33525), (719, 33486), (735, 33420), (745, 33381), (758, 33360), (765, 33339), (771, 33321), (792, 33255), (853, 33105), (854, 33102), (861, 33066), (870, 33042), (874, 33033), (878, 33021), (898, 32946), (909, 32925),

Gene: Big4_105 Start: 80746, Stop: 78878, Start Num: 235

Candidate Starts for Big4_105:

(215, 80767), (223, 80758), (Start: 226 @80755 has 7 MA's), (Start: 235 @80746 has 5 MA's), (325, 80548), (356, 80488), (368, 80473), (412, 80365), (415, 80359), (446, 80266), (452, 80248), (502, 80173), (532, 80089), (543, 80062), (550, 80041), (567, 80002), (582, 79969), (600, 79927), (618, 79894), (635, 79864), (650, 79837), (695, 79675), (725, 79561), (742, 79477), (747, 79462), (750,

79453), (775, 79366), (777, 79357), (789, 79324), (849, 79168), (875, 79072), (881, 79045), (898, 78988), (911, 78964),

Gene: BigChungus_44 Start: 33868, Stop: 31490, Start Num: 41

Candidate Starts for BigChungus_44:

(Start: 41 @33868 has 13 MA's), (58, 33808), (71, 33766), (83, 33727), (114, 33637), (121, 33607), (132, 33586), (156, 33562), (205, 33484), (210, 33478), (211, 33475), (Start: 243 @33445 has 2 MA's), (251, 33427), (258, 33409), (274, 33370), (Start: 276 @33367 has 5 MA's), (311, 33310), (320, 33286), (333, 33271), (366, 33208), (379, 33184), (382, 33175), (384, 33169), (386, 33163), (398, 33130), (405, 33109), (412, 33088), (469, 32905), (489, 32830), (500, 32788), (547, 32701), (586, 32677), (594, 32653), (599, 32644), (609, 32623), (634, 32572), (635, 32569), (642, 32554), (654, 32533), (688, 32407), (699, 32359), (701, 32350), (712, 32308), (735, 32215), (744, 32179), (746, 32173), (748, 32167), (750, 32161), (766, 32104), (773, 32080), (801, 31975), (802, 31972), (838, 31879), (844, 31861), (854, 31822), (863, 31780), (871, 31756), (879, 31726), (888, 31678), (896, 31654), (902, 31630), (910, 31609), (945, 31522), (951, 31510),

Gene: BigMau_45 Start: 34189, Stop: 32360, Start Num: 229

Candidate Starts for BigMau_45:

(Start: 229 @34189 has 918 MA's), (347, 33976), (354, 33961), (382, 33913), (394, 33883), (400, 33862), (402, 33856), (404, 33847), (440, 33730), (448, 33703), (500, 33610), (504, 33595), (511, 33574), (539, 33511), (540, 33508), (560, 33454), (566, 33442), (580, 33412), (592, 33382), (614, 33337), (635, 33298), (695, 33118), (705, 33070), (723, 33022), (732, 32983), (735, 32965), (745, 32926), (758, 32905), (765, 32884), (808, 32746), (875, 32575), (880, 32551), (890, 32518), (895, 32503), (898, 32491), (909, 32470), (912, 32464), (928, 32416), (935, 32401),

Gene: BigPaolini_45 Start: 33608, Stop: 31821, Start Num: 229

Candidate Starts for BigPaolini_45:

(Start: 229 @33608 has 918 MA's), (347, 33395), (354, 33380), (394, 33302), (400, 33281), (402, 33275), (404, 33266), (440, 33149), (448, 33122), (500, 33029), (504, 33014), (516, 32981), (539, 32930), (540, 32927), (560, 32873), (566, 32861), (580, 32831), (592, 32801), (614, 32756), (635, 32717), (695, 32537), (705, 32489), (719, 32450), (735, 32384), (763, 32312), (765, 32303), (792, 32219), (823, 32132), (870, 32006), (875, 31994), (898, 31910), (901, 31904),

Gene: BigRedClifford_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for BigRedClifford_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (751, 27665), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Bigfoot_41 Start: 33829, Stop: 32003, Start Num: 229

Candidate Starts for Bigfoot_41:

(Start: 229 @33829 has 918 MA's), (347, 33616), (354, 33601), (382, 33553), (394, 33523), (400, 33502), (402, 33496), (404, 33487), (440, 33370), (448, 33343), (500, 33250), (504, 33235), (516, 33202), (539, 33151), (540, 33148), (566, 33082), (592, 33022), (614, 32977), (635, 32938), (695, 32758), (705, 32710), (719, 32671), (735, 32605), (745, 32566), (758, 32545), (765, 32524), (771, 32506), (792, 32440), (853, 32290), (854, 32287), (861, 32251), (870, 32227), (874, 32218), (878, 32206), (883, 32179), (898, 32131), (909, 32110),

Gene: BiggityBass_49 Start: 47333, Stop: 45519, Start Num: 231

Candidate Starts for BiggityBass_49:

(165, 47423), (Start: 231 @47333 has 5 MA's), (Start: 243 @47324 has 2 MA's), (260, 47282), (343, 47114), (365, 47072), (395, 47003), (408, 46964), (413, 46949), (439, 46874), (445, 46853), (499, 46760), (548, 46634), (549, 46631), (556, 46610), (557, 46607), (594, 46517), (655, 46379), (679, 46295), (684, 46277), (696, 46220), (727, 46112), (729, 46106), (732, 46097), (747, 46034), (766, 45995), (771, 45980), (796, 45902), (800, 45890), (801, 45884), (806, 45869), (808, 45860), (852, 45773), (857, 45740), (858, 45737), (876, 45686), (879, 45677), (892, 45617), (922, 45545),

Gene: BillDoor_43 Start: 31825, Stop: 29438, Start Num: 32

Candidate Starts for BillDoor_43:

(Start: 32 @31825 has 16 MA's), (58, 31762), (76, 31705), (116, 31582), (121, 31558), (211, 31426), (241, 31399), (283, 31306), (311, 31261), (342, 31201), (352, 31183), (379, 31135), (398, 31081), (399, 31078), (405, 31060), (412, 31039), (429, 30988), (432, 30979), (433, 30976), (469, 30856), (484, 30796), (489, 30781), (513, 30697), (547, 30652), (570, 30628), (586, 30622), (594, 30598), (633, 30520), (634, 30517), (635, 30514), (650, 30490), (685, 30367), (701, 30298), (702, 30292), (726, 30199), (735, 30163), (744, 30127), (746, 30121), (748, 30115), (750, 30109), (757, 30085), (766, 30052), (773, 30028), (783, 29983), (801, 29923), (854, 29770), (862, 29731), (863, 29728), (896, 29602), (910, 29557), (914, 29548), (935, 29488),

Gene: BillKnuckles_45 Start: 35369, Stop: 33540, Start Num: 229

Candidate Starts for BillKnuckles_45:

(Start: 229 @35369 has 918 MA's), (347, 35156), (354, 35141), (382, 35093), (394, 35063), (400, 35042), (402, 35036), (404, 35027), (440, 34910), (448, 34883), (500, 34790), (504, 34775), (516, 34742), (539, 34691), (540, 34688), (566, 34622), (580, 34592), (592, 34562), (614, 34517), (635, 34478), (695, 34298), (705, 34250), (723, 34202), (732, 34163), (735, 34145), (745, 34106), (758, 34085), (765, 34064), (770, 34049), (808, 33926), (875, 33755), (880, 33731), (895, 33683), (898, 33671), (909, 33650), (912, 33644), (928, 33596), (935, 33581),

Gene: Bircsak_44 Start: 35182, Stop: 33353, Start Num: 229

Candidate Starts for Bircsak_44:

(Start: 229 @35182 has 918 MA's), (347, 34969), (354, 34954), (382, 34906), (394, 34876), (397, 34864), (400, 34855), (402, 34849), (404, 34840), (440, 34723), (448, 34696), (500, 34603), (504, 34588), (511, 34567), (516, 34555), (539, 34504), (540, 34501), (566, 34435), (580, 34405), (592, 34375), (614, 34330), (635, 34291), (695, 34111), (705, 34063), (723, 34015), (732, 33976), (735, 33958), (745, 33919), (758, 33898), (765, 33877), (770, 33862), (808, 33739), (875, 33568), (880, 33544), (895, 33496), (898, 33484), (909, 33463), (912, 33457), (928, 33409), (935, 33394),

Gene: BirdsNest_61 Start: 54182, Stop: 52338, Start Num: 222

Candidate Starts for BirdsNest_61:

(Start: 222 @54182 has 2 MA's), (260, 54125), (271, 54098), (319, 53996), (371, 53909), (393, 53855), (399, 53834), (408, 53810), (413, 53795), (445, 53690), (499, 53597), (502, 53585), (516, 53549), (557, 53444), (627, 53297), (656, 53213), (658, 53207), (676, 53147), (677, 53144), (684, 53108), (696, 53051), (727, 52943), (729, 52937), (732, 52928), (765, 52814), (771, 52796), (796, 52718), (800, 52706), (806, 52685), (840, 52616), (849, 52601), (857, 52556), (864, 52532), (879, 52493), (881, 52478), (884, 52463), (892, 52439), (908, 52394), (911, 52388), (922, 52364),

Gene: Bishoperium_60 Start: 54582, Stop: 52723, Start Num: 197

Candidate Starts for Bishoperium_60:

(Start: 175 @54606 has 5 MA's), (Start: 197 @54582 has 267 MA's), (Start: 231 @54558 has 5 MA's), (Start: 243 @54552 has 2 MA's), (260, 54510), (267, 54489), (316, 54375), (319, 54369), (337, 54339), (371, 54279), (381, 54258), (399, 54204), (403, 54192), (409, 54174), (413, 54162), (445, 54057), (486, 54000), (499, 53964), (502, 53952), (512, 53925), (524, 53898), (531, 53880), (539, 53862), (553, 53823), (556, 53814), (557, 53811), (558, 53808), (690, 53451), (696, 53418), (702,

53397), (729, 53304), (732, 53295), (747, 53232), (765, 53196), (766, 53193), (771, 53178), (796, 53100), (800, 53088), (806, 53067), (822, 53028), (857, 52938), (862, 52920), (864, 52914), (870, 52899), (879, 52875), (881, 52860), (882, 52857), (884, 52845), (892, 52821), (911, 52773), (922, 52749),

Gene: Biskit_45 Start: 32515, Stop: 30125, Start Num: 32

Candidate Starts for Biskit_45:

(Start: 32 @32515 has 16 MA's), (58, 32452), (63, 32434), (66, 32419), (83, 32365), (87, 32353), (94, 32332), (106, 32299), (116, 32272), (121, 32248), (147, 32221), (211, 32116), (251, 32068), (311, 31951), (352, 31870), (368, 31843), (379, 31822), (398, 31768), (399, 31765), (405, 31747), (412, 31726), (432, 31666), (489, 31468), (500, 31426), (547, 31339), (570, 31315), (586, 31309), (609, 31255), (612, 31249), (633, 31207), (634, 31204), (635, 31201), (685, 31054), (693, 31012), (701, 30985), (712, 30943), (735, 30850), (744, 30814), (746, 30808), (748, 30802), (750, 30796), (757, 30772), (766, 30739), (773, 30715), (783, 30670), (801, 30610), (854, 30457), (896, 30289), (910, 30244), (914, 30235), (918, 30226),

Gene: BlackStallion_62 Start: 54311, Stop: 52452, Start Num: 197

Candidate Starts for BlackStallion_62:

(Start: 175 @54335 has 5 MA's), (Start: 197 @54311 has 267 MA's), (Start: 231 @54287 has 5 MA's), (Start: 243 @54281 has 2 MA's), (260, 54239), (267, 54218), (316, 54104), (319, 54098), (337, 54068), (371, 54008), (381, 53987), (399, 53933), (403, 53921), (409, 53903), (413, 53891), (445, 53786), (486, 53729), (499, 53693), (502, 53681), (511, 53657), (516, 53645), (524, 53627), (531, 53609), (539, 53591), (553, 53552), (556, 53543), (557, 53540), (558, 53537), (690, 53180), (696, 53147), (702, 53126), (729, 53033), (732, 53024), (747, 52961), (765, 52925), (766, 52922), (771, 52907), (796, 52829), (800, 52817), (806, 52796), (822, 52757), (857, 52667), (862, 52649), (864, 52643), (870, 52628), (879, 52604), (881, 52589), (882, 52586), (884, 52574), (892, 52550), (911, 52502), (922, 52478),

Gene: Blackmoor_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Blackmoor_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Blage_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for Blage_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (751, 27665), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Blinn1_48 Start: 30144, Stop: 28303, Start Num: 229

Candidate Starts for Blinn1_48:

(Start: 229 @30144 has 918 MA's), (341, 29940), (382, 29865), (383, 29862), (398, 29820), (402, 29808), (418, 29757), (448, 29655), (500, 29562), (512, 29523), (519, 29505), (528, 29490), (553, 29424), (567, 29391), (569, 29388), (615, 29286), (649, 29226), (678, 29142), (695, 29061), (718, 28977), (719, 28974), (723, 28965), (728, 28938), (732, 28926), (735, 28908), (758, 28848), (771, 28809), (777, 28785), (853, 28593), (854, 28590), (857, 28569), (898, 28434), (903, 28422), (909,

28413), (911, 28410), (947, 28317),

Gene: Blocker23_57 Start: 52599, Stop: 50770, Start Num: 189

Candidate Starts for Blocker23_57:

(Start: 189 @52599 has 57 MA's), (Start: 243 @52572 has 2 MA's), (254, 52542), (260, 52530), (271, 52503), (273, 52500), (278, 52491), (298, 52473), (343, 52377), (371, 52326), (382, 52302), (391, 52278), (434, 52140), (442, 52116), (445, 52104), (486, 52047), (499, 52011), (502, 51999), (511, 51975), (546, 51891), (556, 51861), (557, 51858), (570, 51828), (633, 51684), (659, 51618), (673, 51579), (676, 51567), (679, 51546), (684, 51528), (696, 51471), (723, 51387), (729, 51357), (732, 51348), (747, 51282), (763, 51255), (765, 51246), (771, 51228), (777, 51204), (796, 51150), (800, 51138), (806, 51117), (840, 51048), (857, 50988), (862, 50970), (875, 50937), (879, 50925), (881, 50910), (882, 50907), (884, 50895), (892, 50871), (893, 50868), (911, 50820), (912, 50817), (922, 50796), (925, 50775),

Gene: Bloom_103 Start: 78450, Stop: 80246, Start Num: 245

Candidate Starts for Bloom_103:

(Start: 245 @78450 has 2 MA's), (296, 78546), (403, 78762), (412, 78789), (415, 78795), (440, 78864), (451, 78900), (532, 79047), (535, 79053), (543, 79074), (548, 79089), (635, 79278), (658, 79323), (671, 79356), (675, 79374), (682, 79407), (692, 79446), (695, 79467), (698, 79473), (726, 79587), (744, 79671), (746, 79677), (750, 79689), (764, 79737), (767, 79749), (777, 79785), (789, 79818), (792, 79827), (806, 79872), (812, 79890), (849, 79974), (853, 79995), (858, 80022), (862, 80037), (875, 80070), (880, 80094), (885, 80118), (898, 80154), (913, 80181),

Gene: BluSpix_42 Start: 30791, Stop: 28962, Start Num: 229

Candidate Starts for BluSpix_42:

(Start: 229 @30791 has 918 MA's), (347, 30578), (382, 30515), (394, 30485), (400, 30464), (402, 30458), (404, 30449), (440, 30332), (448, 30305), (500, 30212), (504, 30197), (516, 30164), (539, 30113), (540, 30110), (566, 30044), (592, 29984), (614, 29939), (635, 29900), (695, 29720), (705, 29672), (723, 29624), (732, 29585), (735, 29567), (745, 29528), (758, 29507), (765, 29486), (770, 29471), (808, 29348), (875, 29177), (880, 29153), (895, 29105), (898, 29093), (909, 29072), (912, 29066), (928, 29018), (935, 29003),

Gene: Blue_44 Start: 34966, Stop: 33140, Start Num: 229

Candidate Starts for Blue_44:

(Start: 229 @34966 has 918 MA's), (347, 34753), (354, 34738), (394, 34660), (400, 34639), (402, 34633), (404, 34624), (440, 34507), (448, 34480), (500, 34387), (504, 34372), (539, 34288), (540, 34285), (566, 34219), (580, 34189), (592, 34159), (614, 34114), (635, 34075), (695, 33895), (705, 33847), (707, 33844), (719, 33808), (735, 33742), (745, 33703), (758, 33682), (765, 33661), (771, 33643), (792, 33577), (853, 33427), (854, 33424), (861, 33388), (870, 33364), (878, 33343), (881, 33325), (883, 33316), (898, 33268), (909, 33247),

Gene: Blue7_48 Start: 29980, Stop: 28181, Start Num: 229

Candidate Starts for Blue7_48:

(Start: 229 @29980 has 918 MA's), (341, 29776), (347, 29767), (382, 29701), (383, 29698), (394, 29671), (398, 29656), (402, 29644), (418, 29593), (444, 29503), (448, 29491), (500, 29398), (516, 29350), (519, 29341), (595, 29158), (673, 29008), (695, 28903), (707, 28846), (719, 28810), (723, 28801), (728, 28774), (735, 28744), (745, 28705), (758, 28684), (769, 28651), (771, 28645), (802, 28546), (828, 28483), (853, 28429), (857, 28405), (877, 28348), (898, 28270), (903, 28258), (909, 28249), (911, 28246),

Gene: BlueBird_47 Start: 31555, Stop: 29717, Start Num: 229

Candidate Starts for BlueBird_47:

(Start: 229 @31555 has 918 MA's), (261, 31504), (298, 31438), (341, 31351), (378, 31291), (382, 31279), (402, 31222), (404, 31213), (441, 31093), (448, 31069), (500, 30973), (517, 30925), (543, 30865), (569, 30802), (598, 30733), (611, 30712), (650, 30640), (668, 30598), (678, 30556), (695, 30475), (705, 30427), (728, 30352), (735, 30322), (742, 30292), (766, 30211), (777, 30172), (786, 30148), (792, 30130), (840, 30001), (857, 29941), (898, 29806), (903, 29794), (909, 29785),

Gene: BlueHusk_62 Start: 54066, Stop: 52207, Start Num: 197

Candidate Starts for BlueHusk_62:

(Start: 175 @54090 has 5 MA's), (Start: 197 @54066 has 267 MA's), (Start: 231 @54042 has 5 MA's), (Start: 243 @54036 has 2 MA's), (253, 54009), (260, 53994), (267, 53973), (316, 53859), (319, 53853), (337, 53823), (371, 53763), (381, 53742), (399, 53688), (403, 53676), (409, 53658), (413, 53646), (445, 53541), (486, 53484), (499, 53448), (502, 53436), (512, 53409), (516, 53400), (531, 53364), (553, 53307), (556, 53298), (557, 53295), (558, 53292), (690, 52935), (696, 52902), (702, 52881), (729, 52788), (732, 52779), (747, 52716), (765, 52680), (766, 52677), (771, 52662), (796, 52584), (800, 52572), (806, 52551), (822, 52512), (857, 52422), (862, 52404), (864, 52398), (870, 52383), (879, 52359), (881, 52344), (882, 52341), (884, 52329), (892, 52305), (911, 52257), (922, 52233),

Gene: BlueNGold_170 Start: 99709, Stop: 97928, Start Num: 242

Candidate Starts for BlueNGold_170:

(Start: 242 @99709 has 4 MA's), (261, 99664), (271, 99637), (325, 99544), (356, 99484), (361, 99481), (365, 99472), (381, 99448), (396, 99406), (397, 99403), (412, 99358), (429, 99316), (446, 99262), (500, 99178), (532, 99094), (543, 99067), (548, 99052), (622, 98893), (635, 98869), (642, 98854), (649, 98845), (680, 98758), (687, 98731), (688, 98728), (692, 98707), (695, 98686), (706, 98635), (732, 98551), (737, 98524), (742, 98491), (754, 98449), (789, 98338), (798, 98311), (809, 98275), (813, 98266), (815, 98263), (818, 98254), (858, 98134), (864, 98113), (868, 98107), (879, 98074), (882, 98056), (883, 98050), (894, 98017), (898, 98002), (915, 97978), (917, 97975), (927, 97951),

Gene: Bluefalcon_37 Start: 30628, Stop: 28769, Start Num: 229

Candidate Starts for Bluefalcon_37:

(Start: 229 @30628 has 918 MA's), (261, 30577), (296, 30517), (327, 30454), (341, 30424), (343, 30421), (378, 30364), (394, 30322), (402, 30295), (448, 30142), (500, 30046), (510, 30013), (516, 29998), (550, 29914), (553, 29908), (567, 29875), (607, 29788), (614, 29776), (635, 29737), (664, 29677), (695, 29542), (704, 29512), (705, 29494), (718, 29458), (719, 29455), (735, 29389), (745, 29350), (765, 29308), (771, 29290), (786, 29242), (788, 29236), (802, 29191), (823, 29137), (828, 29128), (840, 29110), (862, 29032), (880, 28975), (891, 28939), (898, 28915), (903, 28903), (952, 28786), (953, 28783),

Gene: Bluephacebaby_60 Start: 54585, Stop: 52726, Start Num: 197

Candidate Starts for Bluephacebaby_60:

(Start: 175 @54609 has 5 MA's), (Start: 197 @54585 has 267 MA's), (Start: 231 @54561 has 5 MA's), (Start: 243 @54555 has 2 MA's), (260, 54513), (267, 54492), (316, 54378), (319, 54372), (337, 54342), (371, 54282), (381, 54261), (399, 54207), (403, 54195), (409, 54177), (413, 54165), (445, 54060), (486, 54003), (499, 53967), (502, 53955), (512, 53928), (531, 53883), (553, 53826), (556, 53817), (557, 53814), (690, 53454), (696, 53421), (702, 53400), (729, 53307), (732, 53298), (747, 53235), (765, 53199), (766, 53196), (771, 53181), (796, 53103), (800, 53091), (806, 53070), (822, 53031), (857, 52941), (862, 52923), (864, 52917), (870, 52902), (879, 52878), (881, 52863), (882, 52860), (884, 52848), (892, 52824), (911, 52776), (922, 52752),

Gene: Bob3_42 Start: 33539, Stop: 31710, Start Num: 229

Candidate Starts for Bob3_42:

(Start: 229 @33539 has 918 MA's), (347, 33326), (354, 33311), (382, 33263), (394, 33233), (400, 33212), (402, 33206), (404, 33197), (440, 33080), (448, 33053), (500, 32960), (504, 32945), (511, 32924), (539, 32861), (540, 32858), (566, 32792), (580, 32762), (592, 32732), (614, 32687), (635, 32648), (695, 32468), (705, 32420), (723, 32372), (732, 32333), (735, 32315), (745, 32276), (758, 32255), (765, 32234), (808, 32096), (875, 31925), (880, 31901), (890, 31868), (895, 31853), (898, 31841), (909, 31820), (912, 31814), (928, 31766), (935, 31751),

Gene: BobRoss2024_51 Start: 46234, Stop: 44420, Start Num: 236

Candidate Starts for BobRoss2024_51:

(Start: 236 @46234 has 14 MA's), (253, 46198), (273, 46153), (316, 46057), (337, 46024), (340, 46021), (343, 46015), (365, 45973), (412, 45853), (445, 45754), (486, 45697), (549, 45532), (557, 45508), (676, 45217), (684, 45178), (691, 45148), (696, 45121), (729, 45007), (732, 44998), (765, 44899), (766, 44896), (771, 44881), (796, 44803), (800, 44791), (806, 44770), (852, 44674), (858, 44638), (864, 44617), (879, 44578), (881, 44563), (884, 44542), (892, 44518), (911, 44470), (922, 44446), (925, 44425),

Gene: BobSwaget_44 Start: 31390, Stop: 29603, Start Num: 229

Candidate Starts for BobSwaget_44:

(Start: 229 @31390 has 918 MA's), (343, 31183), (347, 31177), (365, 31147), (382, 31114), (383, 31111), (398, 31069), (402, 31057), (448, 30904), (500, 30811), (516, 30763), (519, 30754), (528, 30739), (553, 30673), (611, 30544), (678, 30400), (695, 30319), (707, 30268), (718, 30235), (719, 30232), (735, 30166), (745, 30127), (758, 30106), (781, 30031), (786, 30019), (811, 29941), (828, 29905), (840, 29887), (853, 29851), (857, 29827), (881, 29749), (898, 29692), (903, 29680), (909, 29671),

Gene: BobbyDazzler_36 Start: 28159, Stop: 26375, Start Num: 229

Candidate Starts for BobbyDazzler_36:

(Start: 229 @28159 has 918 MA's), (361, 27925), (378, 27895), (381, 27886), (382, 27883), (398, 27838), (402, 27826), (404, 27817), (418, 27775), (448, 27673), (477, 27652), (500, 27580), (514, 27535), (516, 27532), (536, 27490), (538, 27484), (543, 27469), (553, 27442), (598, 27337), (614, 27310), (635, 27271), (695, 27091), (705, 27043), (735, 26938), (736, 26935), (758, 26878), (765, 26857), (779, 26809), (804, 26734), (837, 26665), (853, 26623), (857, 26599), (881, 26521), (898, 26464), (903, 26452), (925, 26395),

Gene: BobbyK_54 Start: 53968, Stop: 52145, Start Num: 189

Candidate Starts for BobbyK_54:

(Start: 175 @53986 has 5 MA's), (Start: 189 @53968 has 57 MA's), (Start: 243 @53944 has 2 MA's), (253, 53917), (260, 53902), (267, 53881), (308, 53794), (368, 53689), (386, 53647), (409, 53581), (420, 53551), (422, 53542), (425, 53539), (426, 53536), (434, 53509), (486, 53416), (493, 53398), (499, 53380), (502, 53368), (512, 53341), (539, 53278), (553, 53239), (556, 53230), (557, 53227), (570, 53197), (586, 53161), (676, 52936), (677, 52933), (684, 52897), (690, 52873), (696, 52840), (727, 52732), (729, 52726), (732, 52717), (765, 52618), (766, 52615), (771, 52600), (796, 52522), (800, 52510), (806, 52489), (808, 52480), (822, 52450), (840, 52420), (852, 52393), (857, 52360), (864, 52336), (879, 52297), (882, 52279), (884, 52267), (892, 52243), (908, 52201), (911, 52195), (922, 52171),

Gene: Boehler_60 Start: 54229, Stop: 52370, Start Num: 197

Candidate Starts for Boehler_60:

(Start: 175 @54253 has 5 MA's), (Start: 197 @54229 has 267 MA's), (Start: 231 @54205 has 5 MA's), (Start: 243 @54199 has 2 MA's), (260, 54157), (267, 54136), (316, 54022), (319, 54016), (337, 53986), (371, 53926), (381, 53905), (399, 53851), (403, 53839), (409, 53821), (413, 53809), (445, 53704), (486, 53647), (499, 53611), (502, 53599), (511, 53575), (516, 53563), (524, 53545), (531, 53527), (539, 53509), (553, 53470), (556, 53461), (557, 53458), (558, 53455), (690, 53098), (696,

53065), (702, 53044), (729, 52951), (732, 52942), (747, 52879), (765, 52843), (766, 52840), (771, 52825), (796, 52747), (800, 52735), (806, 52714), (822, 52675), (857, 52585), (862, 52567), (864, 52561), (870, 52546), (879, 52522), (881, 52507), (882, 52504), (884, 52492), (892, 52468), (911, 52420), (922, 52396),

Gene: Boersma_57 Start: 36879, Stop: 34711, Start Num: 218

Candidate Starts for Boersma_57:

(215, 36882), (Start: 218 @36879 has 13 MA's), (253, 36825), (291, 36741), (354, 36588), (359, 36579), (382, 36534), (403, 36456), (406, 36447), (411, 36432), (417, 36417), (418, 36414), (434, 36357), (461, 36264), (467, 36222), (523, 36027), (527, 36015), (529, 36009), (539, 35985), (546, 35964), (555, 35943), (559, 35928), (563, 35922), (591, 35859), (614, 35808), (644, 35721), (666, 35661), (678, 35613), (703, 35511), (704, 35505), (709, 35478), (710, 35475), (718, 35454), (729, 35412), (731, 35406), (736, 35382), (743, 35340), (744, 35337), (752, 35310), (760, 35277), (764, 35265), (774, 35229), (781, 35205), (783, 35199), (786, 35193), (803, 35139), (822, 35091), (823, 35088), (848, 35028), (853, 35004), (859, 34974), (876, 34920), (895, 34851), (898, 34839), (911, 34800),

Gene: BogosyJay_44 Start: 31342, Stop: 29549, Start Num: 229

Candidate Starts for BogosyJay_44:

(Start: 229 @31342 has 918 MA's), (Start: 244 @31333 has 1 MA's), (296, 31231), (325, 31171), (327, 31168), (341, 31138), (347, 31129), (365, 31096), (382, 31063), (383, 31060), (394, 31033), (398, 31018), (402, 31006), (448, 30853), (500, 30760), (553, 30622), (566, 30592), (649, 30421), (666, 30394), (668, 30388), (695, 30265), (732, 30130), (735, 30112), (765, 30031), (802, 29914), (853, 29797), (857, 29773), (881, 29695), (898, 29638), (903, 29626), (909, 29617),

Gene: Bombshell_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Bombshell_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Bonamassa_39 Start: 30653, Stop: 28809, Start Num: 229

Candidate Starts for Bonamassa_39:

(Start: 229 @30653 has 918 MA's), (261, 30602), (296, 30542), (327, 30479), (341, 30449), (343, 30446), (378, 30389), (382, 30377), (394, 30347), (402, 30320), (448, 30167), (500, 30071), (516, 30023), (550, 29939), (553, 29933), (586, 29861), (598, 29828), (607, 29813), (614, 29801), (664, 29702), (695, 29567), (704, 29537), (705, 29519), (707, 29516), (719, 29480), (723, 29471), (726, 29450), (729, 29441), (735, 29414), (736, 29411), (758, 29354), (765, 29333), (802, 29216), (823, 29162), (828, 29153), (840, 29135), (857, 29075), (862, 29057), (880, 29000), (891, 28964), (898, 28940), (903, 28928),

Gene: Bonanza_36 Start: 28087, Stop: 26303, Start Num: 229

Candidate Starts for Bonanza_36:

(Start: 229 @28087 has 918 MA's), (361, 27853), (378, 27823), (381, 27814), (382, 27811), (398, 27766), (402, 27754), (404, 27745), (418, 27703), (448, 27601), (477, 27580), (500, 27508), (514, 27463), (516, 27460), (536, 27418), (538, 27412), (543, 27397), (553, 27370), (598, 27265), (614, 27238), (635, 27199), (695, 27019), (705, 26971), (735, 26866), (736, 26863), (758, 26806), (765, 26785), (779, 26737), (804, 26662), (837, 26593), (853, 26551), (857, 26527), (881, 26449), (898, 26392), (903, 26380), (925, 26323),

Gene: Bones_45 Start: 35104, Stop: 33317, Start Num: 229

Candidate Starts for Bones_45:

(Start: 229 @35104 has 918 MA's), (347, 34891), (354, 34876), (394, 34798), (400, 34777), (402, 34771), (404, 34762), (440, 34645), (448, 34618), (500, 34525), (504, 34510), (539, 34426), (540, 34423), (566, 34357), (580, 34327), (592, 34297), (614, 34252), (635, 34213), (695, 34033), (705, 33985), (719, 33946), (735, 33880), (763, 33808), (765, 33799), (792, 33715), (823, 33628), (870, 33502), (875, 33490), (898, 33406), (901, 33400),

Gene: BonesMcCoy_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for BonesMcCoy_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (407, 28661), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (629, 28067), (654, 28013), (661, 27992), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Bonino_38 Start: 28608, Stop: 26743, Start Num: 270

Candidate Starts for Bonino_38:

(Start: 216 @28695 has 3 MA's), (Start: 270 @28608 has 147 MA's), (Start: 276 @28599 has 5 MA's), (333, 28494), (336, 28485), (353, 28455), (355, 28452), (408, 28332), (412, 28320), (415, 28314), (449, 28209), (456, 28182), (493, 28041), (497, 28035), (498, 28032), (500, 28020), (508, 27993), (509, 27990), (514, 27975), (516, 27969), (518, 27963), (531, 27930), (602, 27801), (629, 27741), (728, 27426), (731, 27417), (732, 27414), (735, 27396), (746, 27354), (748, 27348), (756, 27324), (773, 27267), (820, 27108), (834, 27078), (836, 27069), (854, 27009), (858, 26985), (870, 26946), (879, 26913), (880, 26901), (896, 26841),

Gene: Boohoo_47 Start: 29967, Stop: 28177, Start Num: 229

Candidate Starts for Boohoo_47:

(Start: 229 @29967 has 918 MA's), (327, 29793), (382, 29688), (383, 29685), (394, 29658), (402, 29631), (418, 29580), (448, 29478), (500, 29385), (514, 29340), (516, 29337), (519, 29328), (588, 29166), (598, 29139), (611, 29118), (614, 29112), (669, 29013), (678, 28974), (690, 28923), (695, 28893), (707, 28842), (718, 28809), (726, 28776), (728, 28770), (735, 28740), (758, 28680), (765, 28659), (777, 28617), (787, 28590), (792, 28575), (823, 28488), (853, 28425), (854, 28422), (898, 28266), (903, 28254), (911, 28242),

Gene: Boopy_173 Start: 99720, Stop: 97939, Start Num: 242

Candidate Starts for Boopy_173:

(Start: 242 @99720 has 4 MA's), (261, 99675), (271, 99648), (325, 99555), (356, 99495), (361, 99492), (365, 99483), (381, 99459), (396, 99417), (397, 99414), (412, 99369), (429, 99327), (446, 99273), (500, 99189), (532, 99105), (543, 99078), (548, 99063), (622, 98904), (635, 98880), (642, 98865), (649, 98856), (680, 98769), (687, 98742), (688, 98739), (692, 98718), (695, 98697), (706, 98646), (732, 98562), (737, 98535), (742, 98502), (754, 98460), (789, 98349), (798, 98322), (809, 98286), (813, 98277), (815, 98274), (818, 98265), (858, 98145), (864, 98124), (868, 98118), (879, 98085), (882, 98067), (883, 98061), (894, 98028), (898, 98013), (915, 97989), (917, 97986), (927, 97962),

Gene: BouleyBill_36 Start: 28490, Stop: 26640, Start Num: 268

Candidate Starts for BouleyBill_36:

(Start: 268 @28490 has 18 MA's), (336, 28367), (355, 28334), (405, 28223), (412, 28202), (415, 28196), (417, 28187), (431, 28145), (479, 27989), (493, 27935), (497, 27929), (498, 27926), (500, 27914), (509, 27884), (530, 27827), (610, 27680), (670, 27533), (728, 27323), (732, 27311), (735, 27293), (746, 27251), (751, 27236), (773, 27164), (834, 26975), (836, 26966), (854, 26906), (858,

26882), (869, 26849), (896, 26738),

Gene: Bowtie_45 Start: 30783, Stop: 28996, Start Num: 229

Candidate Starts for Bowtie_45:

(Start: 229 @30783 has 918 MA's), (341, 30579), (382, 30507), (394, 30477), (402, 30450), (501, 30198), (519, 30147), (553, 30066), (575, 30021), (611, 29937), (640, 29880), (667, 29838), (678, 29793), (695, 29712), (707, 29661), (719, 29625), (735, 29559), (758, 29499), (763, 29487), (795, 29385), (802, 29361), (807, 29343), (840, 29280), (852, 29253), (853, 29244), (857, 29220), (898, 29085), (903, 29073), (909, 29064),

Gene: Boyle_57 Start: 52628, Stop: 50799, Start Num: 189

Candidate Starts for Boyle_57:

(Start: 189 @52628 has 57 MA's), (Start: 243 @52601 has 2 MA's), (254, 52571), (260, 52559), (271, 52532), (273, 52529), (278, 52520), (298, 52502), (343, 52406), (371, 52355), (382, 52331), (391, 52307), (434, 52169), (442, 52145), (445, 52133), (486, 52076), (499, 52040), (502, 52028), (511, 52004), (546, 51920), (556, 51890), (557, 51887), (570, 51857), (633, 51713), (659, 51647), (673, 51608), (676, 51596), (679, 51575), (684, 51557), (696, 51500), (723, 51416), (729, 51386), (732, 51377), (747, 51311), (763, 51284), (765, 51275), (771, 51257), (777, 51233), (796, 51179), (800, 51167), (806, 51146), (840, 51077), (857, 51017), (862, 50999), (875, 50966), (879, 50954), (881, 50939), (882, 50936), (884, 50924), (892, 50900), (893, 50897), (911, 50849), (912, 50846), (922, 50825), (925, 50804),

Gene: Brad_36 Start: 31887, Stop: 30142, Start Num: 257

Candidate Starts for Brad_36:

(247, 31914), (Start: 257 @31887 has 6 MA's), (259, 31884), (272, 31851), (274, 31845), (321, 31752), (339, 31719), (354, 31692), (414, 31557), (453, 31428), (481, 31422), (487, 31398), (495, 31383), (502, 31356), (512, 31326), (543, 31245), (546, 31236), (573, 31176), (583, 31155), (637, 31041), (645, 31023), (745, 30645), (758, 30627), (778, 30561), (783, 30546), (861, 30327), (875, 30285), (898, 30201), (912, 30168),

Gene: Bradman_44 Start: 30374, Stop: 28545, Start Num: 228

Candidate Starts for Bradman_44:

(Start: 228 @30374 has 10 MA's), (341, 30170), (343, 30167), (347, 30161), (354, 30146), (365, 30131), (381, 30101), (382, 30098), (394, 30068), (402, 30041), (408, 30020), (418, 29990), (448, 29888), (500, 29795), (516, 29747), (519, 29738), (528, 29723), (553, 29657), (588, 29576), (611, 29528), (635, 29483), (695, 29303), (705, 29255), (707, 29252), (719, 29216), (735, 29150), (745, 29111), (758, 29090), (781, 29015), (788, 28997), (802, 28952), (811, 28925), (828, 28889), (840, 28871), (853, 28835), (857, 28811), (881, 28733), (898, 28676), (903, 28664), (909, 28655), (925, 28607), (941, 28577), (948, 28559), (950, 28556),

Gene: Bradshaw_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for Bradshaw_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (923, 26367), (925, 26349),

Gene: Brahms_40 Start: 27441, Stop: 29309, Start Num: 226

Candidate Starts for Brahms_40:

(Start: 226 @27441 has 7 MA's), (Start: 229 @27444 has 918 MA's), (232, 27447), (266, 27516), (418, 27825), (437, 27879), (512, 28044), (543, 28119), (550, 28140), (683, 28494), (695, 28554), (707,

28605), (726, 28671), (735, 28707), (764, 28800), (821, 28971), (853, 29043), (877, 29124), (897, 29199), (898, 29202), (909, 29223), (937, 29292),

Gene: BreSam8_48 Start: 31846, Stop: 30032, Start Num: 229

Candidate Starts for BreSam8_48:

(Start: 229 @31846 has 918 MA's), (255, 31807), (261, 31795), (341, 31642), (349, 31627), (382, 31570), (402, 31513), (404, 31504), (418, 31462), (432, 31411), (448, 31360), (500, 31267), (516, 31219), (519, 31210), (528, 31195), (543, 31156), (553, 31129), (566, 31099), (607, 31006), (639, 30946), (649, 30931), (695, 30775), (719, 30688), (735, 30622), (745, 30583), (766, 30511), (777, 30472), (786, 30448), (792, 30430), (802, 30397), (811, 30370), (840, 30316), (857, 30256), (881, 30178), (898, 30121), (903, 30109), (909, 30100),

Gene: Briakila_57 Start: 53649, Stop: 51832, Start Num: 238

Candidate Starts for Briakila_57:

(124, 53832), (Start: 238 @53649 has 44 MA's), (253, 53619), (347, 53439), (408, 53286), (412, 53274), (422, 53244), (426, 53238), (445, 53175), (447, 53169), (486, 53118), (498, 53091), (499, 53082), (516, 53034), (557, 52929), (596, 52833), (627, 52782), (676, 52638), (684, 52599), (691, 52569), (696, 52542), (700, 52530), (727, 52434), (729, 52428), (732, 52419), (734, 52407), (759, 52335), (765, 52305), (771, 52287), (773, 52278), (796, 52209), (800, 52197), (806, 52176), (840, 52107), (849, 52092), (854, 52068), (857, 52047), (862, 52029), (864, 52023), (877, 51990), (879, 51984), (882, 51966), (884, 51954), (888, 51942), (892, 51930), (908, 51888), (922, 51858),

Gene: Brilliant_63 Start: 54544, Stop: 52685, Start Num: 197

Candidate Starts for Brilliant_63:

(Start: 175 @54568 has 5 MA's), (Start: 197 @54544 has 267 MA's), (Start: 231 @54520 has 5 MA's), (Start: 243 @54514 has 2 MA's), (260, 54472), (267, 54451), (316, 54337), (319, 54331), (337, 54301), (371, 54241), (381, 54220), (399, 54166), (403, 54154), (409, 54136), (413, 54124), (445, 54019), (486, 53962), (499, 53926), (502, 53914), (511, 53890), (516, 53878), (524, 53860), (531, 53842), (539, 53824), (553, 53785), (556, 53776), (557, 53773), (558, 53770), (690, 53413), (696, 53380), (702, 53359), (729, 53266), (732, 53257), (747, 53194), (765, 53158), (766, 53155), (771, 53140), (796, 53062), (800, 53050), (806, 53029), (822, 52990), (857, 52900), (862, 52882), (864, 52876), (870, 52861), (879, 52837), (881, 52822), (882, 52819), (884, 52807), (892, 52783), (911, 52735), (922, 52711),

Gene: Briton15_46 Start: 34660, Stop: 32834, Start Num: 229

Candidate Starts for Briton15_46:

(Start: 229 @34660 has 918 MA's), (347, 34447), (354, 34432), (382, 34384), (394, 34354), (400, 34333), (402, 34327), (404, 34318), (440, 34201), (448, 34174), (500, 34081), (504, 34066), (516, 34033), (539, 33982), (540, 33979), (566, 33913), (580, 33883), (592, 33853), (614, 33808), (635, 33769), (695, 33589), (704, 33559), (705, 33541), (719, 33502), (735, 33436), (745, 33397), (758, 33376), (765, 33355), (771, 33337), (792, 33271), (853, 33121), (854, 33118), (861, 33082), (870, 33058), (874, 33049), (878, 33037), (898, 32962), (909, 32941),

Gene: Broseidon_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Broseidon_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: BrownCNA_55 Start: 54328, Stop: 52487, Start Num: 175

Candidate Starts for BrownCNA_55:

(Start: 175 @54328 has 5 MA's), (Start: 189 @54310 has 57 MA's), (Start: 243 @54286 has 2 MA's), (253, 54259), (260, 54244), (267, 54223), (308, 54136), (368, 54031), (381, 54004), (386, 53989), (409, 53923), (420, 53893), (422, 53884), (425, 53881), (426, 53878), (434, 53851), (486, 53758), (493, 53740), (499, 53722), (502, 53710), (512, 53683), (539, 53620), (553, 53581), (556, 53572), (557, 53569), (570, 53539), (586, 53503), (676, 53278), (677, 53275), (684, 53239), (690, 53215), (696, 53182), (727, 53074), (729, 53068), (732, 53059), (765, 52960), (766, 52957), (771, 52942), (796, 52864), (800, 52852), (806, 52831), (808, 52822), (822, 52792), (852, 52735), (857, 52702), (864, 52678), (879, 52639), (882, 52621), (884, 52609), (892, 52585), (908, 52543), (911, 52537), (922, 52513),

Gene: Brownie5_57 Start: 52641, Stop: 50812, Start Num: 189

Candidate Starts for Brownie5_57:

(Start: 189 @52641 has 57 MA's), (Start: 243 @52614 has 2 MA's), (254, 52584), (260, 52572), (271, 52545), (273, 52542), (278, 52533), (298, 52515), (343, 52419), (371, 52368), (382, 52344), (434, 52182), (439, 52167), (442, 52158), (445, 52146), (486, 52089), (499, 52053), (502, 52041), (511, 52017), (546, 51933), (556, 51903), (557, 51900), (570, 51870), (633, 51726), (659, 51660), (673, 51621), (676, 51609), (679, 51588), (684, 51570), (696, 51513), (715, 51456), (723, 51429), (729, 51399), (732, 51390), (747, 51324), (763, 51297), (765, 51288), (771, 51270), (777, 51246), (796, 51192), (800, 51180), (806, 51159), (840, 51090), (857, 51030), (862, 51012), (875, 50979), (879, 50967), (881, 50952), (882, 50949), (884, 50937), (892, 50913), (893, 50910), (911, 50862), (912, 50859), (922, 50838), (925, 50817),

Gene: Bruiser_44 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Bruiser_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Bruns_43 Start: 34261, Stop: 32435, Start Num: 229

Candidate Starts for Bruns_43:

(Start: 229 @34261 has 918 MA's), (347, 34048), (354, 34033), (394, 33955), (400, 33934), (402, 33928), (404, 33919), (440, 33802), (448, 33775), (500, 33682), (504, 33667), (511, 33646), (516, 33634), (539, 33583), (540, 33580), (566, 33514), (580, 33484), (592, 33454), (614, 33409), (635, 33370), (695, 33190), (705, 33142), (719, 33103), (735, 33037), (745, 32998), (758, 32977), (765, 32956), (771, 32938), (792, 32872), (853, 32722), (854, 32719), (861, 32683), (870, 32659), (874, 32650), (878, 32638), (898, 32563), (909, 32542),

Gene: Bryce_36 Start: 28088, Stop: 26304, Start Num: 229

Candidate Starts for Bryce_36:

(Start: 229 @28088 has 918 MA's), (361, 27854), (378, 27824), (381, 27815), (382, 27812), (398, 27767), (402, 27755), (418, 27704), (448, 27602), (477, 27581), (500, 27509), (516, 27461), (543, 27398), (553, 27371), (598, 27266), (614, 27239), (635, 27200), (695, 27020), (705, 26972), (735, 26867), (736, 26864), (758, 26807), (765, 26786), (804, 26663), (837, 26594), (853, 26552), (857, 26528), (881, 26450), (898, 26393), (903, 26381), (925, 26324),

Gene: BubbaBear_41 Start: 29478, Stop: 31352, Start Num: 229

Candidate Starts for BubbaBear_41:

(Start: 229 @29478 has 918 MA's), (266, 29547), (280, 29568), (404, 29814), (409, 29829), (418, 29856), (543, 30150), (648, 30384), (683, 30507), (695, 30567), (698, 30573), (707, 30618), (714, 30633), (716, 30648), (726, 30684), (735, 30720), (764, 30813), (793, 30906), (821, 30984), (853, 31056), (861, 31095), (877, 31137), (880, 31155), (898, 31215), (909, 31236),

Gene: BubbleTrouble_44 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for BubbleTrouble_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Buckeye_61 Start: 54843, Stop: 52984, Start Num: 197

Candidate Starts for Buckeye_61:

(Start: 175 @54867 has 5 MA's), (Start: 197 @54843 has 267 MA's), (Start: 231 @54819 has 5 MA's), (Start: 243 @54813 has 2 MA's), (260, 54771), (267, 54750), (316, 54636), (319, 54630), (337, 54600), (371, 54540), (381, 54519), (399, 54465), (403, 54453), (409, 54435), (413, 54423), (445, 54318), (486, 54261), (499, 54225), (502, 54213), (512, 54186), (524, 54159), (531, 54141), (539, 54123), (553, 54084), (556, 54075), (557, 54072), (664, 53814), (690, 53712), (696, 53679), (702, 53658), (729, 53565), (732, 53556), (747, 53493), (765, 53457), (766, 53454), (771, 53439), (796, 53361), (800, 53349), (806, 53328), (822, 53289), (857, 53199), (862, 53181), (864, 53175), (870, 53160), (879, 53136), (881, 53121), (882, 53118), (884, 53106), (892, 53082), (911, 53034), (922, 53010),

Gene: Bud_44 Start: 30338, Stop: 28551, Start Num: 229

Candidate Starts for Bud_44:

(Start: 229 @30338 has 918 MA's), (341, 30134), (382, 30062), (394, 30032), (402, 30005), (501, 29753), (519, 29702), (553, 29621), (575, 29576), (611, 29492), (640, 29435), (667, 29393), (678, 29348), (695, 29267), (707, 29216), (719, 29180), (735, 29114), (758, 29054), (795, 28940), (802, 28916), (807, 28898), (840, 28835), (852, 28808), (853, 28799), (857, 28775), (898, 28640), (903, 28628), (909, 28619),

Gene: Bugatti_46 Start: 31555, Stop: 29717, Start Num: 229

Candidate Starts for Bugatti_46:

(Start: 229 @31555 has 918 MA's), (261, 31504), (298, 31438), (341, 31351), (378, 31291), (382, 31279), (402, 31222), (404, 31213), (441, 31093), (448, 31069), (500, 30973), (517, 30925), (543, 30865), (569, 30802), (598, 30733), (611, 30712), (650, 30640), (668, 30598), (678, 30556), (695, 30475), (705, 30427), (728, 30352), (735, 30322), (742, 30292), (766, 30211), (777, 30172), (786, 30148), (792, 30130), (840, 30001), (857, 29941), (898, 29806), (903, 29794), (909, 29785),

Gene: Buggy_46 Start: 31852, Stop: 30065, Start Num: 229

Candidate Starts for Buggy_46:

(Start: 229 @31852 has 918 MA's), (341, 31648), (343, 31645), (347, 31639), (365, 31609), (382, 31576), (383, 31573), (394, 31546), (402, 31519), (418, 31468), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (553, 31135), (588, 31054), (611, 31006), (678, 30862), (695, 30781), (707, 30730), (718, 30697), (735, 30628), (745, 30589), (758, 30568), (765, 30547), (769, 30535), (837, 30355), (840, 30349), (853, 30313), (857, 30289), (881, 30211), (898, 30154), (903, 30142),

Gene: Buldak_40 Start: 28039, Stop: 29922, Start Num: 220

Candidate Starts for Buldak_40:

(129, 27883), (220, 28039), (248, 28057), (266, 28108), (280, 28129), (298, 28159), (341, 28246), (382, 28309), (394, 28339), (400, 28360), (404, 28375), (408, 28387), (524, 28669), (543, 28720), (550, 28741), (695, 29137), (698, 29143), (719, 29224), (726, 29254), (729, 29263), (735, 29290), (764, 29383), (792, 29473), (821, 29554), (823, 29560), (849, 29605), (857, 29650), (864, 29674), (877, 29707), (879, 29713), (880, 29725), (881, 29728), (898, 29785), (905, 29800), (909, 29806),

(920, 29830),

Gene: Bumblebee11_43 Start: 31522, Stop: 29693, Start Num: 229

Candidate Starts for Bumblebee11_43:

(Start: 229 @31522 has 918 MA's), (261, 31471), (273, 31441), (365, 31279), (376, 31261), (382, 31246), (402, 31189), (404, 31180), (441, 31060), (448, 31036), (483, 30994), (500, 30943), (517, 30895), (528, 30874), (543, 30835), (560, 30790), (564, 30784), (598, 30703), (611, 30682), (635, 30637), (692, 30472), (695, 30451), (735, 30298), (745, 30259), (766, 30187), (771, 30172), (777, 30148), (783, 30130), (786, 30124), (788, 30118), (857, 29917), (898, 29782), (903, 29770), (909, 29761),

Gene: Burger_43 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Burger_43:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Burnsey_43 Start: 32545, Stop: 30152, Start Num: 32

Candidate Starts for Burnsey_43:

(Start: 32 @32545 has 16 MA's), (42, 32539), (Start: 55 @32491 has 1 MA's), (66, 32449), (76, 32425), (116, 32299), (121, 32275), (156, 32230), (186, 32179), (198, 32164), (211, 32143), (251, 32095), (266, 32053), (311, 31978), (315, 31966), (352, 31897), (371, 31864), (379, 31849), (398, 31795), (399, 31792), (405, 31774), (412, 31753), (432, 31693), (469, 31570), (470, 31564), (489, 31495), (500, 31453), (547, 31366), (570, 31342), (586, 31336), (594, 31312), (599, 31303), (606, 31288), (612, 31276), (633, 31234), (634, 31231), (635, 31228), (685, 31081), (701, 31012), (702, 31006), (712, 30970), (735, 30877), (744, 30841), (746, 30835), (748, 30829), (750, 30823), (766, 30766), (773, 30742), (783, 30697), (896, 30316), (910, 30271), (914, 30262), (935, 30202),

Gene: Burr_60 Start: 54018, Stop: 52159, Start Num: 197

Candidate Starts for Burr_60:

(Start: 175 @54042 has 5 MA's), (Start: 197 @54018 has 267 MA's), (Start: 231 @53994 has 5 MA's), (Start: 243 @53988 has 2 MA's), (260, 53946), (267, 53925), (316, 53811), (319, 53805), (337, 53775), (371, 53715), (381, 53694), (399, 53640), (403, 53628), (409, 53610), (413, 53598), (445, 53493), (486, 53436), (499, 53400), (502, 53388), (512, 53361), (531, 53316), (539, 53298), (553, 53259), (556, 53250), (557, 53247), (690, 52887), (696, 52854), (702, 52833), (729, 52740), (732, 52731), (747, 52668), (765, 52632), (766, 52629), (771, 52614), (796, 52536), (800, 52524), (806, 52503), (822, 52464), (857, 52374), (862, 52356), (864, 52350), (870, 52335), (879, 52311), (881, 52296), (882, 52293), (884, 52281), (892, 52257), (911, 52209), (922, 52185),

Gene: Burritobowl_42 Start: 29479, Stop: 31353, Start Num: 229

Candidate Starts for Burritobowl_42:

(Start: 229 @29479 has 918 MA's), (266, 29548), (280, 29569), (404, 29815), (409, 29830), (418, 29857), (543, 30151), (598, 30286), (648, 30385), (683, 30508), (695, 30568), (698, 30574), (707, 30619), (714, 30634), (716, 30649), (726, 30685), (735, 30721), (764, 30814), (821, 30985), (853, 31057), (861, 31096), (877, 31138), (880, 31156), (891, 31192), (898, 31216), (909, 31237),

Gene: Burton_44 Start: 34084, Stop: 32258, Start Num: 229

Candidate Starts for Burton_44:

(Start: 229 @34084 has 918 MA's), (347, 33871), (354, 33856), (382, 33808), (394, 33778), (400, 33757), (402, 33751), (404, 33742), (440, 33625), (448, 33598), (500, 33505), (504, 33490), (516, 33457), (539, 33406), (540, 33403), (566, 33337), (580, 33307), (592, 33277), (614, 33232), (635,

33193), (695, 33013), (705, 32965), (719, 32926), (735, 32860), (745, 32821), (758, 32800), (765, 32779), (771, 32761), (792, 32695), (853, 32545), (854, 32542), (861, 32506), (870, 32482), (874, 32473), (878, 32461), (898, 32386), (909, 32365),

Gene: Bustleton_37 Start: 28493, Stop: 26643, Start Num: 268

Candidate Starts for Bustleton_37:

(Start: 268 @28493 has 18 MA's), (336, 28370), (355, 28337), (405, 28226), (412, 28205), (415, 28199), (431, 28148), (479, 27992), (493, 27938), (497, 27932), (498, 27929), (500, 27917), (509, 27887), (530, 27830), (610, 27683), (670, 27536), (728, 27326), (732, 27314), (735, 27296), (746, 27254), (751, 27239), (762, 27203), (773, 27167), (834, 26978), (836, 26969), (854, 26909), (858, 26885), (864, 26864), (869, 26852), (896, 26741),

Gene: Button_46 Start: 32802, Stop: 30418, Start Num: 39

Candidate Starts for Button_46:

(Start: 39 @32802 has 23 MA's), (76, 32688), (83, 32658), (121, 32550), (132, 32529), (241, 32391), (248, 32376), (266, 32328), (311, 32253), (313, 32247), (315, 32241), (317, 32235), (352, 32166), (366, 32142), (378, 32121), (379, 32118), (382, 32109), (405, 32043), (412, 32022), (460, 31875), (489, 31761), (501, 31713), (504, 31704), (511, 31683), (513, 31677), (594, 31584), (601, 31572), (634, 31500), (655, 31458), (659, 31446), (693, 31305), (699, 31281), (702, 31266), (712, 31230), (735, 31137), (744, 31101), (746, 31095), (748, 31089), (750, 31083), (766, 31026), (771, 31011), (773, 31002), (820, 30843), (830, 30822), (844, 30783), (854, 30744), (857, 30723), (863, 30702), (868, 30690), (873, 30672), (885, 30609), (887, 30603), (896, 30576), (902, 30552), (910, 30531), (944, 30444),

Gene: Buttons_43 Start: 33067, Stop: 31241, Start Num: 229

Candidate Starts for Buttons_43:

(Start: 229 @33067 has 918 MA's), (347, 32854), (378, 32803), (394, 32761), (400, 32740), (402, 32734), (404, 32725), (440, 32608), (448, 32581), (500, 32488), (504, 32473), (539, 32389), (540, 32386), (566, 32320), (580, 32290), (592, 32260), (614, 32215), (635, 32176), (695, 31996), (705, 31948), (719, 31909), (735, 31843), (745, 31804), (758, 31783), (765, 31762), (771, 31744), (792, 31678), (853, 31528), (854, 31525), (861, 31489), (870, 31465), (874, 31456), (878, 31444), (898, 31369), (909, 31348),

Gene: Buttrmlkdreams_45 Start: 32962, Stop: 30572, Start Num: 32

Candidate Starts for Buttrmlkdreams_45:

(Start: 32 @32962 has 16 MA's), (58, 32899), (63, 32881), (66, 32866), (83, 32812), (87, 32800), (94, 32779), (106, 32746), (116, 32719), (121, 32695), (147, 32668), (211, 32563), (251, 32515), (311, 32398), (352, 32317), (368, 32290), (379, 32269), (399, 32212), (405, 32194), (412, 32173), (432, 32113), (469, 31990), (470, 31984), (489, 31915), (500, 31873), (547, 31786), (570, 31762), (586, 31756), (594, 31732), (599, 31723), (606, 31708), (612, 31696), (633, 31654), (634, 31651), (635, 31648), (685, 31501), (701, 31432), (702, 31426), (712, 31390), (735, 31297), (744, 31261), (746, 31255), (748, 31249), (750, 31243), (766, 31186), (773, 31162), (783, 31117), (896, 30736), (910, 30691), (914, 30682), (935, 30622),

Gene: BuzzBuzz_46 Start: 31884, Stop: 30070, Start Num: 229

Candidate Starts for BuzzBuzz_46:

(Start: 229 @31884 has 918 MA's), (255, 31845), (261, 31833), (341, 31680), (349, 31665), (382, 31608), (402, 31551), (404, 31542), (418, 31500), (432, 31449), (448, 31398), (487, 31344), (500, 31305), (516, 31257), (528, 31233), (543, 31194), (553, 31167), (566, 31137), (607, 31044), (614, 31032), (639, 30984), (649, 30969), (695, 30813), (707, 30762), (718, 30729), (719, 30726), (735, 30660), (745, 30621), (766, 30549), (777, 30510), (786, 30486), (792, 30468), (802, 30435), (840, 30354), (857, 30294), (883, 30207), (898, 30159), (903, 30147), (909, 30138), (911, 30135),

Gene: Bxb1_41 Start: 34132, Stop: 32306, Start Num: 229

Candidate Starts for Bxb1_41:

(Start: 229 @34132 has 918 MA's), (325, 33961), (347, 33919), (354, 33904), (382, 33856), (394, 33826), (400, 33805), (402, 33799), (404, 33790), (440, 33673), (448, 33646), (500, 33553), (504, 33538), (511, 33517), (516, 33505), (539, 33454), (540, 33451), (560, 33397), (566, 33385), (580, 33355), (592, 33325), (614, 33280), (635, 33241), (695, 33061), (704, 33031), (705, 33013), (719, 32974), (735, 32908), (765, 32827), (766, 32824), (792, 32743), (853, 32593), (854, 32590), (861, 32554), (870, 32530), (874, 32521), (878, 32509), (883, 32482), (898, 32434), (909, 32413),

Gene: Bxz2_44 Start: 31891, Stop: 30077, Start Num: 229

Candidate Starts for Bxz2_44:

(Start: 229 @31891 has 918 MA's), (255, 31852), (261, 31840), (341, 31687), (349, 31672), (382, 31615), (402, 31558), (404, 31549), (418, 31507), (432, 31456), (448, 31405), (487, 31351), (500, 31312), (516, 31264), (528, 31240), (543, 31201), (553, 31174), (566, 31144), (607, 31051), (614, 31039), (639, 30991), (649, 30976), (695, 30820), (707, 30769), (718, 30736), (719, 30733), (735, 30667), (745, 30628), (766, 30556), (777, 30517), (786, 30493), (792, 30475), (802, 30442), (857, 30301), (883, 30214), (898, 30166), (903, 30154), (909, 30145), (911, 30142),

Gene: Byron23_39 Start: 28933, Stop: 27068, Start Num: 270

Candidate Starts for Byron23_39:

(Start: 216 @29020 has 3 MA's), (219, 29017), (Start: 270 @28933 has 147 MA's), (Start: 276 @28924 has 5 MA's), (333, 28819), (336, 28810), (353, 28780), (355, 28777), (408, 28657), (412, 28645), (415, 28639), (449, 28534), (456, 28507), (493, 28366), (497, 28360), (498, 28357), (500, 28345), (508, 28318), (509, 28315), (514, 28300), (516, 28294), (518, 28288), (531, 28255), (629, 28066), (728, 27751), (731, 27742), (732, 27739), (735, 27721), (746, 27679), (748, 27673), (751, 27664), (756, 27649), (773, 27592), (820, 27433), (834, 27403), (836, 27394), (854, 27334), (858, 27310), (870, 27271), (879, 27238), (880, 27226), (896, 27166),

Gene: C3_43 Start: 31569, Stop: 29770, Start Num: 229

Candidate Starts for C3_43:

(Start: 229 @31569 has 918 MA's), (341, 31365), (382, 31290), (383, 31287), (394, 31260), (398, 31245), (402, 31233), (418, 31182), (448, 31080), (500, 30987), (502, 30978), (516, 30939), (519, 30930), (553, 30849), (567, 30816), (580, 30789), (635, 30675), (649, 30651), (695, 30486), (705, 30438), (719, 30399), (728, 30363), (735, 30333), (745, 30294), (758, 30273), (792, 30168), (802, 30135), (828, 30072), (853, 30018), (857, 29994), (898, 29859), (903, 29847), (909, 29838),

Gene: CRB1_46 Start: 31778, Stop: 29991, Start Num: 229

Candidate Starts for CRB1_46:

(Start: 229 @31778 has 918 MA's), (341, 31574), (343, 31571), (347, 31565), (354, 31550), (365, 31535), (382, 31502), (383, 31499), (394, 31472), (402, 31445), (408, 31424), (418, 31394), (448, 31292), (500, 31199), (516, 31151), (519, 31142), (528, 31127), (553, 31061), (567, 31028), (588, 30980), (611, 30932), (614, 30926), (649, 30863), (678, 30788), (695, 30707), (718, 30623), (719, 30620), (735, 30554), (745, 30515), (758, 30494), (781, 30419), (788, 30401), (792, 30389), (802, 30356), (828, 30293), (840, 30275), (853, 30239), (857, 30215), (877, 30158), (898, 30080), (903, 30068), (909, 30059),

Gene: CRB2_57 Start: 55662, Stop: 53833, Start Num: 197

Candidate Starts for CRB2_57:

(Start: 197 @55662 has 267 MA's), (Start: 243 @55635 has 2 MA's), (253, 55608), (273, 55563), (285, 55554), (298, 55536), (337, 55452), (343, 55443), (391, 55344), (403, 55305), (412, 55281), (445, 55173), (486, 55116), (499, 55080), (502, 55068), (511, 55044), (512, 55041), (516, 55032), (556, 54924), (557, 54921), (558, 54918), (565, 54903), (570, 54891), (586, 54855), (656, 54690), (676, 54624), (677, 54621), (679, 54603), (684, 54585), (690, 54561), (691, 54555), (696, 54528), (727,

54420), (729, 54414), (732, 54405), (765, 54306), (766, 54303), (771, 54288), (796, 54210), (800, 54198), (806, 54177), (812, 54159), (827, 54129), (849, 54093), (857, 54048), (862, 54030), (864, 54024), (879, 53985), (880, 53973), (881, 53970), (892, 53931), (900, 53907), (911, 53883), (922, 53859),

Gene: CactusRose_42 Start: 33957, Stop: 32131, Start Num: 229

Candidate Starts for CactusRose_42:

(Start: 229 @33957 has 918 MA's), (347, 33744), (354, 33729), (382, 33681), (394, 33651), (400, 33630), (402, 33624), (404, 33615), (440, 33498), (448, 33471), (500, 33378), (504, 33363), (516, 33330), (539, 33279), (540, 33276), (566, 33210), (580, 33180), (592, 33150), (614, 33105), (635, 33066), (695, 32886), (705, 32838), (719, 32799), (735, 32733), (745, 32694), (758, 32673), (765, 32652), (771, 32634), (792, 32568), (853, 32418), (854, 32415), (861, 32379), (870, 32355), (874, 32346), (878, 32334), (898, 32259), (909, 32238),

Gene: Caelakin_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Caelakin_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: CaiB_54 Start: 48539, Stop: 46722, Start Num: 236

Candidate Starts for CaiB_54:

(165, 48632), (176, 48611), (Start: 236 @48539 has 14 MA's), (Start: 243 @48530 has 2 MA's), (253, 48503), (260, 48488), (267, 48467), (273, 48458), (343, 48320), (362, 48284), (445, 48056), (486, 47999), (499, 47963), (502, 47951), (507, 47939), (511, 47927), (549, 47834), (553, 47822), (557, 47810), (565, 47792), (633, 47636), (676, 47519), (691, 47450), (696, 47423), (727, 47315), (729, 47309), (732, 47300), (763, 47210), (765, 47201), (766, 47198), (771, 47183), (796, 47105), (800, 47093), (801, 47087), (806, 47072), (827, 47024), (857, 46943), (864, 46919), (879, 46880), (881, 46865), (892, 46820), (922, 46748),

Gene: Calamitous_57 Start: 52488, Stop: 50659, Start Num: 189

Candidate Starts for Calamitous_57:

(Start: 189 @52488 has 57 MA's), (Start: 243 @52461 has 2 MA's), (254, 52431), (260, 52419), (271, 52392), (273, 52389), (278, 52380), (298, 52362), (343, 52266), (371, 52215), (382, 52191), (434, 52029), (439, 52014), (442, 52005), (445, 51993), (486, 51936), (499, 51900), (502, 51888), (511, 51864), (546, 51780), (556, 51750), (557, 51747), (570, 51717), (633, 51573), (659, 51507), (676, 51456), (679, 51435), (684, 51417), (696, 51360), (715, 51303), (723, 51276), (729, 51246), (732, 51237), (747, 51171), (763, 51144), (765, 51135), (771, 51117), (777, 51093), (796, 51039), (800, 51027), (806, 51006), (840, 50937), (857, 50877), (862, 50859), (875, 50826), (879, 50814), (881, 50799), (882, 50796), (884, 50784), (892, 50760), (893, 50757), (911, 50709), (912, 50706), (922, 50685), (925, 50664),

Gene: Calix_38 Start: 28615, Stop: 26750, Start Num: 270

Candidate Starts for Calix_38:

(Start: 216 @28702 has 3 MA's), (Start: 270 @28615 has 147 MA's), (Start: 276 @28606 has 5 MA's), (333, 28501), (336, 28492), (353, 28462), (355, 28459), (408, 28339), (412, 28327), (415, 28321), (449, 28216), (456, 28189), (493, 28048), (497, 28042), (498, 28039), (500, 28027), (508, 28000), (509, 27997), (514, 27982), (516, 27976), (518, 27970), (531, 27937), (602, 27808), (629, 27748), (728, 27433), (731, 27424), (732, 27421), (735, 27403), (746, 27361), (748, 27355), (756, 27331), (773, 27274), (820, 27115), (834, 27085), (836, 27076), (854, 27016), (858, 26992), (870, 26953), (879, 26920), (880, 26908), (896, 26848),

Gene: CallinAllBarbz_41 Start: 29407, Stop: 31281, Start Num: 229

Candidate Starts for CallinAllBarbz_41:

(Start: 229 @29407 has 918 MA's), (248, 29425), (364, 29638), (371, 29650), (383, 29677), (394, 29704), (400, 29725), (408, 29752), (501, 30001), (543, 30109), (548, 30124), (588, 30214), (611, 30262), (695, 30520), (704, 30550), (726, 30637), (728, 30643), (733, 30664), (799, 30877), (825, 30946), (828, 30952), (857, 31033), (864, 31057), (874, 31081), (882, 31114), (891, 31144), (898, 31168), (902, 31177), (914, 31198),

Gene: CamL_60 Start: 54350, Stop: 52491, Start Num: 197

Candidate Starts for CamL_60:

(Start: 175 @54374 has 5 MA's), (Start: 197 @54350 has 267 MA's), (Start: 231 @54326 has 5 MA's), (Start: 243 @54320 has 2 MA's), (260, 54278), (267, 54257), (316, 54143), (319, 54137), (337, 54107), (371, 54047), (381, 54026), (399, 53972), (403, 53960), (409, 53942), (413, 53930), (445, 53825), (486, 53768), (499, 53732), (502, 53720), (512, 53693), (531, 53648), (553, 53591), (556, 53582), (557, 53579), (690, 53219), (696, 53186), (702, 53165), (729, 53072), (732, 53063), (747, 53000), (765, 52964), (766, 52961), (771, 52946), (796, 52868), (800, 52856), (806, 52835), (822, 52796), (857, 52706), (862, 52688), (864, 52682), (870, 52667), (879, 52643), (881, 52628), (882, 52625), (884, 52613), (892, 52589), (911, 52541), (922, 52517),

Gene: CampRoach_62 Start: 54448, Stop: 52589, Start Num: 197

Candidate Starts for CampRoach_62:

(Start: 175 @54472 has 5 MA's), (Start: 197 @54448 has 267 MA's), (Start: 231 @54424 has 5 MA's), (Start: 243 @54418 has 2 MA's), (260, 54376), (267, 54355), (316, 54241), (319, 54235), (337, 54205), (371, 54145), (381, 54124), (399, 54070), (403, 54058), (409, 54040), (413, 54028), (445, 53923), (486, 53866), (499, 53830), (502, 53818), (512, 53791), (524, 53764), (531, 53746), (539, 53728), (553, 53689), (556, 53680), (557, 53677), (558, 53674), (690, 53317), (696, 53284), (702, 53263), (729, 53170), (732, 53161), (747, 53098), (765, 53062), (766, 53059), (771, 53044), (796, 52966), (800, 52954), (806, 52933), (822, 52894), (857, 52804), (862, 52786), (864, 52780), (870, 52765), (879, 52741), (881, 52726), (882, 52723), (884, 52711), (892, 52687), (911, 52639), (922, 52615),

Gene: Camperdownii_43 Start: 31243, Stop: 29417, Start Num: 229

Candidate Starts for Camperdownii_43:

(Start: 229 @31243 has 918 MA's), (250, 31222), (261, 31192), (273, 31162), (365, 31000), (376, 30982), (402, 30910), (404, 30901), (441, 30781), (448, 30757), (500, 30664), (517, 30616), (528, 30595), (543, 30556), (598, 30424), (611, 30403), (635, 30358), (640, 30346), (692, 30193), (695, 30172), (728, 30049), (735, 30019), (745, 29980), (765, 29914), (766, 29911), (771, 29896), (777, 29872), (786, 29848), (857, 29641), (898, 29506), (903, 29494), (909, 29485),

Gene: Candra_45 Start: 29663, Stop: 27822, Start Num: 229

Candidate Starts for Candra_45:

(Start: 229 @29663 has 918 MA's), (341, 29459), (382, 29384), (383, 29381), (394, 29354), (398, 29339), (402, 29327), (418, 29276), (444, 29186), (448, 29174), (500, 29081), (512, 29042), (519, 29024), (528, 29009), (553, 28943), (567, 28910), (569, 28907), (615, 28805), (649, 28745), (678, 28661), (695, 28580), (718, 28496), (719, 28493), (723, 28484), (728, 28457), (735, 28427), (758, 28367), (771, 28328), (853, 28112), (854, 28109), (857, 28088), (898, 27953), (903, 27941), (909, 27932), (911, 27929), (947, 27836),

Gene: Cannibal_60 Start: 54292, Stop: 52433, Start Num: 197

Candidate Starts for Cannibal_60:

(Start: 175 @54316 has 5 MA's), (Start: 197 @54292 has 267 MA's), (Start: 231 @54268 has 5 MA's), (Start: 243 @54262 has 2 MA's), (260, 54220), (267, 54199), (316, 54085), (319, 54079), (337,

54049), (371, 53989), (381, 53968), (399, 53914), (403, 53902), (409, 53884), (413, 53872), (445, 53767), (486, 53710), (499, 53674), (502, 53662), (512, 53635), (531, 53590), (553, 53533), (556, 53524), (557, 53521), (690, 53161), (696, 53128), (702, 53107), (729, 53014), (732, 53005), (747, 52942), (765, 52906), (766, 52903), (771, 52888), (796, 52810), (800, 52798), (806, 52777), (822, 52738), (857, 52648), (862, 52630), (864, 52624), (870, 52609), (879, 52585), (881, 52570), (882, 52567), (884, 52555), (892, 52531), (911, 52483), (922, 52459),

Gene: Cappuccino_40 Start: 27602, Stop: 29584, Start Num: 229

Candidate Starts for Cappuccino_40:

(Start: 229 @27602 has 918 MA's), (327, 27776), (368, 27839), (383, 27872), (408, 27947), (483, 28175), (543, 28349), (611, 28505), (669, 28643), (689, 28730), (695, 28763), (704, 28793), (719, 28850), (735, 28916), (764, 29009), (857, 29276), (864, 29300), (898, 29411), (944, 29519),

Gene: CaptainRex_37 Start: 26990, Stop: 25125, Start Num: 270

Candidate Starts for CaptainRex_37:

(Start: 270 @26990 has 147 MA's), (274, 26984), (326, 26885), (333, 26876), (344, 26852), (353, 26837), (357, 26831), (384, 26780), (386, 26777), (415, 26696), (463, 26546), (465, 26543), (489, 26444), (497, 26417), (498, 26414), (500, 26402), (509, 26372), (516, 26351), (530, 26315), (610, 26168), (655, 26066), (678, 25988), (728, 25808), (735, 25778), (750, 25724), (757, 25706), (773, 25649), (781, 25622), (790, 25580), (802, 25541), (834, 25460), (836, 25451), (854, 25391), (858, 25367), (861, 25355), (864, 25346), (870, 25328), (879, 25295), (896, 25223),

Gene: Caraxes_45 Start: 30012, Stop: 28183, Start Num: 229

Candidate Starts for Caraxes_45:

(Start: 229 @30012 has 918 MA's), (341, 29808), (347, 29799), (365, 29769), (382, 29736), (383, 29733), (394, 29706), (402, 29679), (408, 29658), (448, 29526), (500, 29433), (516, 29385), (553, 29295), (576, 29247), (611, 29166), (695, 28941), (719, 28854), (728, 28818), (735, 28788), (745, 28749), (758, 28728), (765, 28707), (771, 28689), (802, 28590), (811, 28563), (828, 28527), (840, 28509), (853, 28473), (898, 28314), (903, 28302), (909, 28293), (925, 28245), (940, 28215),

Gene: Carlyle_44 Start: 32803, Stop: 30974, Start Num: 229

Candidate Starts for Carlyle_44:

(Start: 229 @32803 has 918 MA's), (347, 32590), (354, 32575), (394, 32497), (400, 32476), (402, 32470), (404, 32461), (432, 32368), (440, 32344), (448, 32317), (500, 32224), (504, 32209), (516, 32176), (539, 32125), (540, 32122), (566, 32056), (580, 32026), (592, 31996), (614, 31951), (635, 31912), (695, 31732), (705, 31684), (723, 31636), (732, 31597), (735, 31579), (745, 31540), (758, 31519), (765, 31498), (770, 31483), (808, 31360), (875, 31189), (880, 31165), (895, 31117), (898, 31105), (909, 31084), (912, 31078), (928, 31030), (935, 31015),

Gene: Caron_50 Start: 32142, Stop: 34007, Start Num: 228

Candidate Starts for Caron_50:

(Start: 228 @32142 has 10 MA's), (295, 32250), (497, 32715), (541, 32838), (543, 32844), (611, 32997), (643, 33060), (695, 33255), (712, 33318), (725, 33366), (726, 33372), (736, 33411), (793, 33594), (898, 33903), (930, 33981), (942, 34002),

Gene: Carostasia_37 Start: 28508, Stop: 26607, Start Num: 270

Candidate Starts for Carostasia_37:

(Start: 270 @28508 has 147 MA's), (336, 28385), (344, 28370), (353, 28355), (373, 28322), (379, 28313), (384, 28298), (398, 28262), (403, 28247), (412, 28220), (415, 28214), (431, 28163), (443, 28124), (463, 28064), (493, 27938), (498, 27929), (500, 27917), (509, 27887), (516, 27866), (530, 27830), (610, 27683), (629, 27638), (672, 27527), (716, 27332), (728, 27290), (735, 27260), (746, 27218), (757, 27188), (762, 27167), (773, 27131), (854, 26873), (858, 26849), (869, 26816), (870, 26810), (896, 26705),

Gene: Carsonalex_46 Start: 32513, Stop: 30120, Start Num: 32

Candidate Starts for Carsonalex_46:

(Start: 32 @32513 has 16 MA's), (42, 32507), (Start: 55 @32459 has 1 MA's), (66, 32417), (76, 32393), (116, 32267), (121, 32243), (156, 32198), (186, 32147), (198, 32132), (211, 32111), (251, 32063), (263, 32030), (266, 32021), (311, 31946), (315, 31934), (352, 31865), (368, 31838), (371, 31832), (379, 31817), (398, 31763), (399, 31760), (405, 31742), (412, 31721), (432, 31661), (469, 31538), (470, 31532), (489, 31463), (500, 31421), (547, 31334), (570, 31310), (586, 31304), (594, 31280), (599, 31271), (606, 31256), (612, 31244), (633, 31202), (634, 31199), (635, 31196), (655, 31160), (685, 31049), (701, 30980), (702, 30974), (712, 30938), (735, 30845), (744, 30809), (746, 30803), (748, 30797), (750, 30791), (766, 30734), (771, 30719), (773, 30710), (783, 30665), (812, 30572), (896, 30284), (910, 30239), (914, 30230), (935, 30170),

Gene: Carthage_59 Start: 53529, Stop: 51670, Start Num: 197

Candidate Starts for Carthage_59:

(47, 53925), (69, 53838), (75, 53823), (77, 53817), (79, 53802), (84, 53784), (Start: 175 @53553 has 5 MA's), (Start: 197 @53529 has 267 MA's), (Start: 231 @53505 has 5 MA's), (Start: 243 @53499 has 2 MA's), (260, 53457), (267, 53436), (316, 53322), (319, 53316), (337, 53286), (371, 53226), (381, 53205), (399, 53151), (403, 53139), (413, 53109), (445, 53004), (486, 52947), (499, 52911), (502, 52899), (512, 52872), (516, 52863), (531, 52827), (539, 52809), (553, 52770), (556, 52761), (557, 52758), (690, 52398), (696, 52365), (702, 52344), (729, 52251), (732, 52242), (747, 52179), (765, 52143), (766, 52140), (771, 52125), (796, 52047), (800, 52035), (806, 52014), (822, 51975), (857, 51885), (862, 51867), (864, 51861), (870, 51846), (879, 51822), (881, 51807), (882, 51804), (884, 51792), (892, 51768), (911, 51720), (922, 51696),

Gene: Casbah_58 Start: 53994, Stop: 52177, Start Num: 238

Candidate Starts for Casbah_58:

(124, 54177), (Start: 238 @53994 has 44 MA's), (253, 53964), (347, 53784), (408, 53631), (412, 53619), (422, 53589), (426, 53583), (445, 53520), (447, 53514), (486, 53463), (499, 53427), (516, 53379), (557, 53274), (596, 53178), (627, 53127), (676, 52983), (684, 52944), (691, 52914), (696, 52887), (700, 52875), (727, 52779), (729, 52773), (732, 52764), (734, 52752), (759, 52680), (765, 52650), (771, 52632), (773, 52623), (796, 52554), (800, 52542), (806, 52521), (840, 52452), (849, 52437), (854, 52413), (857, 52392), (862, 52374), (864, 52368), (877, 52335), (879, 52329), (882, 52311), (884, 52299), (888, 52287), (892, 52275), (908, 52233), (922, 52203),

Gene: Casey_35 Start: 27722, Stop: 25905, Start Num: 269

Candidate Starts for Casey_35:

(Start: 269 @27722 has 4 MA's), (278, 27707), (412, 27431), (415, 27425), (471, 27290), (475, 27275), (497, 27197), (498, 27194), (500, 27182), (509, 27152), (530, 27095), (610, 26948), (678, 26768), (716, 26630), (731, 26579), (732, 26576), (735, 26558), (736, 26555), (746, 26516), (773, 26429), (781, 26402), (820, 26270), (858, 26147), (869, 26114), (870, 26108), (873, 26099), (896, 26003), (897, 25997),

Gene: Cashington_40 Start: 28858, Stop: 30732, Start Num: 229

Candidate Starts for Cashington_40:

(Start: 226 @28855 has 7 MA's), (Start: 229 @28858 has 918 MA's), (266, 28927), (280, 28948), (341, 29065), (382, 29128), (404, 29194), (418, 29236), (543, 29530), (648, 29764), (683, 29887), (695, 29947), (698, 29953), (707, 29998), (714, 30013), (716, 30028), (726, 30064), (735, 30100), (764, 30193), (793, 30286), (821, 30364), (853, 30436), (861, 30475), (877, 30517), (880, 30535), (898, 30595), (909, 30616),

Gene: Casserole_35 Start: 32865, Stop: 31120, Start Num: 257

Candidate Starts for Casserole_35:

(247, 32892), (Start: 257 @32865 has 6 MA's), (259, 32862), (272, 32829), (274, 32823), (321, 32730), (339, 32697), (354, 32670), (414, 32535), (453, 32406), (481, 32400), (487, 32376), (495, 32361), (502, 32334), (512, 32304), (543, 32223), (546, 32214), (573, 32154), (583, 32133), (637, 32019), (645, 32001), (745, 31623), (758, 31605), (778, 31539), (783, 31524), (861, 31305), (875, 31263), (898, 31179),

Gene: Cassia_40 Start: 29351, Stop: 31216, Start Num: 229

Candidate Starts for Cassia_40:

(Start: 229 @29351 has 918 MA's), (260, 29399), (394, 29648), (429, 29768), (501, 29945), (504, 29954), (543, 30053), (548, 30068), (553, 30080), (611, 30206), (669, 30344), (695, 30464), (719, 30551), (735, 30617), (764, 30710), (853, 30953), (898, 31112), (902, 31121),

Gene: Catalina_46 Start: 31484, Stop: 29691, Start Num: 229

Candidate Starts for Catalina_46:

(Start: 229 @31484 has 918 MA's), (Start: 244 @31475 has 1 MA's), (261, 31433), (325, 31313), (327, 31310), (350, 31262), (383, 31202), (395, 31172), (398, 31160), (402, 31148), (448, 30995), (500, 30902), (553, 30764), (566, 30734), (640, 30575), (649, 30563), (666, 30536), (692, 30428), (695, 30407), (732, 30272), (735, 30254), (765, 30173), (777, 30131), (802, 30056), (837, 29981), (853, 29939), (881, 29837), (898, 29780), (903, 29768), (909, 29759),

Gene: Caviar_44 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for Caviar_44:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Cece_99 Start: 83690, Stop: 81819, Start Num: 235

Candidate Starts for Cece_99:

(Start: 235 @83690 has 5 MA's), (330, 83480), (368, 83414), (381, 83393), (412, 83306), (415, 83300), (446, 83207), (451, 83192), (502, 83114), (532, 83030), (543, 83003), (550, 82982), (567, 82943), (580, 82916), (582, 82910), (635, 82805), (659, 82757), (668, 82736), (671, 82727), (695, 82616), (714, 82550), (725, 82502), (742, 82418), (747, 82403), (767, 82334), (775, 82307), (777, 82298), (789, 82265), (875, 82013), (881, 81986), (898, 81929),

Gene: Celaena_40 Start: 30338, Stop: 32209, Start Num: 229

Candidate Starts for Celaena_40:

(Start: 229 @30338 has 918 MA's), (266, 30407), (341, 30545), (404, 30674), (437, 30770), (543, 31010), (548, 31025), (588, 31118), (635, 31208), (695, 31424), (707, 31475), (714, 31490), (726, 31541), (729, 31550), (735, 31577), (764, 31670), (786, 31742), (821, 31841), (853, 31913), (857, 31937), (877, 31994), (891, 32048), (898, 32072), (909, 32093),

Gene: Cen1621_44 Start: 29694, Stop: 31556, Start Num: 229

Candidate Starts for Cen1621_44:

(140, 29562), (150, 29580), (Start: 190 @29649 has 1 MA's), (Start: 197 @29658 has 267 MA's), (Start: 229 @29694 has 918 MA's), (295, 29802), (322, 29859), (341, 29898), (400, 30012), (516, 30330), (543, 30396), (544, 30399), (548, 30411), (553, 30423), (581, 30483), (611, 30549), (640, 30606), (660, 30657), (695, 30807), (735, 30960), (789, 31134), (792, 31143), (880, 31395), (895, 31443), (898, 31455),

Gene: Centaur_45 Start: 31699, Stop: 29912, Start Num: 229

Candidate Starts for Centaur_45:

(Start: 229 @31699 has 918 MA's), (341, 31495), (343, 31492), (347, 31486), (365, 31456), (382, 31423), (383, 31420), (394, 31393), (402, 31366), (418, 31315), (448, 31213), (500, 31120), (516, 31072), (519, 31063), (528, 31048), (553, 30982), (588, 30901), (611, 30853), (678, 30709), (695, 30628), (707, 30577), (718, 30544), (735, 30475), (745, 30436), (758, 30415), (763, 30403), (765, 30394), (769, 30382), (837, 30202), (840, 30196), (853, 30160), (857, 30136), (881, 30058), (898, 30001), (903, 29989),

Gene: CentreCat_45 Start: 31573, Stop: 29747, Start Num: 229

Candidate Starts for CentreCat_45:

(Start: 229 @31573 has 918 MA's), (250, 31552), (261, 31522), (273, 31492), (365, 31330), (376, 31312), (402, 31240), (404, 31231), (441, 31111), (448, 31087), (500, 30994), (517, 30946), (528, 30925), (543, 30886), (598, 30754), (611, 30733), (635, 30688), (640, 30676), (692, 30523), (695, 30502), (728, 30379), (735, 30349), (745, 30310), (765, 30244), (766, 30241), (771, 30226), (777, 30202), (786, 30178), (857, 29971), (898, 29836), (903, 29824), (909, 29815),

Gene: Cerulean_46 Start: 31993, Stop: 30167, Start Num: 229

Candidate Starts for Cerulean_46:

(Start: 229 @31993 has 918 MA's), (260, 31945), (341, 31789), (382, 31717), (402, 31660), (404, 31651), (441, 31531), (448, 31507), (500, 31414), (517, 31366), (528, 31345), (543, 31306), (560, 31261), (598, 31174), (603, 31165), (611, 31153), (635, 31108), (640, 31096), (692, 30943), (695, 30922), (728, 30799), (735, 30769), (745, 30730), (765, 30664), (766, 30661), (777, 30622), (786, 30598), (857, 30391), (898, 30256), (903, 30244), (909, 30235),

Gene: ChaChing_58 Start: 53696, Stop: 51879, Start Num: 238

Candidate Starts for ChaChing_58:

(124, 53879), (Start: 238 @53696 has 44 MA's), (253, 53666), (347, 53486), (408, 53333), (412, 53321), (422, 53291), (426, 53285), (445, 53222), (447, 53216), (486, 53165), (499, 53129), (516, 53081), (557, 52976), (596, 52880), (627, 52829), (676, 52685), (684, 52646), (691, 52616), (696, 52589), (700, 52577), (727, 52481), (729, 52475), (732, 52466), (734, 52454), (759, 52382), (765, 52352), (771, 52334), (773, 52325), (796, 52256), (800, 52244), (806, 52223), (840, 52154), (849, 52139), (854, 52115), (857, 52094), (864, 52070), (879, 52031), (882, 52013), (884, 52001), (888, 51989), (892, 51977), (908, 51935), (922, 51905),

Gene: Chadwick_40 Start: 30056, Stop: 28191, Start Num: 229

Candidate Starts for Chadwick_40:

(Start: 195 @30089 has 2 MA's), (Start: 229 @30056 has 918 MA's), (296, 29945), (343, 29849), (382, 29780), (383, 29777), (394, 29750), (402, 29723), (404, 29714), (429, 29630), (432, 29621), (437, 29606), (448, 29570), (489, 29510), (500, 29474), (516, 29426), (527, 29405), (528, 29402), (550, 29342), (586, 29264), (607, 29216), (614, 29204), (639, 29156), (664, 29105), (695, 28970), (705, 28922), (714, 28904), (719, 28883), (723, 28874), (729, 28844), (735, 28817), (736, 28814), (765, 28736), (771, 28718), (786, 28670), (802, 28619), (823, 28565), (828, 28556), (840, 28538), (862, 28460), (898, 28343), (903, 28331), (947, 28226),

Gene: Chaelin_61 Start: 54580, Stop: 52721, Start Num: 197

Candidate Starts for Chaelin_61:

(Start: 175 @54604 has 5 MA's), (Start: 197 @54580 has 267 MA's), (Start: 231 @54556 has 5 MA's), (Start: 243 @54550 has 2 MA's), (260, 54508), (267, 54487), (316, 54373), (319, 54367), (337, 54337), (371, 54277), (381, 54256), (399, 54202), (403, 54190), (409, 54172), (413, 54160), (445, 54055), (486, 53998), (499, 53962), (502, 53950), (511, 53926), (516, 53914), (524, 53896), (531, 53878), (539, 53860), (553, 53821), (556, 53812), (557, 53809), (558, 53806), (690, 53449), (696, 53416), (702, 53395), (729, 53302), (732, 53293), (747, 53230), (765, 53194), (766, 53191), (771, 53176), (796, 53098), (800, 53086), (806, 53065), (822, 53026), (857, 52936), (862, 52918), (864,

52912), (870, 52897), (879, 52873), (881, 52858), (882, 52855), (884, 52843), (892, 52819), (911, 52771), (922, 52747),

Gene: Chah_62 Start: 53995, Stop: 52136, Start Num: 197

Candidate Starts for Chah_62:

(Start: 175 @54019 has 5 MA's), (Start: 197 @53995 has 267 MA's), (Start: 231 @53971 has 5 MA's), (Start: 243 @53965 has 2 MA's), (260, 53923), (267, 53902), (316, 53788), (319, 53782), (337, 53752), (371, 53692), (381, 53671), (399, 53617), (403, 53605), (409, 53587), (413, 53575), (445, 53470), (486, 53413), (499, 53377), (502, 53365), (512, 53338), (524, 53311), (531, 53293), (539, 53275), (553, 53236), (556, 53227), (557, 53224), (664, 52966), (690, 52864), (696, 52831), (702, 52810), (729, 52717), (732, 52708), (747, 52645), (765, 52609), (766, 52606), (771, 52591), (796, 52513), (800, 52501), (806, 52480), (822, 52441), (857, 52351), (862, 52333), (864, 52327), (870, 52312), (879, 52288), (881, 52273), (882, 52270), (884, 52258), (892, 52234), (911, 52186), (922, 52162),

Gene: Chako_38 Start: 28706, Stop: 26754, Start Num: 216

Candidate Starts for Chako_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: ChampagnePapi_47 Start: 31992, Stop: 30166, Start Num: 229

Candidate Starts for ChampagnePapi_47:

(Start: 229 @31992 has 918 MA's), (260, 31944), (341, 31788), (382, 31716), (402, 31659), (404, 31650), (441, 31530), (448, 31506), (500, 31413), (517, 31365), (528, 31344), (543, 31305), (560, 31260), (598, 31173), (603, 31164), (611, 31152), (635, 31107), (640, 31095), (692, 30942), (695, 30921), (728, 30798), (735, 30768), (745, 30729), (765, 30663), (766, 30660), (777, 30621), (786, 30597), (857, 30390), (898, 30255), (903, 30243), (909, 30234),

Gene: Chamuel_38 Start: 28695, Stop: 26743, Start Num: 216

Candidate Starts for Chamuel_38:

(Start: 216 @28695 has 3 MA's), (Start: 270 @28608 has 147 MA's), (Start: 276 @28599 has 5 MA's), (333, 28494), (336, 28485), (353, 28455), (355, 28452), (408, 28332), (412, 28320), (415, 28314), (449, 28209), (456, 28182), (493, 28041), (497, 28035), (498, 28032), (500, 28020), (508, 27993), (509, 27990), (514, 27975), (516, 27969), (518, 27963), (531, 27930), (602, 27801), (629, 27741), (728, 27426), (731, 27417), (732, 27414), (735, 27396), (746, 27354), (748, 27348), (756, 27324), (773, 27267), (820, 27108), (834, 27078), (836, 27069), (854, 27009), (858, 26985), (870, 26946), (879, 26913), (880, 26901), (896, 26841),

Gene: Chanagan_42 Start: 33624, Stop: 31837, Start Num: 229

Candidate Starts for Chanagan_42:

(Start: 229 @33624 has 918 MA's), (347, 33411), (354, 33396), (382, 33348), (394, 33318), (400, 33297), (402, 33291), (404, 33282), (440, 33165), (448, 33138), (500, 33045), (504, 33030), (539, 32946), (540, 32943), (566, 32877), (580, 32847), (592, 32817), (614, 32772), (635, 32733), (695, 32553), (705, 32505), (719, 32466), (735, 32400), (763, 32328), (765, 32319), (792, 32235), (823, 32148), (870, 32022), (875, 32010), (891, 31950), (898, 31926), (901, 31920),

Gene: Chandler_58 Start: 54464, Stop: 52647, Start Num: 238

Candidate Starts for Chandler_58:

(124, 54647), (Start: 238 @54464 has 44 MA's), (253, 54434), (347, 54254), (395, 54149), (408, 54101), (412, 54089), (422, 54059), (426, 54053), (445, 53990), (447, 53984), (486, 53933), (499, 53897), (516, 53849), (557, 53744), (596, 53648), (627, 53597), (676, 53453), (684, 53414), (691, 53384), (696, 53357), (700, 53345), (727, 53249), (729, 53243), (732, 53234), (734, 53222), (759, 53150), (765, 53120), (771, 53102), (773, 53093), (796, 53024), (800, 53012), (806, 52991), (840, 52922), (849, 52907), (854, 52883), (857, 52862), (862, 52844), (864, 52838), (877, 52805), (879, 52799), (882, 52781), (884, 52769), (888, 52757), (892, 52745), (908, 52703), (922, 52673),

Gene: Changeling_45 Start: 32303, Stop: 30516, Start Num: 229

Candidate Starts for Changeling_45:

(Start: 229 @32303 has 918 MA's), (341, 32099), (343, 32096), (347, 32090), (354, 32075), (365, 32060), (383, 32024), (394, 31997), (402, 31970), (408, 31949), (448, 31817), (500, 31724), (516, 31676), (519, 31667), (528, 31652), (553, 31586), (588, 31505), (611, 31457), (678, 31313), (695, 31232), (707, 31181), (718, 31148), (719, 31145), (728, 31109), (735, 31079), (745, 31040), (758, 31019), (781, 30944), (786, 30932), (802, 30881), (811, 30854), (828, 30818), (840, 30800), (853, 30764), (857, 30740), (877, 30683), (881, 30662), (898, 30605), (903, 30593), (909, 30584),

Gene: Chaph_45 Start: 31581, Stop: 29755, Start Num: 229

Candidate Starts for Chaph_45:

(Start: 229 @31581 has 918 MA's), (250, 31560), (261, 31530), (273, 31500), (365, 31338), (376, 31320), (402, 31248), (404, 31239), (441, 31119), (448, 31095), (500, 31002), (517, 30954), (528, 30933), (543, 30894), (598, 30762), (611, 30741), (635, 30696), (640, 30684), (692, 30531), (695, 30510), (728, 30387), (735, 30357), (745, 30318), (765, 30252), (766, 30249), (771, 30234), (777, 30210), (786, 30186), (857, 29979), (898, 29844), (903, 29832), (909, 29823),

Gene: Chargerpower_44 Start: 30403, Stop: 28610, Start Num: 229

Candidate Starts for Chargerpower_44:

(163, 30496), (Start: 229 @30403 has 918 MA's), (Start: 244 @30394 has 1 MA's), (296, 30292), (298, 30286), (341, 30199), (350, 30181), (383, 30121), (394, 30094), (402, 30067), (433, 29962), (448, 29914), (500, 29821), (514, 29776), (566, 29653), (666, 29455), (690, 29356), (692, 29347), (695, 29326), (735, 29173), (758, 29113), (763, 29101), (765, 29092), (828, 28912), (853, 28858), (881, 28756), (883, 28747), (898, 28699), (903, 28687), (909, 28678),

Gene: Charles1_61 Start: 54304, Stop: 52445, Start Num: 197

Candidate Starts for Charles1_61:

(Start: 175 @54328 has 5 MA's), (Start: 197 @54304 has 267 MA's), (Start: 231 @54280 has 5 MA's), (Start: 243 @54274 has 2 MA's), (260, 54232), (267, 54211), (316, 54097), (319, 54091), (337, 54061), (371, 54001), (381, 53980), (399, 53926), (403, 53914), (409, 53896), (413, 53884), (445, 53779), (486, 53722), (499, 53686), (502, 53674), (512, 53647), (524, 53620), (531, 53602), (539, 53584), (553, 53545), (556, 53536), (557, 53533), (690, 53173), (696, 53140), (702, 53119), (729, 53026), (732, 53017), (747, 52954), (765, 52918), (766, 52915), (771, 52900), (796, 52822), (800, 52810), (806, 52789), (822, 52750), (857, 52660), (862, 52642), (864, 52636), (870, 52621), (879, 52597), (881, 52582), (882, 52579), (884, 52567), (892, 52543), (911, 52495), (922, 52471),

Gene: CharlieGBrown_61 Start: 54143, Stop: 52284, Start Num: 197

Candidate Starts for CharlieGBrown_61:

(Start: 175 @54167 has 5 MA's), (Start: 197 @54143 has 267 MA's), (Start: 231 @54119 has 5 MA's), (Start: 243 @54113 has 2 MA's), (260, 54071), (267, 54050), (316, 53936), (319, 53930), (337, 53900), (371, 53840), (381, 53819), (399, 53765), (403, 53753), (409, 53735), (413, 53723), (445, 53618), (486, 53561), (499, 53525), (502, 53513), (511, 53489), (516, 53477), (524, 53459), (531, 53441), (539, 53423), (553, 53384), (556, 53375), (557, 53372), (558, 53369), (664, 53114), (690, 53012), (696, 52979), (702, 52958), (729, 52865), (732, 52856), (747, 52793), (765, 52757), (766, 52754), (771, 52739), (796, 52661), (800, 52649), (806, 52628), (822, 52589), (857, 52499), (862,

52481), (864, 52475), (870, 52460), (879, 52436), (881, 52421), (882, 52418), (884, 52406), (892, 52382), (898, 52361), (911, 52334), (922, 52310), (924, 52295),

Gene: CharlottesWeb_50 Start: 45347, Stop: 43530, Start Num: 236

Candidate Starts for CharlottesWeb_50:

(82, 45662), (93, 45626), (95, 45620), (104, 45587), (Start: 236 @45347 has 14 MA's), (253, 45311), (258, 45299), (260, 45296), (273, 45266), (334, 45140), (362, 45092), (395, 45017), (413, 44960), (439, 44885), (445, 44864), (499, 44771), (549, 44642), (557, 44618), (676, 44327), (679, 44306), (684, 44288), (696, 44231), (729, 44117), (732, 44108), (766, 44006), (771, 43991), (796, 43913), (800, 43901), (806, 43880), (808, 43871), (837, 43817), (852, 43784), (857, 43751), (858, 43748), (870, 43712), (879, 43688), (892, 43628), (922, 43556),

Gene: Charm_42 Start: 30834, Stop: 29041, Start Num: 229

Candidate Starts for Charm_42:

(Start: 229 @30834 has 918 MA's), (Start: 244 @30825 has 1 MA's), (296, 30723), (325, 30663), (327, 30660), (341, 30630), (368, 30585), (383, 30552), (394, 30525), (398, 30510), (402, 30498), (404, 30489), (418, 30447), (448, 30345), (500, 30252), (507, 30228), (514, 30207), (566, 30084), (640, 29925), (642, 29922), (666, 29886), (668, 29880), (695, 29757), (714, 29691), (732, 29622), (735, 29604), (758, 29544), (765, 29523), (777, 29481), (802, 29406), (837, 29331), (853, 29289), (881, 29187), (898, 29130), (903, 29118), (909, 29109),

Gene: Chartreuse_45 Start: 29574, Stop: 27733, Start Num: 229

Candidate Starts for Chartreuse_45:

(Start: 229 @29574 has 918 MA's), (341, 29370), (382, 29295), (383, 29292), (394, 29265), (398, 29250), (402, 29238), (418, 29187), (444, 29097), (448, 29085), (500, 28992), (512, 28953), (519, 28935), (528, 28920), (553, 28854), (567, 28821), (569, 28818), (615, 28716), (649, 28656), (678, 28572), (695, 28491), (718, 28407), (719, 28404), (723, 28395), (728, 28368), (735, 28338), (758, 28278), (771, 28239), (853, 28023), (854, 28020), (857, 27999), (898, 27864), (903, 27852), (909, 27843), (911, 27840), (947, 27747),

Gene: Che12_47 Start: 30450, Stop: 28663, Start Num: 229

Candidate Starts for Che12_47:

(Start: 229 @30450 has 918 MA's), (341, 30246), (347, 30237), (382, 30174), (383, 30171), (394, 30144), (402, 30117), (408, 30096), (417, 30069), (448, 29964), (500, 29871), (516, 29823), (560, 29715), (576, 29685), (611, 29604), (695, 29379), (718, 29295), (719, 29292), (728, 29256), (735, 29226), (745, 29187), (758, 29166), (765, 29145), (771, 29127), (802, 29028), (811, 29001), (828, 28965), (840, 28947), (853, 28911), (857, 28887), (897, 28755), (898, 28752), (903, 28740), (909, 28731),

Gene: CheetO_60 Start: 54266, Stop: 52407, Start Num: 197

Candidate Starts for CheetO_60:

(Start: 175 @54290 has 5 MA's), (Start: 197 @54266 has 267 MA's), (Start: 231 @54242 has 5 MA's), (Start: 243 @54236 has 2 MA's), (260, 54194), (267, 54173), (316, 54059), (319, 54053), (337, 54023), (371, 53963), (381, 53942), (399, 53888), (403, 53876), (409, 53858), (413, 53846), (445, 53741), (486, 53684), (499, 53648), (502, 53636), (511, 53612), (516, 53600), (524, 53582), (531, 53564), (539, 53546), (553, 53507), (556, 53498), (557, 53495), (558, 53492), (690, 53135), (696, 53102), (702, 53081), (729, 52988), (732, 52979), (747, 52916), (765, 52880), (766, 52877), (771, 52862), (796, 52784), (800, 52772), (806, 52751), (822, 52712), (857, 52622), (862, 52604), (864, 52598), (870, 52583), (879, 52559), (881, 52544), (882, 52541), (884, 52529), (892, 52505), (911, 52457), (922, 52433),

Gene: Cheeto1_39 Start: 29061, Stop: 27196, Start Num: 268

Candidate Starts for Cheeto1_39:

(Start: 268 @29061 has 18 MA's), (284, 29037), (355, 28905), (386, 28848), (405, 28794), (412, 28773), (415, 28767), (474, 28566), (498, 28482), (500, 28470), (509, 28440), (516, 28419), (521, 28407), (530, 28383), (547, 28338), (586, 28293), (602, 28251), (624, 28206), (629, 28191), (656, 28131), (670, 28089), (723, 27906), (732, 27867), (735, 27849), (746, 27807), (773, 27720), (854, 27462), (858, 27438), (869, 27405), (896, 27294),

Gene: Chepli_40 Start: 28352, Stop: 26460, Start Num: 270

Candidate Starts for Chepli_40:

(Start: 201 @28460 has 1 MA's), (213, 28442), (Start: 270 @28352 has 147 MA's), (Start: 276 @28343 has 5 MA's), (309, 28286), (321, 28256), (344, 28217), (353, 28202), (357, 28196), (368, 28178), (384, 28145), (412, 28067), (415, 28061), (431, 28010), (443, 27971), (474, 27860), (498, 27776), (500, 27764), (509, 27734), (514, 27719), (516, 27713), (518, 27707), (521, 27701), (524, 27695), (672, 27380), (716, 27185), (735, 27113), (746, 27071), (757, 27041), (762, 27020), (773, 26984), (791, 26912), (834, 26795), (836, 26786), (854, 26726), (858, 26702), (861, 26690), (873, 26654), (896, 26558),

Gene: Cher_60 Start: 54560, Stop: 52701, Start Num: 197

Candidate Starts for Cher_60:

(Start: 175 @54584 has 5 MA's), (Start: 197 @54560 has 267 MA's), (Start: 231 @54536 has 5 MA's), (Start: 243 @54530 has 2 MA's), (260, 54488), (267, 54467), (316, 54353), (319, 54347), (337, 54317), (371, 54257), (381, 54236), (399, 54182), (403, 54170), (409, 54152), (413, 54140), (445, 54035), (486, 53978), (499, 53942), (502, 53930), (512, 53903), (531, 53858), (553, 53801), (556, 53792), (557, 53789), (690, 53429), (696, 53396), (702, 53375), (729, 53282), (732, 53273), (747, 53210), (765, 53174), (766, 53171), (771, 53156), (796, 53078), (800, 53066), (806, 53045), (822, 53006), (857, 52916), (862, 52898), (864, 52892), (870, 52877), (879, 52853), (881, 52838), (882, 52835), (884, 52823), (892, 52799), (911, 52751), (922, 52727),

Gene: CherryonLim_46 Start: 35452, Stop: 33086, Start Num: 41

Candidate Starts for CherryonLim_46:

(Start: 41 @35452 has 13 MA's), (58, 35392), (66, 35365), (71, 35350), (83, 35311), (121, 35206), (156, 35161), (205, 35083), (210, 35077), (211, 35074), (241, 35047), (Start: 243 @35044 has 2 MA's), (258, 35008), (260, 35005), (262, 34996), (274, 34969), (Start: 276 @34966 has 5 MA's), (311, 34909), (333, 34870), (366, 34807), (379, 34783), (386, 34762), (398, 34729), (399, 34726), (405, 34708), (412, 34687), (432, 34627), (469, 34504), (489, 34429), (493, 34408), (500, 34387), (547, 34300), (594, 34252), (609, 34222), (612, 34216), (634, 34171), (635, 34168), (642, 34153), (654, 34132), (659, 34117), (674, 34069), (678, 34048), (699, 33958), (701, 33949), (704, 33934), (707, 33919), (712, 33907), (735, 33814), (744, 33778), (746, 33772), (748, 33766), (750, 33760), (766, 33703), (773, 33679), (801, 33574), (802, 33571), (838, 33478), (844, 33460), (863, 33379), (871, 33355), (879, 33325), (888, 33277), (891, 33268), (896, 33253), (902, 33229), (910, 33208), (933, 33142), (944, 33121), (945, 33115), (949, 33109),

Gene: ChickenKing_38 Start: 28974, Stop: 27109, Start Num: 268

Candidate Starts for ChickenKing_38:

(Start: 268 @28974 has 18 MA's), (284, 28950), (355, 28818), (386, 28761), (405, 28707), (412, 28686), (415, 28680), (474, 28479), (498, 28395), (500, 28383), (509, 28353), (516, 28332), (521, 28320), (530, 28296), (547, 28251), (602, 28164), (624, 28119), (629, 28104), (670, 28002), (723, 27819), (732, 27780), (735, 27762), (746, 27720), (751, 27705), (773, 27633), (854, 27375), (858, 27351), (869, 27318), (896, 27207),

Gene: ChikPic_38 Start: 28741, Stop: 26876, Start Num: 270

Candidate Starts for ChikPic_38:

(Start: 270 @28741 has 147 MA's), (296, 28696), (321, 28642), (357, 28582), (384, 28531), (412, 28453), (415, 28447), (429, 28402), (430, 28399), (431, 28396), (443, 28357), (463, 28297), (493,

28174), (498, 28165), (500, 28153), (503, 28141), (509, 28123), (516, 28102), (521, 28090), (610, 27919), (676, 27751), (723, 27586), (731, 27550), (735, 27529), (746, 27487), (773, 27400), (783, 27355), (816, 27256), (834, 27211), (836, 27202), (854, 27142), (858, 27118), (869, 27085), (896, 26974),

Gene: Childish_60 Start: 54571, Stop: 52712, Start Num: 197

Candidate Starts for Childish_60:

(Start: 175 @54595 has 5 MA's), (Start: 197 @54571 has 267 MA's), (Start: 231 @54547 has 5 MA's), (Start: 243 @54541 has 2 MA's), (260, 54499), (267, 54478), (316, 54364), (319, 54358), (337, 54328), (371, 54268), (381, 54247), (399, 54193), (403, 54181), (409, 54163), (413, 54151), (445, 54046), (486, 53989), (499, 53953), (502, 53941), (512, 53914), (524, 53887), (531, 53869), (539, 53851), (553, 53812), (556, 53803), (557, 53800), (664, 53542), (690, 53440), (696, 53407), (702, 53386), (729, 53293), (732, 53284), (747, 53221), (765, 53185), (766, 53182), (771, 53167), (796, 53089), (800, 53077), (806, 53056), (822, 53017), (857, 52927), (862, 52909), (864, 52903), (870, 52888), (879, 52864), (881, 52849), (882, 52846), (884, 52834), (892, 52810), (898, 52789), (911, 52762), (922, 52738),

Gene: ChiliPepper_40 Start: 29968, Stop: 31839, Start Num: 229

Candidate Starts for ChiliPepper_40:

(Start: 229 @29968 has 918 MA's), (330, 30151), (349, 30190), (368, 30208), (397, 30280), (404, 30304), (408, 30316), (409, 30319), (437, 30400), (525, 30592), (543, 30640), (581, 30730), (648, 30871), (683, 30994), (695, 31054), (714, 31120), (716, 31135), (726, 31171), (729, 31180), (735, 31207), (764, 31300), (793, 31393), (821, 31471), (853, 31543), (861, 31582), (877, 31624), (891, 31678), (898, 31702), (909, 31723), (920, 31747),

Gene: ChipMunk_47 Start: 33204, Stop: 31417, Start Num: 229

Candidate Starts for ChipMunk_47:

(Start: 229 @33204 has 918 MA's), (343, 32997), (347, 32991), (354, 32976), (365, 32961), (383, 32925), (394, 32898), (402, 32871), (408, 32850), (432, 32769), (448, 32718), (500, 32625), (516, 32577), (519, 32568), (528, 32553), (553, 32487), (611, 32358), (614, 32352), (695, 32133), (707, 32082), (718, 32049), (719, 32046), (735, 31980), (745, 31941), (758, 31920), (781, 31845), (786, 31833), (802, 31782), (828, 31719), (840, 31701), (853, 31665), (857, 31641), (881, 31563), (898, 31506), (903, 31494), (909, 31485),

Gene: Chiqui_43 Start: 31530, Stop: 29692, Start Num: 229

Candidate Starts for Chiqui_43:

(173, 31602), (Start: 229 @31530 has 918 MA's), (261, 31479), (341, 31326), (365, 31287), (382, 31254), (402, 31197), (404, 31188), (408, 31176), (441, 31068), (448, 31044), (451, 31035), (500, 30948), (517, 30900), (543, 30840), (569, 30777), (611, 30687), (668, 30573), (695, 30450), (719, 30363), (728, 30327), (735, 30297), (766, 30186), (777, 30147), (786, 30123), (792, 30105), (793, 30102), (837, 29982), (840, 29976), (857, 29916), (897, 29784), (898, 29781), (903, 29769), (909, 29760),

Gene: Chorkpop_60 Start: 54047, Stop: 52188, Start Num: 197

Candidate Starts for Chorkpop_60:

(Start: 175 @54071 has 5 MA's), (Start: 197 @54047 has 267 MA's), (Start: 231 @54023 has 5 MA's), (Start: 243 @54017 has 2 MA's), (260, 53975), (267, 53954), (316, 53840), (319, 53834), (337, 53804), (371, 53744), (381, 53723), (399, 53669), (403, 53657), (409, 53639), (413, 53627), (445, 53522), (486, 53465), (499, 53429), (502, 53417), (512, 53390), (524, 53363), (531, 53345), (539, 53327), (553, 53288), (556, 53279), (557, 53276), (664, 53018), (690, 52916), (696, 52883), (702, 52862), (729, 52769), (732, 52760), (747, 52697), (765, 52661), (766, 52658), (771, 52643), (796, 52565), (800, 52553), (806, 52532), (822, 52493), (857, 52403), (862, 52385), (864, 52379), (870, 52364), (879, 52340), (881, 52325), (882, 52322), (884, 52310), (892, 52286), (911, 52238), (922,

52214),

Gene: ChrisnMich_53 Start: 52982, Stop: 51141, Start Num: 175

Candidate Starts for ChrisnMich_53:

(Start: 175 @52982 has 5 MA's), (Start: 189 @52964 has 57 MA's), (Start: 243 @52940 has 2 MA's), (253, 52913), (260, 52898), (267, 52877), (308, 52790), (368, 52685), (386, 52643), (409, 52577), (420, 52547), (422, 52538), (425, 52535), (426, 52532), (486, 52412), (493, 52394), (499, 52376), (502, 52364), (508, 52349), (512, 52337), (556, 52226), (557, 52223), (570, 52193), (586, 52157), (676, 51932), (677, 51929), (684, 51893), (690, 51869), (696, 51836), (727, 51728), (729, 51722), (732, 51713), (765, 51614), (766, 51611), (771, 51596), (796, 51518), (800, 51506), (806, 51485), (808, 51476), (822, 51446), (852, 51389), (857, 51356), (862, 51338), (864, 51332), (879, 51293), (882, 51275), (884, 51263), (892, 51239), (908, 51197), (911, 51191), (922, 51167),

Gene: Christoph_38 Start: 28630, Stop: 26765, Start Num: 270

Candidate Starts for Christoph_38:

(Start: 270 @28630 has 147 MA's), (Start: 276 @28621 has 5 MA's), (333, 28516), (336, 28507), (353, 28477), (355, 28474), (408, 28354), (412, 28342), (415, 28336), (449, 28231), (456, 28204), (493, 28063), (497, 28057), (498, 28054), (500, 28042), (508, 28015), (509, 28012), (514, 27997), (516, 27991), (518, 27985), (531, 27952), (602, 27823), (629, 27763), (728, 27448), (731, 27439), (732, 27436), (735, 27418), (746, 27376), (748, 27370), (751, 27361), (756, 27346), (773, 27289), (820, 27130), (834, 27100), (836, 27091), (854, 27031), (858, 27007), (870, 26968), (879, 26935), (880, 26923), (896, 26863),

Gene: Chunky_59 Start: 53596, Stop: 51737, Start Num: 197

Candidate Starts for Chunky_59:

(Start: 175 @53620 has 5 MA's), (Start: 197 @53596 has 267 MA's), (Start: 231 @53572 has 5 MA's), (Start: 243 @53566 has 2 MA's), (260, 53524), (267, 53503), (316, 53389), (319, 53383), (337, 53353), (371, 53293), (381, 53272), (399, 53218), (403, 53206), (409, 53188), (413, 53176), (445, 53071), (486, 53014), (499, 52978), (502, 52966), (512, 52939), (516, 52930), (531, 52894), (553, 52837), (556, 52828), (557, 52825), (558, 52822), (690, 52465), (696, 52432), (702, 52411), (729, 52318), (732, 52309), (747, 52246), (765, 52210), (766, 52207), (771, 52192), (796, 52114), (800, 52102), (806, 52081), (822, 52042), (857, 51952), (862, 51934), (864, 51928), (870, 51913), (879, 51889), (881, 51874), (882, 51871), (884, 51859), (892, 51835), (911, 51787), (922, 51763),

Gene: Chupacabra_43 Start: 31120, Stop: 29285, Start Num: 229

Candidate Starts for Chupacabra_43:

(Start: 229 @31120 has 918 MA's), (261, 31069), (341, 30916), (354, 30892), (378, 30856), (382, 30844), (400, 30793), (402, 30787), (404, 30778), (429, 30694), (441, 30658), (444, 30646), (447, 30637), (448, 30634), (500, 30541), (517, 30493), (543, 30433), (553, 30406), (564, 30382), (596, 30304), (598, 30301), (611, 30280), (614, 30274), (650, 30208), (668, 30166), (695, 30043), (705, 29995), (728, 29920), (735, 29890), (745, 29851), (766, 29779), (777, 29740), (786, 29716), (788, 29710), (792, 29698), (831, 29590), (857, 29509), (864, 29485), (883, 29422), (898, 29374), (903, 29362), (909, 29353),

Gene: Chute_62 Start: 54608, Stop: 52749, Start Num: 197

Candidate Starts for Chute_62:

(Start: 175 @54632 has 5 MA's), (Start: 197 @54608 has 267 MA's), (Start: 231 @54584 has 5 MA's), (Start: 243 @54578 has 2 MA's), (260, 54536), (267, 54515), (316, 54401), (319, 54395), (337, 54365), (371, 54305), (381, 54284), (399, 54230), (403, 54218), (409, 54200), (413, 54188), (445, 54083), (486, 54026), (499, 53990), (502, 53978), (511, 53954), (516, 53942), (524, 53924), (531, 53906), (539, 53888), (553, 53849), (556, 53840), (557, 53837), (558, 53834), (690, 53477), (696, 53444), (702, 53423), (729, 53330), (732, 53321), (747, 53258), (765, 53222), (766, 53219), (771, 53204), (796, 53126), (800, 53114), (806, 53093), (822, 53054), (857, 52964), (862, 52946), (864,

52940), (870, 52925), (879, 52901), (881, 52886), (882, 52883), (884, 52871), (892, 52847), (911, 52799), (922, 52775),

Gene: Ciao_45 Start: 34751, Stop: 32964, Start Num: 229

Candidate Starts for Ciao_45:

(Start: 229 @34751 has 918 MA's), (347, 34538), (354, 34523), (382, 34475), (394, 34445), (400, 34424), (402, 34418), (404, 34409), (440, 34292), (448, 34265), (500, 34172), (504, 34157), (516, 34124), (539, 34073), (540, 34070), (566, 34004), (580, 33974), (592, 33944), (614, 33899), (635, 33860), (695, 33680), (705, 33632), (719, 33593), (735, 33527), (763, 33455), (765, 33446), (792, 33362), (823, 33275), (870, 33149), (875, 33137), (898, 33053), (901, 33047),

Gene: Cici_44 Start: 31537, Stop: 29708, Start Num: 229

Candidate Starts for Cici_44:

(Start: 229 @31537 has 918 MA's), (261, 31486), (273, 31456), (365, 31294), (376, 31276), (382, 31261), (402, 31204), (404, 31195), (441, 31075), (448, 31051), (483, 31009), (500, 30958), (517, 30910), (528, 30889), (543, 30850), (560, 30805), (564, 30799), (598, 30718), (611, 30697), (635, 30652), (692, 30487), (695, 30466), (735, 30313), (745, 30274), (766, 30202), (771, 30187), (777, 30163), (783, 30145), (786, 30139), (788, 30133), (857, 29932), (898, 29797), (903, 29785), (909, 29776),

Gene: Cindaradix_42 Start: 31162, Stop: 29333, Start Num: 229

Candidate Starts for Cindaradix_42:

(Start: 229 @31162 has 918 MA's), (260, 31114), (341, 30958), (382, 30886), (402, 30829), (404, 30820), (441, 30700), (448, 30676), (500, 30583), (517, 30535), (528, 30514), (543, 30475), (560, 30430), (598, 30343), (603, 30334), (611, 30322), (635, 30277), (640, 30265), (695, 30091), (723, 29995), (728, 29968), (729, 29965), (735, 29938), (745, 29899), (765, 29830), (766, 29827), (771, 29812), (777, 29788), (786, 29764), (788, 29758), (857, 29557), (898, 29422), (903, 29410), (909, 29401),

Gene: Cintron_44 Start: 31550, Stop: 29724, Start Num: 229

Candidate Starts for Cintron_44:

(Start: 229 @31550 has 918 MA's), (260, 31502), (341, 31346), (382, 31274), (402, 31217), (404, 31208), (441, 31088), (448, 31064), (487, 31010), (500, 30971), (517, 30923), (528, 30902), (543, 30863), (560, 30818), (598, 30731), (603, 30722), (611, 30710), (635, 30665), (640, 30653), (692, 30500), (695, 30479), (728, 30356), (735, 30326), (745, 30287), (765, 30221), (766, 30218), (771, 30203), (777, 30179), (786, 30155), (857, 29948), (898, 29813), (903, 29801), (909, 29792),

Gene: Citius_45 Start: 31591, Stop: 29765, Start Num: 229

Candidate Starts for Citius_45:

(Start: 229 @31591 has 918 MA's), (250, 31570), (261, 31540), (273, 31510), (365, 31348), (376, 31330), (402, 31258), (404, 31249), (441, 31129), (448, 31105), (500, 31012), (517, 30964), (528, 30943), (543, 30904), (598, 30772), (611, 30751), (635, 30706), (640, 30694), (692, 30541), (695, 30520), (728, 30397), (735, 30367), (745, 30328), (765, 30262), (766, 30259), (771, 30244), (777, 30220), (786, 30196), (857, 29989), (898, 29854), (903, 29842), (909, 29833),

Gene: Clancy_38 Start: 28664, Stop: 26799, Start Num: 270

Candidate Starts for Clancy_38:

(Start: 216 @28751 has 3 MA's), (219, 28748), (Start: 270 @28664 has 147 MA's), (Start: 276 @28655 has 5 MA's), (333, 28550), (336, 28541), (353, 28511), (355, 28508), (408, 28388), (412, 28376), (415, 28370), (449, 28265), (456, 28238), (493, 28097), (497, 28091), (498, 28088), (500, 28076), (508, 28049), (509, 28046), (514, 28031), (516, 28025), (518, 28019), (531, 27986), (602, 27857), (629, 27797), (728, 27482), (731, 27473), (732, 27470), (735, 27452), (746, 27410), (748, 27404), (751, 27395), (756, 27380), (773, 27323), (820, 27164), (834, 27134), (836, 27125), (854,

27065), (858, 27041), (870, 27002), (879, 26969), (880, 26957), (896, 26897),

Gene: Clarenza_44 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Clarenza_44:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Clayda5_41 Start: 27431, Stop: 29296, Start Num: 229

Candidate Starts for Clayda5_41:

(Start: 226 @27428 has 7 MA's), (Start: 229 @27431 has 918 MA's), (232, 27434), (266, 27503), (409, 27785), (418, 27812), (437, 27866), (512, 28031), (543, 28106), (550, 28127), (683, 28481), (695, 28541), (707, 28592), (726, 28658), (735, 28694), (764, 28787), (821, 28958), (853, 29030), (877, 29111), (897, 29186), (898, 29189), (909, 29210), (937, 29279),

Gene: Cleo_38 Start: 31604, Stop: 29244, Start Num: 39

Candidate Starts for Cleo_38:

(31, 31628), (Start: 39 @31604 has 23 MA's), (46, 31589), (53, 31553), (101, 31421), (116, 31382), (121, 31358), (154, 31316), (266, 31139), (Start: 276 @31121 has 5 MA's), (311, 31064), (333, 31025), (379, 30938), (398, 30884), (405, 30863), (412, 30842), (472, 30644), (483, 30602), (489, 30584), (513, 30500), (544, 30464), (612, 30371), (634, 30326), (650, 30299), (655, 30287), (659, 30275), (693, 30134), (712, 30065), (725, 30014), (732, 29990), (735, 29972), (744, 29936), (746, 29930), (748, 29924), (750, 29918), (757, 29894), (766, 29861), (773, 29837), (783, 29792), (784, 29789), (803, 29726), (812, 29699), (844, 29618), (860, 29549), (863, 29537), (871, 29513), (887, 29438), (888, 29435), (896, 29411), (902, 29387), (910, 29366), (920, 29342), (935, 29297), (944, 29279),

Gene: CliffHanger_46 Start: 28741, Stop: 30612, Start Num: 229

Candidate Starts for CliffHanger_46:

(Start: 229 @28741 has 918 MA's), (266, 28810), (280, 28831), (322, 28909), (341, 28948), (400, 29062), (404, 29077), (409, 29092), (437, 29173), (440, 29182), (507, 29323), (514, 29344), (522, 29359), (528, 29374), (543, 29413), (550, 29434), (695, 29830), (698, 29836), (716, 29911), (735, 29983), (764, 30076), (781, 30136), (793, 30169), (821, 30247), (853, 30319), (877, 30400), (879, 30406), (880, 30418), (891, 30454), (898, 30478), (920, 30523),

Gene: Clock_37 Start: 29844, Stop: 27952, Start Num: 270

Candidate Starts for Clock_37:

(Start: 270 @29844 has 147 MA's), (296, 29799), (321, 29745), (326, 29739), (336, 29721), (355, 29688), (357, 29685), (384, 29634), (386, 29631), (413, 29553), (415, 29550), (430, 29502), (443, 29460), (474, 29358), (482, 29325), (493, 29283), (497, 29277), (498, 29274), (500, 29262), (509, 29232), (521, 29199), (522, 29196), (530, 29175), (610, 29028), (672, 28872), (735, 28605), (744, 28569), (746, 28563), (751, 28548), (771, 28485), (773, 28476), (858, 28194), (859, 28191), (870, 28155), (896, 28050),

Gene: CloudWang3_45 Start: 29424, Stop: 27583, Start Num: 229

Candidate Starts for CloudWang3_45:

(Start: 203 @29454 has 1 MA's), (Start: 229 @29424 has 918 MA's), (341, 29220), (382, 29145), (383, 29142), (394, 29115), (398, 29100), (402, 29088), (418, 29037), (444, 28947), (448, 28935), (500, 28842), (512, 28803), (519, 28785), (528, 28770), (553, 28704), (567, 28671), (569, 28668), (615, 28566), (649, 28506), (678, 28422), (695, 28341), (718, 28257), (719, 28254), (723, 28245), (728, 28218), (735, 28188), (758, 28128), (771, 28089), (853, 27873), (854, 27870), (857, 27849), (898,

27714), (903, 27702), (909, 27693), (911, 27690), (947, 27597),

Gene: CloverMinnie_53 Start: 47593, Stop: 45776, Start Num: 236

Candidate Starts for CloverMinnie_53:

(Start: 236 @47593 has 14 MA's), (Start: 243 @47584 has 2 MA's), (253, 47557), (258, 47545), (267, 47521), (273, 47512), (316, 47416), (343, 47374), (362, 47338), (395, 47263), (420, 47188), (445, 47110), (486, 47053), (499, 47017), (502, 47005), (511, 46981), (549, 46888), (557, 46864), (565, 46846), (676, 46573), (684, 46534), (691, 46504), (696, 46477), (727, 46369), (729, 46363), (732, 46354), (763, 46264), (765, 46255), (766, 46252), (771, 46237), (796, 46159), (800, 46147), (801, 46141), (806, 46126), (827, 46078), (852, 46030), (857, 45997), (864, 45973), (879, 45934), (881, 45919), (892, 45874), (922, 45802),

Gene: Cobra_62 Start: 54586, Stop: 52727, Start Num: 197

Candidate Starts for Cobra_62:

(Start: 175 @54610 has 5 MA's), (Start: 197 @54586 has 267 MA's), (Start: 231 @54562 has 5 MA's), (Start: 243 @54556 has 2 MA's), (260, 54514), (267, 54493), (316, 54379), (319, 54373), (337, 54343), (371, 54283), (381, 54262), (399, 54208), (403, 54196), (409, 54178), (413, 54166), (445, 54061), (486, 54004), (499, 53968), (511, 53932), (516, 53920), (524, 53902), (531, 53884), (539, 53866), (553, 53827), (556, 53818), (557, 53815), (558, 53812), (664, 53557), (690, 53455), (696, 53422), (702, 53401), (729, 53308), (732, 53299), (747, 53236), (765, 53200), (766, 53197), (771, 53182), (796, 53104), (800, 53092), (806, 53071), (822, 53032), (857, 52942), (862, 52924), (864, 52918), (870, 52903), (879, 52879), (881, 52864), (882, 52861), (884, 52849), (892, 52825), (911, 52777), (922, 52753),

Gene: Cocoaberry_45 Start: 31574, Stop: 29748, Start Num: 229

Candidate Starts for Cocoaberry_45:

(Start: 229 @31574 has 918 MA's), (250, 31553), (261, 31523), (273, 31493), (365, 31331), (376, 31313), (402, 31241), (404, 31232), (441, 31112), (448, 31088), (500, 30995), (517, 30947), (528, 30926), (543, 30887), (598, 30755), (611, 30734), (635, 30689), (640, 30677), (692, 30524), (695, 30503), (728, 30380), (735, 30350), (745, 30311), (765, 30245), (766, 30242), (771, 30227), (777, 30203), (786, 30179), (857, 29972), (898, 29837), (903, 29825), (909, 29816),

Gene: Coffee_57 Start: 52600, Stop: 50771, Start Num: 189

Candidate Starts for Coffee_57:

(Start: 189 @52600 has 57 MA's), (Start: 243 @52573 has 2 MA's), (254, 52543), (260, 52531), (271, 52504), (273, 52501), (278, 52492), (298, 52474), (343, 52378), (371, 52327), (382, 52303), (391, 52279), (434, 52141), (442, 52117), (445, 52105), (486, 52048), (499, 52012), (502, 52000), (511, 51976), (546, 51892), (556, 51862), (557, 51859), (570, 51829), (633, 51685), (659, 51619), (673, 51580), (676, 51568), (679, 51547), (684, 51529), (696, 51472), (715, 51415), (723, 51388), (729, 51358), (732, 51349), (747, 51283), (763, 51256), (765, 51247), (771, 51229), (777, 51205), (796, 51151), (800, 51139), (806, 51118), (840, 51049), (857, 50989), (862, 50971), (875, 50938), (879, 50926), (881, 50911), (882, 50908), (884, 50896), (892, 50872), (893, 50869), (911, 50821), (912, 50818), (922, 50797), (925, 50776),

Gene: ColaCorta_38 Start: 28731, Stop: 26866, Start Num: 270

Candidate Starts for ColaCorta_38:

(Start: 270 @28731 has 147 MA's), (296, 28686), (321, 28632), (357, 28572), (384, 28521), (412, 28443), (415, 28437), (429, 28392), (430, 28389), (431, 28386), (443, 28347), (463, 28287), (493, 28164), (498, 28155), (500, 28143), (503, 28131), (509, 28113), (516, 28092), (521, 28080), (610, 27909), (676, 27741), (723, 27576), (731, 27540), (735, 27519), (746, 27477), (773, 27390), (783, 27345), (816, 27246), (834, 27201), (836, 27192), (854, 27132), (858, 27108), (869, 27075), (896, 26964),

Gene: Colbert_59 Start: 53606, Stop: 51747, Start Num: 197

Candidate Starts for Colbert_59:

(Start: 175 @53630 has 5 MA's), (Start: 197 @53606 has 267 MA's), (Start: 231 @53582 has 5 MA's), (Start: 243 @53576 has 2 MA's), (260, 53534), (267, 53513), (316, 53399), (319, 53393), (337, 53363), (371, 53303), (381, 53282), (399, 53228), (403, 53216), (409, 53198), (413, 53186), (445, 53081), (486, 53024), (499, 52988), (502, 52976), (512, 52949), (524, 52922), (531, 52904), (539, 52886), (553, 52847), (556, 52838), (557, 52835), (558, 52832), (690, 52475), (696, 52442), (702, 52421), (729, 52328), (732, 52319), (747, 52256), (765, 52220), (766, 52217), (771, 52202), (796, 52124), (800, 52112), (806, 52091), (822, 52052), (857, 51962), (862, 51944), (864, 51938), (870, 51923), (879, 51899), (881, 51884), (882, 51881), (884, 51869), (892, 51845), (911, 51797), (922, 51773),

Gene: Colbster_48 Start: 31856, Stop: 30042, Start Num: 229

Candidate Starts for Colbster_48:

(Start: 229 @31856 has 918 MA's), (255, 31817), (261, 31805), (341, 31652), (349, 31637), (382, 31580), (402, 31523), (404, 31514), (418, 31472), (432, 31421), (448, 31370), (500, 31277), (516, 31229), (519, 31220), (528, 31205), (543, 31166), (553, 31139), (566, 31109), (607, 31016), (639, 30956), (649, 30941), (695, 30785), (719, 30698), (735, 30632), (745, 30593), (766, 30521), (777, 30482), (786, 30458), (792, 30440), (802, 30407), (811, 30380), (840, 30326), (857, 30266), (881, 30188), (898, 30131), (903, 30119), (909, 30110),

Gene: Coldpizza_51 Start: 48550, Stop: 46769, Start Num: 233

Candidate Starts for Coldpizza_51:

(166, 48637), (233, 48550), (258, 48505), (319, 48388), (371, 48304), (393, 48250), (425, 48160), (445, 48094), (486, 48037), (499, 48001), (502, 47989), (518, 47947), (557, 47848), (676, 47557), (696, 47461), (719, 47389), (727, 47356), (729, 47350), (732, 47341), (747, 47278), (766, 47239), (771, 47224), (775, 47209), (796, 47146), (800, 47134), (806, 47113), (808, 47104), (822, 47074), (849, 47029), (854, 47005), (857, 46984), (864, 46960), (879, 46921), (892, 46867), (922, 46795),

Gene: Coletti_63 Start: 55108, Stop: 53249, Start Num: 197

Candidate Starts for Coletti_63:

(Start: 175 @55132 has 5 MA's), (Start: 197 @55108 has 267 MA's), (Start: 231 @55084 has 5 MA's), (Start: 243 @55078 has 2 MA's), (260, 55036), (267, 55015), (316, 54901), (319, 54895), (337, 54865), (371, 54805), (381, 54784), (399, 54730), (403, 54718), (409, 54700), (413, 54688), (445, 54583), (486, 54526), (499, 54490), (502, 54478), (511, 54454), (516, 54442), (524, 54424), (531, 54406), (539, 54388), (553, 54349), (556, 54340), (557, 54337), (558, 54334), (690, 53977), (696, 53944), (702, 53923), (729, 53830), (732, 53821), (747, 53758), (765, 53722), (766, 53719), (771, 53704), (796, 53626), (800, 53614), (806, 53593), (822, 53554), (857, 53464), (862, 53446), (864, 53440), (870, 53425), (879, 53401), (881, 53386), (882, 53383), (884, 53371), (892, 53347), (911, 53299), (922, 53275),

Gene: Colin_46 Start: 32075, Stop: 30288, Start Num: 229

Candidate Starts for Colin_46:

(Start: 229 @32075 has 918 MA's), (343, 31868), (347, 31862), (365, 31832), (383, 31796), (394, 31769), (402, 31742), (408, 31721), (448, 31589), (500, 31496), (516, 31448), (519, 31439), (528, 31424), (553, 31358), (588, 31277), (611, 31229), (695, 31004), (707, 30953), (718, 30920), (719, 30917), (735, 30851), (745, 30812), (758, 30791), (781, 30716), (786, 30704), (828, 30590), (852, 30545), (853, 30536), (857, 30512), (877, 30455), (881, 30434), (898, 30377), (903, 30365),

Gene: Coltrane_40 Start: 27441, Stop: 29309, Start Num: 226

Candidate Starts for Coltrane_40:

(Start: 226 @27441 has 7 MA's), (Start: 229 @27444 has 918 MA's), (232, 27447), (266, 27516), (418, 27825), (437, 27879), (512, 28044), (543, 28119), (550, 28140), (683, 28494), (695, 28554), (707,

28605), (726, 28671), (735, 28707), (764, 28800), (821, 28971), (853, 29043), (877, 29124), (897, 29199), (898, 29202), (909, 29223), (937, 29292),

Gene: Commander_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Commander_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: Community_43 Start: 31334, Stop: 33199, Start Num: 229

Candidate Starts for Community_43:

(Start: 229 @31334 has 918 MA's), (260, 31382), (368, 31571), (394, 31631), (421, 31721), (501, 31928), (540, 32027), (543, 32036), (548, 32051), (553, 32063), (588, 32141), (611, 32189), (640, 32246), (669, 32327), (695, 32447), (704, 32477), (719, 32534), (735, 32600), (764, 32693), (786, 32765), (825, 32873), (853, 32936), (898, 33095), (902, 33104), (936, 33182),

Gene: Compostia_58 Start: 54083, Stop: 52266, Start Num: 238

Candidate Starts for Compostia_58:

(124, 54266), (Start: 238 @54083 has 44 MA's), (253, 54053), (347, 53873), (408, 53720), (412, 53708), (422, 53678), (426, 53672), (445, 53609), (447, 53603), (486, 53552), (498, 53525), (499, 53516), (516, 53468), (557, 53363), (596, 53267), (627, 53216), (676, 53072), (684, 53033), (691, 53003), (696, 52976), (700, 52964), (727, 52868), (729, 52862), (732, 52853), (734, 52841), (759, 52769), (765, 52739), (771, 52721), (773, 52712), (796, 52643), (800, 52631), (806, 52610), (840, 52541), (849, 52526), (854, 52502), (857, 52481), (862, 52463), (864, 52457), (877, 52424), (879, 52418), (882, 52400), (884, 52388), (888, 52376), (892, 52364), (908, 52322), (922, 52292),

Gene: ConceptII_46 Start: 35338, Stop: 33512, Start Num: 229

Candidate Starts for ConceptII_46:

(Start: 229 @35338 has 918 MA's), (347, 35125), (382, 35062), (394, 35032), (400, 35011), (402, 35005), (404, 34996), (440, 34879), (448, 34852), (500, 34759), (504, 34744), (516, 34711), (539, 34660), (540, 34657), (566, 34591), (580, 34561), (592, 34531), (614, 34486), (635, 34447), (695, 34267), (705, 34219), (719, 34180), (735, 34114), (745, 34075), (758, 34054), (765, 34033), (771, 34015), (792, 33949), (853, 33799), (854, 33796), (861, 33760), (870, 33736), (874, 33727), (878, 33715), (898, 33640), (909, 33619),

Gene: Connomayer_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Connomayer_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Conquerage_45 Start: 31513, Stop: 29720, Start Num: 229

Candidate Starts for Conquerage_45:

(Start: 229 @31513 has 918 MA's), (Start: 244 @31504 has 1 MA's), (261, 31462), (325, 31342), (327, 31339), (350, 31291), (383, 31231), (395, 31201), (398, 31189), (402, 31177), (448, 31024), (500, 30931), (553, 30793), (566, 30763), (640, 30604), (649, 30592), (666, 30565), (692, 30457), (695, 30436), (732, 30301), (735, 30283), (765, 30202), (777, 30160), (802, 30085), (808, 30064), (837, 30010), (853, 29968), (881, 29866), (898, 29809), (903, 29797), (909, 29788),

Gene: Conspiracy_38 Start: 30346, Stop: 28502, Start Num: 229

Candidate Starts for Conspiracy_38:

(Start: 229 @30346 has 918 MA's), (261, 30295), (296, 30235), (327, 30172), (341, 30142), (343, 30139), (378, 30082), (382, 30070), (394, 30040), (402, 30013), (432, 29911), (437, 29896), (448, 29860), (489, 29800), (500, 29764), (516, 29716), (550, 29632), (553, 29626), (586, 29554), (598, 29521), (607, 29506), (614, 29494), (664, 29395), (695, 29260), (704, 29230), (705, 29212), (707, 29209), (719, 29173), (723, 29164), (726, 29143), (729, 29134), (735, 29107), (736, 29104), (758, 29047), (765, 29026), (802, 28909), (823, 28855), (828, 28846), (840, 28828), (862, 28750), (880, 28693), (891, 28657), (898, 28633), (903, 28621),

Gene: Convict_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for Convict_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (407, 28661), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (629, 28067), (654, 28013), (661, 27992), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Coog_38 Start: 30444, Stop: 28579, Start Num: 229

Candidate Starts for Coog_38:

(Start: 229 @30444 has 918 MA's), (261, 30393), (296, 30333), (327, 30270), (341, 30240), (343, 30237), (378, 30180), (382, 30168), (394, 30138), (402, 30111), (448, 29958), (500, 29862), (516, 29814), (550, 29730), (553, 29724), (567, 29691), (586, 29652), (598, 29619), (607, 29604), (614, 29592), (664, 29493), (695, 29358), (704, 29328), (705, 29310), (707, 29307), (719, 29271), (723, 29262), (728, 29235), (735, 29205), (745, 29166), (765, 29124), (771, 29106), (786, 29058), (802, 29007), (823, 28953), (828, 28944), (840, 28926), (857, 28866), (862, 28848), (891, 28755), (898, 28731), (903, 28719), (947, 28614),

Gene: Cookiedough_45 Start: 29639, Stop: 27798, Start Num: 229

Candidate Starts for Cookiedough_45:

(Start: 229 @29639 has 918 MA's), (341, 29435), (382, 29360), (383, 29357), (394, 29330), (398, 29315), (402, 29303), (418, 29252), (444, 29162), (448, 29150), (500, 29057), (512, 29018), (519, 29000), (528, 28985), (553, 28919), (567, 28886), (569, 28883), (615, 28781), (649, 28721), (678, 28637), (695, 28556), (718, 28472), (719, 28469), (723, 28460), (728, 28433), (735, 28403), (758, 28343), (771, 28304), (853, 28088), (854, 28085), (857, 28064), (898, 27929), (903, 27917), (909, 27908), (911, 27905), (947, 27812),

Gene: Cooper_54 Start: 53229, Stop: 51376, Start Num: 189

Candidate Starts for Cooper_54:

(61, 53559), (96, 53439), (Start: 175 @53247 has 5 MA's), (Start: 189 @53229 has 57 MA's), (Start: 225 @53184 has 1 MA's), (Start: 243 @53175 has 2 MA's), (253, 53148), (260, 53133), (267, 53112), (308, 53025), (316, 53007), (368, 52920), (381, 52893), (386, 52878), (409, 52812), (420, 52782), (422, 52773), (425, 52770), (426, 52767), (434, 52740), (486, 52647), (493, 52629), (499, 52611), (502, 52599), (512, 52572), (553, 52470), (556, 52461), (557, 52458), (570, 52428), (676, 52167), (677, 52164), (684, 52128), (690, 52104), (696, 52071), (727, 51963), (729, 51957), (732, 51948), (765, 51849), (771, 51831), (796, 51753), (800, 51741), (806, 51720), (808, 51711), (840, 51651), (852, 51624), (857, 51591), (862, 51573), (864, 51567), (879, 51528), (881, 51513), (882, 51510), (884, 51498), (892, 51474), (908, 51432), (911, 51426), (922, 51402), (925, 51381),

Gene: Cornobble_60 Start: 54040, Stop: 52181, Start Num: 197

Candidate Starts for Cornobble_60:

(Start: 175 @54064 has 5 MA's), (Start: 197 @54040 has 267 MA's), (Start: 231 @54016 has 5 MA's), (Start: 243 @54010 has 2 MA's), (260, 53968), (267, 53947), (316, 53833), (319, 53827), (337, 53797), (371, 53737), (381, 53716), (399, 53662), (403, 53650), (409, 53632), (413, 53620), (445, 53515), (486, 53458), (499, 53422), (502, 53410), (511, 53386), (516, 53374), (524, 53356), (531, 53338), (539, 53320), (553, 53281), (556, 53272), (557, 53269), (558, 53266), (690, 52909), (696, 52876), (702, 52855), (729, 52762), (732, 52753), (747, 52690), (765, 52654), (766, 52651), (771, 52636), (796, 52558), (800, 52546), (806, 52525), (822, 52486), (857, 52396), (862, 52378), (864, 52372), (870, 52357), (879, 52333), (881, 52318), (882, 52315), (884, 52303), (892, 52279), (911, 52231), (922, 52207),

Gene: Corofin_58 Start: 53707, Stop: 51890, Start Num: 238

Candidate Starts for Corofin_58:

(124, 53890), (Start: 238 @53707 has 44 MA's), (253, 53677), (347, 53497), (408, 53344), (412, 53332), (422, 53302), (426, 53296), (445, 53233), (447, 53227), (486, 53176), (499, 53140), (516, 53092), (557, 52987), (596, 52891), (627, 52840), (676, 52696), (684, 52657), (691, 52627), (696, 52600), (700, 52588), (727, 52492), (729, 52486), (732, 52477), (734, 52465), (759, 52393), (765, 52363), (771, 52345), (773, 52336), (796, 52267), (800, 52255), (806, 52234), (840, 52165), (849, 52150), (854, 52126), (857, 52105), (862, 52087), (864, 52081), (877, 52048), (879, 52042), (882, 52024), (884, 52012), (888, 52000), (892, 51988), (908, 51946), (922, 51916),

Gene: Corvo_45 Start: 35201, Stop: 33375, Start Num: 229

Candidate Starts for Corvo_45:

(Start: 229 @35201 has 918 MA's), (347, 34988), (354, 34973), (394, 34895), (400, 34874), (402, 34868), (404, 34859), (440, 34742), (448, 34715), (500, 34622), (504, 34607), (511, 34586), (516, 34574), (539, 34523), (540, 34520), (566, 34454), (580, 34424), (592, 34394), (614, 34349), (635, 34310), (695, 34130), (705, 34082), (719, 34043), (735, 33977), (745, 33938), (758, 33917), (765, 33896), (771, 33878), (792, 33812), (853, 33662), (854, 33659), (861, 33623), (870, 33599), (874, 33590), (878, 33578), (898, 33503), (909, 33482),

Gene: CosmicSans_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for CosmicSans_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: Cosmolli16_61 Start: 54750, Stop: 52891, Start Num: 197

Candidate Starts for Cosmolli16_61:

(Start: 175 @54774 has 5 MA's), (Start: 197 @54750 has 267 MA's), (Start: 231 @54726 has 5 MA's), (Start: 243 @54720 has 2 MA's), (260, 54678), (267, 54657), (316, 54543), (319, 54537), (337, 54507), (371, 54447), (381, 54426), (399, 54372), (403, 54360), (409, 54342), (413, 54330), (445, 54225), (486, 54168), (499, 54132), (502, 54120), (512, 54093), (531, 54048), (539, 54030), (553, 53991), (556, 53982), (557, 53979), (558, 53976), (690, 53619), (696, 53586), (702, 53565), (729, 53472), (732, 53463), (747, 53400), (765, 53364), (766, 53361), (771, 53346), (796, 53268), (800, 53256), (806, 53235), (822, 53196), (857, 53106), (862, 53088), (864, 53082), (870, 53067), (879, 53043), (881, 53028), (882, 53025), (884, 53013), (892, 52989), (911, 52941), (922, 52917),

Gene: Cozz_41 Start: 32142, Stop: 29749, Start Num: 32

Candidate Starts for Cozz_41:

(Start: 32 @32142 has 16 MA's), (42, 32136), (Start: 55 @32088 has 1 MA's), (66, 32046), (76, 32022), (116, 31896), (121, 31872), (156, 31827), (186, 31776), (198, 31761), (211, 31740), (251,

31692), (263, 31659), (266, 31650), (311, 31575), (315, 31563), (352, 31494), (368, 31467), (371, 31461), (379, 31446), (398, 31392), (399, 31389), (405, 31371), (412, 31350), (432, 31290), (469, 31167), (470, 31161), (489, 31092), (500, 31050), (547, 30963), (570, 30939), (586, 30933), (594, 30909), (599, 30900), (606, 30885), (612, 30873), (633, 30831), (634, 30828), (635, 30825), (655, 30789), (685, 30678), (701, 30609), (702, 30603), (712, 30567), (726, 30510), (735, 30474), (744, 30438), (746, 30432), (748, 30426), (750, 30420), (766, 30363), (773, 30339), (783, 30294), (896, 29913), (910, 29868), (914, 29859), (935, 29799), (944, 29781),

Gene: Craff_63 Start: 54995, Stop: 53136, Start Num: 197

Candidate Starts for Craff_63:

(Start: 175 @55019 has 5 MA's), (Start: 197 @54995 has 267 MA's), (Start: 231 @54971 has 5 MA's), (Start: 243 @54965 has 2 MA's), (260, 54923), (267, 54902), (316, 54788), (319, 54782), (337, 54752), (371, 54692), (381, 54671), (399, 54617), (403, 54605), (409, 54587), (413, 54575), (445, 54470), (486, 54413), (499, 54377), (502, 54365), (512, 54338), (524, 54311), (531, 54293), (539, 54275), (553, 54236), (556, 54227), (557, 54224), (690, 53864), (696, 53831), (702, 53810), (729, 53717), (732, 53708), (747, 53645), (766, 53606), (771, 53591), (796, 53513), (800, 53501), (806, 53480), (822, 53441), (854, 53372), (857, 53351), (862, 53333), (864, 53327), (870, 53312), (879, 53288), (881, 53273), (882, 53270), (884, 53258), (892, 53234), (911, 53186), (922, 53162),

Gene: Crewmate_46 Start: 30025, Stop: 31890, Start Num: 229

Candidate Starts for Crewmate_46:

(Start: 229 @30025 has 918 MA's), (260, 30073), (347, 30238), (364, 30256), (394, 30322), (400, 30343), (504, 30628), (543, 30727), (548, 30742), (553, 30754), (588, 30832), (611, 30880), (640, 30937), (669, 31018), (695, 31138), (719, 31225), (733, 31282), (735, 31291), (825, 31564), (898, 31786),

Gene: Crispicous1_43 Start: 33950, Stop: 32124, Start Num: 229

Candidate Starts for Crispicous1_43:

(Start: 229 @33950 has 918 MA's), (347, 33737), (354, 33722), (382, 33674), (394, 33644), (400, 33623), (402, 33617), (404, 33608), (440, 33491), (448, 33464), (500, 33371), (504, 33356), (516, 33323), (539, 33272), (540, 33269), (566, 33203), (580, 33173), (592, 33143), (614, 33098), (635, 33059), (695, 32879), (705, 32831), (719, 32792), (735, 32726), (745, 32687), (758, 32666), (765, 32645), (771, 32627), (792, 32561), (853, 32411), (854, 32408), (861, 32372), (870, 32348), (874, 32339), (878, 32327), (883, 32300), (898, 32252), (909, 32231),

Gene: CroZenni_42 Start: 29399, Stop: 31273, Start Num: 229

Candidate Starts for CroZenni_42:

(Start: 229 @29399 has 918 MA's), (266, 29468), (280, 29489), (349, 29621), (404, 29735), (409, 29750), (418, 29777), (543, 30071), (648, 30305), (683, 30428), (695, 30488), (698, 30494), (707, 30539), (714, 30554), (716, 30569), (726, 30605), (735, 30641), (764, 30734), (793, 30827), (821, 30905), (853, 30977), (861, 31016), (877, 31058), (880, 31076), (891, 31112), (898, 31136), (909, 31157),

Gene: Crownjwl_60 Start: 54069, Stop: 52210, Start Num: 197

Candidate Starts for Crownjwl_60:

(Start: 175 @54093 has 5 MA's), (Start: 197 @54069 has 267 MA's), (Start: 231 @54045 has 5 MA's), (Start: 243 @54039 has 2 MA's), (260, 53997), (267, 53976), (316, 53862), (319, 53856), (337, 53826), (371, 53766), (381, 53745), (399, 53691), (403, 53679), (409, 53661), (413, 53649), (445, 53544), (486, 53487), (499, 53451), (502, 53439), (511, 53415), (516, 53403), (524, 53385), (531, 53367), (553, 53310), (556, 53301), (557, 53298), (558, 53295), (664, 53040), (690, 52938), (696, 52905), (702, 52884), (729, 52791), (732, 52782), (747, 52719), (765, 52683), (766, 52680), (771, 52665), (796, 52587), (800, 52575), (806, 52554), (822, 52515), (857, 52425), (862, 52407), (864, 52401), (870, 52386), (879, 52362), (881, 52347), (882, 52344), (884, 52332), (892, 52308), (911,

52260), (922, 52236),

Gene: Crucio_44 Start: 31285, Stop: 29498, Start Num: 229

Candidate Starts for Crucio_44:

(98, 31540), (Start: 229 @31285 has 918 MA's), (341, 31081), (343, 31078), (347, 31072), (354, 31057), (365, 31042), (382, 31009), (383, 31006), (394, 30979), (402, 30952), (408, 30931), (418, 30901), (448, 30799), (500, 30706), (516, 30658), (519, 30649), (528, 30634), (553, 30568), (588, 30487), (611, 30439), (614, 30433), (649, 30370), (678, 30295), (695, 30214), (707, 30163), (718, 30130), (719, 30127), (735, 30061), (745, 30022), (758, 30001), (781, 29926), (788, 29908), (802, 29863), (811, 29836), (828, 29800), (837, 29788), (840, 29782), (853, 29746), (857, 29722), (881, 29644), (898, 29587), (903, 29575), (909, 29566),

Gene: Cuco_38 Start: 30397, Stop: 28532, Start Num: 229

Candidate Starts for Cuco_38:

(Start: 229 @30397 has 918 MA's), (261, 30346), (296, 30286), (327, 30223), (341, 30193), (343, 30190), (378, 30133), (382, 30121), (394, 30091), (402, 30064), (448, 29911), (500, 29815), (516, 29767), (550, 29683), (553, 29677), (567, 29644), (586, 29605), (607, 29557), (614, 29545), (664, 29446), (695, 29311), (704, 29281), (705, 29263), (714, 29245), (719, 29224), (723, 29215), (728, 29188), (735, 29158), (745, 29119), (765, 29077), (771, 29059), (786, 29011), (802, 28960), (823, 28906), (828, 28897), (840, 28879), (857, 28819), (862, 28801), (891, 28708), (898, 28684), (903, 28672), (947, 28567),

Gene: Cueyllyss_46 Start: 36237, Stop: 34411, Start Num: 229

Candidate Starts for Cueyllyss_46:

(Start: 229 @36237 has 918 MA's), (347, 36024), (354, 36009), (394, 35931), (400, 35910), (402, 35904), (404, 35895), (440, 35778), (448, 35751), (500, 35658), (504, 35643), (539, 35559), (540, 35556), (566, 35490), (580, 35460), (592, 35430), (614, 35385), (635, 35346), (695, 35166), (704, 35136), (705, 35118), (707, 35115), (719, 35079), (735, 35013), (765, 34932), (766, 34929), (792, 34848), (853, 34698), (854, 34695), (861, 34659), (870, 34635), (874, 34626), (878, 34614), (881, 34596), (883, 34587), (898, 34539), (909, 34518),

Gene: Cullens_48 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for Cullens_48:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (639, 30952), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Cyan_41 Start: 29677, Stop: 31542, Start Num: 229

Candidate Starts for Cyan_41:

(Start: 229 @29677 has 918 MA's), (260, 29725), (394, 29974), (421, 30064), (501, 30271), (504, 30280), (540, 30370), (543, 30379), (548, 30394), (567, 30439), (588, 30484), (611, 30532), (640, 30589), (669, 30670), (689, 30757), (695, 30790), (704, 30820), (719, 30877), (735, 30943), (764, 31036), (786, 31108), (825, 31216), (853, 31279), (857, 31303), (891, 31414), (898, 31438), (902, 31447),

Gene: D29_44 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for D29_44:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649,

30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: D32_47 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for D32_47:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649, 30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: DBQu4n_47 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for DBQu4n_47:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649, 30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (837, 29620), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: DD5_44 Start: 35207, Stop: 33381, Start Num: 229

Candidate Starts for DD5_44:

(Start: 229 @35207 has 918 MA's), (347, 34994), (382, 34931), (394, 34901), (402, 34874), (404, 34865), (440, 34748), (448, 34721), (500, 34628), (504, 34613), (539, 34529), (540, 34526), (566, 34460), (580, 34430), (592, 34400), (614, 34355), (635, 34316), (695, 34136), (705, 34088), (719, 34049), (735, 33983), (745, 33944), (758, 33923), (765, 33902), (771, 33884), (792, 33818), (853, 33668), (854, 33665), (861, 33629), (874, 33596), (878, 33584), (898, 33509), (909, 33488),

Gene: DaHudson_48 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for DaHudson_48:

(143, 31971), (Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614, 30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: DaVinci_45 Start: 29628, Stop: 27787, Start Num: 229

Candidate Starts for DaVinci_45:

(Start: 229 @29628 has 918 MA's), (341, 29424), (382, 29349), (383, 29346), (394, 29319), (398, 29304), (402, 29292), (418, 29241), (444, 29151), (448, 29139), (500, 29046), (512, 29007), (519, 28989), (528, 28974), (553, 28908), (567, 28875), (569, 28872), (615, 28770), (649, 28710), (678, 28626), (695, 28545), (718, 28461), (719, 28458), (723, 28449), (728, 28422), (735, 28392), (758, 28332), (771, 28293), (853, 28077), (854, 28074), (857, 28053), (898, 27918), (903, 27906), (909, 27897), (911, 27894), (947, 27801),

Gene: DaddyDaniels_62 Start: 54528, Stop: 52669, Start Num: 197

Candidate Starts for DaddyDaniels_62:

(Start: 175 @54552 has 5 MA's), (Start: 197 @54528 has 267 MA's), (Start: 231 @54504 has 5 MA's), (Start: 243 @54498 has 2 MA's), (260, 54456), (267, 54435), (316, 54321), (319, 54315), (337, 54285), (371, 54225), (381, 54204), (399, 54150), (403, 54138), (409, 54120), (413, 54108), (445,

54003), (486, 53946), (499, 53910), (502, 53898), (512, 53871), (524, 53844), (531, 53826), (539, 53808), (553, 53769), (556, 53760), (557, 53757), (664, 53499), (690, 53397), (696, 53364), (702, 53343), (729, 53250), (732, 53241), (747, 53178), (765, 53142), (766, 53139), (771, 53124), (796, 53046), (800, 53034), (806, 53013), (822, 52974), (857, 52884), (862, 52866), (864, 52860), (870, 52845), (879, 52821), (881, 52806), (882, 52803), (884, 52791), (892, 52767), (911, 52719), (922, 52695),

Gene: Daffy_60 Start: 54033, Stop: 52174, Start Num: 197

Candidate Starts for Daffy_60:

(Start: 175 @54057 has 5 MA's), (Start: 197 @54033 has 267 MA's), (Start: 231 @54009 has 5 MA's), (Start: 243 @54003 has 2 MA's), (260, 53961), (267, 53940), (316, 53826), (319, 53820), (337, 53790), (371, 53730), (381, 53709), (399, 53655), (403, 53643), (409, 53625), (413, 53613), (445, 53508), (486, 53451), (499, 53415), (502, 53403), (512, 53376), (531, 53331), (553, 53274), (556, 53265), (557, 53262), (690, 52902), (696, 52869), (702, 52848), (729, 52755), (732, 52746), (747, 52683), (765, 52647), (766, 52644), (771, 52629), (796, 52551), (800, 52539), (806, 52518), (822, 52479), (857, 52389), (862, 52371), (864, 52365), (870, 52350), (879, 52326), (881, 52311), (882, 52308), (884, 52296), (892, 52272), (911, 52224), (922, 52200),

Gene: Daishi_47 Start: 30725, Stop: 28911, Start Num: 229

Candidate Starts for Daishi_47:

(Start: 229 @30725 has 918 MA's), (255, 30686), (261, 30674), (341, 30521), (349, 30506), (382, 30449), (402, 30392), (404, 30383), (418, 30341), (432, 30290), (448, 30239), (487, 30185), (500, 30146), (516, 30098), (528, 30074), (543, 30035), (553, 30008), (566, 29978), (607, 29885), (614, 29873), (639, 29825), (649, 29810), (695, 29654), (707, 29603), (718, 29570), (719, 29567), (735, 29501), (745, 29462), (766, 29390), (777, 29351), (786, 29327), (792, 29309), (802, 29276), (840, 29195), (857, 29135), (883, 29048), (898, 29000), (903, 28988), (909, 28979), (911, 28976),

Gene: Daisy_57 Start: 53240, Stop: 51423, Start Num: 238

Candidate Starts for Daisy_57:

(124, 53423), (Start: 238 @53240 has 44 MA's), (253, 53210), (347, 53030), (408, 52877), (412, 52865), (422, 52835), (426, 52829), (445, 52766), (447, 52760), (486, 52709), (498, 52682), (499, 52673), (516, 52625), (557, 52520), (596, 52424), (627, 52373), (676, 52229), (684, 52190), (691, 52160), (696, 52133), (700, 52121), (727, 52025), (729, 52019), (732, 52010), (734, 51998), (759, 51926), (765, 51896), (771, 51878), (773, 51869), (796, 51800), (800, 51788), (806, 51767), (840, 51698), (849, 51683), (854, 51659), (857, 51638), (864, 51614), (877, 51581), (879, 51575), (882, 51557), (884, 51545), (888, 51533), (892, 51521), (908, 51479), (922, 51449),

Gene: Daka_63 Start: 54549, Stop: 52690, Start Num: 197

Candidate Starts for Daka_63:

(Start: 175 @54573 has 5 MA's), (Start: 197 @54549 has 267 MA's), (Start: 231 @54525 has 5 MA's), (Start: 243 @54519 has 2 MA's), (260, 54477), (267, 54456), (316, 54342), (319, 54336), (337, 54306), (371, 54246), (381, 54225), (399, 54171), (403, 54159), (409, 54141), (413, 54129), (445, 54024), (486, 53967), (499, 53931), (502, 53919), (512, 53892), (531, 53847), (553, 53790), (556, 53781), (557, 53778), (558, 53775), (690, 53418), (696, 53385), (702, 53364), (729, 53271), (732, 53262), (747, 53199), (765, 53163), (766, 53160), (771, 53145), (796, 53067), (800, 53055), (806, 53034), (822, 52995), (857, 52905), (862, 52887), (864, 52881), (870, 52866), (879, 52842), (881, 52827), (882, 52824), (884, 52812), (892, 52788), (898, 52767), (911, 52740), (922, 52716), (924, 52701),

Gene: Dalmatian_45 Start: 31678, Stop: 29891, Start Num: 229

Candidate Starts for Dalmatian_45:

(Start: 229 @31678 has 918 MA's), (341, 31474), (343, 31471), (347, 31465), (354, 31450), (365, 31435), (382, 31402), (383, 31399), (394, 31372), (402, 31345), (408, 31324), (448, 31192), (500,

31099), (511, 31063), (516, 31051), (519, 31042), (528, 31027), (553, 30961), (588, 30880), (611, 30832), (614, 30826), (649, 30763), (695, 30607), (707, 30556), (718, 30523), (719, 30520), (735, 30454), (745, 30415), (758, 30394), (781, 30319), (786, 30307), (828, 30193), (840, 30175), (853, 30139), (857, 30115), (881, 30037), (898, 29980), (903, 29968), (909, 29959),

Gene: Danforth_42 Start: 30571, Stop: 28727, Start Num: 229

Candidate Starts for Danforth_42:

(128, 30736), (Start: 229 @30571 has 918 MA's), (261, 30520), (327, 30397), (341, 30367), (365, 30328), (382, 30295), (394, 30265), (400, 30244), (402, 30238), (404, 30229), (432, 30136), (441, 30109), (448, 30085), (500, 29989), (503, 29977), (508, 29962), (516, 29941), (519, 29932), (543, 29878), (553, 29851), (576, 29803), (598, 29746), (614, 29719), (640, 29668), (650, 29653), (692, 29506), (695, 29485), (704, 29455), (705, 29437), (707, 29434), (714, 29419), (719, 29398), (723, 29389), (728, 29362), (732, 29350), (735, 29332), (765, 29251), (769, 29239), (786, 29185), (798, 29149), (823, 29080), (837, 29059), (840, 29053), (854, 29014), (857, 28993), (862, 28975), (898, 28858), (903, 28846),

Gene: Darrell_46 Start: 31850, Stop: 30057, Start Num: 229

Candidate Starts for Darrell_46:

(Start: 229 @31850 has 918 MA's), (Start: 244 @31841 has 1 MA's), (261, 31799), (296, 31739), (311, 31712), (325, 31679), (327, 31676), (341, 31646), (347, 31637), (351, 31628), (383, 31568), (395, 31538), (398, 31526), (402, 31514), (418, 31463), (448, 31361), (500, 31268), (550, 31136), (566, 31100), (649, 30929), (666, 30902), (668, 30896), (695, 30773), (723, 30677), (728, 30650), (735, 30620), (745, 30581), (763, 30548), (765, 30539), (777, 30497), (802, 30422), (808, 30401), (853, 30305), (877, 30224), (898, 30146), (903, 30134), (909, 30125),

Gene: DARTHPhader_42 Start: 32266, Stop: 30422, Start Num: 229

Candidate Starts for DARTHPhader_42:

(136, 32410), (147, 32383), (Start: 229 @32266 has 918 MA's), (296, 32155), (327, 32092), (341, 32062), (347, 32053), (365, 32020), (382, 31987), (394, 31957), (402, 31930), (408, 31909), (448, 31777), (500, 31684), (519, 31627), (528, 31612), (553, 31546), (576, 31498), (603, 31429), (649, 31348), (667, 31306), (678, 31261), (682, 31243), (695, 31180), (707, 31129), (719, 31093), (735, 31027), (745, 30988), (758, 30967), (765, 30946), (828, 30766), (853, 30712), (854, 30709), (857, 30688), (877, 30631), (881, 30610), (898, 30553), (903, 30541), (925, 30484),

Gene: Dati_60 Start: 54564, Stop: 52705, Start Num: 197

Candidate Starts for Dati_60:

(Start: 175 @54588 has 5 MA's), (Start: 197 @54564 has 267 MA's), (Start: 231 @54540 has 5 MA's), (Start: 243 @54534 has 2 MA's), (260, 54492), (267, 54471), (316, 54357), (319, 54351), (337, 54321), (371, 54261), (381, 54240), (399, 54186), (403, 54174), (409, 54156), (413, 54144), (445, 54039), (486, 53982), (499, 53946), (502, 53934), (511, 53910), (516, 53898), (524, 53880), (531, 53862), (539, 53844), (553, 53805), (556, 53796), (557, 53793), (558, 53790), (690, 53433), (696, 53400), (702, 53379), (729, 53286), (732, 53277), (747, 53214), (765, 53178), (766, 53175), (771, 53160), (796, 53082), (800, 53070), (806, 53049), (822, 53010), (857, 52920), (862, 52902), (864, 52896), (870, 52881), (879, 52857), (881, 52842), (882, 52839), (884, 52827), (892, 52803), (911, 52755), (922, 52731),

Gene: Datway_44 Start: 31508, Stop: 29679, Start Num: 229

Candidate Starts for Datway_44:

(Start: 229 @31508 has 918 MA's), (261, 31457), (273, 31427), (365, 31265), (376, 31247), (382, 31232), (402, 31175), (404, 31166), (441, 31046), (448, 31022), (483, 30980), (500, 30929), (517, 30881), (528, 30860), (543, 30821), (560, 30776), (564, 30770), (598, 30689), (611, 30668), (635, 30623), (692, 30458), (695, 30437), (735, 30284), (745, 30245), (766, 30173), (771, 30158), (777, 30134), (783, 30116), (786, 30110), (788, 30104), (857, 29903), (898, 29768), (903, 29756), (909,

29747),

Gene: Dave_39 Start: 28922, Stop: 27057, Start Num: 270

Candidate Starts for Dave_39:

(Start: 216 @29009 has 3 MA's), (219, 29006), (Start: 270 @28922 has 147 MA's), (Start: 276 @28913 has 5 MA's), (333, 28808), (336, 28799), (353, 28769), (355, 28766), (408, 28646), (412, 28634), (415, 28628), (449, 28523), (456, 28496), (493, 28355), (497, 28349), (498, 28346), (500, 28334), (508, 28307), (509, 28304), (514, 28289), (516, 28283), (518, 28277), (531, 28244), (602, 28115), (629, 28055), (685, 27890), (728, 27740), (731, 27731), (732, 27728), (735, 27710), (746, 27668), (748, 27662), (751, 27653), (756, 27638), (773, 27581), (820, 27422), (834, 27392), (836, 27383), (854, 27323), (858, 27299), (870, 27260), (879, 27227), (880, 27215), (896, 27155),

Gene: Deano_44 Start: 31578, Stop: 29752, Start Num: 229

Candidate Starts for Deano_44:

(Start: 229 @31578 has 918 MA's), (250, 31557), (261, 31527), (273, 31497), (365, 31335), (376, 31317), (402, 31245), (404, 31236), (441, 31116), (448, 31092), (500, 30999), (517, 30951), (528, 30930), (543, 30891), (598, 30759), (611, 30738), (635, 30693), (640, 30681), (692, 30528), (695, 30507), (728, 30384), (735, 30354), (745, 30315), (765, 30249), (766, 30246), (771, 30231), (777, 30207), (786, 30183), (857, 29976), (898, 29841), (903, 29829), (909, 29820),

Gene: Deenasa_58 Start: 54545, Stop: 52728, Start Num: 238

Candidate Starts for Deenasa_58:

(124, 54728), (Start: 238 @54545 has 44 MA's), (253, 54515), (347, 54335), (408, 54182), (412, 54170), (422, 54140), (426, 54134), (445, 54071), (447, 54065), (486, 54014), (498, 53987), (499, 53978), (516, 53930), (557, 53825), (596, 53729), (627, 53678), (676, 53534), (684, 53495), (691, 53465), (696, 53438), (700, 53426), (727, 53330), (729, 53324), (732, 53315), (734, 53303), (759, 53231), (765, 53201), (771, 53183), (773, 53174), (796, 53105), (800, 53093), (806, 53072), (840, 53003), (849, 52988), (854, 52964), (862, 52925), (864, 52919), (879, 52880), (882, 52862), (884, 52850), (892, 52826), (922, 52754),

Gene: DekHockey33_47 Start: 30182, Stop: 28392, Start Num: 229

Candidate Starts for DekHockey33_47:

(Start: 229 @30182 has 918 MA's), (327, 30008), (382, 29903), (383, 29900), (394, 29873), (402, 29846), (418, 29795), (448, 29693), (500, 29600), (514, 29555), (516, 29552), (519, 29543), (588, 29381), (598, 29354), (611, 29333), (614, 29327), (669, 29228), (678, 29189), (690, 29138), (695, 29108), (707, 29057), (718, 29024), (726, 28991), (728, 28985), (735, 28955), (758, 28895), (765, 28874), (777, 28832), (787, 28805), (792, 28790), (823, 28703), (853, 28640), (854, 28637), (898, 28481), (903, 28469), (911, 28457),

Gene: DelRivs_59 Start: 54011, Stop: 52152, Start Num: 197

Candidate Starts for DelRivs_59:

(Start: 175 @54035 has 5 MA's), (Start: 197 @54011 has 267 MA's), (Start: 231 @53987 has 5 MA's), (Start: 243 @53981 has 2 MA's), (260, 53939), (267, 53918), (316, 53804), (319, 53798), (337, 53768), (371, 53708), (381, 53687), (399, 53633), (403, 53621), (409, 53603), (413, 53591), (445, 53486), (486, 53429), (499, 53393), (502, 53381), (511, 53357), (516, 53345), (524, 53327), (531, 53309), (539, 53291), (553, 53252), (556, 53243), (557, 53240), (558, 53237), (690, 52880), (696, 52847), (702, 52826), (729, 52733), (732, 52724), (747, 52661), (765, 52625), (766, 52622), (771, 52607), (796, 52529), (800, 52517), (806, 52496), (822, 52457), (857, 52367), (862, 52349), (864, 52343), (870, 52328), (879, 52304), (881, 52289), (882, 52286), (884, 52274), (892, 52250), (911, 52202), (922, 52178),

Gene: Deloris_43 Start: 30897, Stop: 29110, Start Num: 229

Candidate Starts for Deloris_43:

(Start: 229 @30897 has 918 MA's), (341, 30693), (343, 30690), (347, 30684), (354, 30669), (365, 30654), (382, 30621), (383, 30618), (394, 30591), (402, 30564), (408, 30543), (418, 30513), (448, 30411), (500, 30318), (502, 30309), (516, 30270), (519, 30261), (528, 30246), (553, 30180), (588, 30099), (611, 30051), (614, 30045), (678, 29907), (695, 29826), (707, 29775), (718, 29742), (719, 29739), (735, 29673), (745, 29634), (758, 29613), (781, 29538), (788, 29520), (802, 29475), (811, 29448), (828, 29412), (840, 29394), (853, 29358), (857, 29334), (877, 29277), (898, 29199), (903, 29187),

Gene: Delphidian_39 Start: 28933, Stop: 27068, Start Num: 270

Candidate Starts for Delphidian_39:

(Start: 216 @29020 has 3 MA's), (Start: 270 @28933 has 147 MA's), (Start: 276 @28924 has 5 MA's), (333, 28819), (336, 28810), (353, 28780), (355, 28777), (408, 28657), (412, 28645), (415, 28639), (449, 28534), (456, 28507), (493, 28366), (497, 28360), (498, 28357), (500, 28345), (508, 28318), (509, 28315), (514, 28300), (516, 28294), (518, 28288), (531, 28255), (602, 28126), (629, 28066), (728, 27751), (731, 27742), (732, 27739), (735, 27721), (746, 27679), (748, 27673), (751, 27664), (756, 27649), (773, 27592), (820, 27433), (834, 27403), (836, 27394), (854, 27334), (858, 27310), (870, 27271), (879, 27238), (880, 27226), (896, 27166),

Gene: Den3_39 Start: 28939, Stop: 27074, Start Num: 270

Candidate Starts for Den3_39:

(Start: 216 @29026 has 3 MA's), (219, 29023), (263, 28954), (Start: 270 @28939 has 147 MA's), (Start: 276 @28930 has 5 MA's), (333, 28825), (336, 28816), (353, 28786), (355, 28783), (408, 28663), (412, 28651), (415, 28645), (449, 28540), (456, 28513), (493, 28372), (498, 28363), (500, 28351), (508, 28324), (509, 28321), (514, 28306), (516, 28300), (518, 28294), (531, 28261), (629, 28072), (728, 27757), (731, 27748), (732, 27745), (735, 27727), (746, 27685), (748, 27679), (756, 27655), (773, 27598), (820, 27439), (834, 27409), (836, 27400), (854, 27340), (858, 27316), (870, 27277), (879, 27244), (880, 27232), (896, 27172),

Gene: Derpp_60 Start: 54131, Stop: 52272, Start Num: 197

Candidate Starts for Derpp_60:

(Start: 175 @54155 has 5 MA's), (Start: 197 @54131 has 267 MA's), (Start: 231 @54107 has 5 MA's), (Start: 243 @54101 has 2 MA's), (260, 54059), (267, 54038), (316, 53924), (319, 53918), (337, 53888), (371, 53828), (381, 53807), (399, 53753), (403, 53741), (409, 53723), (413, 53711), (445, 53606), (486, 53549), (499, 53513), (502, 53501), (511, 53477), (516, 53465), (524, 53447), (531, 53429), (539, 53411), (553, 53372), (556, 53363), (557, 53360), (558, 53357), (664, 53102), (690, 53000), (696, 52967), (702, 52946), (729, 52853), (732, 52844), (747, 52781), (765, 52745), (766, 52742), (771, 52727), (796, 52649), (800, 52637), (806, 52616), (822, 52577), (857, 52487), (862, 52469), (864, 52463), (870, 52448), (879, 52424), (881, 52409), (882, 52406), (884, 52394), (892, 52370), (898, 52349), (911, 52322), (922, 52298), (924, 52283),

Gene: Devonte_57 Start: 53319, Stop: 51502, Start Num: 238

Candidate Starts for Devonte_57:

(124, 53502), (Start: 238 @53319 has 44 MA's), (253, 53289), (347, 53109), (408, 52956), (412, 52944), (422, 52914), (426, 52908), (445, 52845), (447, 52839), (486, 52788), (498, 52761), (499, 52752), (516, 52704), (557, 52599), (596, 52503), (627, 52452), (676, 52308), (684, 52269), (691, 52239), (696, 52212), (700, 52200), (727, 52104), (729, 52098), (732, 52089), (734, 52077), (759, 52005), (765, 51975), (771, 51957), (773, 51948), (796, 51879), (800, 51867), (806, 51846), (840, 51777), (849, 51762), (854, 51738), (857, 51717), (862, 51699), (864, 51693), (877, 51660), (879, 51654), (882, 51636), (884, 51624), (888, 51612), (892, 51600), (908, 51558), (922, 51528),

Gene: Dewdrop_95 Start: 58518, Stop: 60557, Start Num: 188

Candidate Starts for Dewdrop_95:

(Start: 188 @58518 has 5 MA's), (260, 58629), (261, 58632), (271, 58659), (301, 58716), (320, 58752), (338, 58791), (368, 58845), (375, 58857), (379, 58866), (392, 58902), (408, 58962), (413, 58977), (417, 58989), (432, 59034), (442, 59064), (474, 59178), (499, 59271), (500, 59274), (502, 59283), (508, 59301), (561, 59409), (590, 59463), (594, 59475), (625, 59541), (653, 59610), (704, 59763), (728, 59847), (735, 59877), (772, 60009), (773, 60012), (782, 60048), (790, 60081), (802, 60120), (854, 60270), (858, 60294), (860, 60300), (864, 60315), (872, 60345), (889, 60423), (896, 60444), (903, 60474), (920, 60516), (932, 60552),

Gene: Dexes_45 Start: 35367, Stop: 33580, Start Num: 229

Candidate Starts for Dexes_45:

(Start: 229 @35367 has 918 MA's), (347, 35154), (354, 35139), (382, 35091), (394, 35061), (400, 35040), (402, 35034), (404, 35025), (440, 34908), (448, 34881), (500, 34788), (504, 34773), (516, 34740), (539, 34689), (540, 34686), (566, 34620), (580, 34590), (592, 34560), (614, 34515), (635, 34476), (695, 34296), (705, 34248), (707, 34245), (719, 34209), (735, 34143), (763, 34071), (765, 34062), (792, 33978), (823, 33891), (870, 33765), (875, 33753), (898, 33669), (901, 33663),

Gene: Dhanush_45 Start: 31573, Stop: 29747, Start Num: 229

Candidate Starts for Dhanush_45:

(Start: 229 @31573 has 918 MA's), (250, 31552), (261, 31522), (273, 31492), (365, 31330), (376, 31312), (402, 31240), (404, 31231), (441, 31111), (448, 31087), (500, 30994), (517, 30946), (528, 30925), (543, 30886), (598, 30754), (611, 30733), (635, 30688), (640, 30676), (692, 30523), (695, 30502), (728, 30379), (735, 30349), (745, 30310), (765, 30244), (766, 30241), (771, 30226), (777, 30202), (786, 30178), (857, 29971), (898, 29836), (903, 29824), (909, 29815),

Gene: Dice_59 Start: 54016, Stop: 52157, Start Num: 197

Candidate Starts for Dice_59:

(Start: 175 @54040 has 5 MA's), (Start: 197 @54016 has 267 MA's), (Start: 231 @53992 has 5 MA's), (Start: 243 @53986 has 2 MA's), (260, 53944), (267, 53923), (316, 53809), (319, 53803), (337, 53773), (371, 53713), (381, 53692), (399, 53638), (403, 53626), (409, 53608), (413, 53596), (445, 53491), (486, 53434), (499, 53398), (502, 53386), (512, 53359), (524, 53332), (531, 53314), (539, 53296), (553, 53257), (556, 53248), (557, 53245), (690, 52885), (696, 52852), (702, 52831), (729, 52738), (732, 52729), (747, 52666), (765, 52630), (766, 52627), (771, 52612), (796, 52534), (800, 52522), (806, 52501), (822, 52462), (857, 52372), (862, 52354), (864, 52348), (870, 52333), (879, 52309), (881, 52294), (882, 52291), (884, 52279), (892, 52255), (911, 52207), (922, 52183),

Gene: DickRichards_41 Start: 29838, Stop: 31712, Start Num: 229

Candidate Starts for DickRichards_41:

(Start: 229 @29838 has 918 MA's), (266, 29907), (280, 29928), (404, 30174), (409, 30189), (418, 30216), (543, 30510), (598, 30645), (648, 30744), (683, 30867), (695, 30927), (698, 30933), (707, 30978), (714, 30993), (716, 31008), (726, 31044), (735, 31080), (764, 31173), (793, 31266), (821, 31344), (853, 31416), (861, 31455), (877, 31497), (880, 31515), (891, 31551), (898, 31575), (909, 31596),

Gene: Didgeridoo_45 Start: 30205, Stop: 32079, Start Num: 229

Candidate Starts for Didgeridoo_45:

(Start: 229 @30205 has 918 MA's), (266, 30274), (280, 30295), (404, 30541), (409, 30556), (437, 30637), (543, 30877), (648, 31111), (682, 31231), (683, 31234), (695, 31294), (714, 31360), (716, 31375), (726, 31411), (735, 31447), (764, 31540), (821, 31711), (822, 31714), (853, 31783), (861, 31822), (877, 31864), (880, 31882), (891, 31918), (898, 31942), (909, 31963),

Gene: Dieselweasel_49 Start: 31855, Stop: 30041, Start Num: 229

Candidate Starts for Dieselweasel_49:

(Start: 229 @31855 has 918 MA's), (255, 31816), (261, 31804), (341, 31651), (349, 31636), (382, 31579), (402, 31522), (404, 31513), (418, 31471), (432, 31420), (448, 31369), (500, 31276), (516, 31228), (519, 31219), (528, 31204), (543, 31165), (553, 31138), (566, 31108), (607, 31015), (639, 30955), (649, 30940), (695, 30784), (719, 30697), (735, 30631), (745, 30592), (766, 30520), (777, 30481), (786, 30457), (792, 30439), (802, 30406), (811, 30379), (840, 30325), (857, 30265), (881, 30187), (898, 30130), (903, 30118), (909, 30109),

Gene: DigitDog_58 Start: 54425, Stop: 52578, Start Num: 180

Candidate Starts for DigitDog_58:

(17, 54914), (19, 54908), (30, 54857), (34, 54839), (71, 54701), (144, 54491), (180, 54425), (Start: 242 @54377 has 4 MA's), (253, 54350), (277, 54299), (345, 54179), (371, 54131), (409, 54029), (425, 53987), (436, 53951), (445, 53921), (499, 53828), (511, 53792), (516, 53780), (524, 53762), (557, 53675), (603, 53570), (655, 53447), (677, 53381), (679, 53363), (691, 53315), (696, 53288), (727, 53180), (729, 53174), (732, 53165), (736, 53144), (759, 53081), (766, 53048), (771, 53033), (790, 52973), (796, 52955), (800, 52943), (806, 52922), (808, 52913), (810, 52910), (816, 52898), (857, 52793), (862, 52775), (864, 52769), (879, 52730), (881, 52715), (882, 52712), (888, 52688), (892, 52676), (893, 52673), (922, 52604),

Gene: Dignity_46 Start: 31741, Stop: 29954, Start Num: 229

Candidate Starts for Dignity_46:

(Start: 229 @31741 has 918 MA's), (343, 31534), (347, 31528), (354, 31513), (365, 31498), (383, 31462), (394, 31435), (402, 31408), (408, 31387), (448, 31255), (500, 31162), (516, 31114), (519, 31105), (528, 31090), (553, 31024), (588, 30943), (611, 30895), (614, 30889), (695, 30670), (707, 30619), (718, 30586), (719, 30583), (735, 30517), (745, 30478), (758, 30457), (781, 30382), (786, 30370), (802, 30319), (828, 30256), (840, 30238), (853, 30202), (857, 30178), (881, 30100), (898, 30043), (903, 30031), (909, 30022),

Gene: Dinger_36 Start: 28097, Stop: 26313, Start Num: 229

Candidate Starts for Dinger_36:

(Start: 229 @28097 has 918 MA's), (325, 27926), (361, 27863), (381, 27824), (382, 27821), (398, 27776), (402, 27764), (404, 27755), (448, 27611), (500, 27518), (543, 27407), (553, 27380), (598, 27275), (614, 27248), (635, 27209), (695, 27029), (705, 26981), (735, 26876), (736, 26873), (758, 26816), (765, 26795), (779, 26747), (804, 26672), (837, 26603), (853, 26561), (854, 26558), (857, 26537), (861, 26522), (881, 26459), (898, 26402), (903, 26390), (923, 26351), (925, 26333),

Gene: Dingo_59 Start: 53575, Stop: 51716, Start Num: 197

Candidate Starts for Dingo_59:

(Start: 175 @53599 has 5 MA's), (Start: 197 @53575 has 267 MA's), (Start: 231 @53551 has 5 MA's), (Start: 243 @53545 has 2 MA's), (253, 53518), (260, 53503), (267, 53482), (316, 53368), (319, 53362), (337, 53332), (371, 53272), (381, 53251), (399, 53197), (403, 53185), (409, 53167), (413, 53155), (445, 53050), (486, 52993), (499, 52957), (502, 52945), (512, 52918), (516, 52909), (531, 52873), (553, 52816), (556, 52807), (557, 52804), (558, 52801), (690, 52444), (696, 52411), (702, 52390), (729, 52297), (732, 52288), (747, 52225), (765, 52189), (766, 52186), (771, 52171), (796, 52093), (800, 52081), (806, 52060), (822, 52021), (857, 51931), (862, 51913), (864, 51907), (870, 51892), (879, 51868), (881, 51853), (882, 51850), (884, 51838), (892, 51814), (911, 51766), (922, 51742),

Gene: Dione_58 Start: 53747, Stop: 51888, Start Num: 197

Candidate Starts for Dione_58:

(Start: 175 @53771 has 5 MA's), (Start: 197 @53747 has 267 MA's), (Start: 231 @53723 has 5 MA's), (Start: 243 @53717 has 2 MA's), (260, 53675), (267, 53654), (316, 53540), (319, 53534), (337, 53504), (371, 53444), (381, 53423), (399, 53369), (403, 53357), (409, 53339), (413, 53327), (445, 53222), (486, 53165), (499, 53129), (502, 53117), (511, 53093), (516, 53081), (524, 53063), (531,

53045), (539, 53027), (553, 52988), (556, 52979), (557, 52976), (558, 52973), (690, 52616), (696, 52583), (702, 52562), (729, 52469), (732, 52460), (747, 52397), (765, 52361), (766, 52358), (771, 52343), (796, 52265), (800, 52253), (806, 52232), (822, 52193), (857, 52103), (862, 52085), (864, 52079), (870, 52064), (879, 52040), (881, 52025), (882, 52022), (884, 52010), (892, 51986), (911, 51938), (922, 51914),

Gene: DirtJuice_61 Start: 54337, Stop: 52478, Start Num: 197

Candidate Starts for DirtJuice_61:

(Start: 175 @54361 has 5 MA's), (Start: 197 @54337 has 267 MA's), (Start: 231 @54313 has 5 MA's), (Start: 243 @54307 has 2 MA's), (260, 54265), (267, 54244), (316, 54130), (319, 54124), (337, 54094), (371, 54034), (381, 54013), (399, 53959), (403, 53947), (409, 53929), (413, 53917), (445, 53812), (486, 53755), (499, 53719), (502, 53707), (511, 53683), (516, 53671), (524, 53653), (531, 53635), (539, 53617), (553, 53578), (556, 53569), (557, 53566), (558, 53563), (664, 53308), (690, 53206), (696, 53173), (702, 53152), (729, 53059), (732, 53050), (747, 52987), (766, 52948), (771, 52933), (796, 52855), (800, 52843), (806, 52822), (822, 52783), (857, 52693), (862, 52675), (864, 52669), (870, 52654), (879, 52630), (881, 52615), (882, 52612), (884, 52600), (892, 52576), (911, 52528), (922, 52504),

Gene: DirtyBubble_42 Start: 30299, Stop: 32173, Start Num: 229

Candidate Starts for DirtyBubble_42:

(Start: 229 @30299 has 918 MA's), (266, 30368), (280, 30389), (404, 30635), (409, 30650), (418, 30677), (510, 30890), (516, 30905), (543, 30971), (648, 31205), (682, 31325), (683, 31328), (695, 31388), (698, 31394), (707, 31439), (716, 31469), (726, 31505), (735, 31541), (764, 31634), (793, 31727), (821, 31805), (822, 31808), (853, 31877), (857, 31901), (861, 31916), (877, 31958), (880, 31976), (898, 32036), (909, 32057),

Gene: DirtyDunning_44 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for DirtyDunning_44:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Discoknowium_37 Start: 30143, Stop: 28284, Start Num: 229

Candidate Starts for Discoknowium_37:

(Start: 229 @30143 has 918 MA's), (261, 30092), (296, 30032), (327, 29969), (341, 29939), (343, 29936), (378, 29879), (382, 29867), (394, 29837), (402, 29810), (448, 29657), (500, 29561), (516, 29513), (527, 29492), (550, 29429), (553, 29423), (586, 29351), (598, 29318), (607, 29303), (614, 29291), (664, 29192), (695, 29057), (704, 29027), (705, 29009), (714, 28991), (719, 28970), (723, 28961), (735, 28904), (745, 28865), (765, 28823), (771, 28805), (786, 28757), (802, 28706), (823, 28652), (828, 28643), (840, 28625), (857, 28565), (862, 28547), (891, 28454), (898, 28430), (903, 28418), (953, 28301), (955, 28298),

Gene: Dismas_40 Start: 29921, Stop: 31792, Start Num: 229

Candidate Starts for Dismas_40:

(Start: 229 @29921 has 918 MA's), (330, 30104), (349, 30143), (368, 30161), (397, 30233), (404, 30257), (408, 30269), (409, 30272), (437, 30353), (525, 30545), (543, 30593), (581, 30683), (648, 30824), (683, 30947), (695, 31007), (714, 31073), (716, 31088), (726, 31124), (729, 31133), (735, 31160), (764, 31253), (793, 31346), (821, 31424), (853, 31496), (861, 31535), (877, 31577), (891, 31631), (898, 31655), (909, 31676), (920, 31700),

Gene: Dixon_43 Start: 30751, Stop: 28907, Start Num: 229

Candidate Starts for Dixon_43:

(Start: 229 @30751 has 918 MA's), (261, 30700), (341, 30547), (365, 30508), (382, 30475), (394, 30445), (400, 30424), (402, 30418), (404, 30409), (432, 30316), (448, 30265), (500, 30169), (508, 30142), (514, 30124), (516, 30121), (519, 30112), (543, 30058), (553, 30031), (576, 29983), (598, 29926), (614, 29899), (640, 29848), (650, 29833), (692, 29686), (695, 29665), (704, 29635), (705, 29617), (707, 29614), (714, 29599), (719, 29578), (723, 29569), (728, 29542), (732, 29530), (735, 29512), (765, 29431), (769, 29419), (786, 29365), (798, 29329), (823, 29260), (837, 29239), (840, 29233), (854, 29194), (857, 29173), (862, 29155), (898, 29038), (903, 29026),

Gene: Doddsville_61 Start: 54283, Stop: 52424, Start Num: 197

Candidate Starts for Doddsville_61:

(Start: 175 @54307 has 5 MA's), (Start: 197 @54283 has 267 MA's), (Start: 231 @54259 has 5 MA's), (Start: 243 @54253 has 2 MA's), (260, 54211), (267, 54190), (316, 54076), (319, 54070), (337, 54040), (371, 53980), (381, 53959), (399, 53905), (403, 53893), (409, 53875), (413, 53863), (445, 53758), (486, 53701), (499, 53665), (502, 53653), (511, 53629), (516, 53617), (524, 53599), (531, 53581), (539, 53563), (553, 53524), (556, 53515), (557, 53512), (558, 53509), (690, 53152), (696, 53119), (702, 53098), (729, 53005), (732, 52996), (747, 52933), (765, 52897), (766, 52894), (771, 52879), (796, 52801), (800, 52789), (806, 52768), (822, 52729), (857, 52639), (862, 52621), (864, 52615), (870, 52600), (879, 52576), (881, 52561), (882, 52558), (884, 52546), (892, 52522), (911, 52474), (922, 52450),

Gene: DoesntMatter_58 Start: 54040, Stop: 52181, Start Num: 197

Candidate Starts for DoesntMatter_58:

(Start: 175 @54064 has 5 MA's), (Start: 197 @54040 has 267 MA's), (Start: 231 @54016 has 5 MA's), (Start: 243 @54010 has 2 MA's), (260, 53968), (267, 53947), (316, 53833), (319, 53827), (337, 53797), (371, 53737), (381, 53716), (399, 53662), (403, 53650), (409, 53632), (413, 53620), (445, 53515), (486, 53458), (499, 53422), (502, 53410), (512, 53383), (524, 53356), (531, 53338), (539, 53320), (553, 53281), (556, 53272), (557, 53269), (558, 53266), (690, 52909), (696, 52876), (702, 52855), (729, 52762), (732, 52753), (747, 52690), (765, 52654), (766, 52651), (771, 52636), (796, 52558), (800, 52546), (806, 52525), (822, 52486), (857, 52396), (862, 52378), (864, 52372), (870, 52357), (879, 52333), (881, 52318), (882, 52315), (884, 52303), (892, 52279), (911, 52231), (922, 52207),

Gene: DonSanchon_58 Start: 53730, Stop: 51871, Start Num: 197

Candidate Starts for DonSanchon_58:

(Start: 175 @53754 has 5 MA's), (Start: 197 @53730 has 267 MA's), (Start: 231 @53706 has 5 MA's), (Start: 243 @53700 has 2 MA's), (260, 53658), (267, 53637), (316, 53523), (319, 53517), (337, 53487), (371, 53427), (381, 53406), (399, 53352), (403, 53340), (409, 53322), (413, 53310), (445, 53205), (486, 53148), (499, 53112), (502, 53100), (512, 53073), (531, 53028), (553, 52971), (556, 52962), (557, 52959), (690, 52599), (696, 52566), (702, 52545), (729, 52452), (732, 52443), (747, 52380), (765, 52344), (766, 52341), (771, 52326), (796, 52248), (800, 52236), (806, 52215), (822, 52176), (857, 52086), (862, 52068), (864, 52062), (870, 52047), (879, 52023), (881, 52008), (882, 52005), (884, 51993), (892, 51969), (911, 51921), (922, 51897),

Gene: Donkey_41 Start: 27592, Stop: 29574, Start Num: 229

Candidate Starts for Donkey_41:

(Start: 229 @27592 has 918 MA's), (327, 27766), (368, 27829), (383, 27862), (408, 27937), (483, 28165), (543, 28339), (611, 28495), (669, 28633), (689, 28720), (695, 28753), (704, 28783), (719, 28840), (735, 28906), (764, 28999), (857, 29266), (864, 29290), (898, 29401), (944, 29509),

Gene: Donny_59 Start: 54516, Stop: 52690, Start Num: 189

Candidate Starts for Donny_59:

(Start: 189 @54516 has 57 MA's), (253, 54462), (286, 54402), (345, 54291), (371, 54243), (409, 54141), (420, 54111), (425, 54099), (436, 54063), (445, 54033), (499, 53940), (502, 53928), (511, 53904), (516, 53892), (524, 53874), (549, 53811), (557, 53787), (558, 53784), (603, 53682), (677, 53493), (679, 53475), (684, 53457), (691, 53427), (696, 53400), (727, 53292), (729, 53286), (732, 53277), (736, 53256), (759, 53193), (766, 53160), (771, 53145), (790, 53085), (796, 53067), (800, 53055), (806, 53034), (808, 53025), (810, 53022), (857, 52905), (864, 52881), (879, 52842), (881, 52827), (882, 52824), (888, 52800), (892, 52788), (893, 52785), (898, 52767), (912, 52737), (922, 52716), (925, 52695),

Gene: DontArgue_43 Start: 30359, Stop: 28536, Start Num: 229

Candidate Starts for DontArgue_43:

(Start: 229 @30359 has 918 MA's), (261, 30308), (378, 30095), (402, 30026), (404, 30017), (425, 29945), (432, 29924), (441, 29897), (448, 29873), (500, 29780), (512, 29741), (543, 29672), (553, 29645), (605, 29528), (635, 29474), (668, 29417), (695, 29294), (714, 29228), (728, 29171), (735, 29141), (745, 29102), (766, 29030), (771, 29015), (777, 28991), (787, 28964), (792, 28949), (802, 28916), (857, 28760), (864, 28736), (898, 28625), (903, 28613), (909, 28604),

Gene: Doobus_41 Start: 29222, Stop: 31096, Start Num: 229

Candidate Starts for Doobus_41:

(Start: 226 @29219 has 7 MA's), (Start: 229 @29222 has 918 MA's), (266, 29291), (280, 29312), (404, 29558), (418, 29600), (510, 29813), (543, 29894), (648, 30128), (683, 30251), (695, 30311), (698, 30317), (707, 30362), (714, 30377), (716, 30392), (726, 30428), (735, 30464), (764, 30557), (793, 30650), (821, 30728), (853, 30800), (861, 30839), (877, 30881), (880, 30899), (891, 30935), (898, 30959), (909, 30980),

Gene: Doom_45 Start: 35111, Stop: 33285, Start Num: 229

Candidate Starts for Doom_45:

(Start: 229 @35111 has 918 MA's), (347, 34898), (394, 34805), (400, 34784), (402, 34778), (404, 34769), (440, 34652), (448, 34625), (500, 34532), (504, 34517), (539, 34433), (540, 34430), (566, 34364), (580, 34334), (592, 34304), (614, 34259), (635, 34220), (695, 34040), (704, 34010), (705, 33992), (707, 33989), (719, 33953), (735, 33887), (765, 33806), (766, 33803), (792, 33722), (853, 33572), (854, 33569), (861, 33533), (870, 33509), (874, 33500), (878, 33488), (883, 33461), (898, 33413), (909, 33392),

Gene: Dorothea_45 Start: 29646, Stop: 27805, Start Num: 229

Candidate Starts for Dorothea_45:

(Start: 229 @29646 has 918 MA's), (341, 29442), (382, 29367), (383, 29364), (394, 29337), (398, 29322), (402, 29310), (418, 29259), (444, 29169), (448, 29157), (500, 29064), (512, 29025), (519, 29007), (528, 28992), (553, 28926), (567, 28893), (569, 28890), (615, 28788), (649, 28728), (678, 28644), (695, 28563), (718, 28479), (719, 28476), (723, 28467), (728, 28440), (735, 28410), (758, 28350), (771, 28311), (853, 28095), (854, 28092), (857, 28071), (898, 27936), (903, 27924), (909, 27915), (911, 27912), (947, 27819),

Gene: Dothraki_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Dothraki_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: DrFeelGood_43 Start: 34795, Stop: 32969, Start Num: 229

Candidate Starts for DrFeelGood_43:

(Start: 229 @34795 has 918 MA's), (347, 34582), (354, 34567), (394, 34489), (400, 34468), (402, 34462), (404, 34453), (440, 34336), (448, 34309), (451, 34300), (500, 34216), (504, 34201), (516, 34168), (539, 34117), (540, 34114), (566, 34048), (580, 34018), (592, 33988), (614, 33943), (635, 33904), (695, 33724), (704, 33694), (705, 33676), (707, 33673), (719, 33637), (735, 33571), (765, 33490), (766, 33487), (792, 33406), (853, 33256), (854, 33253), (861, 33217), (870, 33193), (874, 33184), (878, 33172), (883, 33145), (898, 33097), (909, 33076),

Gene: DrManhattan_40 Start: 27782, Stop: 29692, Start Num: 229

Candidate Starts for DrManhattan_40:

(135, 27644), (Start: 229 @27782 has 918 MA's), (260, 27830), (394, 28079), (421, 28169), (501, 28421), (504, 28430), (543, 28529), (548, 28544), (579, 28613), (611, 28682), (669, 28820), (695, 28940), (704, 28970), (712, 29003), (719, 29027), (735, 29093), (776, 29228), (786, 29258), (853, 29429), (862, 29471), (875, 29504), (898, 29588), (902, 29597), (909, 29609),

Gene: DrSierra_39 Start: 27819, Stop: 29663, Start Num: 229

Candidate Starts for DrSierra_39:

(Start: 229 @27819 has 918 MA's), (341, 28023), (364, 28050), (394, 28116), (421, 28206), (501, 28392), (504, 28401), (514, 28431), (543, 28500), (548, 28515), (611, 28653), (669, 28791), (695, 28911), (704, 28941), (719, 28998), (735, 29064), (786, 29229), (853, 29400), (898, 29559), (902, 29568), (936, 29646),

Gene: Drake55_46 Start: 31661, Stop: 29874, Start Num: 229

Candidate Starts for Drake55_46:

(Start: 229 @31661 has 918 MA's), (341, 31457), (343, 31454), (347, 31448), (365, 31418), (382, 31385), (383, 31382), (394, 31355), (402, 31328), (418, 31277), (448, 31175), (500, 31082), (516, 31034), (519, 31025), (528, 31010), (553, 30944), (588, 30863), (611, 30815), (678, 30671), (695, 30590), (707, 30539), (718, 30506), (735, 30437), (745, 30398), (758, 30377), (765, 30356), (769, 30344), (837, 30164), (840, 30158), (853, 30122), (857, 30098), (881, 30020), (898, 29963), (903, 29951),

Gene: Drake94_42 Start: 30378, Stop: 28546, Start Num: 229

Candidate Starts for Drake94_42:

(Start: 229 @30378 has 918 MA's), (261, 30327), (298, 30261), (341, 30174), (347, 30165), (378, 30114), (382, 30102), (402, 30045), (425, 29964), (429, 29952), (432, 29943), (441, 29916), (448, 29892), (500, 29799), (512, 29760), (543, 29691), (553, 29664), (614, 29532), (695, 29304), (714, 29238), (728, 29181), (735, 29151), (745, 29112), (766, 29040), (771, 29025), (777, 29001), (792, 28959), (802, 28926), (857, 28770), (864, 28746), (883, 28683), (898, 28635), (903, 28623), (909, 28614),

Gene: Dre3_38 Start: 31347, Stop: 28987, Start Num: 39

Candidate Starts for Dre3_38:

(31, 31371), (Start: 39 @31347 has 23 MA's), (46, 31332), (53, 31296), (116, 31125), (121, 31101), (Start: 276 @30864 has 5 MA's), (311, 30807), (333, 30768), (342, 30747), (379, 30681), (398, 30627), (405, 30606), (412, 30585), (472, 30387), (483, 30345), (489, 30327), (492, 30309), (506, 30264), (512, 30246), (513, 30243), (544, 30207), (612, 30114), (634, 30069), (650, 30042), (655, 30030), (659, 30018), (693, 29877), (712, 29808), (725, 29757), (732, 29733), (735, 29715), (737, 29706), (744, 29679), (746, 29673), (748, 29667), (750, 29661), (766, 29604), (773, 29580), (783, 29535), (784, 29532), (803, 29469), (844, 29361), (860, 29292), (863, 29280), (871, 29256), (887, 29181), (888, 29178), (896, 29154), (902, 29130), (910, 29109), (920, 29085), (935, 29040), (944, 29022),

Gene: DreamCatcher_47 Start: 35708, Stop: 33882, Start Num: 229

Candidate Starts for DreamCatcher_47:

(Start: 229 @35708 has 918 MA's), (347, 35495), (354, 35480), (382, 35432), (394, 35402), (400, 35381), (402, 35375), (404, 35366), (418, 35324), (440, 35249), (448, 35222), (500, 35129), (504, 35114), (516, 35081), (539, 35030), (540, 35027), (566, 34961), (580, 34931), (592, 34901), (614, 34856), (635, 34817), (695, 34637), (704, 34607), (705, 34589), (719, 34550), (735, 34484), (745, 34445), (758, 34424), (765, 34403), (771, 34385), (792, 34319), (853, 34169), (854, 34166), (861, 34130), (870, 34106), (874, 34097), (878, 34085), (898, 34010), (909, 33989),

Gene: DreamTeam1_42 Start: 30708, Stop: 28915, Start Num: 229

Candidate Starts for DreamTeam1_42:

(Start: 229 @30708 has 918 MA's), (Start: 244 @30699 has 1 MA's), (325, 30537), (327, 30534), (341, 30504), (368, 30459), (383, 30426), (394, 30399), (398, 30384), (402, 30372), (404, 30363), (418, 30321), (441, 30243), (448, 30219), (500, 30126), (507, 30102), (514, 30081), (566, 29958), (640, 29799), (642, 29796), (666, 29760), (668, 29754), (695, 29631), (714, 29565), (732, 29496), (735, 29478), (758, 29418), (765, 29397), (802, 29280), (837, 29205), (853, 29163), (881, 29061), (898, 29004), (903, 28992), (909, 28983),

Gene: Dreamboat_46 Start: 34398, Stop: 32569, Start Num: 229

Candidate Starts for Dreamboat_46:

(Start: 229 @34398 has 918 MA's), (347, 34185), (354, 34170), (382, 34122), (394, 34092), (400, 34071), (402, 34065), (404, 34056), (440, 33939), (448, 33912), (500, 33819), (504, 33804), (511, 33783), (516, 33771), (539, 33720), (540, 33717), (566, 33651), (580, 33621), (592, 33591), (614, 33546), (635, 33507), (695, 33327), (705, 33279), (723, 33231), (732, 33192), (735, 33174), (745, 33135), (758, 33114), (765, 33093), (770, 33078), (808, 32955), (875, 32784), (880, 32760), (895, 32712), (898, 32700), (909, 32679), (912, 32673), (928, 32625), (935, 32610),

Gene: DroogsArmy_41 Start: 33073, Stop: 31238, Start Num: 229

Candidate Starts for DroogsArmy_41:

(Start: 229 @33073 has 918 MA's), (296, 32962), (347, 32860), (381, 32800), (400, 32746), (402, 32740), (408, 32719), (432, 32638), (448, 32587), (497, 32506), (500, 32491), (508, 32464), (514, 32446), (517, 32443), (528, 32422), (543, 32383), (569, 32320), (596, 32254), (598, 32251), (611, 32230), (658, 32140), (668, 32119), (678, 32077), (695, 31996), (705, 31948), (723, 31900), (728, 31873), (735, 31843), (745, 31804), (765, 31735), (766, 31732), (771, 31717), (777, 31693), (792, 31651), (840, 31522), (852, 31495), (857, 31462), (862, 31444), (875, 31411), (898, 31327), (903, 31315), (909, 31306),

Gene: DropBear_45 Start: 31442, Stop: 29604, Start Num: 229

Candidate Starts for DropBear_45:

(173, 31514), (Start: 229 @31442 has 918 MA's), (261, 31391), (341, 31238), (378, 31178), (382, 31166), (402, 31109), (404, 31100), (408, 31088), (441, 30980), (448, 30956), (500, 30860), (517, 30812), (543, 30752), (569, 30689), (598, 30620), (611, 30599), (649, 30530), (652, 30524), (668, 30485), (695, 30362), (719, 30275), (728, 30239), (735, 30209), (742, 30179), (766, 30098), (777, 30059), (786, 30035), (792, 30017), (840, 29888), (857, 29828), (898, 29693), (903, 29681), (909, 29672),

Gene: Druantia_45 Start: 31573, Stop: 29747, Start Num: 229

Candidate Starts for Druantia_45:

(Start: 229 @31573 has 918 MA's), (250, 31552), (261, 31522), (273, 31492), (365, 31330), (376, 31312), (402, 31240), (404, 31231), (441, 31111), (448, 31087), (500, 30994), (517, 30946), (528, 30925), (543, 30886), (598, 30754), (611, 30733), (635, 30688), (640, 30676), (692, 30523), (695, 30502), (728, 30379), (735, 30349), (745, 30310), (765, 30244), (766, 30241), (771, 30226), (777, 30202), (786, 30178), (857, 29971), (898, 29836), (903, 29824), (909, 29815),

Gene: Dublin_37 Start: 30165, Stop: 28306, Start Num: 229

Candidate Starts for Dublin_37:

(Start: 229 @30165 has 918 MA's), (261, 30114), (296, 30054), (327, 29991), (341, 29961), (343, 29958), (378, 29901), (394, 29859), (402, 29832), (448, 29679), (500, 29583), (516, 29535), (550, 29451), (553, 29445), (586, 29373), (598, 29340), (607, 29325), (614, 29313), (664, 29214), (695, 29079), (704, 29049), (705, 29031), (707, 29028), (719, 28992), (723, 28983), (726, 28962), (729, 28953), (735, 28926), (736, 28923), (758, 28866), (765, 28845), (802, 28728), (823, 28674), (828, 28665), (840, 28647), (862, 28569), (891, 28476), (898, 28452), (903, 28440), (953, 28323), (955, 28320),

Gene: Dubu_35 Start: 27275, Stop: 29131, Start Num: 229

Candidate Starts for Dubu_35:

(Start: 229 @27275 has 918 MA's), (260, 27323), (296, 27395), (394, 27596), (423, 27692), (447, 27773), (490, 27833), (536, 27962), (543, 27983), (548, 27998), (588, 28088), (592, 28097), (611, 28136), (635, 28181), (643, 28199), (692, 28373), (695, 28394), (698, 28400), (705, 28442), (719, 28481), (721, 28484), (725, 28505), (733, 28538), (735, 28547), (750, 28601), (777, 28688), (793, 28733), (799, 28751), (802, 28763), (821, 28811), (822, 28814), (864, 28931), (883, 28994), (898, 29042), (905, 29057), (920, 29087),

Gene: DuchessDung_62 Start: 53800, Stop: 51941, Start Num: 197

Candidate Starts for DuchessDung_62:

(Start: 175 @53824 has 5 MA's), (Start: 197 @53800 has 267 MA's), (Start: 231 @53776 has 5 MA's), (Start: 243 @53770 has 2 MA's), (260, 53728), (267, 53707), (316, 53593), (319, 53587), (337, 53557), (371, 53497), (381, 53476), (399, 53422), (403, 53410), (409, 53392), (413, 53380), (445, 53275), (486, 53218), (499, 53182), (502, 53170), (512, 53143), (531, 53098), (553, 53041), (556, 53032), (557, 53029), (690, 52669), (696, 52636), (702, 52615), (729, 52522), (732, 52513), (747, 52450), (765, 52414), (766, 52411), (771, 52396), (796, 52318), (800, 52306), (806, 52285), (822, 52246), (857, 52156), (862, 52138), (864, 52132), (870, 52117), (879, 52093), (881, 52078), (882, 52075), (884, 52063), (892, 52039), (911, 51991), (922, 51967),

Gene: DudeLittle_43 Start: 31344, Stop: 29557, Start Num: 229

Candidate Starts for DudeLittle_43:

(Start: 229 @31344 has 918 MA's), (341, 31140), (343, 31137), (354, 31116), (365, 31101), (382, 31068), (383, 31065), (394, 31038), (402, 31011), (408, 30990), (448, 30858), (500, 30765), (511, 30729), (516, 30717), (519, 30708), (528, 30693), (553, 30627), (588, 30546), (611, 30498), (614, 30492), (649, 30429), (695, 30273), (707, 30222), (718, 30189), (719, 30186), (735, 30120), (745, 30081), (758, 30060), (781, 29985), (786, 29973), (828, 29859), (840, 29841), (853, 29805), (857, 29781), (881, 29703), (898, 29646), (903, 29634), (909, 29625),

Gene: Duggie_61 Start: 54284, Stop: 52425, Start Num: 197

Candidate Starts for Duggie_61:

(Start: 175 @54308 has 5 MA's), (Start: 197 @54284 has 267 MA's), (Start: 231 @54260 has 5 MA's), (Start: 243 @54254 has 2 MA's), (260, 54212), (267, 54191), (316, 54077), (319, 54071), (337, 54041), (371, 53981), (381, 53960), (399, 53906), (403, 53894), (409, 53876), (413, 53864), (445, 53759), (486, 53702), (499, 53666), (502, 53654), (511, 53630), (516, 53618), (524, 53600), (531, 53582), (539, 53564), (553, 53525), (556, 53516), (557, 53513), (558, 53510), (690, 53153), (696, 53120), (702, 53099), (729, 53006), (732, 52997), (747, 52934), (765, 52898), (766, 52895), (771, 52880), (796, 52802), (800, 52790), (806, 52769), (822, 52730), (857, 52640), (862, 52622), (864, 52616), (870, 52601), (879, 52577), (881, 52562), (882, 52559), (884, 52547), (892, 52523), (898, 52502), (911, 52475), (922, 52451), (924, 52436),

Gene: Dulcie_45 Start: 34631, Stop: 32805, Start Num: 229

Candidate Starts for Dulcie_45:

(Start: 229 @34631 has 918 MA's), (347, 34418), (354, 34403), (382, 34355), (394, 34325), (400, 34304), (402, 34298), (404, 34289), (440, 34172), (448, 34145), (500, 34052), (504, 34037), (516, 34004), (539, 33953), (540, 33950), (566, 33884), (580, 33854), (592, 33824), (614, 33779), (635, 33740), (695, 33560), (705, 33512), (719, 33473), (735, 33407), (745, 33368), (758, 33347), (765, 33326), (771, 33308), (792, 33242), (853, 33092), (854, 33089), (861, 33053), (870, 33029), (874, 33020), (878, 33008), (883, 32981), (898, 32933), (909, 32912),

Gene: DunneganBoMo_92 Start: 74359, Stop: 76077, Start Num: 280

Candidate Starts for DunneganBoMo_92:

(246, 74284), (260, 74317), (266, 74338), (271, 74347), (280, 74359), (403, 74596), (412, 74623), (415, 74629), (483, 74764), (532, 74881), (543, 74908), (545, 74914), (548, 74923), (572, 74977), (635, 75109), (644, 75130), (659, 75157), (675, 75205), (682, 75238), (692, 75277), (695, 75298), (698, 75304), (726, 75421), (744, 75505), (745, 75508), (764, 75571), (767, 75583), (777, 75619), (789, 75652), (806, 75706), (812, 75724), (849, 75808), (853, 75829), (858, 75856), (875, 75904), (877, 75910), (880, 75928), (883, 75940), (885, 75952), (886, 75955), (898, 75988), (913, 76015), (924, 76039),

Gene: Duocatuli_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for Duocatuli_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: Duplo_47 Start: 31191, Stop: 29368, Start Num: 229

Candidate Starts for Duplo_47:

(Start: 229 @31191 has 918 MA's), (341, 30987), (354, 30963), (365, 30945), (376, 30927), (382, 30912), (383, 30909), (394, 30882), (402, 30855), (418, 30804), (448, 30702), (500, 30609), (516, 30561), (519, 30552), (527, 30540), (528, 30537), (553, 30471), (580, 30411), (635, 30297), (649, 30273), (667, 30234), (695, 30108), (707, 30057), (719, 30021), (735, 29955), (745, 29916), (766, 29847), (777, 29808), (793, 29763), (802, 29733), (828, 29670), (837, 29658), (840, 29652), (857, 29592), (898, 29457), (903, 29445), (909, 29436),

Gene: Durga_63 Start: 54780, Stop: 52921, Start Num: 197

Candidate Starts for Durga_63:

(Start: 175 @54804 has 5 MA's), (Start: 197 @54780 has 267 MA's), (Start: 231 @54756 has 5 MA's), (Start: 243 @54750 has 2 MA's), (260, 54708), (267, 54687), (316, 54573), (319, 54567), (337, 54537), (371, 54477), (381, 54456), (399, 54402), (403, 54390), (409, 54372), (413, 54360), (445, 54255), (486, 54198), (499, 54162), (502, 54150), (511, 54126), (516, 54114), (524, 54096), (531, 54078), (539, 54060), (553, 54021), (556, 54012), (557, 54009), (558, 54006), (664, 53751), (690, 53649), (696, 53616), (702, 53595), (729, 53502), (732, 53493), (747, 53430), (765, 53394), (766, 53391), (771, 53376), (796, 53298), (800, 53286), (806, 53265), (822, 53226), (857, 53136), (862, 53118), (864, 53112), (870, 53097), (879, 53073), (881, 53058), (882, 53055), (884, 53043), (892, 53019), (898, 52998), (911, 52971), (922, 52947),

Gene: Dussy_46 Start: 34786, Stop: 32957, Start Num: 229

Candidate Starts for Dussy_46:

(Start: 229 @34786 has 918 MA's), (347, 34573), (354, 34558), (382, 34510), (394, 34480), (400, 34459), (402, 34453), (404, 34444), (440, 34327), (448, 34300), (500, 34207), (504, 34192), (539,

34108), (540, 34105), (566, 34039), (580, 34009), (592, 33979), (614, 33934), (635, 33895), (695, 33715), (705, 33667), (723, 33619), (732, 33580), (735, 33562), (745, 33523), (758, 33502), (765, 33481), (770, 33466), (808, 33343), (875, 33172), (880, 33148), (895, 33100), (898, 33088), (909, 33067), (912, 33061), (928, 33013), (935, 32998),

Gene: DustyMartin_48 Start: 31200, Stop: 29365, Start Num: 229

Candidate Starts for DustyMartin_48:

(Start: 229 @31200 has 918 MA's), (261, 31149), (298, 31083), (341, 30996), (354, 30972), (378, 30936), (382, 30924), (402, 30867), (404, 30858), (429, 30774), (441, 30738), (444, 30726), (448, 30714), (500, 30621), (517, 30573), (543, 30513), (596, 30384), (598, 30381), (611, 30360), (614, 30354), (668, 30246), (695, 30123), (705, 30075), (728, 30000), (735, 29970), (745, 29931), (765, 29862), (766, 29859), (777, 29820), (786, 29796), (788, 29790), (792, 29778), (831, 29670), (857, 29589), (864, 29565), (883, 29502), (898, 29454), (903, 29442), (909, 29433),

Gene: Dynamix_45 Start: 34393, Stop: 32567, Start Num: 229

Candidate Starts for Dynamix_45:

(Start: 229 @34393 has 918 MA's), (347, 34180), (382, 34117), (394, 34087), (400, 34066), (402, 34060), (404, 34051), (440, 33934), (448, 33907), (500, 33814), (504, 33799), (539, 33715), (540, 33712), (566, 33646), (580, 33616), (592, 33586), (614, 33541), (635, 33502), (695, 33322), (705, 33274), (719, 33235), (735, 33169), (745, 33130), (758, 33109), (765, 33088), (771, 33070), (792, 33004), (853, 32854), (854, 32851), (861, 32815), (874, 32782), (878, 32770), (883, 32743), (898, 32695), (909, 32674),

Gene: EZMoney23_43 Start: 31302, Stop: 29515, Start Num: 228

Candidate Starts for EZMoney23_43:

(Start: 228 @31302 has 10 MA's), (341, 31098), (343, 31095), (347, 31089), (354, 31074), (365, 31059), (382, 31026), (383, 31023), (394, 30996), (402, 30969), (408, 30948), (418, 30918), (448, 30816), (500, 30723), (516, 30675), (519, 30666), (528, 30651), (553, 30585), (588, 30504), (611, 30456), (614, 30450), (678, 30312), (695, 30231), (707, 30180), (718, 30147), (719, 30144), (735, 30078), (745, 30039), (758, 30018), (781, 29943), (802, 29880), (811, 29853), (828, 29817), (840, 29799), (853, 29763), (857, 29739), (877, 29682), (881, 29661), (898, 29604), (903, 29592), (909, 29583),

Gene: Eagle_45 Start: 31595, Stop: 29769, Start Num: 229

Candidate Starts for Eagle_45:

(Start: 229 @31595 has 918 MA's), (250, 31574), (261, 31544), (273, 31514), (365, 31352), (376, 31334), (402, 31262), (404, 31253), (441, 31133), (448, 31109), (500, 31016), (517, 30968), (528, 30947), (543, 30908), (598, 30776), (611, 30755), (635, 30710), (640, 30698), (692, 30545), (695, 30524), (728, 30401), (735, 30371), (745, 30332), (765, 30266), (766, 30263), (771, 30248), (777, 30224), (786, 30200), (857, 29993), (898, 29858), (903, 29846), (909, 29837),

Gene: EagleEye_46 Start: 30777, Stop: 28945, Start Num: 229

Candidate Starts for EagleEye_46:

(Start: 229 @30777 has 918 MA's), (341, 30573), (343, 30570), (382, 30501), (383, 30498), (394, 30471), (400, 30450), (402, 30444), (404, 30435), (418, 30393), (441, 30315), (448, 30291), (500, 30198), (566, 30030), (666, 29832), (695, 29703), (723, 29607), (732, 29568), (735, 29550), (763, 29478), (765, 29469), (808, 29331), (852, 29244), (853, 29235), (881, 29133), (898, 29076), (903, 29064), (947, 28959),

Gene: Eaglehorse_57 Start: 52538, Stop: 50709, Start Num: 189

Candidate Starts for Eaglehorse_57:

(Start: 189 @52538 has 57 MA's), (Start: 243 @52511 has 2 MA's), (254, 52481), (260, 52469), (271, 52442), (273, 52439), (278, 52430), (298, 52412), (343, 52316), (371, 52265), (382, 52241), (434,

52079), (442, 52055), (445, 52043), (486, 51986), (499, 51950), (502, 51938), (511, 51914), (546, 51830), (556, 51800), (557, 51797), (570, 51767), (633, 51623), (659, 51557), (673, 51518), (676, 51506), (679, 51485), (684, 51467), (696, 51410), (723, 51326), (729, 51296), (732, 51287), (747, 51221), (763, 51194), (765, 51185), (771, 51167), (777, 51143), (796, 51089), (800, 51077), (806, 51056), (840, 50987), (857, 50927), (862, 50909), (875, 50876), (879, 50864), (881, 50849), (882, 50846), (884, 50834), (892, 50810), (893, 50807), (911, 50759), (912, 50756), (922, 50735), (925, 50714),

Gene: Eaglepride_45 Start: 31205, Stop: 29382, Start Num: 229

Candidate Starts for Eaglepride_45:

(Start: 229 @31205 has 918 MA's), (261, 31154), (273, 31124), (365, 30962), (376, 30944), (382, 30929), (402, 30872), (404, 30863), (425, 30791), (432, 30770), (441, 30743), (448, 30719), (500, 30626), (512, 30587), (517, 30578), (543, 30518), (553, 30491), (592, 30404), (614, 30359), (635, 30320), (668, 30263), (678, 30221), (695, 30140), (714, 30074), (728, 30017), (732, 30005), (735, 29987), (745, 29948), (766, 29876), (771, 29861), (777, 29837), (792, 29795), (840, 29666), (857, 29606), (861, 29591), (864, 29582), (898, 29471), (903, 29459), (909, 29450),

Gene: Eapen_45 Start: 31565, Stop: 29739, Start Num: 229

Candidate Starts for Eapen_45:

(Start: 229 @31565 has 918 MA's), (250, 31544), (261, 31514), (273, 31484), (365, 31322), (376, 31304), (402, 31232), (404, 31223), (441, 31103), (448, 31079), (500, 30986), (517, 30938), (528, 30917), (543, 30878), (598, 30746), (611, 30725), (635, 30680), (640, 30668), (692, 30515), (695, 30494), (728, 30371), (735, 30341), (745, 30302), (765, 30236), (766, 30233), (771, 30218), (777, 30194), (786, 30170), (857, 29963), (898, 29828), (903, 29816), (909, 29807),

Gene: EastView9101_57 Start: 54337, Stop: 52511, Start Num: 189

Candidate Starts for EastView9101_57:

(112, 54496), (144, 54415), (Start: 189 @54337 has 57 MA's), (253, 54283), (286, 54223), (345, 54112), (371, 54064), (409, 53962), (425, 53920), (436, 53884), (445, 53854), (499, 53761), (502, 53749), (511, 53725), (516, 53713), (524, 53695), (549, 53632), (557, 53608), (603, 53503), (677, 53314), (679, 53296), (691, 53248), (696, 53221), (727, 53113), (729, 53107), (732, 53098), (736, 53077), (759, 53014), (766, 52981), (771, 52966), (790, 52906), (796, 52888), (800, 52876), (806, 52855), (808, 52846), (810, 52843), (857, 52726), (864, 52702), (879, 52663), (881, 52648), (882, 52645), (888, 52621), (892, 52609), (893, 52606), (912, 52558), (922, 52537), (925, 52516),

Gene: Ebony_45 Start: 30738, Stop: 28951, Start Num: 229

Candidate Starts for Ebony_45:

(Start: 229 @30738 has 918 MA's), (341, 30534), (382, 30462), (394, 30432), (402, 30405), (501, 30153), (519, 30102), (553, 30021), (575, 29976), (611, 29892), (640, 29835), (667, 29793), (678, 29748), (695, 29667), (707, 29616), (719, 29580), (735, 29514), (758, 29454), (763, 29442), (795, 29340), (802, 29316), (807, 29298), (840, 29235), (852, 29208), (853, 29199), (857, 29175), (898, 29040), (903, 29028), (909, 29019),

Gene: Echild_44 Start: 30778, Stop: 28991, Start Num: 229

Candidate Starts for Echild_44:

(Start: 229 @30778 has 918 MA's), (343, 30571), (347, 30565), (365, 30535), (382, 30502), (383, 30499), (394, 30472), (402, 30445), (408, 30424), (448, 30292), (500, 30199), (516, 30151), (519, 30142), (528, 30127), (553, 30061), (588, 29980), (611, 29932), (614, 29926), (649, 29863), (678, 29788), (695, 29707), (707, 29656), (718, 29623), (719, 29620), (735, 29554), (745, 29515), (758, 29494), (781, 29419), (788, 29401), (792, 29389), (802, 29356), (811, 29329), (828, 29293), (853, 29239), (857, 29215), (877, 29158), (881, 29137), (898, 29080), (903, 29068), (909, 29059),

Gene: Eden_40 Start: 28150, Stop: 30027, Start Num: 229

Candidate Starts for Eden_40:

(Start: 229 @28150 has 918 MA's), (266, 28219), (341, 28357), (397, 28462), (408, 28498), (409, 28501), (440, 28591), (501, 28714), (543, 28822), (548, 28837), (560, 28867), (663, 29131), (668, 29146), (683, 29209), (695, 29269), (714, 29335), (729, 29398), (735, 29425), (764, 29518), (786, 29590), (821, 29689), (822, 29692), (823, 29695), (857, 29785), (877, 29842), (898, 29920), (909, 29941), (937, 30010),

Gene: Edison31_43 Start: 31140, Stop: 29305, Start Num: 229

Candidate Starts for Edison31_43:

(Start: 229 @31140 has 918 MA's), (261, 31089), (298, 31023), (341, 30936), (354, 30912), (365, 30897), (378, 30876), (382, 30864), (402, 30807), (404, 30798), (429, 30714), (441, 30678), (444, 30666), (448, 30654), (500, 30561), (517, 30513), (543, 30453), (553, 30426), (596, 30324), (598, 30321), (611, 30300), (614, 30294), (668, 30186), (695, 30063), (705, 30015), (728, 29940), (735, 29910), (745, 29871), (765, 29802), (766, 29799), (777, 29760), (786, 29736), (788, 29730), (792, 29718), (857, 29529), (864, 29505), (883, 29442), (898, 29394), (903, 29382), (909, 29373),

Gene: EdogawaKiddo_43 Start: 31490, Stop: 29697, Start Num: 229

Candidate Starts for EdogawaKiddo_43:

(Start: 229 @31490 has 918 MA's), (Start: 244 @31481 has 1 MA's), (261, 31439), (325, 31319), (327, 31316), (350, 31268), (383, 31208), (395, 31178), (398, 31166), (402, 31154), (448, 31001), (500, 30908), (553, 30770), (566, 30740), (640, 30581), (649, 30569), (666, 30542), (692, 30434), (695, 30413), (732, 30278), (735, 30260), (765, 30179), (777, 30137), (802, 30062), (837, 29987), (853, 29945), (881, 29843), (898, 29786), (903, 29774), (909, 29765),

Gene: Edtherson_45 Start: 35275, Stop: 33449, Start Num: 229

Candidate Starts for Edtherson_45:

(Start: 229 @35275 has 918 MA's), (347, 35062), (354, 35047), (382, 34999), (394, 34969), (400, 34948), (402, 34942), (404, 34933), (440, 34816), (448, 34789), (500, 34696), (504, 34681), (539, 34597), (540, 34594), (566, 34528), (580, 34498), (592, 34468), (614, 34423), (635, 34384), (695, 34204), (704, 34174), (705, 34156), (719, 34117), (735, 34051), (765, 33970), (766, 33967), (792, 33886), (853, 33736), (854, 33733), (861, 33697), (870, 33673), (874, 33664), (878, 33652), (898, 33577), (909, 33556),

Gene: Eidsmoe_45 Start: 31547, Stop: 29754, Start Num: 229

Candidate Starts for Eidsmoe_45:

(Start: 229 @31547 has 918 MA's), (Start: 244 @31538 has 1 MA's), (261, 31496), (325, 31376), (327, 31373), (350, 31325), (383, 31265), (395, 31235), (398, 31223), (402, 31211), (448, 31058), (500, 30965), (553, 30827), (566, 30797), (640, 30638), (649, 30626), (666, 30599), (692, 30491), (695, 30470), (732, 30335), (735, 30317), (765, 30236), (777, 30194), (802, 30119), (837, 30044), (853, 30002), (881, 29900), (898, 29843), (903, 29831), (909, 29822),

Gene: EITiger69_39 Start: 30184, Stop: 28286, Start Num: 195

Candidate Starts for EITiger69_39:

(Start: 195 @30184 has 2 MA's), (Start: 229 @30151 has 918 MA's), (296, 30040), (341, 29947), (343, 29944), (382, 29875), (383, 29872), (394, 29845), (402, 29818), (404, 29809), (429, 29725), (437, 29701), (448, 29665), (489, 29605), (500, 29569), (514, 29524), (516, 29521), (527, 29500), (528, 29497), (550, 29437), (586, 29359), (607, 29311), (614, 29299), (639, 29251), (664, 29200), (695, 29065), (705, 29017), (714, 28999), (719, 28978), (723, 28969), (729, 28939), (735, 28912), (736, 28909), (765, 28831), (771, 28813), (786, 28765), (802, 28714), (823, 28660), (828, 28651), (840, 28633), (862, 28555), (864, 28549), (891, 28462), (898, 28438), (903, 28426), (947, 28321),

Gene: Elephantoon_44 Start: 30830, Stop: 29037, Start Num: 229

Candidate Starts for Elephantoon_44:

(Start: 229 @30830 has 918 MA's), (Start: 244 @30821 has 1 MA's), (261, 30779), (311, 30692), (325, 30659), (327, 30656), (341, 30626), (350, 30608), (383, 30548), (394, 30521), (398, 30506), (402, 30494), (447, 30344), (448, 30341), (451, 30332), (497, 30263), (500, 30248), (566, 30080), (640, 29921), (649, 29909), (666, 29882), (692, 29774), (695, 29753), (728, 29630), (735, 29600), (745, 29561), (763, 29528), (765, 29519), (802, 29402), (808, 29381), (837, 29327), (853, 29285), (857, 29261), (881, 29183), (898, 29126), (903, 29114), (909, 29105),

Gene: Eleri_38 Start: 28732, Stop: 26867, Start Num: 270

Candidate Starts for Eleri_38:

(Start: 270 @28732 has 147 MA's), (296, 28687), (321, 28633), (357, 28573), (384, 28522), (412, 28444), (415, 28438), (429, 28393), (430, 28390), (431, 28387), (443, 28348), (463, 28288), (493, 28165), (498, 28156), (500, 28144), (503, 28132), (509, 28114), (516, 28093), (521, 28081), (530, 28057), (610, 27910), (676, 27742), (723, 27577), (731, 27541), (735, 27520), (746, 27478), (773, 27391), (783, 27346), (816, 27247), (834, 27202), (836, 27193), (854, 27133), (858, 27109), (869, 27076), (896, 26965),

Gene: Elezi_39 Start: 30351, Stop: 32216, Start Num: 229

Candidate Starts for Elezi_39:

(Start: 229 @30351 has 918 MA's), (260, 30399), (364, 30582), (368, 30588), (394, 30648), (400, 30669), (421, 30738), (504, 30954), (540, 31044), (543, 31053), (548, 31068), (567, 31113), (611, 31206), (669, 31344), (695, 31464), (704, 31494), (719, 31551), (733, 31608), (735, 31617), (741, 31641), (764, 31710), (786, 31782), (789, 31791), (825, 31890), (853, 31953), (898, 32112), (902, 32121),

Gene: Elinal_48 Start: 34208, Stop: 31833, Start Num: 41

Candidate Starts for Elinal_48:

(Start: 41 @34208 has 13 MA's), (58, 34148), (71, 34106), (83, 34067), (121, 33947), (132, 33926), (156, 33902), (205, 33824), (210, 33818), (211, 33815), (Start: 243 @33785 has 2 MA's), (251, 33767), (258, 33749), (274, 33710), (Start: 276 @33707 has 5 MA's), (311, 33650), (320, 33626), (333, 33611), (366, 33548), (379, 33524), (382, 33515), (384, 33509), (386, 33503), (398, 33470), (405, 33449), (412, 33428), (469, 33245), (489, 33170), (500, 33128), (586, 33017), (594, 32993), (609, 32963), (634, 32912), (635, 32909), (642, 32894), (654, 32873), (699, 32699), (701, 32690), (707, 32660), (735, 32555), (744, 32519), (746, 32513), (748, 32507), (750, 32501), (766, 32444), (773, 32420), (801, 32315), (802, 32312), (838, 32219), (844, 32201), (854, 32162), (863, 32120), (871, 32096), (879, 32066), (888, 32018), (896, 31994), (910, 31949), (945, 31862),

Gene: Elliott_43 Start: 32440, Stop: 30047, Start Num: 32

Candidate Starts for Elliott_43:

(Start: 32 @32440 has 16 MA's), (42, 32434), (Start: 55 @32386 has 1 MA's), (66, 32344), (76, 32320), (116, 32194), (121, 32170), (156, 32125), (186, 32074), (198, 32059), (211, 32038), (251, 31990), (263, 31957), (266, 31948), (311, 31873), (315, 31861), (352, 31792), (368, 31765), (371, 31759), (379, 31744), (398, 31690), (399, 31687), (405, 31669), (412, 31648), (432, 31588), (469, 31465), (470, 31459), (489, 31390), (500, 31348), (547, 31261), (570, 31237), (586, 31231), (594, 31207), (599, 31198), (606, 31183), (612, 31171), (633, 31129), (634, 31126), (635, 31123), (685, 30976), (693, 30934), (701, 30907), (702, 30901), (735, 30772), (744, 30736), (746, 30730), (748, 30724), (750, 30718), (766, 30661), (773, 30637), (783, 30592), (895, 30214), (896, 30211), (910, 30166), (914, 30157), (935, 30097),

Gene: Elva_44 Start: 30530, Stop: 32404, Start Num: 229

Candidate Starts for Elva_44:

(Start: 226 @30527 has 7 MA's), (Start: 229 @30530 has 918 MA's), (266, 30599), (280, 30620), (382, 30800), (404, 30866), (418, 30908), (509, 31118), (516, 31136), (543, 31202), (580, 31289), (648, 31436), (682, 31556), (683, 31559), (695, 31619), (698, 31625), (707, 31670), (714, 31685), (716,

31700), (726, 31736), (735, 31772), (764, 31865), (793, 31958), (821, 32036), (822, 32039), (837, 32066), (853, 32108), (861, 32147), (863, 32153), (877, 32189), (880, 32207), (891, 32243), (898, 32267), (909, 32288),

Gene: Emalyn_42 Start: 31612, Stop: 29225, Start Num: 39

Candidate Starts for Emalyn_42:

(9, 31759), (11, 31717), (16, 31684), (19, 31669), (Start: 39 @31612 has 23 MA's), (44, 31603), (46, 31597), (66, 31516), (97, 31420), (106, 31396), (116, 31369), (121, 31345), (211, 31213), (241, 31186), (248, 31171), (266, 31123), (283, 31093), (311, 31048), (315, 31036), (352, 30970), (379, 30922), (398, 30868), (405, 30847), (412, 30826), (417, 30811), (432, 30766), (469, 30643), (484, 30583), (489, 30568), (500, 30526), (547, 30439), (570, 30415), (586, 30409), (594, 30385), (599, 30376), (633, 30307), (634, 30304), (635, 30301), (674, 30205), (685, 30154), (701, 30085), (702, 30079), (735, 29950), (744, 29914), (746, 29908), (748, 29902), (750, 29896), (766, 29839), (773, 29815), (783, 29770), (801, 29710), (854, 29557), (862, 29518), (863, 29515), (896, 29389), (910, 29344), (914, 29335),

Gene: EmiRose_34 Start: 30392, Stop: 28503, Start Num: 190

Candidate Starts for EmiRose_34:

(Start: 190 @30392 has 1 MA's), (267, 30284), (Start: 269 @30281 has 4 MA's), (271, 30278), (300, 30221), (345, 30110), (395, 30005), (405, 29975), (415, 29948), (418, 29939), (439, 29870), (445, 29849), (486, 29792), (499, 29756), (502, 29744), (511, 29720), (522, 29693), (531, 29669), (557, 29612), (621, 29477), (633, 29435), (641, 29417), (656, 29378), (674, 29324), (688, 29264), (696, 29219), (699, 29213), (714, 29162), (747, 29027), (766, 28988), (767, 28985), (771, 28973), (796, 28895), (800, 28883), (823, 28820), (857, 28718), (879, 28655), (888, 28613), (892, 28601), (904, 28571), (912, 28550), (925, 28508),

Gene: Emiris_63 Start: 54747, Stop: 52888, Start Num: 197

Candidate Starts for Emiris_63:

(Start: 175 @54771 has 5 MA's), (Start: 197 @54747 has 267 MA's), (Start: 231 @54723 has 5 MA's), (Start: 243 @54717 has 2 MA's), (260, 54675), (267, 54654), (316, 54540), (319, 54534), (337, 54504), (371, 54444), (381, 54423), (399, 54369), (403, 54357), (409, 54339), (413, 54327), (445, 54222), (486, 54165), (499, 54129), (502, 54117), (512, 54090), (524, 54063), (531, 54045), (539, 54027), (553, 53988), (556, 53979), (557, 53976), (664, 53718), (690, 53616), (696, 53583), (702, 53562), (729, 53469), (732, 53460), (747, 53397), (765, 53361), (766, 53358), (771, 53343), (796, 53265), (800, 53253), (806, 53232), (822, 53193), (857, 53103), (862, 53085), (864, 53079), (870, 53064), (879, 53040), (881, 53025), (882, 53022), (884, 53010), (892, 52986), (911, 52938), (922, 52914),

Gene: Emotion_46 Start: 31321, Stop: 33183, Start Num: 229

Candidate Starts for Emotion_46:

(167, 31249), (Start: 229 @31321 has 918 MA's), (383, 31591), (543, 32020), (607, 32167), (611, 32173), (669, 32311), (695, 32431), (707, 32482), (726, 32548), (764, 32677), (766, 32686), (771, 32701), (799, 32788), (823, 32854), (825, 32857), (881, 33022), (898, 33079),

Gene: EmpTee_60 Start: 54256, Stop: 52397, Start Num: 197

Candidate Starts for EmpTee_60:

(Start: 175 @54280 has 5 MA's), (Start: 197 @54256 has 267 MA's), (Start: 231 @54232 has 5 MA's), (Start: 243 @54226 has 2 MA's), (260, 54184), (267, 54163), (316, 54049), (319, 54043), (337, 54013), (371, 53953), (381, 53932), (399, 53878), (403, 53866), (409, 53848), (413, 53836), (445, 53731), (486, 53674), (499, 53638), (502, 53626), (511, 53602), (516, 53590), (524, 53572), (531, 53554), (539, 53536), (553, 53497), (556, 53488), (557, 53485), (558, 53482), (690, 53125), (696, 53092), (702, 53071), (729, 52978), (732, 52969), (747, 52906), (765, 52870), (766, 52867), (771, 52852), (796, 52774), (800, 52762), (806, 52741), (822, 52702), (857, 52612), (862, 52594), (864,

52588), (870, 52573), (879, 52549), (881, 52534), (882, 52531), (884, 52519), (892, 52495), (911, 52447), (922, 52423),

Gene: EmyBug_44 Start: 31549, Stop: 29756, Start Num: 229

Candidate Starts for EmyBug_44:

(Start: 229 @31549 has 918 MA's), (Start: 244 @31540 has 1 MA's), (261, 31498), (325, 31378), (327, 31375), (350, 31327), (383, 31267), (395, 31237), (398, 31225), (402, 31213), (448, 31060), (500, 30967), (553, 30829), (566, 30799), (640, 30640), (649, 30628), (666, 30601), (692, 30493), (695, 30472), (732, 30337), (735, 30319), (765, 30238), (777, 30196), (802, 30121), (837, 30046), (853, 30004), (881, 29902), (898, 29845), (903, 29833), (909, 29824),

Gene: Endor_39 Start: 29287, Stop: 27419, Start Num: 270

Candidate Starts for Endor_39:

(214, 29374), (Start: 270 @29287 has 147 MA's), (Start: 276 @29278 has 5 MA's), (407, 29014), (408, 29011), (412, 28999), (415, 28993), (471, 28807), (493, 28720), (498, 28711), (500, 28699), (508, 28672), (509, 28669), (514, 28654), (516, 28648), (521, 28636), (670, 28318), (728, 28105), (731, 28096), (735, 28075), (746, 28033), (773, 27943), (820, 27784), (834, 27754), (854, 27685), (858, 27661), (870, 27622), (879, 27589), (880, 27577),

Gene: Epah_52 Start: 52983, Stop: 51160, Start Num: 189

Candidate Starts for Epah_52:

(Start: 175 @53001 has 5 MA's), (Start: 189 @52983 has 57 MA's), (Start: 243 @52959 has 2 MA's), (253, 52932), (260, 52917), (267, 52896), (308, 52809), (368, 52704), (386, 52662), (409, 52596), (420, 52566), (422, 52557), (425, 52554), (426, 52551), (434, 52524), (486, 52431), (493, 52413), (499, 52395), (502, 52383), (508, 52368), (512, 52356), (556, 52245), (557, 52242), (570, 52212), (586, 52176), (676, 51951), (677, 51948), (684, 51912), (690, 51888), (696, 51855), (727, 51747), (729, 51741), (731, 51735), (732, 51732), (765, 51633), (766, 51630), (771, 51615), (796, 51537), (800, 51525), (806, 51504), (808, 51495), (822, 51465), (837, 51441), (852, 51408), (857, 51375), (862, 51357), (864, 51351), (879, 51312), (882, 51294), (884, 51282), (892, 51258), (908, 51216), (911, 51210), (922, 51186),

Gene: EpicPhail_49 Start: 31856, Stop: 30042, Start Num: 229

Candidate Starts for EpicPhail_49:

(Start: 229 @31856 has 918 MA's), (255, 31817), (261, 31805), (341, 31652), (349, 31637), (382, 31580), (402, 31523), (404, 31514), (418, 31472), (432, 31421), (448, 31370), (500, 31277), (516, 31229), (519, 31220), (528, 31205), (543, 31166), (553, 31139), (566, 31109), (607, 31016), (639, 30956), (649, 30941), (695, 30785), (719, 30698), (735, 30632), (745, 30593), (766, 30521), (777, 30482), (786, 30458), (792, 30440), (802, 30407), (811, 30380), (840, 30326), (857, 30266), (881, 30188), (898, 30131), (903, 30119), (909, 30110),

Gene: Epsocamisio_46 Start: 29741, Stop: 27951, Start Num: 229

Candidate Starts for Epsocamisio_46:

(Start: 229 @29741 has 918 MA's), (327, 29567), (382, 29462), (383, 29459), (394, 29432), (402, 29405), (418, 29354), (448, 29252), (500, 29159), (514, 29114), (516, 29111), (519, 29102), (588, 28940), (598, 28913), (611, 28892), (614, 28886), (669, 28787), (678, 28748), (690, 28697), (695, 28667), (707, 28616), (718, 28583), (726, 28550), (728, 28544), (735, 28514), (758, 28454), (765, 28433), (777, 28391), (787, 28364), (792, 28349), (823, 28262), (853, 28199), (854, 28196), (898, 28040), (903, 28028), (911, 28016),

Gene: Equemioh13_45 Start: 31601, Stop: 29814, Start Num: 229

Candidate Starts for Equemioh13_45:

(Start: 229 @31601 has 918 MA's), (341, 31397), (343, 31394), (347, 31388), (365, 31358), (382, 31325), (383, 31322), (394, 31295), (402, 31268), (418, 31217), (448, 31115), (500, 31022), (516,

30974), (519, 30965), (528, 30950), (553, 30884), (588, 30803), (611, 30755), (678, 30611), (695, 30530), (707, 30479), (718, 30446), (735, 30377), (745, 30338), (758, 30317), (765, 30296), (769, 30284), (837, 30104), (840, 30098), (853, 30062), (857, 30038), (881, 29960), (898, 29903), (903, 29891),

Gene: Eraser_39 Start: 30361, Stop: 32226, Start Num: 229

Candidate Starts for Eraser_39:

(Start: 229 @30361 has 918 MA's), (260, 30409), (364, 30592), (368, 30598), (394, 30658), (400, 30679), (421, 30748), (504, 30964), (540, 31054), (543, 31063), (548, 31078), (567, 31123), (611, 31216), (669, 31354), (695, 31474), (704, 31504), (719, 31561), (733, 31618), (735, 31627), (741, 31651), (764, 31720), (786, 31792), (789, 31801), (825, 31900), (853, 31963), (898, 32122), (902, 32131),

Gene: Eremos_60 Start: 54246, Stop: 52387, Start Num: 197

Candidate Starts for Eremos_60:

(Start: 175 @54270 has 5 MA's), (Start: 197 @54246 has 267 MA's), (Start: 231 @54222 has 5 MA's), (Start: 243 @54216 has 2 MA's), (260, 54174), (267, 54153), (316, 54039), (319, 54033), (337, 54003), (371, 53943), (381, 53922), (399, 53868), (403, 53856), (409, 53838), (413, 53826), (445, 53721), (486, 53664), (499, 53628), (502, 53616), (511, 53592), (516, 53580), (524, 53562), (531, 53544), (539, 53526), (553, 53487), (556, 53478), (557, 53475), (558, 53472), (690, 53115), (696, 53082), (702, 53061), (729, 52968), (732, 52959), (747, 52896), (765, 52860), (766, 52857), (771, 52842), (796, 52764), (800, 52752), (806, 52731), (822, 52692), (857, 52602), (862, 52584), (864, 52578), (870, 52563), (879, 52539), (881, 52524), (882, 52521), (884, 52509), (892, 52485), (911, 52437), (922, 52413),

Gene: EricB_45 Start: 29620, Stop: 27779, Start Num: 229

Candidate Starts for EricB_45:

(Start: 229 @29620 has 918 MA's), (341, 29416), (382, 29341), (383, 29338), (394, 29311), (398, 29296), (402, 29284), (418, 29233), (444, 29143), (448, 29131), (500, 29038), (512, 28999), (519, 28981), (528, 28966), (553, 28900), (567, 28867), (569, 28864), (615, 28762), (649, 28702), (678, 28618), (695, 28537), (718, 28453), (719, 28450), (723, 28441), (728, 28414), (735, 28384), (758, 28324), (771, 28285), (853, 28069), (854, 28066), (857, 28045), (898, 27910), (903, 27898), (909, 27889), (911, 27886), (947, 27793),

Gene: Erik_36 Start: 28111, Stop: 26327, Start Num: 229

Candidate Starts for Erik_36:

(Start: 229 @28111 has 918 MA's), (361, 27877), (378, 27847), (381, 27838), (382, 27835), (398, 27790), (402, 27778), (418, 27727), (448, 27625), (477, 27604), (500, 27532), (514, 27487), (516, 27484), (536, 27442), (538, 27436), (543, 27421), (553, 27394), (598, 27289), (603, 27280), (614, 27262), (635, 27223), (668, 27166), (695, 27043), (705, 26995), (735, 26890), (736, 26887), (758, 26830), (765, 26809), (779, 26761), (804, 26686), (837, 26617), (853, 26575), (857, 26551), (881, 26473), (898, 26416), (903, 26404), (909, 26395), (923, 26365), (925, 26347),

Gene: Eris_44 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Eris_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (560, 30838), (564, 30832), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Erla_38 Start: 28612, Stop: 26747, Start Num: 270

Candidate Starts for Erla_38:

(Start: 216 @28699 has 3 MA's), (Start: 270 @28612 has 147 MA's), (Start: 276 @28603 has 5 MA's), (333, 28498), (336, 28489), (353, 28459), (355, 28456), (408, 28336), (412, 28324), (415, 28318), (449, 28213), (456, 28186), (493, 28045), (497, 28039), (498, 28036), (500, 28024), (508, 27997), (509, 27994), (514, 27979), (516, 27973), (518, 27967), (531, 27934), (602, 27805), (629, 27745), (728, 27430), (731, 27421), (732, 27418), (735, 27400), (746, 27358), (748, 27352), (756, 27328), (773, 27271), (820, 27112), (834, 27082), (836, 27073), (854, 27013), (858, 26989), (870, 26950), (879, 26917), (880, 26905), (896, 26845),

Gene: Eros_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Eros_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Espica_36 Start: 28114, Stop: 26330, Start Num: 229

Candidate Starts for Espica_36:

(Start: 229 @28114 has 918 MA's), (361, 27880), (378, 27850), (381, 27841), (382, 27838), (398, 27793), (402, 27781), (418, 27730), (448, 27628), (477, 27607), (500, 27535), (514, 27490), (516, 27487), (536, 27445), (538, 27439), (543, 27424), (553, 27397), (598, 27292), (603, 27283), (614, 27265), (635, 27226), (668, 27169), (695, 27046), (705, 26998), (735, 26893), (736, 26890), (758, 26833), (765, 26812), (779, 26764), (804, 26689), (837, 26620), (853, 26578), (857, 26554), (881, 26476), (898, 26419), (903, 26407), (909, 26398), (923, 26368), (925, 26350),

Gene: Espinosa_38 Start: 28630, Stop: 26765, Start Num: 270

Candidate Starts for Espinosa_38:

(Start: 216 @28717 has 3 MA's), (219, 28714), (Start: 270 @28630 has 147 MA's), (Start: 276 @28621 has 5 MA's), (333, 28516), (336, 28507), (353, 28477), (355, 28474), (408, 28354), (412, 28342), (415, 28336), (449, 28231), (456, 28204), (493, 28063), (497, 28057), (498, 28054), (500, 28042), (508, 28015), (509, 28012), (514, 27997), (516, 27991), (518, 27985), (531, 27952), (602, 27823), (629, 27763), (728, 27448), (731, 27439), (732, 27436), (735, 27418), (746, 27376), (748, 27370), (751, 27361), (756, 27346), (773, 27289), (820, 27130), (834, 27100), (836, 27091), (854, 27031), (858, 27007), (870, 26968), (879, 26935), (880, 26923), (896, 26863),

Gene: Espresso_44 Start: 34640, Stop: 32814, Start Num: 229

Candidate Starts for Espresso_44:

(Start: 229 @34640 has 918 MA's), (347, 34427), (382, 34364), (394, 34334), (400, 34313), (402, 34307), (404, 34298), (440, 34181), (448, 34154), (500, 34061), (504, 34046), (539, 33962), (540, 33959), (566, 33893), (580, 33863), (592, 33833), (614, 33788), (635, 33749), (695, 33569), (704, 33539), (705, 33521), (707, 33518), (719, 33482), (735, 33416), (765, 33335), (766, 33332), (792, 33251), (853, 33101), (854, 33098), (861, 33062), (870, 33038), (874, 33029), (878, 33017), (898, 32942), (909, 32921),

Gene: Et2Brutus_44 Start: 30698, Stop: 28911, Start Num: 229

Candidate Starts for Et2Brutus_44:

(Start: 229 @30698 has 918 MA's), (341, 30494), (382, 30422), (394, 30392), (402, 30365), (501, 30113), (519, 30062), (553, 29981), (575, 29936), (576, 29933), (611, 29852), (640, 29795), (667, 29753), (678, 29708), (695, 29627), (707, 29576), (719, 29540), (735, 29474), (758, 29414), (763, 29402), (795, 29300), (802, 29276), (807, 29258), (840, 29195), (852, 29168), (853, 29159), (857, 29135), (898, 29000), (903, 28988), (909, 28979),

Gene: Etaye_62 Start: 55077, Stop: 53218, Start Num: 197

Candidate Starts for Etaye_62:

(Start: 175 @55101 has 5 MA's), (Start: 197 @55077 has 267 MA's), (Start: 231 @55053 has 5 MA's), (Start: 243 @55047 has 2 MA's), (260, 55005), (267, 54984), (316, 54870), (319, 54864), (337, 54834), (371, 54774), (381, 54753), (399, 54699), (403, 54687), (409, 54669), (413, 54657), (445, 54552), (486, 54495), (499, 54459), (502, 54447), (511, 54423), (516, 54411), (524, 54393), (531, 54375), (539, 54357), (553, 54318), (556, 54309), (557, 54306), (558, 54303), (690, 53946), (696, 53913), (702, 53892), (729, 53799), (732, 53790), (747, 53727), (765, 53691), (766, 53688), (771, 53673), (796, 53595), (800, 53583), (806, 53562), (822, 53523), (857, 53433), (862, 53415), (864, 53409), (870, 53394), (879, 53370), (881, 53355), (882, 53352), (884, 53340), (892, 53316), (911, 53268), (922, 53244),

Gene: Etna_38 Start: 29066, Stop: 27201, Start Num: 270

Candidate Starts for Etna_38:

(Start: 270 @29066 has 147 MA's), (Start: 276 @29057 has 5 MA's), (407, 28793), (412, 28778), (415, 28772), (456, 28640), (471, 28586), (474, 28574), (493, 28499), (498, 28490), (500, 28478), (508, 28451), (509, 28448), (514, 28433), (516, 28427), (521, 28415), (547, 28346), (670, 28097), (728, 27884), (731, 27875), (732, 27872), (735, 27854), (746, 27812), (773, 27725), (820, 27566), (834, 27536), (854, 27467), (858, 27443), (870, 27404), (879, 27371), (880, 27359),

Gene: Etta_38 Start: 28616, Stop: 26751, Start Num: 270

Candidate Starts for Etta_38:

(Start: 216 @28703 has 3 MA's), (Start: 270 @28616 has 147 MA's), (Start: 276 @28607 has 5 MA's), (333, 28502), (336, 28493), (353, 28463), (355, 28460), (408, 28340), (412, 28328), (415, 28322), (449, 28217), (456, 28190), (493, 28049), (497, 28043), (498, 28040), (500, 28028), (508, 28001), (509, 27998), (514, 27983), (516, 27977), (518, 27971), (531, 27938), (602, 27809), (629, 27749), (728, 27434), (731, 27425), (732, 27422), (735, 27404), (746, 27362), (748, 27356), (756, 27332), (773, 27275), (820, 27116), (834, 27086), (836, 27077), (854, 27017), (858, 26993), (870, 26954), (879, 26921), (880, 26909), (896, 26849),

Gene: Eugenia_60 Start: 54399, Stop: 52540, Start Num: 197

Candidate Starts for Eugenia_60:

(Start: 175 @54423 has 5 MA's), (Start: 197 @54399 has 267 MA's), (Start: 231 @54375 has 5 MA's), (Start: 243 @54369 has 2 MA's), (260, 54327), (267, 54306), (316, 54192), (319, 54186), (337, 54156), (371, 54096), (381, 54075), (399, 54021), (403, 54009), (409, 53991), (413, 53979), (445, 53874), (486, 53817), (499, 53781), (502, 53769), (512, 53742), (524, 53715), (531, 53697), (539, 53679), (553, 53640), (556, 53631), (557, 53628), (690, 53268), (696, 53235), (702, 53214), (729, 53121), (732, 53112), (747, 53049), (765, 53013), (766, 53010), (771, 52995), (796, 52917), (800, 52905), (806, 52884), (822, 52845), (857, 52755), (862, 52737), (864, 52731), (870, 52716), (879, 52692), (881, 52677), (882, 52674), (884, 52662), (892, 52638), (911, 52590), (922, 52566),

Gene: Eula_43 Start: 29571, Stop: 31445, Start Num: 229

Candidate Starts for Eula_43:

(Start: 226 @29568 has 7 MA's), (Start: 229 @29571 has 918 MA's), (266, 29640), (280, 29661), (382, 29841), (404, 29907), (418, 29949), (543, 30243), (598, 30378), (648, 30477), (683, 30600), (695, 30660), (698, 30666), (707, 30711), (716, 30741), (726, 30777), (735, 30813), (764, 30906), (793, 30999), (821, 31077), (853, 31149), (861, 31188), (877, 31230), (880, 31248), (898, 31308), (909, 31329),

Gene: Euphoria_43 Start: 34128, Stop: 32302, Start Num: 229

Candidate Starts for Euphoria_43:

(Start: 229 @34128 has 918 MA's), (347, 33915), (354, 33900), (382, 33852), (394, 33822), (400, 33801), (402, 33795), (404, 33786), (440, 33669), (448, 33642), (500, 33549), (504, 33534), (516,

33501), (539, 33450), (540, 33447), (566, 33381), (580, 33351), (592, 33321), (614, 33276), (635, 33237), (695, 33057), (704, 33027), (705, 33009), (707, 33006), (719, 32970), (735, 32904), (765, 32823), (766, 32820), (792, 32739), (853, 32589), (854, 32586), (861, 32550), (870, 32526), (874, 32517), (878, 32505), (881, 32487), (883, 32478), (898, 32430), (909, 32409),

Gene: Euratis_35 Start: 26897, Stop: 28750, Start Num: 229

Candidate Starts for Euratis_35:

(Start: 229 @26897 has 918 MA's), (250, 26918), (273, 26978), (298, 27011), (341, 27098), (371, 27146), (394, 27200), (395, 27203), (400, 27221), (402, 27227), (417, 27275), (437, 27344), (447, 27377), (501, 27476), (522, 27533), (528, 27548), (539, 27575), (543, 27587), (549, 27605), (565, 27641), (585, 27683), (588, 27692), (607, 27734), (611, 27740), (642, 27800), (646, 27809), (683, 27938), (695, 27998), (705, 28049), (712, 28064), (726, 28121), (728, 28127), (729, 28130), (732, 28139), (735, 28157), (738, 28172), (744, 28202), (763, 28256), (793, 28352), (825, 28439), (849, 28481), (857, 28526), (861, 28541), (864, 28550), (875, 28577), (881, 28604), (898, 28661), (901, 28667), (909, 28682), (914, 28691),

Gene: Eurydice_46 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Eurydice_46:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Evaa_50 Start: 46072, Stop: 44267, Start Num: 234

Candidate Starts for Evaa_50:

(Start: 202 @46111 has 1 MA's), (Start: 234 @46072 has 1 MA's), (253, 46036), (296, 45955), (298, 45949), (316, 45895), (343, 45853), (425, 45658), (433, 45631), (445, 45592), (486, 45535), (499, 45499), (511, 45463), (557, 45346), (676, 45055), (684, 45016), (690, 44992), (691, 44986), (696, 44959), (700, 44947), (727, 44854), (729, 44848), (732, 44839), (747, 44776), (765, 44740), (771, 44722), (796, 44644), (800, 44632), (806, 44611), (822, 44572), (849, 44527), (854, 44503), (864, 44458), (879, 44419), (881, 44404), (892, 44365), (922, 44293),

Gene: EvilGenius_47 Start: 33208, Stop: 31421, Start Num: 229

Candidate Starts for EvilGenius_47:

(Start: 229 @33208 has 918 MA's), (343, 33001), (347, 32995), (354, 32980), (365, 32965), (383, 32929), (394, 32902), (402, 32875), (408, 32854), (432, 32773), (448, 32722), (500, 32629), (516, 32581), (519, 32572), (528, 32557), (553, 32491), (611, 32362), (614, 32356), (695, 32137), (707, 32086), (718, 32053), (719, 32050), (735, 31984), (745, 31945), (758, 31924), (781, 31849), (786, 31837), (802, 31786), (828, 31723), (840, 31705), (853, 31669), (857, 31645), (881, 31567), (898, 31510), (903, 31498), (909, 31489),

Gene: Exile_36 Start: 30877, Stop: 32721, Start Num: 229

Candidate Starts for Exile_36:

(Start: 229 @30877 has 918 MA's), (373, 31123), (527, 31516), (543, 31558), (548, 31573), (553, 31585), (588, 31663), (598, 31690), (605, 31702), (611, 31711), (669, 31849), (695, 31969), (704, 31999), (735, 32122), (742, 32152), (764, 32215), (766, 32224), (857, 32482), (875, 32533), (877, 32539), (880, 32557), (898, 32617),

Gene: Expelliarmus_42 Start: 30600, Stop: 28756, Start Num: 229

Candidate Starts for Expelliarmus_42:

(128, 30765), (Start: 229 @30600 has 918 MA's), (261, 30549), (327, 30426), (341, 30396), (365, 30357), (382, 30324), (394, 30294), (400, 30273), (402, 30267), (404, 30258), (432, 30165), (448,

30114), (500, 30018), (508, 29991), (514, 29973), (516, 29970), (519, 29961), (543, 29907), (553, 29880), (576, 29832), (598, 29775), (614, 29748), (640, 29697), (650, 29682), (692, 29535), (695, 29514), (704, 29484), (705, 29466), (707, 29463), (714, 29448), (719, 29427), (723, 29418), (728, 29391), (732, 29379), (735, 29361), (765, 29280), (769, 29268), (786, 29214), (798, 29178), (808, 29142), (823, 29109), (837, 29088), (840, 29082), (854, 29043), (857, 29022), (862, 29004), (898, 28887), (903, 28875),

Gene: ExplosioNervosa_45 Start: 31573, Stop: 29780, Start Num: 229

Candidate Starts for ExplosioNervosa_45:

(Start: 229 @31573 has 918 MA's), (Start: 244 @31564 has 1 MA's), (261, 31522), (325, 31402), (327, 31399), (350, 31351), (383, 31291), (395, 31261), (398, 31249), (402, 31237), (448, 31084), (500, 30991), (553, 30853), (566, 30823), (640, 30664), (649, 30652), (666, 30625), (692, 30517), (695, 30496), (732, 30361), (735, 30343), (765, 30262), (777, 30220), (802, 30145), (837, 30070), (853, 30028), (881, 29926), (898, 29869), (903, 29857), (909, 29848),

Gene: Eyeball_46 Start: 35014, Stop: 33227, Start Num: 229

Candidate Starts for Eyeball_46:

(Start: 229 @35014 has 918 MA's), (347, 34801), (354, 34786), (394, 34708), (400, 34687), (402, 34681), (404, 34672), (440, 34555), (448, 34528), (500, 34435), (504, 34420), (539, 34336), (540, 34333), (566, 34267), (580, 34237), (592, 34207), (614, 34162), (635, 34123), (695, 33943), (705, 33895), (719, 33856), (735, 33790), (763, 33718), (765, 33709), (792, 33625), (823, 33538), (870, 33412), (875, 33400), (898, 33316), (901, 33310),

Gene: FF47_43 Start: 34250, Stop: 31839, Start Num: 38

Candidate Starts for FF47_43:

(Start: 38 @34250 has 1 MA's), (44, 34241), (Start: 55 @34196 has 1 MA's), (Start: 59 @34184 has 1 MA's), (Start: 70 @34145 has 1 MA's), (121, 33986), (136, 33956), (156, 33926), (264, 33758), (333, 33638), (384, 33536), (412, 33455), (432, 33395), (455, 33329), (489, 33197), (501, 33149), (544, 33077), (547, 33068), (565, 33056), (612, 32987), (688, 32774), (699, 32720), (721, 32639), (728, 32606), (744, 32540), (746, 32534), (748, 32528), (750, 32522), (757, 32498), (766, 32465), (771, 32450), (773, 32441), (820, 32282), (826, 32270), (887, 32042), (896, 32015), (920, 31946),

Gene: Fajezeel_47 Start: 35124, Stop: 33337, Start Num: 229

Candidate Starts for Fajezeel_47:

(Start: 229 @35124 has 918 MA's), (347, 34911), (354, 34896), (382, 34848), (394, 34818), (400, 34797), (402, 34791), (404, 34782), (440, 34665), (448, 34638), (500, 34545), (504, 34530), (516, 34497), (539, 34446), (540, 34443), (566, 34377), (580, 34347), (592, 34317), (614, 34272), (635, 34233), (695, 34053), (705, 34005), (719, 33966), (735, 33900), (763, 33828), (765, 33819), (792, 33735), (823, 33648), (870, 33522), (875, 33510), (898, 33426), (901, 33420),

Gene: Fameo_44 Start: 31472, Stop: 29685, Start Num: 229

Candidate Starts for Fameo_44:

(56, 31850), (110, 31661), (123, 31622), (Start: 229 @31472 has 918 MA's), (341, 31268), (343, 31265), (347, 31259), (354, 31244), (365, 31229), (382, 31196), (383, 31193), (394, 31166), (402, 31139), (408, 31118), (448, 30986), (500, 30893), (511, 30857), (516, 30845), (519, 30836), (528, 30821), (553, 30755), (588, 30674), (611, 30626), (614, 30620), (649, 30557), (695, 30401), (707, 30350), (718, 30317), (719, 30314), (735, 30248), (745, 30209), (758, 30188), (781, 30113), (786, 30101), (828, 29987), (840, 29969), (852, 29942), (853, 29933), (857, 29909), (881, 29831), (898, 29774), (903, 29762), (909, 29753),

Gene: Fanaw_52 Start: 53739, Stop: 51916, Start Num: 189

Candidate Starts for Fanaw_52:

(Start: 175 @53757 has 5 MA's), (Start: 189 @53739 has 57 MA's), (Start: 243 @53715 has 2 MA's), (260, 53673), (267, 53652), (308, 53565), (368, 53460), (381, 53433), (386, 53418), (409, 53352), (420, 53322), (422, 53313), (425, 53310), (426, 53307), (486, 53187), (493, 53169), (499, 53151), (502, 53139), (512, 53112), (539, 53049), (553, 53010), (556, 53001), (557, 52998), (570, 52968), (586, 52932), (676, 52707), (677, 52704), (684, 52668), (690, 52644), (696, 52611), (727, 52503), (729, 52497), (732, 52488), (765, 52389), (766, 52386), (771, 52371), (777, 52347), (796, 52293), (800, 52281), (806, 52260), (808, 52251), (822, 52221), (840, 52191), (852, 52164), (857, 52131), (864, 52107), (879, 52068), (882, 52050), (884, 52038), (892, 52014), (908, 51972), (911, 51966), (922, 51942),

Gene: Fang_62 Start: 54292, Stop: 52433, Start Num: 197

Candidate Starts for Fang_62:

(Start: 175 @54316 has 5 MA's), (Start: 197 @54292 has 267 MA's), (Start: 231 @54268 has 5 MA's), (Start: 243 @54262 has 2 MA's), (260, 54220), (267, 54199), (316, 54085), (319, 54079), (337, 54049), (371, 53989), (381, 53968), (399, 53914), (403, 53902), (409, 53884), (413, 53872), (445, 53767), (486, 53710), (499, 53674), (502, 53662), (512, 53635), (524, 53608), (531, 53590), (539, 53572), (553, 53533), (556, 53524), (557, 53521), (664, 53263), (690, 53161), (696, 53128), (702, 53107), (729, 53014), (732, 53005), (747, 52942), (765, 52906), (766, 52903), (771, 52888), (796, 52810), (800, 52798), (806, 52777), (822, 52738), (857, 52648), (862, 52630), (864, 52624), (870, 52609), (879, 52585), (881, 52570), (882, 52567), (884, 52555), (892, 52531), (911, 52483), (922, 52459),

Gene: Farber_48 Start: 31846, Stop: 30032, Start Num: 229

Candidate Starts for Farber_48:

(Start: 229 @31846 has 918 MA's), (255, 31807), (261, 31795), (341, 31642), (349, 31627), (382, 31570), (402, 31513), (404, 31504), (418, 31462), (432, 31411), (448, 31360), (487, 31306), (500, 31267), (516, 31219), (528, 31195), (543, 31156), (553, 31129), (566, 31099), (607, 31006), (614, 30994), (639, 30946), (649, 30931), (695, 30775), (707, 30724), (718, 30691), (719, 30688), (735, 30622), (745, 30583), (766, 30511), (777, 30472), (786, 30448), (792, 30430), (802, 30397), (811, 30370), (840, 30316), (857, 30256), (881, 30178), (898, 30121), (903, 30109), (909, 30100),

Gene: FarmerDoug_38 Start: 28918, Stop: 27050, Start Num: 270

Candidate Starts for FarmerDoug_38:

(164, 29086), (192, 29041), (Start: 227 @28996 has 8 MA's), (Start: 270 @28918 has 147 MA's), (Start: 276 @28909 has 5 MA's), (405, 28651), (407, 28645), (412, 28630), (415, 28624), (456, 28492), (471, 28438), (474, 28426), (493, 28351), (498, 28342), (500, 28330), (508, 28303), (509, 28300), (514, 28285), (516, 28279), (521, 28267), (530, 28243), (728, 27736), (731, 27727), (732, 27724), (735, 27706), (746, 27664), (773, 27574), (820, 27415), (834, 27385), (854, 27316), (858, 27292), (860, 27286), (870, 27253), (879, 27220), (880, 27208),

Gene: Fascinus_41 Start: 33978, Stop: 32152, Start Num: 229

Candidate Starts for Fascinus_41:

(Start: 229 @33978 has 918 MA's), (347, 33765), (354, 33750), (382, 33702), (394, 33672), (400, 33651), (402, 33645), (404, 33636), (440, 33519), (448, 33492), (500, 33399), (504, 33384), (516, 33351), (539, 33300), (540, 33297), (566, 33231), (592, 33171), (614, 33126), (635, 33087), (695, 32907), (705, 32859), (719, 32820), (735, 32754), (745, 32715), (758, 32694), (765, 32673), (771, 32655), (792, 32589), (853, 32439), (854, 32436), (861, 32400), (870, 32376), (874, 32367), (878, 32355), (883, 32328), (898, 32280), (909, 32259),

Gene: Fayely_45 Start: 31516, Stop: 29723, Start Num: 229

Candidate Starts for Fayely_45:

(Start: 229 @31516 has 918 MA's), (Start: 244 @31507 has 1 MA's), (261, 31465), (325, 31345), (327, 31342), (350, 31294), (383, 31234), (395, 31204), (398, 31192), (402, 31180), (448, 31027), (500,

30934), (553, 30796), (566, 30766), (640, 30607), (649, 30595), (666, 30568), (692, 30460), (695, 30439), (732, 30304), (735, 30286), (765, 30205), (777, 30163), (802, 30088), (837, 30013), (853, 29971), (881, 29869), (898, 29812), (903, 29800), (909, 29791),

Gene: Faze9_56 Start: 52623, Stop: 50794, Start Num: 189

Candidate Starts for Faze9_56:

(Start: 189 @52623 has 57 MA's), (Start: 243 @52596 has 2 MA's), (254, 52566), (260, 52554), (271, 52527), (273, 52524), (278, 52515), (298, 52497), (343, 52401), (371, 52350), (382, 52326), (391, 52302), (434, 52164), (439, 52149), (442, 52140), (445, 52128), (486, 52071), (499, 52035), (502, 52023), (511, 51999), (546, 51915), (556, 51885), (557, 51882), (570, 51852), (633, 51708), (659, 51642), (676, 51591), (679, 51570), (684, 51552), (696, 51495), (715, 51438), (723, 51411), (729, 51381), (732, 51372), (747, 51306), (763, 51279), (765, 51270), (771, 51252), (777, 51228), (796, 51174), (800, 51162), (806, 51141), (840, 51072), (857, 51012), (862, 50994), (875, 50961), (879, 50949), (881, 50934), (882, 50931), (884, 50919), (892, 50895), (893, 50892), (911, 50844), (912, 50841), (922, 50820), (925, 50799),

Gene: Feastonyeet_44 Start: 33868, Stop: 31490, Start Num: 41

Candidate Starts for Feastonyeet_44:

(Start: 41 @33868 has 13 MA's), (58, 33808), (71, 33766), (83, 33727), (114, 33637), (121, 33607), (132, 33586), (156, 33562), (205, 33484), (210, 33478), (211, 33475), (Start: 243 @33445 has 2 MA's), (251, 33427), (258, 33409), (274, 33370), (Start: 276 @33367 has 5 MA's), (311, 33310), (320, 33286), (333, 33271), (366, 33208), (379, 33184), (382, 33175), (384, 33169), (386, 33163), (398, 33130), (405, 33109), (412, 33088), (469, 32905), (489, 32830), (500, 32788), (547, 32701), (586, 32677), (594, 32653), (599, 32644), (609, 32623), (634, 32572), (635, 32569), (642, 32554), (654, 32533), (688, 32407), (699, 32359), (701, 32350), (712, 32308), (735, 32215), (744, 32179), (746, 32173), (748, 32167), (750, 32161), (766, 32104), (773, 32080), (801, 31975), (802, 31972), (838, 31879), (844, 31861), (854, 31822), (863, 31780), (871, 31756), (879, 31726), (888, 31678), (896, 31654), (902, 31630), (910, 31609), (945, 31522), (951, 31510),

Gene: Fenn_46 Start: 36445, Stop: 34658, Start Num: 229

Candidate Starts for Fenn_46:

(Start: 229 @36445 has 918 MA's), (347, 36232), (354, 36217), (382, 36169), (394, 36139), (402, 36112), (404, 36103), (440, 35986), (448, 35959), (500, 35866), (504, 35851), (516, 35818), (539, 35767), (540, 35764), (566, 35698), (592, 35638), (614, 35593), (635, 35554), (695, 35374), (705, 35326), (719, 35287), (735, 35221), (763, 35149), (765, 35140), (792, 35056), (823, 34969), (870, 34843), (875, 34831), (898, 34747), (901, 34741),

Gene: Fernando_48 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for Fernando_48:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (639, 30952), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Fibonacci_44 Start: 30330, Stop: 28543, Start Num: 229

Candidate Starts for Fibonacci_44:

(Start: 229 @30330 has 918 MA's), (341, 30126), (382, 30054), (394, 30024), (402, 29997), (501, 29745), (519, 29694), (553, 29613), (575, 29568), (576, 29565), (611, 29484), (640, 29427), (667, 29385), (678, 29340), (695, 29259), (707, 29208), (719, 29172), (735, 29106), (758, 29046), (763, 29034), (795, 28932), (802, 28908), (807, 28890), (840, 28827), (852, 28800), (853, 28791), (857, 28767), (898, 28632), (903, 28620), (909, 28611),

Gene: Figueroism_39 Start: 28924, Stop: 27059, Start Num: 270

Candidate Starts for Figueroism_39:

(Start: 216 @29011 has 3 MA's), (219, 29008), (Start: 270 @28924 has 147 MA's), (Start: 276 @28915 has 5 MA's), (333, 28810), (336, 28801), (353, 28771), (355, 28768), (408, 28648), (412, 28636), (415, 28630), (449, 28525), (456, 28498), (493, 28357), (497, 28351), (498, 28348), (500, 28336), (508, 28309), (509, 28306), (514, 28291), (516, 28285), (518, 28279), (531, 28246), (602, 28117), (629, 28057), (728, 27742), (731, 27733), (732, 27730), (735, 27712), (746, 27670), (748, 27664), (751, 27655), (756, 27640), (773, 27583), (820, 27424), (834, 27394), (836, 27385), (854, 27325), (858, 27301), (870, 27262), (879, 27229), (880, 27217), (896, 27157),

Gene: Finalfrontier_43 Start: 30430, Stop: 32304, Start Num: 229

Candidate Starts for Finalfrontier_43:

(Start: 226 @30427 has 7 MA's), (Start: 229 @30430 has 918 MA's), (266, 30499), (280, 30520), (382, 30700), (404, 30766), (418, 30808), (543, 31102), (598, 31237), (648, 31336), (683, 31459), (695, 31519), (698, 31525), (707, 31570), (714, 31585), (716, 31600), (726, 31636), (735, 31672), (764, 31765), (793, 31858), (821, 31936), (853, 32008), (861, 32047), (877, 32089), (880, 32107), (898, 32167), (909, 32188),

Gene: Finny_38 Start: 28772, Stop: 26907, Start Num: 270

Candidate Starts for Finny_38:

(Start: 270 @28772 has 147 MA's), (321, 28673), (357, 28613), (384, 28562), (412, 28484), (415, 28478), (429, 28433), (430, 28430), (431, 28427), (443, 28388), (463, 28328), (493, 28205), (498, 28196), (500, 28184), (503, 28172), (509, 28154), (516, 28133), (521, 28121), (610, 27950), (676, 27782), (723, 27617), (731, 27581), (735, 27560), (746, 27518), (773, 27431), (783, 27386), (816, 27287), (834, 27242), (854, 27173), (858, 27149), (869, 27116), (896, 27005),

Gene: FiringLine_44 Start: 31266, Stop: 29479, Start Num: 229

Candidate Starts for FiringLine_44:

(98, 31521), (Start: 229 @31266 has 918 MA's), (341, 31062), (343, 31059), (347, 31053), (354, 31038), (365, 31023), (382, 30990), (383, 30987), (394, 30960), (402, 30933), (408, 30912), (418, 30882), (448, 30780), (500, 30687), (516, 30639), (519, 30630), (528, 30615), (553, 30549), (588, 30468), (611, 30420), (614, 30414), (649, 30351), (678, 30276), (695, 30195), (707, 30144), (718, 30111), (719, 30108), (735, 30042), (745, 30003), (758, 29982), (781, 29907), (788, 29889), (802, 29844), (811, 29817), (828, 29781), (837, 29769), (840, 29763), (853, 29727), (857, 29703), (881, 29625), (898, 29568), (903, 29556), (909, 29547),

Gene: First_0044 Start: 31142, Stop: 29355, Start Num: 229

Candidate Starts for First_0044:

(50, 31559), (Start: 229 @31142 has 918 MA's), (341, 30938), (343, 30935), (347, 30929), (354, 30914), (365, 30899), (382, 30866), (383, 30863), (394, 30836), (402, 30809), (408, 30788), (418, 30758), (448, 30656), (500, 30563), (502, 30554), (516, 30515), (519, 30506), (528, 30491), (553, 30425), (588, 30344), (611, 30296), (614, 30290), (649, 30227), (678, 30152), (695, 30071), (718, 29987), (719, 29984), (735, 29918), (745, 29879), (758, 29858), (781, 29783), (788, 29765), (792, 29753), (802, 29720), (811, 29693), (828, 29657), (840, 29639), (853, 29603), (857, 29579), (877, 29522), (881, 29501), (898, 29444), (903, 29432), (909, 29423),

Gene: FlameThrower_40 Start: 29788, Stop: 31659, Start Num: 229

Candidate Starts for FlameThrower_40:

(Start: 229 @29788 has 918 MA's), (266, 29857), (325, 29962), (330, 29971), (404, 30124), (437, 30220), (440, 30229), (462, 30274), (510, 30379), (526, 30415), (543, 30460), (548, 30475), (588, 30568), (695, 30874), (707, 30925), (714, 30940), (726, 30991), (735, 31027), (764, 31120), (786, 31192), (821, 31291), (853, 31363), (857, 31387), (877, 31444), (891, 31498), (898, 31522), (909,

31543),

Gene: Flare16_44 Start: 31360, Stop: 29573, Start Num: 229

Candidate Starts for Flare16_44:

(Start: 229 @31360 has 918 MA's), (341, 31156), (343, 31153), (347, 31147), (365, 31117), (382, 31084), (383, 31081), (394, 31054), (402, 31027), (418, 30976), (448, 30874), (500, 30781), (516, 30733), (519, 30724), (528, 30709), (553, 30643), (588, 30562), (611, 30514), (678, 30370), (695, 30289), (707, 30238), (718, 30205), (735, 30136), (745, 30097), (758, 30076), (765, 30055), (769, 30043), (837, 29863), (840, 29857), (853, 29821), (857, 29797), (881, 29719), (898, 29662), (903, 29650),

Gene: Flaverint_45 Start: 30777, Stop: 28990, Start Num: 229

Candidate Starts for Flaverint_45:

(Start: 229 @30777 has 918 MA's), (341, 30573), (382, 30501), (394, 30471), (402, 30444), (501, 30192), (519, 30141), (553, 30060), (575, 30015), (640, 29874), (667, 29832), (678, 29787), (695, 29706), (707, 29655), (719, 29619), (735, 29553), (758, 29493), (763, 29481), (795, 29379), (802, 29355), (807, 29337), (840, 29274), (852, 29247), (853, 29238), (857, 29214), (898, 29079), (903, 29067), (909, 29058),

Gene: Floop_49 Start: 32023, Stop: 33888, Start Num: 227

Candidate Starts for Floop_49:

(Start: 227 @32023 has 8 MA's), (394, 32320), (437, 32464), (501, 32617), (521, 32668), (543, 32725), (607, 32872), (611, 32878), (640, 32935), (643, 32941), (678, 33055), (695, 33136), (712, 33199), (725, 33247), (726, 33253), (736, 33292), (779, 33436), (783, 33448), (789, 33463), (793, 33475), (823, 33559), (862, 33667), (879, 33712), (898, 33784), (942, 33883),

Gene: Florean_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Florean_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: FluffyNinja_62 Start: 54312, Stop: 52453, Start Num: 197

Candidate Starts for FluffyNinja_62:

(Start: 175 @54336 has 5 MA's), (Start: 197 @54312 has 267 MA's), (Start: 231 @54288 has 5 MA's), (Start: 243 @54282 has 2 MA's), (260, 54240), (267, 54219), (316, 54105), (319, 54099), (337, 54069), (371, 54009), (381, 53988), (399, 53934), (403, 53922), (409, 53904), (413, 53892), (445, 53787), (486, 53730), (499, 53694), (502, 53682), (511, 53658), (516, 53646), (524, 53628), (531, 53610), (539, 53592), (553, 53553), (556, 53544), (557, 53541), (558, 53538), (690, 53181), (696, 53148), (702, 53127), (729, 53034), (732, 53025), (747, 52962), (765, 52926), (766, 52923), (771, 52908), (796, 52830), (800, 52818), (806, 52797), (822, 52758), (857, 52668), (862, 52650), (864, 52644), (870, 52629), (879, 52605), (881, 52590), (882, 52587), (884, 52575), (892, 52551), (911, 52503), (922, 52479),

Gene: Flux_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Flux_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: FlyCatcher_47 Start: 33412, Stop: 31577, Start Num: 229

Candidate Starts for FlyCatcher_47:

(Start: 229 @33412 has 918 MA's), (250, 33391), (296, 33301), (369, 33163), (400, 33085), (402, 33079), (448, 32926), (498, 32842), (500, 32830), (514, 32785), (517, 32782), (543, 32722), (564, 32671), (569, 32659), (611, 32569), (635, 32524), (668, 32455), (678, 32413), (692, 32353), (695, 32332), (705, 32284), (723, 32236), (728, 32209), (729, 32206), (735, 32179), (745, 32140), (766, 32071), (777, 32032), (792, 31990), (793, 31987), (802, 31957), (840, 31861), (852, 31834), (861, 31786), (862, 31783), (898, 31666), (903, 31654), (909, 31645),

Gene: ForGetIt_38 Start: 30371, Stop: 28527, Start Num: 229

Candidate Starts for ForGetIt_38:

(Start: 229 @30371 has 918 MA's), (261, 30320), (296, 30260), (327, 30197), (341, 30167), (343, 30164), (378, 30107), (382, 30095), (394, 30065), (402, 30038), (432, 29936), (437, 29921), (448, 29885), (489, 29825), (500, 29789), (516, 29741), (550, 29657), (553, 29651), (586, 29579), (598, 29546), (607, 29531), (614, 29519), (664, 29420), (695, 29285), (704, 29255), (705, 29237), (707, 29234), (719, 29198), (723, 29189), (726, 29168), (729, 29159), (735, 29132), (736, 29129), (758, 29072), (765, 29051), (802, 28934), (823, 28880), (828, 28871), (840, 28853), (862, 28775), (880, 28718), (891, 28682), (898, 28658), (903, 28646),

Gene: Forsytheast_44 Start: 34479, Stop: 32653, Start Num: 229

Candidate Starts for Forsytheast_44:

(Start: 229 @34479 has 918 MA's), (347, 34266), (354, 34251), (394, 34173), (400, 34152), (402, 34146), (404, 34137), (440, 34020), (448, 33993), (500, 33900), (504, 33885), (511, 33864), (516, 33852), (539, 33801), (540, 33798), (566, 33732), (580, 33702), (592, 33672), (614, 33627), (635, 33588), (695, 33408), (705, 33360), (719, 33321), (735, 33255), (745, 33216), (758, 33195), (765, 33174), (771, 33156), (792, 33090), (853, 32940), (854, 32937), (861, 32901), (870, 32877), (874, 32868), (878, 32856), (898, 32781), (909, 32760),

Gene: Fortunato_54 Start: 54011, Stop: 52170, Start Num: 175

Candidate Starts for Fortunato_54:

(Start: 175 @54011 has 5 MA's), (Start: 189 @53993 has 57 MA's), (Start: 243 @53969 has 2 MA's), (253, 53942), (260, 53927), (267, 53906), (308, 53819), (368, 53714), (381, 53687), (386, 53672), (409, 53606), (420, 53576), (422, 53567), (425, 53564), (426, 53561), (486, 53441), (493, 53423), (499, 53405), (502, 53393), (512, 53366), (539, 53303), (553, 53264), (556, 53255), (557, 53252), (570, 53222), (586, 53186), (676, 52961), (677, 52958), (684, 52922), (696, 52865), (727, 52757), (729, 52751), (732, 52742), (765, 52643), (766, 52640), (771, 52625), (796, 52547), (800, 52535), (806, 52514), (808, 52505), (822, 52475), (840, 52445), (852, 52418), (857, 52385), (864, 52361), (879, 52322), (882, 52304), (884, 52292), (892, 52268), (908, 52226), (911, 52220), (922, 52196),

Gene: Forza_174 Start: 99637, Stop: 97856, Start Num: 242

Candidate Starts for Forza_174:

(Start: 242 @99637 has 4 MA's), (261, 99592), (271, 99565), (325, 99472), (356, 99412), (361, 99409), (365, 99400), (381, 99376), (396, 99334), (397, 99331), (412, 99286), (429, 99244), (446, 99190), (500, 99106), (532, 99022), (543, 98995), (548, 98980), (622, 98821), (635, 98797), (642, 98782), (649, 98773), (680, 98686), (687, 98659), (688, 98656), (692, 98635), (695, 98614), (706, 98563), (732, 98479), (737, 98452), (742, 98419), (754, 98377), (789, 98266), (798, 98239), (809, 98203), (813, 98194), (815, 98191), (818, 98182), (858, 98062), (864, 98041), (868, 98035), (879, 98002), (882, 97984), (883, 97978), (894, 97945), (898, 97930), (915, 97906), (917, 97903), (927, 97879),

Gene: Fozzie_61 Start: 54537, Stop: 52678, Start Num: 197

Candidate Starts for Fozzie_61:

(Start: 175 @54561 has 5 MA's), (Start: 197 @54537 has 267 MA's), (Start: 231 @54513 has 5 MA's), (Start: 243 @54507 has 2 MA's), (260, 54465), (267, 54444), (316, 54330), (319, 54324), (337, 54294), (371, 54234), (381, 54213), (399, 54159), (403, 54147), (409, 54129), (413, 54117), (445, 54012), (486, 53955), (499, 53919), (502, 53907), (511, 53883), (516, 53871), (524, 53853), (531, 53835), (539, 53817), (553, 53778), (556, 53769), (557, 53766), (558, 53763), (690, 53406), (696, 53373), (702, 53352), (729, 53259), (732, 53250), (747, 53187), (765, 53151), (766, 53148), (771, 53133), (796, 53055), (800, 53043), (806, 53022), (822, 52983), (857, 52893), (862, 52875), (864, 52869), (870, 52854), (879, 52830), (881, 52815), (882, 52812), (884, 52800), (892, 52776), (911, 52728), (922, 52704),

Gene: Francis47_44 Start: 35450, Stop: 33624, Start Num: 229

Candidate Starts for Francis47_44:

(Start: 229 @35450 has 918 MA's), (347, 35237), (354, 35222), (394, 35144), (400, 35123), (402, 35117), (404, 35108), (440, 34991), (448, 34964), (500, 34871), (504, 34856), (516, 34823), (539, 34772), (540, 34769), (566, 34703), (580, 34673), (592, 34643), (614, 34598), (635, 34559), (695, 34379), (704, 34349), (705, 34331), (707, 34328), (719, 34292), (735, 34226), (765, 34145), (766, 34142), (792, 34061), (850, 33926), (853, 33911), (854, 33908), (861, 33872), (870, 33848), (874, 33839), (878, 33827), (883, 33800), (898, 33752), (909, 33731),

Gene: Frankicide_59 Start: 54077, Stop: 52218, Start Num: 197

Candidate Starts for Frankicide_59:

(Start: 175 @54101 has 5 MA's), (Start: 197 @54077 has 267 MA's), (Start: 231 @54053 has 5 MA's), (Start: 243 @54047 has 2 MA's), (260, 54005), (267, 53984), (316, 53870), (319, 53864), (337, 53834), (371, 53774), (381, 53753), (399, 53699), (403, 53687), (409, 53669), (413, 53657), (445, 53552), (486, 53495), (499, 53459), (502, 53447), (512, 53420), (516, 53411), (531, 53375), (553, 53318), (556, 53309), (557, 53306), (558, 53303), (690, 52946), (696, 52913), (702, 52892), (729, 52799), (732, 52790), (747, 52727), (765, 52691), (766, 52688), (771, 52673), (796, 52595), (800, 52583), (806, 52562), (822, 52523), (857, 52433), (862, 52415), (864, 52409), (870, 52394), (879, 52370), (881, 52355), (882, 52352), (884, 52340), (892, 52316), (911, 52268), (922, 52244),

Gene: Franklin22_41 Start: 28031, Stop: 29905, Start Num: 229

Candidate Starts for Franklin22_41:

(Start: 226 @28028 has 7 MA's), (Start: 229 @28031 has 918 MA's), (266, 28100), (341, 28238), (404, 28367), (409, 28382), (437, 28463), (543, 28703), (548, 28718), (560, 28748), (598, 28838), (663, 29012), (683, 29090), (695, 29150), (729, 29276), (735, 29303), (764, 29396), (786, 29468), (821, 29567), (822, 29570), (823, 29573), (877, 29720), (880, 29738), (898, 29798), (909, 29819), (920, 29843), (937, 29888),

Gene: Fred313_45 Start: 31127, Stop: 29289, Start Num: 229

Candidate Starts for Fred313_45:

(173, 31199), (Start: 229 @31127 has 918 MA's), (261, 31076), (341, 30923), (378, 30863), (382, 30851), (402, 30794), (404, 30785), (408, 30773), (441, 30665), (448, 30641), (500, 30545), (517, 30497), (543, 30437), (569, 30374), (598, 30305), (611, 30284), (649, 30215), (652, 30209), (668, 30170), (695, 30047), (719, 29960), (728, 29924), (735, 29894), (742, 29864), (766, 29783), (777, 29744), (786, 29720), (792, 29702), (840, 29573), (857, 29513), (898, 29378), (903, 29366), (909, 29357),

Gene: Frederick_54 Start: 53929, Stop: 52085, Start Num: 175

Candidate Starts for Frederick_54:

(Start: 175 @53929 has 5 MA's), (Start: 189 @53911 has 57 MA's), (Start: 243 @53884 has 2 MA's), (253, 53857), (260, 53842), (267, 53821), (308, 53734), (368, 53629), (381, 53602), (386, 53587), (409, 53521), (420, 53491), (422, 53482), (425, 53479), (426, 53476), (434, 53449), (445, 53413), (486, 53356), (493, 53338), (499, 53320), (502, 53308), (512, 53281), (539, 53218), (553, 53179),

(556, 53170), (557, 53167), (570, 53137), (586, 53101), (676, 52876), (677, 52873), (684, 52837), (696, 52780), (727, 52672), (729, 52666), (732, 52657), (765, 52558), (766, 52555), (771, 52540), (796, 52462), (800, 52450), (806, 52429), (808, 52420), (822, 52390), (840, 52360), (852, 52333), (857, 52300), (864, 52276), (879, 52237), (882, 52219), (884, 52207), (892, 52183), (908, 52141), (911, 52135), (922, 52111),

Gene: FrenchFry_57 Start: 52599, Stop: 50770, Start Num: 189

Candidate Starts for FrenchFry_57:

(Start: 189 @52599 has 57 MA's), (Start: 243 @52572 has 2 MA's), (254, 52542), (260, 52530), (271, 52503), (273, 52500), (278, 52491), (298, 52473), (343, 52377), (371, 52326), (382, 52302), (391, 52278), (434, 52140), (442, 52116), (445, 52104), (486, 52047), (499, 52011), (502, 51999), (511, 51975), (546, 51891), (556, 51861), (557, 51858), (570, 51828), (633, 51684), (659, 51618), (673, 51579), (676, 51567), (679, 51546), (684, 51528), (696, 51471), (723, 51387), (729, 51357), (732, 51348), (747, 51282), (763, 51255), (765, 51246), (771, 51228), (777, 51204), (796, 51150), (800, 51138), (806, 51117), (840, 51048), (857, 50988), (862, 50970), (875, 50937), (879, 50925), (881, 50910), (882, 50907), (884, 50895), (892, 50871), (893, 50868), (911, 50820), (912, 50817), (922, 50796), (925, 50775),

Gene: Fresco_51 Start: 45981, Stop: 44164, Start Num: 236

Candidate Starts for Fresco_51:

(75, 46302), (81, 46278), (Start: 236 @45981 has 14 MA's), (253, 45945), (260, 45930), (273, 45900), (334, 45774), (395, 45651), (399, 45636), (413, 45594), (445, 45498), (499, 45405), (549, 45276), (557, 45252), (679, 44940), (684, 44922), (696, 44865), (729, 44751), (732, 44742), (747, 44679), (766, 44640), (771, 44625), (796, 44547), (800, 44535), (806, 44514), (808, 44505), (852, 44418), (858, 44382), (861, 44370), (876, 44331), (879, 44322), (881, 44307), (892, 44262), (911, 44214), (922, 44190),

Gene: Freya_58 Start: 53738, Stop: 51879, Start Num: 197

Candidate Starts for Freya_58:

(Start: 175 @53762 has 5 MA's), (Start: 197 @53738 has 267 MA's), (Start: 231 @53714 has 5 MA's), (Start: 243 @53708 has 2 MA's), (260, 53666), (267, 53645), (316, 53531), (319, 53525), (337, 53495), (371, 53435), (381, 53414), (399, 53360), (403, 53348), (409, 53330), (413, 53318), (445, 53213), (486, 53156), (499, 53120), (502, 53108), (512, 53081), (524, 53054), (531, 53036), (539, 53018), (553, 52979), (556, 52970), (557, 52967), (664, 52709), (690, 52607), (696, 52574), (702, 52553), (729, 52460), (732, 52451), (747, 52388), (765, 52352), (766, 52349), (771, 52334), (796, 52256), (800, 52244), (806, 52223), (822, 52184), (857, 52094), (862, 52076), (864, 52070), (870, 52055), (879, 52031), (881, 52016), (882, 52013), (884, 52001), (892, 51977), (911, 51929), (922, 51905),

Gene: FriarPreacher_60 Start: 54124, Stop: 52265, Start Num: 197

Candidate Starts for FriarPreacher_60:

(Start: 175 @54148 has 5 MA's), (Start: 197 @54124 has 267 MA's), (Start: 231 @54100 has 5 MA's), (Start: 243 @54094 has 2 MA's), (260, 54052), (267, 54031), (316, 53917), (319, 53911), (337, 53881), (371, 53821), (381, 53800), (399, 53746), (403, 53734), (409, 53716), (413, 53704), (445, 53599), (486, 53542), (499, 53506), (502, 53494), (511, 53470), (516, 53458), (524, 53440), (531, 53422), (539, 53404), (553, 53365), (556, 53356), (557, 53353), (558, 53350), (690, 52993), (696, 52960), (702, 52939), (729, 52846), (732, 52837), (747, 52774), (765, 52738), (766, 52735), (771, 52720), (796, 52642), (800, 52630), (806, 52609), (822, 52570), (857, 52480), (862, 52462), (864, 52456), (870, 52441), (879, 52417), (881, 52402), (882, 52399), (884, 52387), (892, 52363), (911, 52315), (922, 52291),

Gene: Fribs8_39 Start: 31749, Stop: 29392, Start Num: 39

Candidate Starts for Fribs8_39:

(Start: 39 @31749 has 23 MA's), (46, 31734), (53, 31698), (101, 31563), (121, 31500), (154, 31458), (160, 31446), (Start: 234 @31344 has 1 MA's), (274, 31266), (311, 31206), (363, 31113), (379, 31083), (398, 31029), (412, 30987), (433, 30924), (472, 30789), (489, 30729), (492, 30711), (513, 30645), (544, 30609), (612, 30516), (634, 30471), (650, 30444), (655, 30432), (659, 30420), (693, 30279), (725, 30159), (732, 30135), (735, 30117), (737, 30108), (744, 30081), (746, 30075), (748, 30069), (750, 30063), (757, 30039), (766, 30006), (773, 29982), (783, 29937), (803, 29871), (844, 29763), (860, 29694), (871, 29658), (887, 29583), (888, 29580), (896, 29556), (920, 29487), (944, 29424),

Gene: Fringe_64 Start: 54914, Stop: 53055, Start Num: 197

Candidate Starts for Fringe_64:

(Start: 175 @54938 has 5 MA's), (Start: 197 @54914 has 267 MA's), (Start: 231 @54890 has 5 MA's), (Start: 243 @54884 has 2 MA's), (260, 54842), (267, 54821), (316, 54707), (319, 54701), (337, 54671), (371, 54611), (381, 54590), (399, 54536), (403, 54524), (409, 54506), (413, 54494), (445, 54389), (486, 54332), (499, 54296), (502, 54284), (511, 54260), (516, 54248), (524, 54230), (531, 54212), (539, 54194), (553, 54155), (556, 54146), (557, 54143), (558, 54140), (690, 53783), (696, 53750), (702, 53729), (729, 53636), (732, 53627), (747, 53564), (765, 53528), (766, 53525), (771, 53510), (796, 53432), (800, 53420), (806, 53399), (822, 53360), (857, 53270), (862, 53252), (864, 53246), (870, 53231), (879, 53207), (881, 53192), (882, 53189), (884, 53177), (892, 53153), (911, 53105), (922, 53081),

Gene: Froghopper_43 Start: 34120, Stop: 32291, Start Num: 229

Candidate Starts for Froghopper_43:

(Start: 229 @34120 has 918 MA's), (347, 33907), (354, 33892), (382, 33844), (394, 33814), (400, 33793), (402, 33787), (404, 33778), (440, 33661), (448, 33634), (500, 33541), (504, 33526), (539, 33442), (540, 33439), (566, 33373), (580, 33343), (592, 33313), (614, 33268), (635, 33229), (695, 33049), (705, 33001), (723, 32953), (732, 32914), (735, 32896), (745, 32857), (758, 32836), (765, 32815), (770, 32800), (808, 32677), (875, 32506), (880, 32482), (895, 32434), (898, 32422), (909, 32401), (912, 32395), (928, 32347), (935, 32332),

Gene: FugateOSU_61 Start: 55083, Stop: 53224, Start Num: 197

Candidate Starts for FugateOSU_61:

(Start: 175 @55107 has 5 MA's), (Start: 197 @55083 has 267 MA's), (Start: 231 @55059 has 5 MA's), (Start: 243 @55053 has 2 MA's), (260, 55011), (267, 54990), (316, 54876), (319, 54870), (337, 54840), (371, 54780), (381, 54759), (399, 54705), (403, 54693), (409, 54675), (413, 54663), (445, 54558), (486, 54501), (499, 54465), (502, 54453), (512, 54426), (524, 54399), (531, 54381), (539, 54363), (553, 54324), (556, 54315), (557, 54312), (664, 54054), (690, 53952), (696, 53919), (702, 53898), (729, 53805), (732, 53796), (747, 53733), (765, 53697), (766, 53694), (771, 53679), (796, 53601), (800, 53589), (806, 53568), (822, 53529), (857, 53439), (862, 53421), (864, 53415), (870, 53400), (879, 53376), (881, 53361), (882, 53358), (884, 53346), (892, 53322), (911, 53274), (922, 53250),

Gene: Fulton_37 Start: 26991, Stop: 25126, Start Num: 270

Candidate Starts for Fulton_37:

(Start: 270 @26991 has 147 MA's), (274, 26985), (326, 26886), (333, 26877), (344, 26853), (353, 26838), (357, 26832), (384, 26781), (386, 26778), (415, 26697), (434, 26637), (463, 26547), (465, 26544), (489, 26445), (497, 26418), (498, 26415), (500, 26403), (509, 26373), (516, 26352), (530, 26316), (610, 26169), (655, 26067), (678, 25989), (728, 25809), (735, 25779), (750, 25725), (757, 25707), (773, 25650), (781, 25623), (790, 25581), (802, 25542), (834, 25461), (836, 25452), (854, 25392), (858, 25368), (861, 25356), (864, 25347), (870, 25329), (879, 25296), (896, 25224),

Gene: Funsized_59 Start: 56200, Stop: 54350, Start Num: 197

Candidate Starts for Funsized_59:

(22, 56692), (40, 56611), (61, 56536), (73, 56497), (75, 56494), (176, 56221), (Start: 197 @56200 has 267 MA's), (217, 56191), (253, 56143), (258, 56131), (343, 55960), (382, 55885), (391, 55861), (409, 55807), (412, 55798), (413, 55795), (418, 55783), (420, 55777), (445, 55690), (486, 55633), (491, 55621), (499, 55597), (502, 55585), (505, 55576), (511, 55561), (512, 55558), (516, 55549), (549, 55462), (553, 55450), (557, 55438), (567, 55414), (570, 55408), (611, 55324), (647, 55228), (676, 55141), (677, 55138), (684, 55102), (691, 55072), (696, 55045), (702, 55024), (711, 54994), (727, 54937), (729, 54931), (732, 54922), (747, 54859), (765, 54823), (766, 54820), (771, 54805), (792, 54739), (796, 54727), (800, 54715), (806, 54694), (808, 54685), (812, 54676), (840, 54625), (857, 54565), (864, 54541), (870, 54526), (879, 54502), (880, 54490), (881, 54487), (882, 54484), (884, 54472), (892, 54448), (900, 54424), (901, 54421), (908, 54406), (911, 54400), (922, 54376),

Gene: Funston_44 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Funston_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Fushigi_43 Start: 32768, Stop: 30939, Start Num: 229

Candidate Starts for Fushigi_43:

(Start: 229 @32768 has 918 MA's), (347, 32555), (354, 32540), (394, 32462), (400, 32441), (402, 32435), (404, 32426), (440, 32309), (448, 32282), (500, 32189), (504, 32174), (516, 32141), (539, 32090), (540, 32087), (560, 32033), (566, 32021), (580, 31991), (592, 31961), (614, 31916), (635, 31877), (695, 31697), (705, 31649), (723, 31601), (732, 31562), (735, 31544), (745, 31505), (758, 31484), (765, 31463), (770, 31448), (808, 31325), (875, 31154), (880, 31130), (895, 31082), (898, 31070), (909, 31049), (912, 31043), (928, 30995), (935, 30980),

Gene: GMA2_66 Start: 70128, Stop: 68344, Start Num: 239

Candidate Starts for GMA2_66:

(Start: 239 @70128 has 2 MA's), (Start: 252 @70104 has 4 MA's), (298, 70014), (341, 69927), (361, 69897), (368, 69885), (396, 69822), (397, 69819), (412, 69774), (413, 69771), (415, 69768), (446, 69678), (451, 69663), (483, 69633), (500, 69594), (511, 69558), (532, 69510), (543, 69483), (548, 69468), (589, 69375), (622, 69309), (635, 69285), (692, 69126), (695, 69105), (734, 68958), (737, 68943), (741, 68913), (754, 68865), (755, 68862), (766, 68826), (779, 68781), (783, 68769), (789, 68754), (802, 68712), (815, 68679), (840, 68613), (853, 68577), (868, 68523), (870, 68514), (879, 68490), (898, 68418), (917, 68391), (927, 68367),

Gene: GTE2_35 Start: 32210, Stop: 29823, Start Num: 32

Candidate Starts for GTE2_35:

(Start: 32 @32210 has 16 MA's), (58, 32147), (76, 32090), (116, 31967), (121, 31943), (211, 31811), (241, 31784), (311, 31646), (352, 31568), (379, 31520), (398, 31466), (399, 31463), (405, 31445), (412, 31424), (417, 31409), (429, 31373), (432, 31364), (433, 31361), (469, 31241), (484, 31181), (489, 31166), (513, 31082), (547, 31037), (570, 31013), (586, 31007), (594, 30983), (599, 30974), (633, 30905), (634, 30902), (635, 30899), (685, 30752), (701, 30683), (702, 30677), (712, 30641), (735, 30548), (737, 30539), (744, 30512), (746, 30506), (748, 30500), (750, 30494), (757, 30470), (766, 30437), (771, 30422), (773, 30413), (783, 30368), (801, 30308), (812, 30275), (854, 30155), (862, 30116), (863, 30113), (896, 29987), (910, 29942), (914, 29933), (935, 29873),

Gene: Gack_40 Start: 28093, Stop: 29955, Start Num: 229

Candidate Starts for Gack_40:

(183, 28039), (Start: 229 @28093 has 918 MA's), (250, 28114), (266, 28162), (404, 28429), (409, 28444), (437, 28525), (543, 28765), (648, 29017), (683, 29140), (695, 29200), (707, 29251), (729,

29326), (735, 29353), (764, 29446), (821, 29617), (822, 29620), (823, 29623), (854, 29692), (877, 29770), (898, 29848), (909, 29869), (920, 29893), (937, 29938),

Gene: Gadjet_59 Start: 54012, Stop: 52195, Start Num: 238

Candidate Starts for Gadjet_59:

(124, 54195), (Start: 238 @54012 has 44 MA's), (253, 53982), (347, 53802), (395, 53697), (408, 53649), (412, 53637), (422, 53607), (426, 53601), (445, 53538), (486, 53481), (499, 53445), (516, 53397), (557, 53292), (596, 53196), (627, 53145), (676, 53001), (684, 52962), (691, 52932), (696, 52905), (700, 52893), (727, 52797), (729, 52791), (732, 52782), (734, 52770), (759, 52698), (765, 52668), (771, 52650), (773, 52641), (796, 52572), (800, 52560), (806, 52539), (840, 52470), (849, 52455), (854, 52431), (857, 52410), (864, 52386), (879, 52347), (882, 52329), (884, 52317), (888, 52305), (892, 52293), (922, 52221),

Gene: Gadost_45 Start: 31574, Stop: 29748, Start Num: 229

Candidate Starts for Gadost_45:

(Start: 229 @31574 has 918 MA's), (250, 31553), (261, 31523), (273, 31493), (365, 31331), (376, 31313), (402, 31241), (404, 31232), (441, 31112), (448, 31088), (500, 30995), (517, 30947), (528, 30926), (543, 30887), (598, 30755), (611, 30734), (635, 30689), (640, 30677), (692, 30524), (695, 30503), (728, 30380), (735, 30350), (745, 30311), (765, 30245), (766, 30242), (771, 30227), (777, 30203), (786, 30179), (857, 29972), (898, 29837), (903, 29825), (909, 29816),

Gene: GaeCeo_39 Start: 29207, Stop: 27342, Start Num: 268

Candidate Starts for GaeCeo_39:

(Start: 268 @29207 has 18 MA's), (284, 29183), (355, 29051), (386, 28994), (405, 28940), (412, 28919), (415, 28913), (474, 28712), (498, 28628), (500, 28616), (509, 28586), (516, 28565), (521, 28553), (530, 28529), (547, 28484), (602, 28397), (624, 28352), (629, 28337), (670, 28235), (723, 28052), (732, 28013), (735, 27995), (746, 27953), (751, 27938), (773, 27866), (854, 27608), (858, 27584), (869, 27551), (896, 27440),

Gene: GageAP_45 Start: 34414, Stop: 32588, Start Num: 229

Candidate Starts for GageAP_45:

(Start: 229 @34414 has 918 MA's), (260, 34366), (347, 34201), (354, 34186), (394, 34108), (400, 34087), (402, 34081), (404, 34072), (440, 33955), (448, 33928), (500, 33835), (504, 33820), (539, 33736), (540, 33733), (566, 33667), (580, 33637), (592, 33607), (614, 33562), (635, 33523), (695, 33343), (704, 33313), (705, 33295), (707, 33292), (719, 33256), (735, 33190), (765, 33109), (766, 33106), (792, 33025), (853, 32875), (854, 32872), (861, 32836), (870, 32812), (874, 32803), (878, 32791), (898, 32716), (909, 32695),

Gene: Gail_49 Start: 33012, Stop: 31219, Start Num: 229

Candidate Starts for Gail_49:

(152, 33114), (Start: 229 @33012 has 918 MA's), (Start: 244 @33003 has 1 MA's), (256, 32970), (296, 32901), (341, 32808), (382, 32733), (383, 32730), (394, 32703), (402, 32676), (418, 32625), (441, 32547), (448, 32523), (500, 32430), (514, 32385), (553, 32292), (566, 32262), (635, 32115), (666, 32064), (678, 32016), (695, 31935), (714, 31869), (728, 31812), (735, 31782), (765, 31701), (802, 31584), (811, 31557), (853, 31467), (877, 31386), (881, 31365), (883, 31356), (898, 31308), (903, 31296), (909, 31287), (911, 31284),

Gene: Gambol_41 Start: 27611, Stop: 29593, Start Num: 229

Candidate Starts for Gambol_41:

(Start: 229 @27611 has 918 MA's), (327, 27785), (368, 27848), (383, 27881), (408, 27956), (483, 28184), (543, 28358), (611, 28514), (669, 28652), (689, 28739), (695, 28772), (704, 28802), (719, 28859), (735, 28925), (764, 29018), (857, 29285), (864, 29309), (898, 29420), (944, 29528),

Gene: Gandalf20_46 Start: 35478, Stop: 33652, Start Num: 229

Candidate Starts for Gandalf20_46:

(Start: 229 @35478 has 918 MA's), (347, 35265), (382, 35202), (394, 35172), (400, 35151), (402, 35145), (404, 35136), (440, 35019), (448, 34992), (500, 34899), (504, 34884), (511, 34863), (516, 34851), (539, 34800), (540, 34797), (566, 34731), (580, 34701), (592, 34671), (614, 34626), (635, 34587), (695, 34407), (705, 34359), (719, 34320), (735, 34254), (745, 34215), (758, 34194), (765, 34173), (771, 34155), (792, 34089), (853, 33939), (854, 33936), (861, 33900), (870, 33876), (874, 33867), (878, 33855), (883, 33828), (898, 33780), (909, 33759),

Gene: Garak_47 Start: 29791, Stop: 27950, Start Num: 229

Candidate Starts for Garak_47:

(Start: 229 @29791 has 918 MA's), (341, 29587), (382, 29512), (383, 29509), (394, 29482), (398, 29467), (402, 29455), (418, 29404), (444, 29314), (448, 29302), (500, 29209), (512, 29170), (519, 29152), (528, 29137), (553, 29071), (567, 29038), (569, 29035), (615, 28933), (649, 28873), (678, 28789), (695, 28708), (718, 28624), (719, 28621), (723, 28612), (728, 28585), (735, 28555), (758, 28495), (771, 28456), (853, 28240), (854, 28237), (857, 28216), (898, 28081), (903, 28069), (909, 28060), (911, 28057), (947, 27964),

Gene: GardenB_38 Start: 29033, Stop: 27168, Start Num: 270

Candidate Starts for GardenB_38:

(Start: 270 @29033 has 147 MA's), (Start: 276 @29024 has 5 MA's), (357, 28874), (407, 28760), (412, 28745), (415, 28739), (471, 28553), (474, 28541), (493, 28466), (498, 28457), (500, 28445), (508, 28418), (509, 28415), (514, 28400), (516, 28394), (518, 28388), (530, 28358), (547, 28313), (629, 28166), (670, 28064), (676, 28043), (728, 27851), (731, 27842), (732, 27839), (735, 27821), (746, 27779), (751, 27764), (773, 27692), (820, 27533), (834, 27503), (854, 27434), (858, 27410), (870, 27371), (879, 27338), (880, 27326),

Gene: GardenState_48 Start: 31425, Stop: 33290, Start Num: 227

Candidate Starts for GardenState_48:

(Start: 227 @31425 has 8 MA's), (394, 31722), (421, 31812), (543, 32127), (588, 32232), (592, 32241), (611, 32280), (643, 32343), (695, 32538), (712, 32601), (726, 32655), (728, 32661), (736, 32694), (763, 32781), (783, 32850), (793, 32877), (898, 33186),

Gene: Gareth_60 Start: 54536, Stop: 52677, Start Num: 197

Candidate Starts for Gareth_60:

(Start: 175 @54560 has 5 MA's), (Start: 197 @54536 has 267 MA's), (Start: 231 @54512 has 5 MA's), (Start: 243 @54506 has 2 MA's), (260, 54464), (267, 54443), (316, 54329), (319, 54323), (337, 54293), (371, 54233), (381, 54212), (399, 54158), (403, 54146), (409, 54128), (413, 54116), (445, 54011), (486, 53954), (499, 53918), (502, 53906), (512, 53879), (524, 53852), (531, 53834), (539, 53816), (553, 53777), (556, 53768), (557, 53765), (664, 53507), (690, 53405), (696, 53372), (702, 53351), (729, 53258), (732, 53249), (747, 53186), (765, 53150), (766, 53147), (771, 53132), (796, 53054), (800, 53042), (806, 53021), (822, 52982), (857, 52892), (862, 52874), (864, 52868), (870, 52853), (879, 52829), (881, 52814), (882, 52811), (884, 52799), (892, 52775), (911, 52727), (922, 52703),

Gene: Garey24_38 Start: 28589, Stop: 26733, Start Num: 276

Candidate Starts for Garey24_38:

(Start: 216 @28685 has 3 MA's), (Start: 270 @28598 has 147 MA's), (Start: 276 @28589 has 5 MA's), (333, 28484), (336, 28475), (353, 28445), (355, 28442), (408, 28322), (412, 28310), (415, 28304), (449, 28199), (456, 28172), (493, 28031), (497, 28025), (498, 28022), (500, 28010), (508, 27983), (509, 27980), (514, 27965), (516, 27959), (518, 27953), (531, 27920), (602, 27791), (629, 27731), (728, 27416), (731, 27407), (732, 27404), (735, 27386), (746, 27344), (748, 27338), (751, 27329), (756, 27314), (773, 27257), (820, 27098), (834, 27068), (836, 27059), (854, 26999), (858, 26975),

(870, 26936), (879, 26903), (880, 26891), (896, 26831),

Gene: Gargoyle_39 Start: 28930, Stop: 27074, Start Num: 276

Candidate Starts for Gargoyle_39:

(Start: 216 @29026 has 3 MA's), (219, 29023), (Start: 270 @28939 has 147 MA's), (Start: 276 @28930 has 5 MA's), (333, 28825), (336, 28816), (353, 28786), (355, 28783), (407, 28666), (412, 28651), (415, 28645), (449, 28540), (456, 28513), (493, 28372), (498, 28363), (500, 28351), (508, 28324), (509, 28321), (514, 28306), (516, 28300), (518, 28294), (531, 28261), (629, 28072), (654, 28018), (661, 27997), (728, 27757), (731, 27748), (732, 27745), (735, 27727), (746, 27685), (748, 27679), (756, 27655), (773, 27598), (820, 27439), (834, 27409), (836, 27400), (854, 27340), (858, 27316), (870, 27277), (879, 27244), (880, 27232), (896, 27172),

Gene: GaugeLDP_43 Start: 31738, Stop: 29948, Start Num: 229

Candidate Starts for GaugeLDP_43:

(Start: 229 @31738 has 918 MA's), (341, 31534), (382, 31459), (383, 31456), (394, 31429), (398, 31414), (402, 31402), (444, 31261), (448, 31249), (500, 31156), (501, 31150), (516, 31108), (519, 31099), (528, 31084), (553, 31018), (588, 30937), (598, 30910), (611, 30889), (635, 30844), (668, 30787), (695, 30664), (718, 30580), (728, 30541), (735, 30511), (745, 30472), (765, 30430), (853, 30196), (881, 30094), (898, 30037), (903, 30025), (909, 30016),

Gene: Gelo_38 Start: 28622, Stop: 26757, Start Num: 270

Candidate Starts for Gelo_38:

(Start: 216 @28709 has 3 MA's), (Start: 270 @28622 has 147 MA's), (Start: 276 @28613 has 5 MA's), (333, 28508), (336, 28499), (353, 28469), (355, 28466), (408, 28346), (412, 28334), (415, 28328), (449, 28223), (456, 28196), (493, 28055), (497, 28049), (498, 28046), (500, 28034), (508, 28007), (509, 28004), (514, 27989), (516, 27983), (518, 27977), (531, 27944), (602, 27815), (629, 27755), (728, 27440), (731, 27431), (732, 27428), (735, 27410), (746, 27368), (748, 27362), (756, 27338), (773, 27281), (820, 27122), (834, 27092), (836, 27083), (854, 27023), (858, 26999), (870, 26960), (879, 26927), (880, 26915), (896, 26855),

Gene: Gemma_47 Start: 31749, Stop: 29935, Start Num: 229

Candidate Starts for Gemma_47:

(Start: 229 @31749 has 918 MA's), (255, 31710), (261, 31698), (341, 31545), (349, 31530), (382, 31473), (402, 31416), (404, 31407), (418, 31365), (432, 31314), (448, 31263), (500, 31170), (516, 31122), (528, 31098), (543, 31059), (553, 31032), (566, 31002), (607, 30909), (614, 30897), (639, 30849), (649, 30834), (695, 30678), (707, 30627), (718, 30594), (719, 30591), (735, 30525), (745, 30486), (766, 30414), (777, 30375), (786, 30351), (792, 30333), (802, 30300), (840, 30219), (857, 30159), (862, 30141), (881, 30081), (883, 30072), (898, 30024), (903, 30012), (909, 30003),

Gene: GeneCoco_61 Start: 54579, Stop: 52720, Start Num: 197

Candidate Starts for GeneCoco_61:

(Start: 175 @54603 has 5 MA's), (Start: 197 @54579 has 267 MA's), (Start: 231 @54555 has 5 MA's), (Start: 243 @54549 has 2 MA's), (260, 54507), (267, 54486), (316, 54372), (319, 54366), (337, 54336), (371, 54276), (381, 54255), (399, 54201), (403, 54189), (409, 54171), (413, 54159), (445, 54054), (486, 53997), (499, 53961), (502, 53949), (511, 53925), (516, 53913), (524, 53895), (531, 53877), (539, 53859), (553, 53820), (556, 53811), (557, 53808), (558, 53805), (664, 53550), (690, 53448), (696, 53415), (702, 53394), (729, 53301), (732, 53292), (747, 53229), (765, 53193), (766, 53190), (771, 53175), (796, 53097), (800, 53085), (806, 53064), (822, 53025), (857, 52935), (862, 52917), (864, 52911), (870, 52896), (879, 52872), (881, 52857), (882, 52854), (884, 52842), (892, 52818), (898, 52797), (911, 52770), (922, 52746), (924, 52731),

Gene: George_38 Start: 30595, Stop: 28730, Start Num: 229

Candidate Starts for George_38:

(Start: 229 @30595 has 918 MA's), (261, 30544), (296, 30484), (327, 30421), (341, 30391), (343, 30388), (378, 30331), (382, 30319), (394, 30289), (402, 30262), (448, 30109), (500, 30013), (516, 29965), (550, 29881), (553, 29875), (586, 29803), (598, 29770), (607, 29755), (614, 29743), (664, 29644), (695, 29509), (704, 29479), (705, 29461), (714, 29443), (719, 29422), (723, 29413), (735, 29356), (745, 29317), (758, 29296), (765, 29275), (786, 29209), (802, 29158), (823, 29104), (828, 29095), (840, 29077), (857, 29017), (862, 28999), (891, 28906), (898, 28882), (903, 28870), (947, 28765),

Gene: Georgie2_45 Start: 31311, Stop: 29524, Start Num: 229

Candidate Starts for Georgie2_45:

(98, 31566), (Start: 229 @31311 has 918 MA's), (341, 31107), (343, 31104), (347, 31098), (354, 31083), (365, 31068), (382, 31035), (383, 31032), (394, 31005), (402, 30978), (408, 30957), (418, 30927), (448, 30825), (500, 30732), (516, 30684), (519, 30675), (528, 30660), (553, 30594), (588, 30513), (611, 30465), (614, 30459), (649, 30396), (678, 30321), (695, 30240), (707, 30189), (718, 30156), (719, 30153), (735, 30087), (745, 30048), (758, 30027), (781, 29952), (788, 29934), (802, 29889), (811, 29862), (828, 29826), (837, 29814), (840, 29808), (853, 29772), (857, 29748), (881, 29670), (898, 29613), (903, 29601), (909, 29592),

Gene: Gershwin_38 Start: 28632, Stop: 26767, Start Num: 270

Candidate Starts for Gershwin_38:

(Start: 216 @28719 has 3 MA's), (Start: 270 @28632 has 147 MA's), (Start: 276 @28623 has 5 MA's), (333, 28518), (336, 28509), (353, 28479), (355, 28476), (408, 28356), (412, 28344), (415, 28338), (449, 28233), (456, 28206), (493, 28065), (497, 28059), (498, 28056), (500, 28044), (508, 28017), (509, 28014), (514, 27999), (516, 27993), (518, 27987), (531, 27954), (602, 27825), (629, 27765), (728, 27450), (731, 27441), (732, 27438), (735, 27420), (746, 27378), (748, 27372), (756, 27348), (773, 27291), (820, 27132), (834, 27102), (836, 27093), (854, 27033), (858, 27009), (870, 26970), (879, 26937), (880, 26925), (896, 26865),

Gene: Gervas_59 Start: 54101, Stop: 52284, Start Num: 238

Candidate Starts for Gervas_59:

(124, 54284), (Start: 238 @54101 has 44 MA's), (253, 54071), (347, 53891), (408, 53738), (412, 53726), (422, 53696), (426, 53690), (445, 53627), (447, 53621), (486, 53570), (499, 53534), (516, 53486), (557, 53381), (596, 53285), (627, 53234), (676, 53090), (684, 53051), (691, 53021), (696, 52994), (700, 52982), (727, 52886), (729, 52880), (732, 52871), (734, 52859), (759, 52787), (765, 52757), (771, 52739), (773, 52730), (796, 52661), (800, 52649), (806, 52628), (840, 52559), (849, 52544), (854, 52520), (857, 52499), (864, 52475), (879, 52436), (882, 52418), (884, 52406), (888, 52394), (892, 52382), (908, 52340), (922, 52310),

Gene: Ghoulboy_40 Start: 31108, Stop: 29243, Start Num: 229

Candidate Starts for Ghoulboy_40:

(Start: 229 @31108 has 918 MA's), (261, 31057), (296, 30997), (327, 30934), (341, 30904), (343, 30901), (378, 30844), (394, 30802), (402, 30775), (448, 30622), (500, 30526), (510, 30493), (516, 30478), (550, 30394), (553, 30388), (567, 30355), (607, 30268), (614, 30256), (635, 30217), (664, 30157), (695, 30022), (704, 29992), (705, 29974), (718, 29938), (719, 29935), (735, 29869), (745, 29830), (765, 29788), (771, 29770), (786, 29722), (788, 29716), (802, 29671), (823, 29617), (828, 29608), (840, 29590), (862, 29512), (880, 29455), (891, 29419), (898, 29395), (903, 29383), (956, 29251),

Gene: GiJojo_132 Start: 75350, Stop: 77386, Start Num: 252

Candidate Starts for GiJojo_132:

(143, 75179), (Start: 252 @75350 has 4 MA's), (281, 75416), (292, 75440), (310, 75494), (314, 75506), (329, 75539), (367, 75608), (422, 75770), (424, 75779), (480, 75899), (494, 75953), (496, 75956), (510, 76007), (514, 76019), (536, 76067), (543, 76088), (550, 76109), (566, 76157), (576,

76175), (686, 76481), (697, 76544), (722, 76661), (725, 76679), (758, 76799), (761, 76811), (777, 76871), (780, 76880), (783, 76889), (832, 77033), (837, 77048), (843, 77063), (861, 77147), (862, 77150), (867, 77168), (898, 77294), (921, 77354),

Gene: GiKK_48 Start: 33132, Stop: 30748, Start Num: 39

Candidate Starts for GiKK_48:

(Start: 39 @33132 has 23 MA's), (76, 33018), (83, 32988), (116, 32904), (121, 32880), (160, 32826), (241, 32721), (248, 32706), (266, 32658), (311, 32583), (313, 32577), (315, 32571), (317, 32565), (352, 32496), (366, 32472), (379, 32448), (399, 32391), (405, 32373), (412, 32352), (460, 32205), (489, 32091), (504, 32034), (511, 32013), (513, 32007), (594, 31914), (601, 31902), (634, 31830), (655, 31788), (659, 31776), (693, 31635), (699, 31611), (712, 31560), (735, 31467), (744, 31431), (746, 31425), (748, 31419), (750, 31413), (766, 31356), (771, 31341), (773, 31332), (820, 31173), (830, 31152), (844, 31113), (854, 31074), (857, 31053), (863, 31032), (868, 31020), (873, 31002), (885, 30939), (887, 30933), (896, 30906), (902, 30882), (910, 30861), (944, 30774),

Gene: Gibbous_38 Start: 31347, Stop: 28987, Start Num: 39

Candidate Starts for Gibbous_38:

(31, 31371), (Start: 39 @31347 has 23 MA's), (46, 31332), (53, 31296), (116, 31125), (121, 31101), (Start: 276 @30864 has 5 MA's), (311, 30807), (333, 30768), (342, 30747), (379, 30681), (398, 30627), (405, 30606), (412, 30585), (472, 30387), (483, 30345), (489, 30327), (492, 30309), (506, 30264), (512, 30246), (513, 30243), (544, 30207), (612, 30114), (634, 30069), (650, 30042), (655, 30030), (659, 30018), (693, 29877), (712, 29808), (725, 29757), (732, 29733), (735, 29715), (737, 29706), (744, 29679), (746, 29673), (748, 29667), (750, 29661), (766, 29604), (773, 29580), (783, 29535), (784, 29532), (803, 29469), (844, 29361), (860, 29292), (863, 29280), (871, 29256), (887, 29181), (888, 29178), (896, 29154), (902, 29130), (910, 29109), (920, 29085), (935, 29040), (944, 29022),

Gene: Gilberta_45 Start: 30767, Stop: 28980, Start Num: 229

Candidate Starts for Gilberta_45:

(Start: 229 @30767 has 918 MA's), (341, 30563), (382, 30491), (394, 30461), (402, 30434), (501, 30182), (519, 30131), (553, 30050), (575, 30005), (640, 29864), (667, 29822), (678, 29777), (695, 29696), (707, 29645), (719, 29609), (735, 29543), (758, 29483), (763, 29471), (795, 29369), (802, 29345), (807, 29327), (840, 29264), (852, 29237), (853, 29228), (857, 29204), (898, 29069), (903, 29057), (909, 29048),

Gene: GinPorsche_52 Start: 52983, Stop: 51160, Start Num: 189

Candidate Starts for GinPorsche_52:

(Start: 175 @53001 has 5 MA's), (Start: 189 @52983 has 57 MA's), (Start: 243 @52959 has 2 MA's), (253, 52932), (260, 52917), (267, 52896), (308, 52809), (368, 52704), (386, 52662), (409, 52596), (420, 52566), (422, 52557), (425, 52554), (426, 52551), (434, 52524), (486, 52431), (493, 52413), (499, 52395), (502, 52383), (508, 52368), (512, 52356), (556, 52245), (557, 52242), (570, 52212), (586, 52176), (676, 51951), (677, 51948), (684, 51912), (690, 51888), (696, 51855), (727, 51747), (729, 51741), (731, 51735), (732, 51732), (765, 51633), (766, 51630), (771, 51615), (796, 51537), (800, 51525), (806, 51504), (808, 51495), (822, 51465), (837, 51441), (852, 51408), (857, 51375), (862, 51357), (864, 51351), (879, 51312), (882, 51294), (884, 51282), (892, 51258), (908, 51216), (911, 51210), (922, 51186),

Gene: GingkoMaracino_48 Start: 31739, Stop: 29925, Start Num: 229

Candidate Starts for GingkoMaracino_48:

(Start: 229 @31739 has 918 MA's), (255, 31700), (261, 31688), (341, 31535), (349, 31520), (382, 31463), (402, 31406), (404, 31397), (418, 31355), (432, 31304), (448, 31253), (500, 31160), (516, 31112), (519, 31103), (528, 31088), (543, 31049), (553, 31022), (566, 30992), (607, 30899), (614, 30887), (639, 30839), (649, 30824), (695, 30668), (705, 30620), (719, 30581), (735, 30515), (745,

30476), (766, 30404), (777, 30365), (786, 30341), (792, 30323), (802, 30290), (811, 30263), (840, 30209), (857, 30149), (881, 30071), (898, 30014), (903, 30002), (909, 29993),

Gene: Giraffe_61 Start: 54531, Stop: 52672, Start Num: 197

Candidate Starts for Giraffe_61:

(Start: 175 @54555 has 5 MA's), (Start: 197 @54531 has 267 MA's), (Start: 231 @54507 has 5 MA's), (Start: 243 @54501 has 2 MA's), (260, 54459), (267, 54438), (316, 54324), (319, 54318), (337, 54288), (371, 54228), (381, 54207), (399, 54153), (403, 54141), (409, 54123), (413, 54111), (445, 54006), (486, 53949), (499, 53913), (502, 53901), (512, 53874), (524, 53847), (531, 53829), (539, 53811), (553, 53772), (556, 53763), (557, 53760), (664, 53502), (690, 53400), (696, 53367), (702, 53346), (729, 53253), (732, 53244), (747, 53181), (765, 53145), (766, 53142), (771, 53127), (796, 53049), (800, 53037), (806, 53016), (822, 52977), (857, 52887), (862, 52869), (864, 52863), (870, 52848), (879, 52824), (881, 52809), (882, 52806), (884, 52794), (892, 52770), (911, 52722), (922, 52698),

Gene: Giroux_46 Start: 31554, Stop: 29716, Start Num: 229

Candidate Starts for Giroux_46:

(Start: 229 @31554 has 918 MA's), (261, 31503), (298, 31437), (341, 31350), (378, 31290), (382, 31278), (402, 31221), (404, 31212), (441, 31092), (448, 31068), (500, 30972), (517, 30924), (543, 30864), (569, 30801), (598, 30732), (611, 30711), (650, 30639), (668, 30597), (678, 30555), (695, 30474), (705, 30426), (728, 30351), (735, 30321), (742, 30291), (766, 30210), (777, 30171), (786, 30147), (792, 30129), (840, 30000), (857, 29940), (898, 29805), (903, 29793), (909, 29784),

Gene: Gladiator_45 Start: 29628, Stop: 27787, Start Num: 229

Candidate Starts for Gladiator_45:

(Start: 229 @29628 has 918 MA's), (341, 29424), (382, 29349), (383, 29346), (394, 29319), (398, 29304), (402, 29292), (418, 29241), (444, 29151), (448, 29139), (500, 29046), (512, 29007), (519, 28989), (528, 28974), (553, 28908), (567, 28875), (569, 28872), (615, 28770), (649, 28710), (678, 28626), (695, 28545), (718, 28461), (719, 28458), (723, 28449), (728, 28422), (732, 28410), (735, 28392), (758, 28332), (771, 28293), (853, 28077), (854, 28074), (857, 28053), (898, 27918), (903, 27906), (909, 27897), (911, 27894), (947, 27801),

Gene: Glamour_37 Start: 28723, Stop: 26858, Start Num: 270

Candidate Starts for Glamour_37:

(Start: 270 @28723 has 147 MA's), (296, 28678), (321, 28624), (357, 28564), (384, 28513), (412, 28435), (415, 28429), (429, 28384), (430, 28381), (431, 28378), (443, 28339), (463, 28279), (493, 28156), (498, 28147), (500, 28135), (503, 28123), (509, 28105), (516, 28084), (521, 28072), (610, 27901), (676, 27733), (723, 27568), (731, 27532), (735, 27511), (746, 27469), (773, 27382), (783, 27337), (816, 27238), (834, 27193), (836, 27184), (854, 27124), (858, 27100), (869, 27067), (896, 26956),

Gene: Glass_57 Start: 52601, Stop: 50772, Start Num: 189

Candidate Starts for Glass_57:

(Start: 189 @52601 has 57 MA's), (Start: 243 @52574 has 2 MA's), (254, 52544), (260, 52532), (271, 52505), (273, 52502), (278, 52493), (298, 52475), (343, 52379), (371, 52328), (382, 52304), (434, 52142), (442, 52118), (445, 52106), (486, 52049), (499, 52013), (502, 52001), (511, 51977), (546, 51893), (556, 51863), (557, 51860), (570, 51830), (633, 51686), (659, 51620), (673, 51581), (676, 51569), (679, 51548), (684, 51530), (696, 51473), (715, 51416), (723, 51389), (729, 51359), (732, 51350), (747, 51284), (763, 51257), (765, 51248), (771, 51230), (777, 51206), (796, 51152), (800, 51140), (806, 51119), (840, 51050), (857, 50990), (862, 50972), (875, 50939), (879, 50927), (881, 50912), (882, 50909), (884, 50897), (892, 50873), (893, 50870), (911, 50822), (912, 50819), (922, 50798), (925, 50777),

Gene: GlenHope_59 Start: 53675, Stop: 51858, Start Num: 238

Candidate Starts for GlenHope_59:

(Start: 238 @53675 has 44 MA's), (253, 53645), (347, 53465), (408, 53312), (412, 53300), (422, 53270), (426, 53264), (445, 53201), (447, 53195), (486, 53144), (498, 53117), (499, 53108), (516, 53060), (557, 52955), (596, 52859), (627, 52808), (676, 52664), (684, 52625), (691, 52595), (696, 52568), (700, 52556), (727, 52460), (729, 52454), (732, 52445), (734, 52433), (759, 52361), (765, 52331), (771, 52313), (773, 52304), (796, 52235), (800, 52223), (806, 52202), (840, 52133), (849, 52118), (854, 52094), (857, 52073), (862, 52055), (864, 52049), (877, 52016), (879, 52010), (882, 51992), (884, 51980), (888, 51968), (892, 51956), (908, 51914), (922, 51884),

Gene: Godines_58 Start: 52884, Stop: 51055, Start Num: 189

Candidate Starts for Godines_58:

(Start: 189 @52884 has 57 MA's), (Start: 243 @52857 has 2 MA's), (260, 52815), (271, 52788), (273, 52785), (278, 52776), (298, 52758), (343, 52662), (371, 52611), (382, 52587), (391, 52563), (434, 52425), (442, 52401), (445, 52389), (486, 52332), (499, 52296), (502, 52284), (511, 52260), (546, 52176), (556, 52146), (557, 52143), (570, 52113), (633, 51969), (659, 51903), (673, 51864), (676, 51852), (679, 51831), (684, 51813), (696, 51756), (715, 51699), (723, 51672), (729, 51642), (732, 51633), (747, 51567), (763, 51540), (765, 51531), (771, 51513), (777, 51489), (796, 51435), (800, 51423), (806, 51402), (840, 51333), (857, 51273), (862, 51255), (875, 51222), (879, 51210), (881, 51195), (882, 51192), (884, 51180), (892, 51156), (893, 51153), (911, 51105), (912, 51102), (922, 51081), (925, 51060),

Gene: GodonK_188 Start: 97693, Stop: 95903, Start Num: 239

Candidate Starts for GodonK_188:

(Start: 239 @97693 has 2 MA's), (273, 97615), (295, 97588), (296, 97585), (334, 97507), (361, 97462), (365, 97453), (395, 97393), (396, 97387), (398, 97381), (412, 97339), (432, 97288), (446, 97243), (485, 97192), (501, 97153), (511, 97123), (514, 97114), (532, 97075), (543, 97048), (548, 97033), (578, 96967), (635, 96850), (669, 96790), (676, 96763), (678, 96751), (688, 96709), (695, 96667), (704, 96637), (718, 96580), (719, 96577), (754, 96427), (755, 96424), (764, 96397), (789, 96316), (809, 96253), (815, 96241), (818, 96232), (858, 96112), (868, 96085), (875, 96064), (879, 96052), (898, 95977), (913, 95956), (927, 95926),

Gene: GoldHunter_44 Start: 32554, Stop: 30161, Start Num: 32

Candidate Starts for GoldHunter_44:

(Start: 32 @32554 has 16 MA's), (42, 32548), (Start: 55 @32500 has 1 MA's), (66, 32458), (76, 32434), (116, 32308), (121, 32284), (156, 32239), (186, 32188), (198, 32173), (211, 32152), (251, 32104), (263, 32071), (266, 32062), (311, 31987), (315, 31975), (352, 31906), (371, 31873), (379, 31858), (398, 31804), (399, 31801), (405, 31783), (412, 31762), (432, 31702), (469, 31579), (470, 31573), (489, 31504), (500, 31462), (547, 31375), (570, 31351), (586, 31345), (594, 31321), (599, 31312), (606, 31297), (612, 31285), (633, 31243), (634, 31240), (635, 31237), (685, 31090), (701, 31021), (702, 31015), (712, 30979), (735, 30886), (744, 30850), (746, 30844), (748, 30838), (750, 30832), (766, 30775), (773, 30751), (783, 30706), (896, 30325), (910, 30280), (935, 30211),

Gene: Golden_37 Start: 28582, Stop: 26732, Start Num: 268

Candidate Starts for Golden_37:

(179, 28723), (249, 28633), (Start: 268 @28582 has 18 MA's), (321, 28483), (336, 28459), (355, 28426), (405, 28315), (412, 28294), (415, 28288), (429, 28243), (431, 28237), (479, 28081), (498, 28018), (500, 28006), (509, 27976), (530, 27919), (670, 27625), (728, 27415), (731, 27406), (732, 27403), (735, 27385), (746, 27343), (773, 27256), (854, 26998), (858, 26974), (859, 26971), (869, 26941), (896, 26830),

Gene: Gollum_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for Gollum_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (668, 27168), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: Gompeii16_44 Start: 35183, Stop: 33354, Start Num: 229

Candidate Starts for Gompeii16_44:

(Start: 229 @35183 has 918 MA's), (347, 34970), (354, 34955), (382, 34907), (394, 34877), (397, 34865), (400, 34856), (402, 34850), (404, 34841), (440, 34724), (448, 34697), (500, 34604), (504, 34589), (511, 34568), (516, 34556), (539, 34505), (540, 34502), (566, 34436), (580, 34406), (592, 34376), (614, 34331), (635, 34292), (695, 34112), (705, 34064), (723, 34016), (732, 33977), (735, 33959), (745, 33920), (758, 33899), (765, 33878), (770, 33863), (808, 33740), (875, 33569), (880, 33545), (895, 33497), (898, 33485), (909, 33464), (912, 33458), (928, 33410), (935, 33395),

Gene: Goose_44 Start: 30924, Stop: 29089, Start Num: 229

Candidate Starts for Goose_44:

(Start: 229 @30924 has 918 MA's), (261, 30873), (341, 30720), (354, 30696), (378, 30660), (382, 30648), (400, 30597), (402, 30591), (404, 30582), (429, 30498), (441, 30462), (444, 30450), (447, 30441), (448, 30438), (500, 30345), (517, 30297), (543, 30237), (553, 30210), (564, 30186), (596, 30108), (598, 30105), (611, 30084), (614, 30078), (650, 30012), (668, 29970), (695, 29847), (705, 29799), (728, 29724), (735, 29694), (745, 29655), (766, 29583), (777, 29544), (786, 29520), (788, 29514), (792, 29502), (831, 29394), (857, 29313), (864, 29289), (883, 29226), (898, 29178), (903, 29166), (909, 29157),

Gene: Gophee_62 Start: 54522, Stop: 52663, Start Num: 197

Candidate Starts for Gophee_62:

(Start: 175 @54546 has 5 MA's), (Start: 197 @54522 has 267 MA's), (Start: 231 @54498 has 5 MA's), (Start: 243 @54492 has 2 MA's), (260, 54450), (267, 54429), (316, 54315), (319, 54309), (337, 54279), (371, 54219), (381, 54198), (399, 54144), (403, 54132), (409, 54114), (413, 54102), (445, 53997), (486, 53940), (499, 53904), (502, 53892), (511, 53868), (516, 53856), (524, 53838), (531, 53820), (539, 53802), (553, 53763), (556, 53754), (557, 53751), (558, 53748), (690, 53391), (696, 53358), (702, 53337), (729, 53244), (732, 53235), (747, 53172), (765, 53136), (766, 53133), (771, 53118), (796, 53040), (800, 53028), (806, 53007), (822, 52968), (857, 52878), (862, 52860), (864, 52854), (870, 52839), (879, 52815), (881, 52800), (882, 52797), (884, 52785), (892, 52761), (898, 52740), (911, 52713), (922, 52689),

Gene: Gorgeous_54 Start: 36486, Stop: 34318, Start Num: 218

Candidate Starts for Gorgeous_54:

(215, 36489), (Start: 218 @36486 has 13 MA's), (253, 36432), (291, 36348), (354, 36195), (359, 36186), (382, 36141), (403, 36063), (406, 36054), (411, 36039), (417, 36024), (418, 36021), (434, 35964), (461, 35871), (467, 35829), (523, 35634), (527, 35622), (529, 35616), (539, 35592), (546, 35571), (555, 35550), (559, 35535), (563, 35529), (591, 35466), (614, 35415), (644, 35328), (666, 35268), (678, 35220), (703, 35118), (704, 35112), (709, 35085), (710, 35082), (718, 35061), (729, 35019), (731, 35013), (736, 34989), (743, 34947), (744, 34944), (752, 34917), (760, 34884), (764, 34872), (774, 34836), (781, 34812), (783, 34806), (786, 34800), (803, 34746), (822, 34698), (823, 34695), (848, 34635), (853, 34611), (859, 34581), (876, 34527), (895, 34458), (898, 34446), (911, 34407),

Gene: Graduation_48 Start: 36333, Stop: 34516, Start Num: 229

Candidate Starts for Graduation_48:

(Start: 229 @36333 has 918 MA's), (347, 36120), (354, 36105), (394, 36027), (400, 36006), (402, 36000), (404, 35991), (440, 35874), (448, 35847), (500, 35754), (504, 35739), (516, 35706), (539, 35655), (540, 35652), (566, 35586), (580, 35556), (592, 35526), (614, 35481), (635, 35442), (695, 35262), (705, 35214), (719, 35175), (735, 35109), (745, 35070), (758, 35049), (765, 35028), (771, 35010), (792, 34944), (853, 34794), (854, 34791), (861, 34755), (870, 34731), (874, 34722), (878, 34710), (898, 34635), (909, 34614),

Gene: Grand2040_60 Start: 54525, Stop: 52666, Start Num: 197

Candidate Starts for Grand2040_60:

(Start: 175 @54549 has 5 MA's), (Start: 197 @54525 has 267 MA's), (Start: 231 @54501 has 5 MA's), (Start: 243 @54495 has 2 MA's), (260, 54453), (267, 54432), (316, 54318), (319, 54312), (337, 54282), (371, 54222), (381, 54201), (399, 54147), (403, 54135), (409, 54117), (413, 54105), (445, 54000), (486, 53943), (499, 53907), (502, 53895), (511, 53871), (516, 53859), (524, 53841), (531, 53823), (539, 53805), (553, 53766), (556, 53757), (557, 53754), (558, 53751), (664, 53496), (690, 53394), (696, 53361), (702, 53340), (729, 53247), (732, 53238), (747, 53175), (765, 53139), (766, 53136), (771, 53121), (796, 53043), (800, 53031), (806, 53010), (822, 52971), (857, 52881), (862, 52863), (864, 52857), (870, 52842), (879, 52818), (881, 52803), (882, 52800), (884, 52788), (892, 52764), (898, 52743), (911, 52716), (922, 52692),

Gene: GrecoEtereo_45 Start: 34806, Stop: 32980, Start Num: 229

Candidate Starts for GrecoEtereo_45:

(Start: 229 @34806 has 918 MA's), (347, 34593), (354, 34578), (382, 34530), (394, 34500), (400, 34479), (402, 34473), (404, 34464), (440, 34347), (448, 34320), (500, 34227), (504, 34212), (516, 34179), (539, 34128), (540, 34125), (566, 34059), (580, 34029), (592, 33999), (614, 33954), (635, 33915), (695, 33735), (705, 33687), (719, 33648), (735, 33582), (745, 33543), (758, 33522), (765, 33501), (771, 33483), (792, 33417), (853, 33267), (854, 33264), (861, 33228), (870, 33204), (874, 33195), (878, 33183), (898, 33108), (909, 33087),

Gene: GreedyLawyer_45 Start: 29627, Stop: 27786, Start Num: 229

Candidate Starts for GreedyLawyer_45:

(Start: 229 @29627 has 918 MA's), (341, 29423), (382, 29348), (383, 29345), (394, 29318), (398, 29303), (402, 29291), (418, 29240), (444, 29150), (448, 29138), (500, 29045), (512, 29006), (519, 28988), (528, 28973), (553, 28907), (567, 28874), (569, 28871), (615, 28769), (649, 28709), (678, 28625), (695, 28544), (718, 28460), (719, 28457), (723, 28448), (728, 28421), (735, 28391), (758, 28331), (771, 28292), (853, 28076), (854, 28073), (857, 28052), (898, 27917), (903, 27905), (909, 27896), (911, 27893), (947, 27800),

Gene: Greenlvy_37 Start: 27580, Stop: 25715, Start Num: 270

Candidate Starts for Greenlvy_37:

(Start: 270 @27580 has 147 MA's), (274, 27574), (326, 27475), (333, 27466), (344, 27442), (353, 27427), (357, 27421), (384, 27370), (386, 27367), (415, 27286), (463, 27136), (465, 27133), (489, 27034), (497, 27007), (498, 27004), (500, 26992), (509, 26962), (516, 26941), (530, 26905), (610, 26758), (678, 26578), (728, 26398), (735, 26368), (750, 26314), (757, 26296), (773, 26239), (781, 26212), (790, 26170), (834, 26050), (836, 26041), (854, 25981), (858, 25957), (861, 25945), (864, 25936), (870, 25918), (879, 25885), (896, 25813),

Gene: Greg_47 Start: 35124, Stop: 33337, Start Num: 229

Candidate Starts for Greg_47:

(Start: 229 @35124 has 918 MA's), (347, 34911), (354, 34896), (382, 34848), (394, 34818), (400, 34797), (402, 34791), (404, 34782), (440, 34665), (448, 34638), (500, 34545), (504, 34530), (516, 34497), (539, 34446), (540, 34443), (566, 34377), (580, 34347), (592, 34317), (614, 34272), (635, 34233), (695, 34053), (705, 34005), (719, 33966), (735, 33900), (763, 33828), (765, 33819), (792, 33735), (823, 33648), (870, 33522), (875, 33510), (898, 33426), (901, 33420),

Gene: Gretchen_48 Start: 32640, Stop: 34505, Start Num: 227

Candidate Starts for Gretchen_48:

(142, 32514), (Start: 178 @32583 has 1 MA's), (Start: 227 @32640 has 8 MA's), (394, 32937), (437, 33081), (501, 33234), (543, 33342), (553, 33369), (581, 33429), (607, 33489), (611, 33495), (640, 33552), (643, 33558), (678, 33672), (695, 33753), (712, 33816), (726, 33870), (728, 33876), (779, 34053), (786, 34071), (789, 34080), (793, 34092), (823, 34176), (862, 34284), (879, 34329), (898, 34401), (930, 34479), (942, 34500),

Gene: Greys_39 Start: 28932, Stop: 27067, Start Num: 270

Candidate Starts for Greys_39:

(Start: 216 @29019 has 3 MA's), (219, 29016), (Start: 270 @28932 has 147 MA's), (Start: 276 @28923 has 5 MA's), (333, 28818), (336, 28809), (353, 28779), (355, 28776), (408, 28656), (412, 28644), (415, 28638), (449, 28533), (456, 28506), (493, 28365), (498, 28356), (500, 28344), (508, 28317), (509, 28314), (514, 28299), (516, 28293), (518, 28287), (531, 28254), (629, 28065), (728, 27750), (731, 27741), (732, 27738), (735, 27720), (746, 27678), (748, 27672), (756, 27648), (773, 27591), (820, 27432), (834, 27402), (836, 27393), (854, 27333), (858, 27309), (870, 27270), (879, 27237), (880, 27225), (896, 27165),

Gene: Grif_48 Start: 31927, Stop: 30113, Start Num: 229

Candidate Starts for Grif_48:

(Start: 229 @31927 has 918 MA's), (255, 31888), (261, 31876), (341, 31723), (349, 31708), (382, 31651), (402, 31594), (404, 31585), (418, 31543), (432, 31492), (448, 31441), (500, 31348), (516, 31300), (519, 31291), (528, 31276), (543, 31237), (553, 31210), (566, 31180), (607, 31087), (614, 31075), (639, 31027), (649, 31012), (695, 30856), (719, 30769), (732, 30721), (735, 30703), (745, 30664), (766, 30592), (777, 30553), (786, 30529), (792, 30511), (802, 30478), (811, 30451), (840, 30397), (857, 30337), (881, 30259), (898, 30202), (903, 30190), (909, 30181),

Gene: Groundhog_41 Start: 30507, Stop: 28663, Start Num: 229

Candidate Starts for Groundhog_41:

(128, 30672), (Start: 229 @30507 has 918 MA's), (261, 30456), (327, 30333), (341, 30303), (365, 30264), (382, 30231), (394, 30201), (400, 30180), (402, 30174), (404, 30165), (418, 30123), (432, 30072), (447, 30024), (448, 30021), (500, 29925), (508, 29898), (514, 29880), (516, 29877), (519, 29868), (543, 29814), (553, 29787), (576, 29739), (598, 29682), (614, 29655), (640, 29604), (650, 29589), (692, 29442), (695, 29421), (704, 29391), (705, 29373), (707, 29370), (714, 29355), (719, 29334), (723, 29325), (728, 29298), (732, 29286), (735, 29268), (765, 29187), (769, 29175), (786, 29121), (798, 29085), (823, 29016), (837, 28995), (840, 28989), (854, 28950), (857, 28929), (862, 28911), (898, 28794), (903, 28782),

Gene: Groupthink_49 Start: 31753, Stop: 29939, Start Num: 229

Candidate Starts for Groupthink_49:

(Start: 229 @31753 has 918 MA's), (255, 31714), (261, 31702), (341, 31549), (349, 31534), (382, 31477), (402, 31420), (404, 31411), (418, 31369), (432, 31318), (448, 31267), (500, 31174), (516, 31126), (528, 31102), (543, 31063), (553, 31036), (566, 31006), (607, 30913), (614, 30901), (639, 30853), (649, 30838), (695, 30682), (707, 30631), (718, 30598), (719, 30595), (735, 30529), (745, 30490), (766, 30418), (777, 30379), (786, 30355), (792, 30337), (802, 30304), (840, 30223), (857, 30163), (862, 30145), (881, 30085), (883, 30076), (898, 30028), (903, 30016), (909, 30007),

Gene: Grub_48 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for Grub_48:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614,

30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: Grum1_48 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for Grum1_48:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Gruunaga_45 Start: 29627, Stop: 27786, Start Num: 229

Candidate Starts for Gruunaga_45:

(Start: 203 @29657 has 1 MA's), (Start: 229 @29627 has 918 MA's), (341, 29423), (382, 29348), (383, 29345), (394, 29318), (398, 29303), (402, 29291), (418, 29240), (444, 29150), (448, 29138), (500, 29045), (512, 29006), (519, 28988), (528, 28973), (553, 28907), (567, 28874), (569, 28871), (615, 28769), (649, 28709), (678, 28625), (695, 28544), (718, 28460), (719, 28457), (723, 28448), (728, 28421), (732, 28409), (735, 28391), (758, 28331), (771, 28292), (853, 28076), (854, 28073), (857, 28052), (898, 27917), (903, 27905), (909, 27896), (911, 27893), (947, 27800),

Gene: GtownJaz_48 Start: 31854, Stop: 30040, Start Num: 229

Candidate Starts for GtownJaz_48:

(Start: 229 @31854 has 918 MA's), (255, 31815), (261, 31803), (341, 31650), (349, 31635), (382, 31578), (402, 31521), (404, 31512), (418, 31470), (432, 31419), (448, 31368), (500, 31275), (516, 31227), (519, 31218), (528, 31203), (543, 31164), (553, 31137), (566, 31107), (607, 31014), (614, 31002), (639, 30954), (649, 30939), (695, 30783), (719, 30696), (732, 30648), (735, 30630), (745, 30591), (766, 30519), (777, 30480), (786, 30456), (792, 30438), (802, 30405), (811, 30378), (840, 30324), (857, 30264), (881, 30186), (898, 30129), (903, 30117), (909, 30108),

Gene: Gubbabump_38 Start: 28612, Stop: 26747, Start Num: 270

Candidate Starts for Gubbabump_38:

(Start: 216 @28699 has 3 MA's), (219, 28696), (Start: 270 @28612 has 147 MA's), (Start: 276 @28603 has 5 MA's), (333, 28498), (336, 28489), (353, 28459), (355, 28456), (408, 28336), (412, 28324), (415, 28318), (449, 28213), (456, 28186), (493, 28045), (497, 28039), (498, 28036), (500, 28024), (508, 27997), (509, 27994), (514, 27979), (516, 27973), (518, 27967), (531, 27934), (602, 27805), (629, 27745), (728, 27430), (731, 27421), (732, 27418), (735, 27400), (746, 27358), (748, 27352), (751, 27343), (756, 27328), (773, 27271), (820, 27112), (834, 27082), (836, 27073), (854, 27013), (858, 26989), (870, 26950), (879, 26917), (880, 26905), (896, 26845),

Gene: Guetzie_37 Start: 28567, Stop: 26717, Start Num: 268

Candidate Starts for Guetzie_37:

(179, 28708), (249, 28618), (Start: 268 @28567 has 18 MA's), (321, 28468), (336, 28444), (355, 28411), (405, 28300), (412, 28279), (415, 28273), (429, 28228), (431, 28222), (479, 28066), (498, 28003), (500, 27991), (509, 27961), (530, 27904), (670, 27610), (728, 27400), (731, 27391), (732, 27388), (735, 27370), (746, 27328), (773, 27241), (854, 26983), (858, 26959), (859, 26956), (869, 26926), (896, 26815),

Gene: GurpleFerb_36 Start: 31888, Stop: 30143, Start Num: 257

Candidate Starts for GurpleFerb_36:

(247, 31915), (Start: 257 @31888 has 6 MA's), (259, 31885), (272, 31852), (274, 31846), (321, 31753), (339, 31720), (354, 31693), (414, 31558), (453, 31429), (481, 31423), (487, 31399), (495,

31384), (502, 31357), (512, 31327), (543, 31246), (546, 31237), (573, 31177), (583, 31156), (637, 31042), (645, 31024), (745, 30646), (758, 30628), (778, 30562), (783, 30547), (861, 30328), (875, 30286), (898, 30202), (912, 30169),

Gene: Gustav_47 Start: 36228, Stop: 33886, Start Num: 4

Candidate Starts for Gustav_47:

(1, 36366), (Start: 4 @36228 has 5 MA's), (24, 36123), (28, 36099), (43, 36045), (51, 36018), (54, 36006), (64, 35973), (74, 35946), (85, 35904), (89, 35886), (99, 35862), (109, 35823), (119, 35808), (125, 35784), (170, 35772), (273, 35610), (300, 35577), (303, 35562), (391, 35388), (399, 35361), (401, 35355), (418, 35310), (426, 35289), (443, 35232), (445, 35226), (448, 35217), (478, 35199), (481, 35193), (499, 35136), (544, 35022), (546, 35016), (547, 35013), (557, 34983), (570, 34953), (627, 34833), (671, 34707), (676, 34689), (682, 34659), (684, 34650), (696, 34593), (715, 34536), (723, 34512), (727, 34488), (729, 34482), (747, 34410), (763, 34383), (765, 34374), (766, 34371), (771, 34356), (777, 34332), (786, 34308), (796, 34278), (800, 34266), (806, 34245), (835, 34185), (848, 34152), (852, 34137), (864, 34080), (881, 34026), (882, 34023), (888, 33999), (892, 33987), (911, 33936), (922, 33912),

Gene: Gwendoluna_47 Start: 36544, Stop: 34718, Start Num: 229

Candidate Starts for Gwendoluna_47:

(Start: 229 @36544 has 918 MA's), (347, 36331), (354, 36316), (382, 36268), (394, 36238), (400, 36217), (402, 36211), (404, 36202), (440, 36085), (448, 36058), (500, 35965), (504, 35950), (516, 35917), (539, 35866), (540, 35863), (566, 35797), (580, 35767), (592, 35737), (614, 35692), (635, 35653), (695, 35473), (705, 35425), (719, 35386), (735, 35320), (745, 35281), (758, 35260), (765, 35239), (771, 35221), (792, 35155), (853, 35005), (854, 35002), (861, 34966), (870, 34942), (874, 34933), (878, 34921), (898, 34846), (909, 34825),

Gene: Gwilliam_62 Start: 54930, Stop: 53071, Start Num: 197

Candidate Starts for Gwilliam_62:

(Start: 175 @54954 has 5 MA's), (Start: 197 @54930 has 267 MA's), (Start: 231 @54906 has 5 MA's), (Start: 243 @54900 has 2 MA's), (260, 54858), (267, 54837), (316, 54723), (319, 54717), (337, 54687), (371, 54627), (381, 54606), (399, 54552), (403, 54540), (409, 54522), (413, 54510), (445, 54405), (486, 54348), (499, 54312), (502, 54300), (512, 54273), (524, 54246), (531, 54228), (539, 54210), (553, 54171), (556, 54162), (557, 54159), (690, 53799), (696, 53766), (702, 53745), (729, 53652), (732, 53643), (747, 53580), (765, 53544), (766, 53541), (771, 53526), (796, 53448), (800, 53436), (806, 53415), (822, 53376), (857, 53286), (862, 53268), (864, 53262), (870, 53247), (879, 53223), (881, 53208), (882, 53205), (884, 53193), (892, 53169), (911, 53121), (922, 53097),

Gene: Gyarad_0059 Start: 53612, Stop: 51753, Start Num: 197

Candidate Starts for Gyarad_0059:

(Start: 175 @53636 has 5 MA's), (Start: 197 @53612 has 267 MA's), (Start: 231 @53588 has 5 MA's), (Start: 243 @53582 has 2 MA's), (260, 53540), (267, 53519), (316, 53405), (319, 53399), (337, 53369), (371, 53309), (381, 53288), (399, 53234), (403, 53222), (409, 53204), (413, 53192), (445, 53087), (486, 53030), (499, 52994), (502, 52982), (512, 52955), (516, 52946), (531, 52910), (553, 52853), (556, 52844), (557, 52841), (558, 52838), (690, 52481), (696, 52448), (702, 52427), (729, 52334), (732, 52325), (747, 52262), (765, 52226), (766, 52223), (771, 52208), (796, 52130), (800, 52118), (806, 52097), (822, 52058), (857, 51968), (862, 51950), (864, 51944), (870, 51929), (879, 51905), (881, 51890), (882, 51887), (884, 51875), (892, 51851), (911, 51803), (922, 51779),

Gene: Gyzlar_41 Start: 32798, Stop: 30972, Start Num: 229

Candidate Starts for Gyzlar_41:

(Start: 229 @32798 has 918 MA's), (347, 32585), (354, 32570), (382, 32522), (394, 32492), (400, 32471), (402, 32465), (404, 32456), (440, 32339), (448, 32312), (500, 32219), (504, 32204), (516, 32171), (539, 32120), (540, 32117), (566, 32051), (580, 32021), (592, 31991), (614, 31946), (635,

31907), (695, 31727), (705, 31679), (719, 31640), (735, 31574), (745, 31535), (758, 31514), (765, 31493), (771, 31475), (792, 31409), (853, 31259), (854, 31256), (861, 31220), (870, 31196), (874, 31187), (878, 31175), (883, 31148), (898, 31100), (909, 31079),

Gene: HINdeR_41 Start: 32902, Stop: 31064, Start Num: 229

Candidate Starts for HINdeR_41:

(Start: 229 @32902 has 918 MA's), (250, 32881), (296, 32791), (327, 32728), (347, 32689), (369, 32653), (402, 32569), (408, 32548), (432, 32467), (444, 32428), (448, 32416), (498, 32332), (500, 32320), (508, 32293), (514, 32275), (517, 32272), (528, 32251), (543, 32212), (584, 32119), (596, 32083), (598, 32080), (611, 32059), (650, 31987), (659, 31966), (695, 31822), (705, 31774), (714, 31756), (723, 31726), (732, 31687), (735, 31669), (745, 31630), (765, 31561), (766, 31558), (777, 31519), (792, 31477), (793, 31474), (802, 31444), (837, 31354), (840, 31348), (857, 31288), (862, 31270), (875, 31237), (881, 31210), (898, 31153), (903, 31141), (909, 31132),

Gene: HSavage_59 Start: 54056, Stop: 52197, Start Num: 197

Candidate Starts for HSavage_59:

(Start: 175 @54080 has 5 MA's), (Start: 197 @54056 has 267 MA's), (Start: 231 @54032 has 5 MA's), (Start: 243 @54026 has 2 MA's), (260, 53984), (267, 53963), (316, 53849), (319, 53843), (337, 53813), (371, 53753), (381, 53732), (399, 53678), (403, 53666), (409, 53648), (413, 53636), (445, 53531), (486, 53474), (499, 53438), (502, 53426), (512, 53399), (531, 53354), (553, 53297), (556, 53288), (557, 53285), (558, 53282), (664, 53027), (690, 52925), (696, 52892), (702, 52871), (729, 52778), (732, 52769), (747, 52706), (765, 52670), (766, 52667), (771, 52652), (796, 52574), (800, 52562), (806, 52541), (822, 52502), (857, 52412), (862, 52394), (864, 52388), (870, 52373), (879, 52349), (881, 52334), (882, 52331), (884, 52319), (892, 52295), (911, 52247), (922, 52223),

Gene: Haimas_59 Start: 53973, Stop: 52114, Start Num: 197

Candidate Starts for Haimas_59:

(Start: 175 @53997 has 5 MA's), (Start: 197 @53973 has 267 MA's), (Start: 231 @53949 has 5 MA's), (Start: 243 @53943 has 2 MA's), (260, 53901), (267, 53880), (316, 53766), (319, 53760), (337, 53730), (371, 53670), (381, 53649), (399, 53595), (403, 53583), (409, 53565), (413, 53553), (445, 53448), (486, 53391), (499, 53355), (502, 53343), (512, 53316), (524, 53289), (531, 53271), (539, 53253), (553, 53214), (556, 53205), (557, 53202), (558, 53199), (664, 52944), (690, 52842), (696, 52809), (702, 52788), (729, 52695), (732, 52686), (747, 52623), (765, 52587), (766, 52584), (771, 52569), (796, 52491), (800, 52479), (806, 52458), (822, 52419), (857, 52329), (862, 52311), (864, 52305), (870, 52290), (879, 52266), (881, 52251), (882, 52248), (884, 52236), (892, 52212), (911, 52164), (922, 52140),

Gene: Haleema_59 Start: 54071, Stop: 52212, Start Num: 197

Candidate Starts for Haleema_59:

(Start: 175 @54095 has 5 MA's), (Start: 197 @54071 has 267 MA's), (Start: 231 @54047 has 5 MA's), (Start: 243 @54041 has 2 MA's), (260, 53999), (267, 53978), (316, 53864), (319, 53858), (337, 53828), (371, 53768), (381, 53747), (399, 53693), (403, 53681), (409, 53663), (413, 53651), (445, 53546), (486, 53489), (499, 53453), (502, 53441), (511, 53417), (516, 53405), (524, 53387), (531, 53369), (539, 53351), (553, 53312), (556, 53303), (557, 53300), (558, 53297), (690, 52940), (696, 52907), (702, 52886), (729, 52793), (732, 52784), (747, 52721), (765, 52685), (766, 52682), (771, 52667), (796, 52589), (800, 52577), (806, 52556), (822, 52517), (857, 52427), (862, 52409), (864, 52403), (870, 52388), (879, 52364), (881, 52349), (882, 52346), (884, 52334), (892, 52310), (911, 52262), (922, 52238),

Gene: Halfpint_57 Start: 53415, Stop: 51598, Start Num: 238

Candidate Starts for Halfpint_57:

(124, 53598), (Start: 238 @53415 has 44 MA's), (253, 53385), (347, 53205), (408, 53052), (412, 53040), (422, 53010), (426, 53004), (445, 52941), (447, 52935), (486, 52884), (499, 52848), (516,

52800), (557, 52695), (596, 52599), (627, 52548), (676, 52404), (684, 52365), (691, 52335), (696, 52308), (700, 52296), (727, 52200), (729, 52194), (732, 52185), (734, 52173), (759, 52101), (765, 52071), (771, 52053), (773, 52044), (796, 51975), (800, 51963), (806, 51942), (840, 51873), (849, 51858), (854, 51834), (857, 51813), (862, 51795), (864, 51789), (879, 51750), (882, 51732), (884, 51720), (892, 51696), (908, 51654), (922, 51624),

Gene: Hally898_52 Start: 52998, Stop: 51175, Start Num: 189

Candidate Starts for Hally898_52:

(Start: 175 @53016 has 5 MA's), (Start: 189 @52998 has 57 MA's), (Start: 243 @52974 has 2 MA's), (253, 52947), (260, 52932), (267, 52911), (308, 52824), (368, 52719), (386, 52677), (409, 52611), (420, 52581), (422, 52572), (425, 52569), (426, 52566), (434, 52539), (486, 52446), (493, 52428), (499, 52410), (502, 52398), (508, 52383), (512, 52371), (556, 52260), (557, 52257), (570, 52227), (586, 52191), (676, 51966), (677, 51963), (684, 51927), (690, 51903), (696, 51870), (727, 51762), (729, 51756), (731, 51750), (732, 51747), (765, 51648), (766, 51645), (771, 51630), (796, 51552), (800, 51540), (806, 51519), (808, 51510), (822, 51480), (837, 51456), (852, 51423), (857, 51390), (862, 51372), (864, 51366), (879, 51327), (882, 51309), (884, 51297), (892, 51273), (908, 51231), (911, 51225), (922, 51201),

Gene: Halsey_49 Start: 27738, Stop: 29720, Start Num: 229

Candidate Starts for Halsey_49:

(Start: 229 @27738 has 918 MA's), (327, 27912), (341, 27942), (368, 27975), (383, 28008), (408, 28083), (417, 28110), (483, 28311), (543, 28485), (611, 28641), (669, 28779), (689, 28866), (695, 28899), (704, 28929), (719, 28986), (735, 29052), (764, 29145), (857, 29412), (864, 29436), (898, 29547),

Gene: HamSlice_44 Start: 31568, Stop: 29742, Start Num: 229

Candidate Starts for HamSlice_44:

(Start: 229 @31568 has 918 MA's), (250, 31547), (261, 31517), (273, 31487), (365, 31325), (376, 31307), (402, 31235), (404, 31226), (441, 31106), (448, 31082), (500, 30989), (517, 30941), (528, 30920), (543, 30881), (598, 30749), (611, 30728), (635, 30683), (640, 30671), (692, 30518), (695, 30497), (728, 30374), (735, 30344), (745, 30305), (765, 30239), (766, 30236), (771, 30221), (777, 30197), (786, 30173), (857, 29966), (898, 29831), (903, 29819), (909, 29810),

Gene: Hami1_39 Start: 29239, Stop: 27413, Start Num: 229

Candidate Starts for Hami1_39:

(Start: 229 @29239 has 918 MA's), (347, 29026), (354, 29011), (382, 28963), (394, 28933), (400, 28912), (402, 28906), (404, 28897), (440, 28780), (448, 28753), (500, 28660), (504, 28645), (516, 28612), (539, 28561), (540, 28558), (566, 28492), (580, 28462), (592, 28432), (614, 28387), (635, 28348), (695, 28168), (704, 28138), (705, 28120), (719, 28081), (735, 28015), (765, 27934), (766, 27931), (792, 27850), (853, 27700), (854, 27697), (861, 27661), (870, 27637), (874, 27628), (878, 27616), (898, 27541), (909, 27520),

Gene: Hamish_59 Start: 53967, Stop: 52108, Start Num: 197

Candidate Starts for Hamish_59:

(Start: 175 @53991 has 5 MA's), (Start: 197 @53967 has 267 MA's), (Start: 231 @53943 has 5 MA's), (Start: 243 @53937 has 2 MA's), (260, 53895), (267, 53874), (316, 53760), (319, 53754), (337, 53724), (371, 53664), (381, 53643), (399, 53589), (403, 53577), (409, 53559), (413, 53547), (445, 53442), (486, 53385), (499, 53349), (502, 53337), (512, 53310), (524, 53283), (531, 53265), (539, 53247), (553, 53208), (556, 53199), (557, 53196), (558, 53193), (664, 52938), (690, 52836), (696, 52803), (702, 52782), (729, 52689), (732, 52680), (747, 52617), (765, 52581), (766, 52578), (771, 52563), (796, 52485), (800, 52473), (806, 52452), (822, 52413), (857, 52323), (862, 52305), (864, 52299), (870, 52284), (879, 52260), (881, 52245), (882, 52242), (884, 52230), (892, 52206), (911, 52158), (922, 52134),

Gene: Hamlet_38 Start: 29064, Stop: 27199, Start Num: 270

Candidate Starts for Hamlet_38:

(Start: 270 @29064 has 147 MA's), (Start: 276 @29055 has 5 MA's), (407, 28791), (412, 28776), (415, 28770), (456, 28638), (471, 28584), (493, 28497), (498, 28488), (500, 28476), (508, 28449), (509, 28446), (514, 28431), (516, 28425), (530, 28389), (547, 28344), (629, 28197), (670, 28095), (728, 27882), (732, 27870), (735, 27852), (746, 27810), (757, 27780), (773, 27723), (820, 27564), (834, 27534), (854, 27465), (858, 27441), (870, 27402), (880, 27357),

Gene: Hammer_47 Start: 29790, Stop: 27991, Start Num: 229

Candidate Starts for Hammer_47:

(Start: 229 @29790 has 918 MA's), (341, 29586), (347, 29577), (382, 29511), (383, 29508), (394, 29481), (398, 29466), (402, 29454), (418, 29403), (444, 29313), (448, 29301), (500, 29208), (516, 29160), (519, 29151), (595, 28968), (673, 28818), (695, 28713), (707, 28656), (719, 28620), (723, 28611), (728, 28584), (735, 28554), (745, 28515), (758, 28494), (769, 28461), (771, 28455), (802, 28356), (828, 28293), (853, 28239), (857, 28215), (877, 28158), (898, 28080), (903, 28068), (909, 28059), (911, 28056),

Gene: HanShotFirst_43 Start: 33831, Stop: 32005, Start Num: 229

Candidate Starts for HanShotFirst_43:

(Start: 229 @33831 has 918 MA's), (347, 33618), (354, 33603), (382, 33555), (394, 33525), (400, 33504), (402, 33498), (404, 33489), (440, 33372), (448, 33345), (500, 33252), (504, 33237), (516, 33204), (539, 33153), (540, 33150), (566, 33084), (580, 33054), (592, 33024), (614, 32979), (635, 32940), (695, 32760), (705, 32712), (719, 32673), (735, 32607), (745, 32568), (758, 32547), (765, 32526), (771, 32508), (792, 32442), (853, 32292), (854, 32289), (861, 32253), (870, 32229), (874, 32220), (878, 32208), (898, 32133), (909, 32112),

Gene: HanSolo_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for HanSolo_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: Hangman_53 Start: 54053, Stop: 52230, Start Num: 189

Candidate Starts for Hangman_53:

(Start: 175 @54071 has 5 MA's), (Start: 189 @54053 has 57 MA's), (Start: 243 @54029 has 2 MA's), (253, 54002), (260, 53987), (267, 53966), (308, 53879), (368, 53774), (381, 53747), (386, 53732), (409, 53666), (420, 53636), (422, 53627), (425, 53624), (426, 53621), (434, 53594), (486, 53501), (493, 53483), (499, 53465), (502, 53453), (512, 53426), (539, 53363), (553, 53324), (556, 53315), (557, 53312), (570, 53282), (586, 53246), (676, 53021), (677, 53018), (684, 52982), (690, 52958), (696, 52925), (727, 52817), (729, 52811), (732, 52802), (765, 52703), (766, 52700), (771, 52685), (796, 52607), (800, 52595), (806, 52574), (808, 52565), (822, 52535), (852, 52478), (857, 52445), (864, 52421), (879, 52382), (882, 52364), (884, 52352), (892, 52328), (908, 52286), (911, 52280), (922, 52256),

Gene: HankSprout_39 Start: 28499, Stop: 26634, Start Num: 270

Candidate Starts for HankSprout_39:

(Start: 216 @28586 has 3 MA's), (219, 28583), (Start: 270 @28499 has 147 MA's), (Start: 276 @28490 has 5 MA's), (333, 28385), (336, 28376), (353, 28346), (355, 28343), (408, 28223), (412,

28211), (415, 28205), (449, 28100), (456, 28073), (493, 27932), (497, 27926), (498, 27923), (500, 27911), (508, 27884), (509, 27881), (514, 27866), (516, 27860), (518, 27854), (531, 27821), (602, 27692), (629, 27632), (728, 27317), (731, 27308), (732, 27305), (735, 27287), (746, 27245), (748, 27239), (751, 27230), (756, 27215), (773, 27158), (820, 26999), (834, 26969), (836, 26960), (854, 26900), (858, 26876), (870, 26837), (879, 26804), (880, 26792), (896, 26732),

Gene: Hanray_43 Start: 31494, Stop: 29701, Start Num: 229

Candidate Starts for Hanray_43:

(Start: 229 @31494 has 918 MA's), (Start: 244 @31485 has 1 MA's), (261, 31443), (325, 31323), (327, 31320), (350, 31272), (383, 31212), (395, 31182), (398, 31170), (402, 31158), (448, 31005), (500, 30912), (553, 30774), (566, 30744), (640, 30585), (649, 30573), (666, 30546), (692, 30438), (695, 30417), (732, 30282), (735, 30264), (765, 30183), (777, 30141), (802, 30066), (837, 29991), (853, 29949), (881, 29847), (898, 29790), (903, 29778), (909, 29769),

Gene: Happiness_44 Start: 31575, Stop: 29749, Start Num: 229

Candidate Starts for Happiness_44:

(Start: 229 @31575 has 918 MA's), (250, 31554), (261, 31524), (273, 31494), (365, 31332), (376, 31314), (402, 31242), (404, 31233), (441, 31113), (448, 31089), (500, 30996), (517, 30948), (528, 30927), (543, 30888), (598, 30756), (611, 30735), (635, 30690), (640, 30678), (692, 30525), (695, 30504), (728, 30381), (735, 30351), (745, 30312), (765, 30246), (766, 30243), (771, 30228), (777, 30204), (786, 30180), (857, 29973), (898, 29838), (903, 29826), (909, 29817),

Gene: Harlequin_36 Start: 28118, Stop: 26334, Start Num: 229

Candidate Starts for Harlequin_36:

(Start: 229 @28118 has 918 MA's), (361, 27884), (378, 27854), (381, 27845), (382, 27842), (398, 27797), (402, 27785), (418, 27734), (448, 27632), (477, 27611), (500, 27539), (516, 27491), (543, 27428), (553, 27401), (598, 27296), (614, 27269), (635, 27230), (695, 27050), (705, 27002), (735, 26897), (736, 26894), (758, 26837), (765, 26816), (804, 26693), (837, 26624), (853, 26582), (857, 26558), (881, 26480), (898, 26423), (903, 26411), (925, 26354),

Gene: HarryHoudini_45 Start: 31805, Stop: 30018, Start Num: 229

Candidate Starts for HarryHoudini_45:

(Start: 229 @31805 has 918 MA's), (341, 31601), (343, 31598), (347, 31592), (365, 31562), (382, 31529), (383, 31526), (394, 31499), (402, 31472), (408, 31451), (418, 31421), (448, 31319), (500, 31226), (516, 31178), (519, 31169), (528, 31154), (553, 31088), (588, 31007), (611, 30959), (678, 30815), (695, 30734), (707, 30683), (718, 30650), (735, 30581), (745, 30542), (758, 30521), (765, 30500), (769, 30488), (837, 30308), (840, 30302), (853, 30266), (857, 30242), (881, 30164), (898, 30107), (903, 30095),

Gene: HarryOW_43 Start: 33978, Stop: 32152, Start Num: 229

Candidate Starts for HarryOW_43:

(Start: 229 @33978 has 918 MA's), (347, 33765), (354, 33750), (382, 33702), (394, 33672), (400, 33651), (402, 33645), (404, 33636), (440, 33519), (448, 33492), (500, 33399), (504, 33384), (516, 33351), (539, 33300), (540, 33297), (566, 33231), (580, 33201), (592, 33171), (614, 33126), (635, 33087), (695, 32907), (705, 32859), (719, 32820), (735, 32754), (745, 32715), (758, 32694), (765, 32673), (771, 32655), (792, 32589), (853, 32439), (854, 32436), (861, 32400), (870, 32376), (874, 32367), (878, 32355), (898, 32280), (909, 32259),

Gene: Hartsy_61 Start: 54405, Stop: 52546, Start Num: 197

Candidate Starts for Hartsy_61:

(Start: 175 @54429 has 5 MA's), (Start: 197 @54405 has 267 MA's), (Start: 231 @54381 has 5 MA's), (Start: 243 @54375 has 2 MA's), (260, 54333), (267, 54312), (316, 54198), (319, 54192), (337, 54162), (371, 54102), (381, 54081), (399, 54027), (403, 54015), (409, 53997), (413, 53985), (445,

53880), (486, 53823), (499, 53787), (502, 53775), (511, 53751), (516, 53739), (524, 53721), (531, 53703), (539, 53685), (553, 53646), (556, 53637), (557, 53634), (558, 53631), (690, 53274), (696, 53241), (702, 53220), (729, 53127), (732, 53118), (747, 53055), (765, 53019), (766, 53016), (771, 53001), (796, 52923), (800, 52911), (806, 52890), (822, 52851), (857, 52761), (862, 52743), (864, 52737), (870, 52722), (879, 52698), (881, 52683), (882, 52680), (884, 52668), (892, 52644), (911, 52596), (922, 52572),

Gene: Harvey_59 Start: 54060, Stop: 52201, Start Num: 197

Candidate Starts for Harvey_59:

(Start: 175 @54084 has 5 MA's), (Start: 197 @54060 has 267 MA's), (Start: 231 @54036 has 5 MA's), (Start: 243 @54030 has 2 MA's), (260, 53988), (267, 53967), (316, 53853), (319, 53847), (337, 53817), (371, 53757), (381, 53736), (399, 53682), (403, 53670), (409, 53652), (413, 53640), (445, 53535), (486, 53478), (499, 53442), (502, 53430), (512, 53403), (524, 53376), (531, 53358), (539, 53340), (553, 53301), (556, 53292), (557, 53289), (664, 53031), (690, 52929), (696, 52896), (702, 52875), (729, 52782), (732, 52773), (747, 52710), (766, 52671), (771, 52656), (796, 52578), (800, 52566), (806, 52545), (822, 52506), (857, 52416), (862, 52398), (864, 52392), (870, 52377), (879, 52353), (881, 52338), (882, 52335), (884, 52323), (892, 52299), (911, 52251), (922, 52227),

Gene: HarveySr_57 Start: 53268, Stop: 51448, Start Num: 236

Candidate Starts for HarveySr_57:

(124, 53448), (Start: 236 @53268 has 14 MA's), (253, 53235), (347, 53055), (395, 52950), (408, 52902), (412, 52890), (422, 52860), (426, 52854), (445, 52791), (447, 52785), (486, 52734), (498, 52707), (499, 52698), (516, 52650), (557, 52545), (596, 52449), (627, 52398), (676, 52254), (684, 52215), (691, 52185), (696, 52158), (700, 52146), (727, 52050), (729, 52044), (732, 52035), (734, 52023), (759, 51951), (765, 51921), (771, 51903), (773, 51894), (796, 51825), (800, 51813), (806, 51792), (840, 51723), (849, 51708), (854, 51684), (862, 51645), (864, 51639), (877, 51606), (879, 51600), (882, 51582), (884, 51570), (888, 51558), (892, 51546), (922, 51474),

Gene: HashRod_49 Start: 31884, Stop: 30070, Start Num: 229

Candidate Starts for HashRod_49:

(Start: 229 @31884 has 918 MA's), (255, 31845), (261, 31833), (341, 31680), (349, 31665), (382, 31608), (402, 31551), (404, 31542), (418, 31500), (432, 31449), (448, 31398), (487, 31344), (500, 31305), (516, 31257), (528, 31233), (543, 31194), (553, 31167), (566, 31137), (607, 31044), (614, 31032), (639, 30984), (649, 30969), (695, 30813), (707, 30762), (718, 30729), (719, 30726), (735, 30660), (745, 30621), (766, 30549), (777, 30510), (786, 30486), (792, 30468), (802, 30435), (840, 30354), (857, 30294), (883, 30207), (898, 30159), (903, 30147), (909, 30138), (911, 30135),

Gene: Hashim76_62 Start: 54527, Stop: 52683, Start Num: 222

Candidate Starts for Hashim76_62:

(Start: 222 @54527 has 2 MA's), (260, 54470), (271, 54443), (319, 54341), (371, 54254), (382, 54230), (393, 54200), (399, 54179), (408, 54155), (413, 54140), (420, 54122), (445, 54035), (499, 53942), (502, 53930), (516, 53894), (557, 53789), (627, 53642), (656, 53558), (658, 53552), (676, 53492), (677, 53489), (684, 53453), (690, 53429), (696, 53396), (727, 53288), (729, 53282), (732, 53273), (765, 53159), (771, 53141), (796, 53063), (800, 53051), (806, 53030), (840, 52961), (849, 52946), (857, 52901), (864, 52877), (879, 52838), (881, 52823), (884, 52808), (892, 52784), (908, 52739), (922, 52709),

Gene: Hasitha_37 Start: 27003, Stop: 25138, Start Num: 270

Candidate Starts for Hasitha_37:

(Start: 270 @27003 has 147 MA's), (274, 26997), (326, 26898), (333, 26889), (344, 26865), (353, 26850), (357, 26844), (384, 26793), (386, 26790), (415, 26709), (434, 26649), (463, 26559), (465, 26556), (489, 26457), (497, 26430), (498, 26427), (500, 26415), (509, 26385), (516, 26364), (530, 26328), (610, 26181), (655, 26079), (678, 26001), (728, 25821), (735, 25791), (750, 25737), (757,

25719), (773, 25662), (781, 25635), (790, 25593), (802, 25554), (834, 25473), (836, 25464), (854, 25404), (858, 25380), (861, 25368), (864, 25359), (870, 25341), (879, 25308), (896, 25236),

Gene: HaveUMetTed_49 Start: 31735, Stop: 29921, Start Num: 229

Candidate Starts for HaveUMetTed_49:

(Start: 229 @31735 has 918 MA's), (255, 31696), (261, 31684), (341, 31531), (349, 31516), (382, 31459), (402, 31402), (404, 31393), (418, 31351), (432, 31300), (448, 31249), (500, 31156), (516, 31108), (528, 31084), (543, 31045), (553, 31018), (566, 30988), (607, 30895), (614, 30883), (639, 30835), (649, 30820), (695, 30664), (707, 30613), (718, 30580), (719, 30577), (735, 30511), (745, 30472), (766, 30400), (777, 30361), (786, 30337), (792, 30319), (802, 30286), (840, 30205), (857, 30145), (862, 30127), (881, 30067), (883, 30058), (898, 30010), (903, 29998), (909, 29989),

Gene: Heath_52 Start: 53664, Stop: 51841, Start Num: 189

Candidate Starts for Heath_52:

(Start: 175 @53682 has 5 MA's), (Start: 189 @53664 has 57 MA's), (Start: 243 @53640 has 2 MA's), (253, 53613), (260, 53598), (267, 53577), (308, 53490), (368, 53385), (386, 53343), (409, 53277), (420, 53247), (422, 53238), (425, 53235), (426, 53232), (486, 53112), (493, 53094), (499, 53076), (502, 53064), (508, 53049), (512, 53037), (556, 52926), (557, 52923), (570, 52893), (586, 52857), (676, 52632), (677, 52629), (684, 52593), (690, 52569), (696, 52536), (727, 52428), (729, 52422), (732, 52413), (765, 52314), (766, 52311), (771, 52296), (796, 52218), (800, 52206), (806, 52185), (808, 52176), (822, 52146), (852, 52089), (857, 52056), (862, 52038), (864, 52032), (879, 51993), (882, 51975), (884, 51963), (892, 51939), (908, 51897), (911, 51891), (922, 51867),

Gene: Heathcliff_58 Start: 53642, Stop: 51825, Start Num: 238

Candidate Starts for Heathcliff_58:

(124, 53825), (Start: 238 @53642 has 44 MA's), (253, 53612), (347, 53432), (408, 53279), (412, 53267), (422, 53237), (426, 53231), (445, 53168), (447, 53162), (486, 53111), (499, 53075), (516, 53027), (557, 52922), (596, 52826), (627, 52775), (676, 52631), (684, 52592), (691, 52562), (696, 52535), (700, 52523), (727, 52427), (729, 52421), (732, 52412), (734, 52400), (759, 52328), (765, 52298), (771, 52280), (773, 52271), (796, 52202), (800, 52190), (806, 52169), (840, 52100), (849, 52085), (854, 52061), (857, 52040), (864, 52016), (879, 51977), (882, 51959), (884, 51947), (888, 51935), (892, 51923), (908, 51881), (922, 51851),

Gene: Heathen_45 Start: 31183, Stop: 29345, Start Num: 229

Candidate Starts for Heathen_45:

(173, 31255), (Start: 229 @31183 has 918 MA's), (261, 31132), (341, 30979), (378, 30919), (382, 30907), (402, 30850), (404, 30841), (408, 30829), (441, 30721), (448, 30697), (500, 30601), (517, 30553), (543, 30493), (569, 30430), (598, 30361), (611, 30340), (649, 30271), (652, 30265), (668, 30226), (695, 30103), (719, 30016), (728, 29980), (735, 29950), (742, 29920), (766, 29839), (777, 29800), (786, 29776), (792, 29758), (840, 29629), (857, 29569), (898, 29434), (903, 29422), (909, 29413),

Gene: Heather_37 Start: 27927, Stop: 29858, Start Num: 229

Candidate Starts for Heather_37:

(Start: 229 @27927 has 918 MA's), (250, 27948), (273, 28008), (341, 28137), (371, 28185), (376, 28194), (394, 28239), (490, 28476), (498, 28497), (501, 28515), (522, 28572), (528, 28587), (539, 28614), (543, 28626), (544, 28629), (549, 28644), (611, 28779), (635, 28824), (683, 28977), (695, 29037), (705, 29085), (712, 29100), (719, 29124), (726, 29154), (733, 29181), (735, 29190), (742, 29220), (750, 29244), (789, 29364), (825, 29463), (852, 29517), (857, 29550), (858, 29553), (861, 29565), (862, 29568), (864, 29574), (875, 29601), (898, 29685), (903, 29697), (928, 29760),

Gene: Hedgerow_57 Start: 52616, Stop: 50787, Start Num: 189

Candidate Starts for Hedgerow_57:

(Start: 189 @52616 has 57 MA's), (Start: 243 @52589 has 2 MA's), (254, 52559), (260, 52547), (271, 52520), (273, 52517), (278, 52508), (298, 52490), (343, 52394), (371, 52343), (382, 52319), (434, 52157), (442, 52133), (445, 52121), (486, 52064), (499, 52028), (502, 52016), (511, 51992), (546, 51908), (556, 51878), (557, 51875), (570, 51845), (633, 51701), (659, 51635), (673, 51596), (676, 51584), (679, 51563), (684, 51545), (696, 51488), (715, 51431), (723, 51404), (729, 51374), (732, 51365), (747, 51299), (763, 51272), (765, 51263), (771, 51245), (777, 51221), (796, 51167), (800, 51155), (806, 51134), (840, 51065), (857, 51005), (862, 50987), (875, 50954), (879, 50942), (881, 50927), (882, 50924), (884, 50912), (892, 50888), (893, 50885), (911, 50837), (912, 50834), (922, 50813), (925, 50792),

Gene: Heffalump_43 Start: 31940, Stop: 30153, Start Num: 229

Candidate Starts for Heffalump_43:

(56, 32318), (110, 32129), (123, 32090), (Start: 229 @31940 has 918 MA's), (341, 31736), (343, 31733), (347, 31727), (354, 31712), (365, 31697), (382, 31664), (383, 31661), (394, 31634), (402, 31607), (408, 31586), (448, 31454), (500, 31361), (511, 31325), (516, 31313), (519, 31304), (528, 31289), (553, 31223), (588, 31142), (611, 31094), (614, 31088), (649, 31025), (695, 30869), (707, 30818), (718, 30785), (719, 30782), (735, 30716), (745, 30677), (758, 30656), (781, 30581), (786, 30569), (828, 30455), (840, 30437), (852, 30410), (853, 30401), (857, 30377), (881, 30299), (898, 30242), (903, 30230), (909, 30221),

Gene: HelDan_45 Start: 31435, Stop: 29597, Start Num: 229

Candidate Starts for HelDan_45:

(173, 31507), (Start: 229 @31435 has 918 MA's), (261, 31384), (341, 31231), (378, 31171), (382, 31159), (402, 31102), (404, 31093), (408, 31081), (441, 30973), (448, 30949), (500, 30853), (517, 30805), (543, 30745), (569, 30682), (598, 30613), (611, 30592), (649, 30523), (652, 30517), (668, 30478), (695, 30355), (719, 30268), (728, 30232), (735, 30202), (742, 30172), (766, 30091), (777, 30052), (786, 30028), (792, 30010), (840, 29881), (857, 29821), (898, 29686), (903, 29674), (909, 29665),

Gene: Held_60 Start: 54034, Stop: 52175, Start Num: 197

Candidate Starts for Held_60:

(Start: 175 @54058 has 5 MA's), (Start: 197 @54034 has 267 MA's), (Start: 231 @54010 has 5 MA's), (Start: 243 @54004 has 2 MA's), (260, 53962), (267, 53941), (316, 53827), (319, 53821), (337, 53791), (371, 53731), (381, 53710), (399, 53656), (403, 53644), (409, 53626), (413, 53614), (445, 53509), (486, 53452), (499, 53416), (502, 53404), (512, 53377), (531, 53332), (553, 53275), (556, 53266), (557, 53263), (690, 52903), (696, 52870), (702, 52849), (729, 52756), (732, 52747), (747, 52684), (765, 52648), (766, 52645), (771, 52630), (796, 52552), (800, 52540), (806, 52519), (822, 52480), (857, 52390), (862, 52372), (864, 52366), (870, 52351), (879, 52327), (881, 52312), (882, 52309), (884, 52297), (892, 52273), (911, 52225), (922, 52201),

Gene: Heliosoles_47 Start: 31756, Stop: 29942, Start Num: 229

Candidate Starts for Heliosoles_47:

(Start: 229 @31756 has 918 MA's), (255, 31717), (261, 31705), (341, 31552), (349, 31537), (382, 31480), (402, 31423), (404, 31414), (418, 31372), (432, 31321), (448, 31270), (500, 31177), (516, 31129), (528, 31105), (543, 31066), (553, 31039), (566, 31009), (607, 30916), (614, 30904), (639, 30856), (649, 30841), (695, 30685), (707, 30634), (718, 30601), (719, 30598), (735, 30532), (745, 30493), (766, 30421), (777, 30382), (786, 30358), (792, 30340), (802, 30307), (840, 30226), (857, 30166), (862, 30148), (881, 30088), (883, 30079), (898, 30031), (903, 30019), (909, 30010),

Gene: Helmet_47 Start: 29791, Stop: 27950, Start Num: 229

Candidate Starts for Helmet_47:

(Start: 229 @29791 has 918 MA's), (341, 29587), (382, 29512), (383, 29509), (394, 29482), (398, 29467), (402, 29455), (418, 29404), (444, 29314), (448, 29302), (500, 29209), (512, 29170), (519,

29152), (528, 29137), (553, 29071), (567, 29038), (569, 29035), (615, 28933), (649, 28873), (678, 28789), (695, 28708), (718, 28624), (719, 28621), (723, 28612), (728, 28585), (735, 28555), (758, 28495), (771, 28456), (853, 28240), (854, 28237), (857, 28216), (898, 28081), (903, 28069), (909, 28060), (911, 28057), (947, 27964),

Gene: Hendrix_88 Start: 57216, Stop: 59255, Start Num: 188

Candidate Starts for Hendrix_88:

(Start: 188 @57216 has 5 MA's), (Start: 234 @57273 has 1 MA's), (261, 57330), (271, 57357), (299, 57408), (360, 57528), (379, 57564), (390, 57594), (442, 57762), (474, 57876), (483, 57915), (500, 57972), (502, 57981), (508, 57999), (561, 58107), (568, 58122), (571, 58128), (590, 58161), (604, 58194), (625, 58239), (654, 58311), (684, 58416), (685, 58419), (713, 58488), (728, 58545), (735, 58575), (773, 58710), (790, 58779), (802, 58818), (820, 58869), (830, 58890), (852, 58956), (854, 58968), (857, 58989), (858, 58992), (860, 58998), (865, 59016), (872, 59043), (879, 59070), (882, 59088), (896, 59142), (903, 59172), (920, 59214), (932, 59250),

Gene: HenryJackson_60 Start: 54560, Stop: 52701, Start Num: 197

Candidate Starts for HenryJackson_60:

(Start: 175 @54584 has 5 MA's), (Start: 197 @54560 has 267 MA's), (Start: 231 @54536 has 5 MA's), (Start: 243 @54530 has 2 MA's), (260, 54488), (267, 54467), (316, 54353), (319, 54347), (337, 54317), (371, 54257), (381, 54236), (399, 54182), (403, 54170), (409, 54152), (413, 54140), (445, 54035), (486, 53978), (499, 53942), (502, 53930), (512, 53903), (524, 53876), (531, 53858), (539, 53840), (553, 53801), (556, 53792), (557, 53789), (664, 53531), (690, 53429), (696, 53396), (702, 53375), (729, 53282), (732, 53273), (747, 53210), (765, 53174), (766, 53171), (771, 53156), (796, 53078), (800, 53066), (806, 53045), (822, 53006), (857, 52916), (862, 52898), (864, 52892), (870, 52877), (879, 52853), (881, 52838), (882, 52835), (884, 52823), (892, 52799), (898, 52778), (911, 52751), (922, 52727),

Gene: Herbertwm_42 Start: 30692, Stop: 28857, Start Num: 229

Candidate Starts for Herbertwm_42:

(Start: 229 @30692 has 918 MA's), (341, 30488), (343, 30485), (383, 30410), (394, 30383), (398, 30368), (402, 30356), (408, 30335), (448, 30203), (500, 30110), (519, 30053), (593, 29882), (678, 29693), (695, 29612), (707, 29561), (719, 29525), (728, 29489), (735, 29459), (745, 29420), (758, 29399), (765, 29378), (802, 29261), (811, 29234), (828, 29198), (840, 29180), (853, 29144), (854, 29141), (857, 29120), (881, 29042), (898, 28985), (909, 28964), (949, 28865),

Gene: Hercules11_48 Start: 31861, Stop: 30047, Start Num: 229

Candidate Starts for Hercules11_48:

(Start: 229 @31861 has 918 MA's), (255, 31822), (261, 31810), (341, 31657), (349, 31642), (382, 31585), (402, 31528), (404, 31519), (418, 31477), (432, 31426), (448, 31375), (500, 31282), (516, 31234), (519, 31225), (528, 31210), (543, 31171), (553, 31144), (566, 31114), (607, 31021), (639, 30961), (649, 30946), (695, 30790), (719, 30703), (735, 30637), (745, 30598), (766, 30526), (777, 30487), (786, 30463), (792, 30445), (802, 30412), (811, 30385), (840, 30331), (857, 30271), (881, 30193), (898, 30136), (903, 30124), (909, 30115),

Gene: HerculesXL_37 Start: 27313, Stop: 25415, Start Num: 268

Candidate Starts for HerculesXL_37:

(5, 28051), (6, 28045), (57, 27790), (249, 27364), (Start: 268 @27313 has 18 MA's), (302, 27250), (333, 27199), (353, 27160), (384, 27103), (405, 27046), (408, 27037), (412, 27025), (415, 27019), (431, 26968), (443, 26929), (465, 26866), (474, 26821), (493, 26746), (498, 26737), (500, 26725), (509, 26695), (516, 26674), (521, 26662), (530, 26638), (612, 26488), (694, 26227), (723, 26125), (726, 26104), (735, 26068), (744, 26032), (746, 26026), (773, 25939), (781, 25912), (820, 25780), (836, 25741), (844, 25720), (854, 25681), (858, 25657), (860, 25651), (869, 25624), (896, 25513),

Gene: Hermia_46 Start: 35549, Stop: 33723, Start Num: 229

Candidate Starts for Hermia_46:

(Start: 229 @35549 has 918 MA's), (347, 35336), (354, 35321), (394, 35243), (400, 35222), (402, 35216), (404, 35207), (440, 35090), (448, 35063), (500, 34970), (504, 34955), (539, 34871), (540, 34868), (566, 34802), (592, 34742), (614, 34697), (635, 34658), (695, 34478), (705, 34430), (719, 34391), (735, 34325), (745, 34286), (758, 34265), (765, 34244), (771, 34226), (792, 34160), (852, 34019), (853, 34010), (854, 34007), (861, 33971), (870, 33947), (874, 33938), (878, 33926), (898, 33851), (909, 33830),

Gene: HermioneGrange_44 Start: 34683, Stop: 32854, Start Num: 229

Candidate Starts for HermioneGrange_44:

(Start: 229 @34683 has 918 MA's), (347, 34470), (354, 34455), (382, 34407), (394, 34377), (400, 34356), (402, 34350), (404, 34341), (440, 34224), (448, 34197), (500, 34104), (504, 34089), (539, 34005), (540, 34002), (566, 33936), (580, 33906), (592, 33876), (614, 33831), (635, 33792), (695, 33612), (705, 33564), (723, 33516), (732, 33477), (735, 33459), (745, 33420), (758, 33399), (765, 33378), (808, 33240), (875, 33069), (880, 33045), (890, 33012), (895, 32997), (898, 32985), (909, 32964), (912, 32958), (928, 32910), (935, 32895),

Gene: Hertubise_60 Start: 54326, Stop: 52467, Start Num: 197

Candidate Starts for Hertubise_60:

(Start: 175 @54350 has 5 MA's), (Start: 197 @54326 has 267 MA's), (Start: 231 @54302 has 5 MA's), (Start: 243 @54296 has 2 MA's), (260, 54254), (267, 54233), (316, 54119), (319, 54113), (337, 54083), (371, 54023), (381, 54002), (399, 53948), (403, 53936), (409, 53918), (413, 53906), (445, 53801), (486, 53744), (499, 53708), (502, 53696), (512, 53669), (524, 53642), (531, 53624), (539, 53606), (553, 53567), (556, 53558), (557, 53555), (664, 53297), (690, 53195), (696, 53162), (702, 53141), (729, 53048), (732, 53039), (747, 52976), (765, 52940), (766, 52937), (771, 52922), (796, 52844), (800, 52832), (806, 52811), (822, 52772), (857, 52682), (862, 52664), (864, 52658), (870, 52643), (879, 52619), (881, 52604), (882, 52601), (884, 52589), (892, 52565), (911, 52517), (922, 52493),

Gene: Hetaeria_60 Start: 54265, Stop: 52406, Start Num: 197

Candidate Starts for Hetaeria_60:

(Start: 175 @54289 has 5 MA's), (Start: 197 @54265 has 267 MA's), (Start: 231 @54241 has 5 MA's), (Start: 243 @54235 has 2 MA's), (260, 54193), (267, 54172), (316, 54058), (319, 54052), (337, 54022), (371, 53962), (381, 53941), (399, 53887), (403, 53875), (409, 53857), (413, 53845), (445, 53740), (486, 53683), (499, 53647), (502, 53635), (511, 53611), (516, 53599), (524, 53581), (531, 53563), (539, 53545), (553, 53506), (556, 53497), (557, 53494), (558, 53491), (690, 53134), (696, 53101), (702, 53080), (729, 52987), (732, 52978), (747, 52915), (765, 52879), (766, 52876), (771, 52861), (796, 52783), (800, 52771), (806, 52750), (822, 52711), (857, 52621), (862, 52603), (864, 52597), (870, 52582), (879, 52558), (881, 52543), (882, 52540), (884, 52528), (892, 52504), (911, 52456), (922, 52432),

Gene: Hexamo_45 Start: 29412, Stop: 27571, Start Num: 229

Candidate Starts for Hexamo_45:

(Start: 203 @29442 has 1 MA's), (Start: 229 @29412 has 918 MA's), (341, 29208), (382, 29133), (383, 29130), (394, 29103), (398, 29088), (402, 29076), (418, 29025), (444, 28935), (448, 28923), (500, 28830), (512, 28791), (519, 28773), (528, 28758), (553, 28692), (567, 28659), (569, 28656), (615, 28554), (649, 28494), (678, 28410), (695, 28329), (718, 28245), (719, 28242), (723, 28233), (728, 28206), (735, 28176), (758, 28116), (771, 28077), (853, 27861), (854, 27858), (857, 27837), (898, 27702), (903, 27690), (909, 27681), (911, 27678), (947, 27585),

Gene: Hexbug_51 Start: 35224, Stop: 32828, Start Num: 39

Candidate Starts for Hexbug_51:

(13, 35353), (15, 35344), (Start: 39 @35224 has 23 MA's), (80, 35092), (83, 35080), (100, 35035), (121, 34972), (132, 34951), (160, 34918), (198, 34861), (241, 34813), (248, 34798), (266, 34750), (311, 34675), (313, 34669), (315, 34663), (317, 34657), (352, 34588), (366, 34564), (379, 34540), (405, 34465), (412, 34444), (428, 34396), (432, 34384), (447, 34339), (487, 34183), (489, 34177), (547, 34048), (594, 34000), (601, 33988), (634, 33916), (655, 33874), (685, 33763), (693, 33721), (699, 33697), (701, 33688), (712, 33646), (735, 33553), (744, 33517), (746, 33511), (748, 33505), (750, 33499), (766, 33442), (773, 33418), (778, 33400), (803, 33307), (830, 33238), (844, 33199), (854, 33160), (857, 33139), (868, 33106), (873, 33088), (896, 32992), (902, 32968), (918, 32929), (944, 32860),

Gene: Heylee_57 Start: 36664, Stop: 34496, Start Num: 218

Candidate Starts for Heylee_57:

(215, 36667), (Start: 218 @36664 has 13 MA's), (253, 36610), (291, 36526), (354, 36373), (359, 36364), (382, 36319), (403, 36241), (406, 36232), (411, 36217), (417, 36202), (418, 36199), (434, 36142), (461, 36049), (467, 36007), (523, 35812), (527, 35800), (529, 35794), (539, 35770), (546, 35749), (555, 35728), (559, 35713), (563, 35707), (591, 35644), (614, 35593), (644, 35506), (666, 35446), (678, 35398), (703, 35296), (704, 35290), (709, 35263), (710, 35260), (718, 35239), (729, 35197), (731, 35191), (736, 35167), (743, 35125), (744, 35122), (752, 35095), (760, 35062), (764, 35050), (774, 35014), (781, 34990), (783, 34984), (786, 34978), (803, 34924), (822, 34876), (823, 34873), (848, 34813), (853, 34789), (859, 34759), (876, 34705), (879, 34696), (895, 34636), (898, 34624), (911, 34585),

Gene: HighStump_62 Start: 54537, Stop: 52678, Start Num: 197

Candidate Starts for HighStump_62:

(Start: 175 @54561 has 5 MA's), (Start: 197 @54537 has 267 MA's), (Start: 231 @54513 has 5 MA's), (Start: 243 @54507 has 2 MA's), (260, 54465), (267, 54444), (316, 54330), (319, 54324), (337, 54294), (371, 54234), (381, 54213), (399, 54159), (403, 54147), (409, 54129), (445, 54012), (486, 53955), (499, 53919), (502, 53907), (512, 53880), (524, 53853), (531, 53835), (539, 53817), (553, 53778), (556, 53769), (557, 53766), (690, 53406), (696, 53373), (702, 53352), (729, 53259), (732, 53250), (747, 53187), (766, 53148), (771, 53133), (796, 53055), (800, 53043), (806, 53022), (822, 52983), (854, 52914), (857, 52893), (862, 52875), (864, 52869), (870, 52854), (879, 52830), (881, 52815), (882, 52812), (884, 52800), (892, 52776), (911, 52728), (922, 52704),

Gene: HippoPololi_40 Start: 31759, Stop: 29405, Start Num: 38

Candidate Starts for HippoPololi_40:

(27, 31786), (Start: 38 @31759 has 1 MA's), (46, 31744), (53, 31708), (121, 31513), (262, 31306), (Start: 276 @31276 has 5 MA's), (311, 31219), (333, 31183), (340, 31168), (363, 31126), (366, 31120), (379, 31096), (398, 31042), (412, 31000), (472, 30802), (483, 30760), (489, 30742), (544, 30622), (612, 30529), (616, 30520), (634, 30484), (655, 30445), (659, 30433), (693, 30292), (704, 30250), (735, 30130), (744, 30094), (746, 30088), (748, 30082), (750, 30076), (757, 30052), (766, 30019), (773, 29995), (783, 29950), (803, 29884), (844, 29776), (860, 29707), (863, 29695), (871, 29671), (888, 29593), (892, 29581), (896, 29569), (902, 29545), (910, 29524), (920, 29500), (935, 29455), (944, 29437),

Gene: Hiro_36 Start: 28373, Stop: 26589, Start Num: 229

Candidate Starts for Hiro_36:

(Start: 229 @28373 has 918 MA's), (361, 28139), (378, 28109), (381, 28100), (382, 28097), (398, 28052), (402, 28040), (404, 28031), (418, 27989), (448, 27887), (477, 27866), (500, 27794), (514, 27749), (516, 27746), (536, 27704), (538, 27698), (543, 27683), (553, 27656), (598, 27551), (614, 27524), (635, 27485), (695, 27305), (705, 27257), (735, 27152), (736, 27149), (758, 27092), (765, 27071), (779, 27023), (804, 26948), (837, 26879), (853, 26837), (857, 26813), (881, 26735), (898, 26678), (903, 26666), (925, 26609),

Gene: Hocus_60 Start: 54021, Stop: 52162, Start Num: 197

Candidate Starts for Hocus_60:

(Start: 175 @54045 has 5 MA's), (Start: 197 @54021 has 267 MA's), (Start: 231 @53997 has 5 MA's), (Start: 243 @53991 has 2 MA's), (260, 53949), (267, 53928), (316, 53814), (319, 53808), (337, 53778), (371, 53718), (381, 53697), (399, 53643), (403, 53631), (409, 53613), (413, 53601), (445, 53496), (486, 53439), (499, 53403), (502, 53391), (512, 53364), (531, 53319), (553, 53262), (556, 53253), (557, 53250), (690, 52890), (696, 52857), (702, 52836), (729, 52743), (732, 52734), (747, 52671), (765, 52635), (766, 52632), (771, 52617), (796, 52539), (800, 52527), (806, 52506), (822, 52467), (857, 52377), (862, 52359), (864, 52353), (870, 52338), (879, 52314), (881, 52299), (882, 52296), (884, 52284), (892, 52260), (911, 52212), (922, 52188),

Gene: Holeinone_57 Start: 52455, Stop: 50626, Start Num: 189

Candidate Starts for Holeinone_57:

(Start: 189 @52455 has 57 MA's), (Start: 243 @52428 has 2 MA's), (254, 52398), (260, 52386), (271, 52359), (273, 52356), (278, 52347), (298, 52329), (343, 52233), (371, 52182), (382, 52158), (434, 51996), (439, 51981), (442, 51972), (445, 51960), (486, 51903), (499, 51867), (502, 51855), (511, 51831), (546, 51747), (556, 51717), (557, 51714), (570, 51684), (633, 51540), (659, 51474), (676, 51423), (679, 51402), (684, 51384), (696, 51327), (723, 51243), (729, 51213), (732, 51204), (747, 51138), (763, 51111), (765, 51102), (771, 51084), (777, 51060), (796, 51006), (800, 50994), (806, 50973), (840, 50904), (857, 50844), (862, 50826), (875, 50793), (879, 50781), (881, 50766), (882, 50763), (884, 50751), (892, 50727), (893, 50724), (911, 50676), (912, 50673), (922, 50652), (925, 50631),

Gene: Holec_44 Start: 31507, Stop: 29714, Start Num: 229

Candidate Starts for Holec_44:

(Start: 229 @31507 has 918 MA's), (Start: 244 @31498 has 1 MA's), (261, 31456), (325, 31336), (327, 31333), (350, 31285), (383, 31225), (395, 31195), (398, 31183), (402, 31171), (448, 31018), (500, 30925), (553, 30787), (566, 30757), (640, 30598), (649, 30586), (666, 30559), (692, 30451), (695, 30430), (732, 30295), (735, 30277), (765, 30196), (777, 30154), (802, 30079), (837, 30004), (853, 29962), (881, 29860), (898, 29803), (903, 29791), (909, 29782),

Gene: Holli_44 Start: 31360, Stop: 29534, Start Num: 229

Candidate Starts for Holli_44:

(Start: 229 @31360 has 918 MA's), (250, 31339), (261, 31309), (273, 31279), (365, 31117), (376, 31099), (402, 31027), (404, 31018), (441, 30898), (448, 30874), (500, 30781), (517, 30733), (528, 30712), (543, 30673), (598, 30541), (611, 30520), (635, 30475), (640, 30463), (692, 30310), (695, 30289), (728, 30166), (735, 30136), (745, 30097), (765, 30031), (766, 30028), (771, 30013), (777, 29989), (786, 29965), (857, 29758), (898, 29623), (903, 29611), (909, 29602),

Gene: Homines_37 Start: 30760, Stop: 28934, Start Num: 229

Candidate Starts for Homines_37:

(Start: 229 @30760 has 918 MA's), (347, 30547), (354, 30532), (382, 30484), (394, 30454), (400, 30433), (402, 30427), (404, 30418), (440, 30301), (448, 30274), (500, 30181), (504, 30166), (516, 30133), (539, 30082), (540, 30079), (566, 30013), (580, 29983), (592, 29953), (614, 29908), (635, 29869), (695, 29689), (704, 29659), (705, 29641), (707, 29638), (719, 29602), (735, 29536), (765, 29455), (766, 29452), (792, 29371), (853, 29221), (854, 29218), (861, 29182), (870, 29158), (874, 29149), (878, 29137), (898, 29062), (909, 29041),

Gene: Honk_44 Start: 28246, Stop: 30111, Start Num: 227

Candidate Starts for Honk_44:

(Start: 227 @28246 has 8 MA's), (260, 28294), (295, 28354), (341, 28450), (400, 28567), (501, 28840), (516, 28882), (543, 28948), (592, 29062), (611, 29101), (643, 29164), (677, 29269), (678, 29278), (695, 29359), (707, 29410), (726, 29476), (728, 29482), (736, 29515), (783, 29671), (793,

29698), (825, 29785), (870, 29911), (874, 29920), (879, 29935), (898, 30007), (905, 30022), (914, 30037),

Gene: Hookmount_44 Start: 31598, Stop: 29760, Start Num: 229

Candidate Starts for Hookmount_44:

(Start: 229 @31598 has 918 MA's), (261, 31547), (341, 31394), (382, 31322), (394, 31292), (402, 31265), (404, 31256), (448, 31112), (500, 31016), (517, 30968), (543, 30908), (581, 30821), (598, 30776), (611, 30755), (650, 30683), (668, 30641), (678, 30599), (695, 30518), (705, 30470), (719, 30431), (728, 30395), (735, 30365), (742, 30335), (766, 30254), (777, 30215), (786, 30191), (792, 30173), (793, 30170), (840, 30044), (857, 29984), (883, 29897), (898, 29849), (903, 29837), (909, 29828),

Gene: Hoot_45 Start: 29605, Stop: 27764, Start Num: 229

Candidate Starts for Hoot_45:

(Start: 229 @29605 has 918 MA's), (341, 29401), (382, 29326), (383, 29323), (394, 29296), (398, 29281), (402, 29269), (418, 29218), (444, 29128), (448, 29116), (500, 29023), (512, 28984), (519, 28966), (528, 28951), (553, 28885), (567, 28852), (569, 28849), (615, 28747), (649, 28687), (678, 28603), (695, 28522), (718, 28438), (719, 28435), (723, 28426), (728, 28399), (735, 28369), (758, 28309), (771, 28270), (853, 28054), (854, 28051), (857, 28030), (898, 27895), (903, 27883), (909, 27874), (911, 27871), (947, 27778),

Gene: Hope4ever_46 Start: 35139, Stop: 33313, Start Num: 229

Candidate Starts for Hope4ever_46:

(Start: 229 @35139 has 918 MA's), (347, 34926), (382, 34863), (394, 34833), (400, 34812), (402, 34806), (404, 34797), (440, 34680), (448, 34653), (500, 34560), (504, 34545), (539, 34461), (540, 34458), (566, 34392), (580, 34362), (592, 34332), (614, 34287), (635, 34248), (695, 34068), (705, 34020), (719, 33981), (735, 33915), (745, 33876), (758, 33855), (765, 33834), (771, 33816), (792, 33750), (853, 33600), (854, 33597), (861, 33561), (870, 33537), (874, 33528), (878, 33516), (898, 33441), (909, 33420),

Gene: Horchata_59 Start: 54056, Stop: 52197, Start Num: 197

Candidate Starts for Horchata_59:

(Start: 175 @54080 has 5 MA's), (Start: 197 @54056 has 267 MA's), (Start: 231 @54032 has 5 MA's), (Start: 243 @54026 has 2 MA's), (260, 53984), (267, 53963), (316, 53849), (319, 53843), (337, 53813), (371, 53753), (381, 53732), (399, 53678), (403, 53666), (409, 53648), (413, 53636), (445, 53531), (486, 53474), (499, 53438), (502, 53426), (512, 53399), (516, 53390), (531, 53354), (553, 53297), (556, 53288), (557, 53285), (558, 53282), (690, 52925), (696, 52892), (702, 52871), (729, 52778), (732, 52769), (747, 52706), (765, 52670), (766, 52667), (771, 52652), (796, 52574), (800, 52562), (806, 52541), (822, 52502), (857, 52412), (862, 52394), (864, 52388), (870, 52373), (879, 52349), (881, 52334), (882, 52331), (884, 52319), (892, 52295), (911, 52247), (922, 52223),

Gene: Horseradish_45 Start: 32448, Stop: 30058, Start Num: 32

Candidate Starts for Horseradish_45:

(Start: 32 @32448 has 16 MA's), (58, 32385), (63, 32367), (66, 32352), (83, 32298), (87, 32286), (94, 32265), (106, 32232), (116, 32205), (121, 32181), (147, 32154), (211, 32049), (251, 32001), (311, 31884), (352, 31803), (368, 31776), (379, 31755), (398, 31701), (399, 31698), (405, 31680), (412, 31659), (432, 31599), (489, 31401), (500, 31359), (547, 31272), (570, 31248), (586, 31242), (609, 31188), (612, 31182), (633, 31140), (634, 31137), (635, 31134), (685, 30987), (693, 30945), (701, 30918), (712, 30876), (735, 30783), (744, 30747), (746, 30741), (748, 30735), (750, 30729), (757, 30705), (766, 30672), (773, 30648), (783, 30603), (801, 30543), (854, 30390), (896, 30222), (910, 30177), (914, 30168), (918, 30159),

Gene: HortumSL17_45 Start: 31483, Stop: 29690, Start Num: 229

Candidate Starts for HortumSL17_45:

(Start: 229 @31483 has 918 MA's), (Start: 244 @31474 has 1 MA's), (261, 31432), (325, 31312), (327, 31309), (350, 31261), (383, 31201), (395, 31171), (398, 31159), (402, 31147), (448, 30994), (500, 30901), (553, 30763), (566, 30733), (640, 30574), (649, 30562), (666, 30535), (692, 30427), (695, 30406), (732, 30271), (735, 30253), (765, 30172), (777, 30130), (802, 30055), (837, 29980), (853, 29938), (881, 29836), (898, 29779), (903, 29767), (909, 29758),

Gene: Hosp_050 Start: 50681, Stop: 48840, Start Num: 193

Candidate Starts for Hosp_050:

(81, 50945), (84, 50930), (Start: 193 @50681 has 2 MA's), (253, 50624), (260, 50609), (343, 50435), (371, 50384), (373, 50381), (382, 50360), (399, 50309), (401, 50303), (408, 50285), (422, 50243), (425, 50240), (434, 50210), (486, 50117), (499, 50081), (502, 50069), (548, 49955), (556, 49931), (557, 49928), (656, 49697), (677, 49628), (679, 49610), (684, 49592), (696, 49535), (727, 49427), (729, 49421), (732, 49412), (747, 49349), (765, 49313), (766, 49310), (771, 49295), (796, 49217), (800, 49205), (806, 49184), (807, 49178), (822, 49145), (840, 49115), (849, 49100), (853, 49079), (857, 49055), (864, 49031), (879, 48992), (880, 48980), (881, 48977), (882, 48974), (884, 48962), (892, 48938), (922, 48866), (925, 48845),

Gene: Houdini22_45 Start: 31574, Stop: 29748, Start Num: 229

Candidate Starts for Houdini22_45:

(Start: 229 @31574 has 918 MA's), (250, 31553), (261, 31523), (273, 31493), (365, 31331), (376, 31313), (402, 31241), (404, 31232), (441, 31112), (448, 31088), (500, 30995), (517, 30947), (528, 30926), (543, 30887), (598, 30755), (611, 30734), (635, 30689), (640, 30677), (692, 30524), (695, 30503), (728, 30380), (735, 30350), (745, 30311), (765, 30245), (766, 30242), (771, 30227), (777, 30203), (786, 30179), (857, 29972), (898, 29837), (903, 29825), (909, 29816),

Gene: HuhtaEnerson15_39 Start: 30586, Stop: 28721, Start Num: 229

Candidate Starts for HuhtaEnerson15_39:

(Start: 229 @30586 has 918 MA's), (261, 30535), (296, 30475), (327, 30412), (341, 30382), (343, 30379), (378, 30322), (382, 30310), (394, 30280), (402, 30253), (448, 30100), (500, 30004), (516, 29956), (550, 29872), (553, 29866), (586, 29794), (598, 29761), (607, 29746), (614, 29734), (664, 29635), (695, 29500), (704, 29470), (705, 29452), (714, 29434), (719, 29413), (723, 29404), (735, 29347), (745, 29308), (765, 29266), (771, 29248), (786, 29200), (802, 29149), (823, 29095), (828, 29086), (840, 29068), (857, 29008), (862, 28990), (891, 28897), (898, 28873), (903, 28861), (947, 28756),

Gene: HungryHenry_38 Start: 28624, Stop: 26759, Start Num: 270

Candidate Starts for HungryHenry_38:

(Start: 216 @28711 has 3 MA's), (219, 28708), (Start: 270 @28624 has 147 MA's), (Start: 276 @28615 has 5 MA's), (333, 28510), (336, 28501), (353, 28471), (355, 28468), (408, 28348), (412, 28336), (415, 28330), (449, 28225), (456, 28198), (493, 28057), (497, 28051), (498, 28048), (500, 28036), (508, 28009), (509, 28006), (514, 27991), (516, 27985), (518, 27979), (531, 27946), (602, 27817), (629, 27757), (728, 27442), (731, 27433), (732, 27430), (735, 27412), (746, 27370), (748, 27364), (751, 27355), (756, 27340), (773, 27283), (820, 27124), (834, 27094), (836, 27085), (854, 27025), (858, 27001), (870, 26962), (879, 26929), (880, 26917), (896, 26857),

Gene: Hutc2_44 Start: 30330, Stop: 28543, Start Num: 229

Candidate Starts for Hutc2_44:

(Start: 229 @30330 has 918 MA's), (341, 30126), (382, 30054), (394, 30024), (402, 29997), (501, 29745), (519, 29694), (553, 29613), (575, 29568), (576, 29565), (611, 29484), (640, 29427), (667, 29385), (678, 29340), (695, 29259), (707, 29208), (719, 29172), (735, 29106), (758, 29046), (763, 29034), (795, 28932), (802, 28908), (807, 28890), (840, 28827), (852, 28800), (853, 28791), (857, 28767), (898, 28632), (903, 28620), (909, 28611),

Gene: Huwbert_71 Start: 43958, Stop: 46630, Start Num: 21

Candidate Starts for Huwbert_71:

(Start: 21 @43958 has 2 MA's), (44, 44048), (45, 44051), (46, 44054), (60, 44114), (100, 44231), (156, 44360), (Start: 269 @44537 has 4 MA's), (Start: 276 @44549 has 5 MA's), (300, 44594), (309, 44609), (320, 44636), (371, 44735), (384, 44765), (398, 44804), (412, 44846), (431, 44903), (436, 44918), (459, 44972), (489, 45083), (534, 45224), (581, 45353), (599, 45398), (601, 45401), (609, 45419), (630, 45476), (655, 45536), (674, 45596), (721, 45791), (735, 45854), (752, 45917), (773, 45992), (794, 46073), (803, 46103), (834, 46181), (844, 46211), (854, 46250), (859, 46277), (861, 46286), (879, 46352), (896, 46424), (898, 46433), (907, 46463), (954, 46589), (957, 46607),

Gene: Hydro_53 Start: 54045, Stop: 52222, Start Num: 189

Candidate Starts for Hydro_53:

(Start: 175 @54063 has 5 MA's), (Start: 189 @54045 has 57 MA's), (Start: 243 @54021 has 2 MA's), (253, 53994), (260, 53979), (267, 53958), (308, 53871), (368, 53766), (386, 53724), (409, 53658), (420, 53628), (422, 53619), (425, 53616), (426, 53613), (486, 53493), (493, 53475), (499, 53457), (502, 53445), (508, 53430), (512, 53418), (556, 53307), (557, 53304), (570, 53274), (586, 53238), (676, 53013), (677, 53010), (684, 52974), (690, 52950), (696, 52917), (727, 52809), (729, 52803), (732, 52794), (765, 52695), (766, 52692), (771, 52677), (796, 52599), (800, 52587), (806, 52566), (808, 52557), (822, 52527), (852, 52470), (857, 52437), (862, 52419), (864, 52413), (879, 52374), (882, 52356), (884, 52344), (892, 52320), (908, 52278), (911, 52272), (922, 52248),

Gene: IAmGroot_48 Start: 31892, Stop: 33757, Start Num: 227

Candidate Starts for IAmGroot_48:

(Start: 227 @31892 has 8 MA's), (394, 32189), (421, 32279), (543, 32594), (588, 32699), (592, 32708), (611, 32747), (643, 32810), (695, 33005), (712, 33068), (726, 33122), (728, 33128), (736, 33161), (763, 33248), (783, 33317), (793, 33344), (898, 33653),

Gene: ICleared_45 Start: 31599, Stop: 29773, Start Num: 229

Candidate Starts for ICleared_45:

(Start: 229 @31599 has 918 MA's), (250, 31578), (261, 31548), (273, 31518), (365, 31356), (376, 31338), (402, 31266), (404, 31257), (441, 31137), (448, 31113), (500, 31020), (517, 30972), (528, 30951), (543, 30912), (598, 30780), (611, 30759), (635, 30714), (640, 30702), (692, 30549), (695, 30528), (728, 30405), (735, 30375), (745, 30336), (765, 30270), (766, 30267), (777, 30228), (786, 30204), (857, 29997), (898, 29862), (903, 29850), (909, 29841),

Gene: ILeeKay_49 Start: 35713, Stop: 33884, Start Num: 229

Candidate Starts for ILeeKay_49:

(Start: 229 @35713 has 918 MA's), (347, 35500), (354, 35485), (394, 35407), (400, 35386), (402, 35380), (404, 35371), (440, 35254), (448, 35227), (500, 35134), (504, 35119), (516, 35086), (539, 35035), (540, 35032), (560, 34978), (566, 34966), (580, 34936), (592, 34906), (614, 34861), (635, 34822), (695, 34642), (705, 34594), (723, 34546), (732, 34507), (735, 34489), (745, 34450), (758, 34429), (765, 34408), (770, 34393), (808, 34270), (875, 34099), (880, 34075), (895, 34027), (898, 34015), (909, 33994), (912, 33988), (928, 33940), (935, 33925),

Gene: Ibantik_18 Start: 8692, Stop: 6680, Start Num: 229

Candidate Starts for Ibantik_18:

(Start: 229 @8692 has 918 MA's), (347, 8473), (365, 8443), (433, 8248), (437, 8236), (448, 8200), (455, 8179), (464, 8122), (500, 7954), (539, 7849), (543, 7837), (558, 7795), (664, 7585), (695, 7450), (725, 7336), (727, 7327), (735, 7294), (753, 7228), (786, 7105), (852, 6946), (875, 6862), (877, 6856), (879, 6850), (882, 6832), (891, 6802), (898, 6778),

Gene: Icarian_45 Start: 30940, Stop: 32814, Start Num: 229

Candidate Starts for Icarian_45:

(Start: 229 @30940 has 918 MA's), (266, 31009), (280, 31030), (382, 31210), (404, 31276), (409, 31291), (418, 31318), (543, 31612), (648, 31846), (682, 31966), (683, 31969), (695, 32029), (698, 32035), (707, 32080), (714, 32095), (716, 32110), (726, 32146), (735, 32182), (764, 32275), (793, 32368), (821, 32446), (822, 32449), (853, 32518), (857, 32542), (861, 32557), (877, 32599), (880, 32617), (898, 32677), (909, 32698),

Gene: Iceman_45 Start: 31856, Stop: 30030, Start Num: 229

Candidate Starts for Iceman_45:

(Start: 229 @31856 has 918 MA's), (250, 31835), (261, 31805), (273, 31775), (365, 31613), (376, 31595), (402, 31523), (404, 31514), (441, 31394), (448, 31370), (500, 31277), (517, 31229), (528, 31208), (543, 31169), (598, 31037), (611, 31016), (635, 30971), (640, 30959), (692, 30806), (695, 30785), (728, 30662), (735, 30632), (745, 30593), (765, 30527), (766, 30524), (771, 30509), (777, 30485), (786, 30461), (857, 30254), (898, 30119), (903, 30107), (909, 30098),

Gene: Ichabod_46 Start: 34837, Stop: 33011, Start Num: 229

Candidate Starts for Ichabod_46:

(Start: 229 @34837 has 918 MA's), (347, 34624), (382, 34561), (394, 34531), (400, 34510), (402, 34504), (404, 34495), (440, 34378), (448, 34351), (500, 34258), (504, 34243), (516, 34210), (539, 34159), (540, 34156), (566, 34090), (580, 34060), (592, 34030), (614, 33985), (635, 33946), (695, 33766), (705, 33718), (719, 33679), (735, 33613), (745, 33574), (758, 33553), (765, 33532), (771, 33514), (792, 33448), (853, 33298), (854, 33295), (870, 33235), (874, 33226), (878, 33214), (898, 33139), (909, 33118),

Gene: Ichor_55 Start: 36879, Stop: 34711, Start Num: 218

Candidate Starts for Ichor_55:

(215, 36882), (Start: 218 @36879 has 13 MA's), (253, 36825), (291, 36741), (354, 36588), (359, 36579), (382, 36534), (403, 36456), (406, 36447), (411, 36432), (417, 36417), (418, 36414), (434, 36357), (461, 36264), (467, 36222), (523, 36027), (527, 36015), (529, 36009), (539, 35985), (546, 35964), (555, 35943), (559, 35928), (563, 35922), (591, 35859), (614, 35808), (644, 35721), (666, 35661), (678, 35613), (703, 35511), (704, 35505), (709, 35478), (710, 35475), (718, 35454), (729, 35412), (731, 35406), (736, 35382), (743, 35340), (744, 35337), (752, 35310), (760, 35277), (764, 35265), (774, 35229), (781, 35205), (783, 35199), (786, 35193), (803, 35139), (822, 35091), (823, 35088), (848, 35028), (853, 35004), (859, 34974), (876, 34920), (895, 34851), (898, 34839), (911, 34800),

Gene: Idleandcovert_46 Start: 31555, Stop: 29717, Start Num: 229

Candidate Starts for Idleandcovert_46:

(Start: 229 @31555 has 918 MA's), (261, 31504), (298, 31438), (341, 31351), (378, 31291), (382, 31279), (402, 31222), (404, 31213), (441, 31093), (448, 31069), (500, 30973), (517, 30925), (543, 30865), (569, 30802), (598, 30733), (611, 30712), (650, 30640), (668, 30598), (678, 30556), (695, 30475), (705, 30427), (728, 30352), (735, 30322), (742, 30292), (766, 30211), (777, 30172), (786, 30148), (792, 30130), (840, 30001), (857, 29941), (898, 29806), (903, 29794), (909, 29785),

Gene: IgnatiusPatJac_44 Start: 34736, Stop: 32907, Start Num: 229

Candidate Starts for IgnatiusPatJac_44:

(Start: 229 @34736 has 918 MA's), (347, 34523), (382, 34460), (394, 34430), (400, 34409), (402, 34403), (404, 34394), (440, 34277), (448, 34250), (500, 34157), (504, 34142), (516, 34109), (539, 34058), (540, 34055), (566, 33989), (592, 33929), (614, 33884), (635, 33845), (695, 33665), (705, 33617), (723, 33569), (732, 33530), (735, 33512), (745, 33473), (758, 33452), (765, 33431), (770, 33416), (808, 33293), (875, 33122), (880, 33098), (895, 33050), (898, 33038), (909, 33017), (912, 33011), (928, 32963), (935, 32948),

Gene: Ilzat_38 Start: 28635, Stop: 26770, Start Num: 270

Candidate Starts for Ilzat_38:

(Start: 216 @28722 has 3 MA's), (219, 28719), (Start: 270 @28635 has 147 MA's), (Start: 276 @28626 has 5 MA's), (333, 28521), (336, 28512), (353, 28482), (355, 28479), (408, 28359), (412, 28347), (415, 28341), (449, 28236), (456, 28209), (493, 28068), (497, 28062), (498, 28059), (500, 28047), (508, 28020), (509, 28017), (514, 28002), (516, 27996), (518, 27990), (531, 27957), (602, 27828), (629, 27768), (728, 27453), (731, 27444), (732, 27441), (735, 27423), (746, 27381), (748, 27375), (751, 27366), (756, 27351), (773, 27294), (820, 27135), (834, 27105), (836, 27096), (854, 27036), (858, 27012), (870, 26973), (879, 26940), (880, 26928), (896, 26868),

Gene: ImtiyazSitla_62 Start: 54257, Stop: 52398, Start Num: 197

Candidate Starts for ImtiyazSitla_62:

(Start: 175 @54281 has 5 MA's), (Start: 197 @54257 has 267 MA's), (Start: 231 @54233 has 5 MA's), (Start: 243 @54227 has 2 MA's), (260, 54185), (267, 54164), (316, 54050), (319, 54044), (337, 54014), (371, 53954), (381, 53933), (399, 53879), (403, 53867), (409, 53849), (413, 53837), (445, 53732), (486, 53675), (499, 53639), (502, 53627), (511, 53603), (516, 53591), (524, 53573), (531, 53555), (539, 53537), (553, 53498), (556, 53489), (557, 53486), (558, 53483), (664, 53228), (690, 53126), (696, 53093), (702, 53072), (729, 52979), (732, 52970), (747, 52907), (765, 52871), (766, 52868), (771, 52853), (796, 52775), (800, 52763), (806, 52742), (822, 52703), (857, 52613), (862, 52595), (864, 52589), (870, 52574), (879, 52550), (881, 52535), (882, 52532), (884, 52520), (892, 52496), (898, 52475), (911, 52448), (922, 52424),

Gene: Imvubu_52 Start: 51848, Stop: 49983, Start Num: 178

Candidate Starts for Imvubu_52:

(102, 52028), (169, 51866), (172, 51863), (Start: 178 @51848 has 1 MA's), (Start: 243 @51803 has 2 MA's), (253, 51776), (273, 51731), (382, 51518), (412, 51431), (445, 51323), (486, 51266), (499, 51230), (502, 51218), (511, 51194), (512, 51191), (516, 51182), (518, 51176), (557, 51071), (570, 51041), (586, 51005), (588, 50999), (677, 50771), (696, 50678), (729, 50564), (732, 50555), (747, 50492), (765, 50456), (766, 50453), (771, 50438), (796, 50360), (800, 50348), (806, 50327), (808, 50318), (817, 50300), (840, 50258), (849, 50243), (857, 50198), (864, 50174), (870, 50159), (879, 50135), (880, 50123), (881, 50120), (882, 50117), (884, 50105), (888, 50093), (892, 50081), (900, 50057), (922, 50009),

Gene: Inchworm_62 Start: 54408, Stop: 52549, Start Num: 197

Candidate Starts for Inchworm_62:

(Start: 175 @54432 has 5 MA's), (Start: 197 @54408 has 267 MA's), (Start: 231 @54384 has 5 MA's), (Start: 243 @54378 has 2 MA's), (260, 54336), (267, 54315), (316, 54201), (319, 54195), (337, 54165), (371, 54105), (381, 54084), (399, 54030), (403, 54018), (409, 54000), (413, 53988), (445, 53883), (486, 53826), (499, 53790), (502, 53778), (512, 53751), (524, 53724), (531, 53706), (539, 53688), (553, 53649), (556, 53640), (557, 53637), (558, 53634), (690, 53277), (696, 53244), (702, 53223), (729, 53130), (732, 53121), (747, 53058), (765, 53022), (766, 53019), (771, 53004), (796, 52926), (800, 52914), (806, 52893), (822, 52854), (857, 52764), (862, 52746), (864, 52740), (870, 52725), (879, 52701), (881, 52686), (882, 52683), (884, 52671), (892, 52647), (911, 52599), (922, 52575),

Gene: Indlovu_55 Start: 54200, Stop: 52356, Start Num: 193

Candidate Starts for Indlovu_55:

(Start: 193 @54200 has 2 MA's), (267, 54098), (337, 53960), (382, 53876), (422, 53759), (425, 53756), (445, 53690), (486, 53633), (499, 53597), (502, 53585), (511, 53561), (556, 53447), (557, 53444), (558, 53441), (586, 53378), (656, 53213), (659, 53204), (684, 53108), (696, 53051), (711, 53000), (729, 52937), (732, 52928), (747, 52865), (771, 52811), (777, 52787), (796, 52733), (800, 52721), (806, 52700), (808, 52691), (812, 52682), (837, 52637), (840, 52631), (849, 52616), (857, 52571), (862, 52553), (864, 52547), (879, 52508), (880, 52496), (881, 52493), (882, 52490), (888,

52466), (892, 52454), (922, 52382),

Gene: Indra_48 Start: 29792, Stop: 27951, Start Num: 229

Candidate Starts for Indra_48:

(Start: 229 @29792 has 918 MA's), (341, 29588), (382, 29513), (383, 29510), (394, 29483), (398, 29468), (402, 29456), (418, 29405), (444, 29315), (448, 29303), (500, 29210), (512, 29171), (519, 29153), (528, 29138), (553, 29072), (567, 29039), (569, 29036), (615, 28934), (649, 28874), (678, 28790), (695, 28709), (718, 28625), (719, 28622), (723, 28613), (728, 28586), (735, 28556), (758, 28496), (771, 28457), (853, 28241), (854, 28238), (857, 28217), (898, 28082), (903, 28070), (909, 28061), (911, 28058), (947, 27965),

Gene: IndyLu_42 Start: 29805, Stop: 31679, Start Num: 229

Candidate Starts for IndyLu_42:

(Start: 229 @29805 has 918 MA's), (266, 29874), (280, 29895), (404, 30141), (409, 30156), (437, 30237), (543, 30477), (648, 30711), (682, 30831), (683, 30834), (695, 30894), (714, 30960), (716, 30975), (726, 31011), (735, 31047), (764, 31140), (821, 31311), (822, 31314), (853, 31383), (861, 31422), (877, 31464), (880, 31482), (898, 31542), (909, 31563),

Gene: Insomnia_45 Start: 30835, Stop: 29048, Start Num: 229

Candidate Starts for Insomnia_45:

(Start: 229 @30835 has 918 MA's), (341, 30631), (382, 30559), (394, 30529), (402, 30502), (501, 30250), (519, 30199), (553, 30118), (575, 30073), (611, 29989), (640, 29932), (667, 29890), (678, 29845), (695, 29764), (707, 29713), (719, 29677), (735, 29611), (758, 29551), (763, 29539), (795, 29437), (802, 29413), (807, 29395), (840, 29332), (852, 29305), (853, 29296), (857, 29272), (898, 29137), (903, 29125), (909, 29116),

Gene: Inventa_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Inventa_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Inverness_59 Start: 54064, Stop: 52205, Start Num: 197

Candidate Starts for Inverness_59:

(Start: 175 @54088 has 5 MA's), (Start: 197 @54064 has 267 MA's), (Start: 231 @54040 has 5 MA's), (Start: 243 @54034 has 2 MA's), (260, 53992), (267, 53971), (316, 53857), (319, 53851), (337, 53821), (371, 53761), (381, 53740), (399, 53686), (403, 53674), (409, 53656), (413, 53644), (445, 53539), (486, 53482), (499, 53446), (502, 53434), (511, 53410), (516, 53398), (524, 53380), (531, 53362), (539, 53344), (553, 53305), (556, 53296), (557, 53293), (558, 53290), (690, 52933), (696, 52900), (702, 52879), (729, 52786), (732, 52777), (747, 52714), (766, 52675), (771, 52660), (796, 52582), (800, 52570), (806, 52549), (822, 52510), (857, 52420), (862, 52402), (864, 52396), (870, 52381), (879, 52357), (881, 52342), (882, 52339), (884, 52327), (892, 52303), (911, 52255), (922, 52231),

Gene: Inyanga_42 Start: 33573, Stop: 31747, Start Num: 229

Candidate Starts for Inyanga_42:

(Start: 229 @33573 has 918 MA's), (347, 33360), (354, 33345), (382, 33297), (394, 33267), (400, 33246), (402, 33240), (404, 33231), (440, 33114), (448, 33087), (500, 32994), (504, 32979), (539, 32895), (540, 32892), (566, 32826), (580, 32796), (592, 32766), (614, 32721), (635, 32682), (695,

32502), (704, 32472), (705, 32454), (719, 32415), (735, 32349), (765, 32268), (766, 32265), (792, 32184), (853, 32034), (854, 32031), (861, 31995), (870, 31971), (878, 31950), (898, 31875), (909, 31854),

Gene: loannes_39 Start: 28925, Stop: 27069, Start Num: 276

Candidate Starts for loannes_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (497, 28361), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (751, 27665), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Iracema64_46 Start: 31834, Stop: 30008, Start Num: 229

Candidate Starts for Iracema64_46:

(Start: 229 @31834 has 918 MA's), (250, 31813), (261, 31783), (273, 31753), (365, 31591), (376, 31573), (402, 31501), (404, 31492), (441, 31372), (448, 31348), (500, 31255), (517, 31207), (528, 31186), (543, 31147), (598, 31015), (611, 30994), (635, 30949), (640, 30937), (692, 30784), (695, 30763), (728, 30640), (735, 30610), (745, 30571), (765, 30505), (766, 30502), (771, 30487), (777, 30463), (786, 30439), (857, 30232), (898, 30097), (903, 30085), (909, 30076),

Gene: Iridoclysis_61 Start: 54348, Stop: 52489, Start Num: 197

Candidate Starts for Iridoclysis_61:

(Start: 175 @54372 has 5 MA's), (Start: 197 @54348 has 267 MA's), (Start: 231 @54324 has 5 MA's), (Start: 243 @54318 has 2 MA's), (260, 54276), (267, 54255), (316, 54141), (319, 54135), (337, 54105), (371, 54045), (381, 54024), (399, 53970), (403, 53958), (409, 53940), (413, 53928), (445, 53823), (486, 53766), (499, 53730), (502, 53718), (512, 53691), (524, 53664), (531, 53646), (539, 53628), (553, 53589), (556, 53580), (557, 53577), (664, 53319), (690, 53217), (696, 53184), (702, 53163), (729, 53070), (732, 53061), (747, 52998), (765, 52962), (766, 52959), (771, 52944), (796, 52866), (800, 52854), (806, 52833), (822, 52794), (857, 52704), (862, 52686), (864, 52680), (870, 52665), (879, 52641), (881, 52626), (882, 52623), (884, 52611), (892, 52587), (911, 52539), (922, 52515),

Gene: IronMan_44 Start: 32460, Stop: 30670, Start Num: 229

Candidate Starts for IronMan_44:

(Start: 229 @32460 has 918 MA's), (341, 32256), (347, 32247), (383, 32178), (394, 32151), (402, 32124), (448, 31971), (500, 31878), (516, 31830), (519, 31821), (528, 31806), (553, 31740), (567, 31707), (603, 31623), (649, 31542), (667, 31512), (695, 31386), (704, 31356), (707, 31335), (728, 31263), (732, 31251), (735, 31233), (745, 31194), (758, 31173), (765, 31152), (769, 31140), (828, 30972), (853, 30918), (857, 30894), (877, 30837), (881, 30816), (898, 30759), (903, 30747), (909, 30738),

Gene: IsaacEli_62 Start: 54547, Stop: 52688, Start Num: 197

Candidate Starts for IsaacEli_62:

(Start: 175 @54571 has 5 MA's), (Start: 197 @54547 has 267 MA's), (Start: 231 @54523 has 5 MA's), (Start: 243 @54517 has 2 MA's), (260, 54475), (267, 54454), (316, 54340), (319, 54334), (337, 54304), (371, 54244), (381, 54223), (399, 54169), (403, 54157), (409, 54139), (413, 54127), (445, 54022), (486, 53965), (499, 53929), (502, 53917), (505, 53908), (512, 53890), (524, 53863), (531, 53845), (539, 53827), (553, 53788), (556, 53779), (557, 53776), (558, 53773), (664, 53518), (690, 53416), (696, 53383), (702, 53362), (729, 53269), (732, 53260), (747, 53197), (765, 53161), (766, 53158), (771, 53143), (796, 53065), (800, 53053), (806, 53032), (822, 52993), (857, 52903), (862, 52885), (864, 52879), (870, 52864), (879, 52840), (881, 52825), (882, 52822), (884, 52810), (892,

52786), (911, 52738), (922, 52714),

Gene: Isca_44 Start: 30978, Stop: 29140, Start Num: 229

Candidate Starts for Isca_44:

(173, 31050), (Start: 229 @30978 has 918 MA's), (261, 30927), (341, 30774), (365, 30735), (382, 30702), (402, 30645), (404, 30636), (408, 30624), (441, 30516), (448, 30492), (500, 30396), (517, 30348), (543, 30288), (598, 30156), (611, 30135), (652, 30060), (668, 30021), (678, 29979), (695, 29898), (719, 29811), (728, 29775), (735, 29745), (766, 29634), (777, 29595), (786, 29571), (792, 29553), (793, 29550), (837, 29430), (840, 29424), (857, 29364), (898, 29229), (903, 29217), (909, 29208),

Gene: Isiphiwo_43 Start: 29164, Stop: 27323, Start Num: 229

Candidate Starts for Isiphiwo_43:

(Start: 229 @29164 has 918 MA's), (341, 28960), (382, 28885), (383, 28882), (394, 28855), (398, 28840), (402, 28828), (418, 28777), (444, 28687), (448, 28675), (500, 28582), (512, 28543), (519, 28525), (528, 28510), (553, 28444), (567, 28411), (569, 28408), (615, 28306), (649, 28246), (678, 28162), (695, 28081), (718, 27997), (719, 27994), (723, 27985), (728, 27958), (735, 27928), (758, 27868), (771, 27829), (777, 27805), (853, 27613), (854, 27610), (857, 27589), (898, 27454), (903, 27442), (909, 27433), (911, 27430), (947, 27337),

Gene: Iter_41 Start: 29603, Stop: 31468, Start Num: 229

Candidate Starts for Iter_41:

(Start: 229 @29603 has 918 MA's), (260, 29651), (347, 29816), (394, 29900), (421, 29990), (501, 30197), (504, 30206), (540, 30296), (543, 30305), (548, 30320), (611, 30458), (669, 30596), (695, 30716), (704, 30746), (719, 30803), (735, 30869), (764, 30962), (786, 31034), (898, 31364), (902, 31373),

Gene: ItsyBitsy1_57 Start: 52478, Stop: 50649, Start Num: 189

Candidate Starts for ItsyBitsy1_57:

(Start: 189 @52478 has 57 MA's), (Start: 243 @52451 has 2 MA's), (254, 52421), (260, 52409), (271, 52382), (273, 52379), (278, 52370), (298, 52352), (343, 52256), (371, 52205), (382, 52181), (391, 52157), (434, 52019), (442, 51995), (445, 51983), (486, 51926), (499, 51890), (502, 51878), (511, 51854), (546, 51770), (556, 51740), (557, 51737), (570, 51707), (633, 51563), (659, 51497), (676, 51446), (679, 51425), (684, 51407), (696, 51350), (723, 51266), (732, 51227), (747, 51161), (763, 51134), (765, 51125), (771, 51107), (777, 51083), (796, 51029), (800, 51017), (806, 50996), (840, 50927), (857, 50867), (862, 50849), (875, 50816), (879, 50804), (881, 50789), (882, 50786), (884, 50774), (892, 50750), (893, 50747), (911, 50699), (912, 50696), (922, 50675), (925, 50654),

Gene: IttyBittyPiggy_40 Start: 29144, Stop: 31009, Start Num: 229

Candidate Starts for IttyBittyPiggy_40:

(Start: 229 @29144 has 918 MA's), (260, 29192), (429, 29561), (501, 29738), (543, 29846), (548, 29861), (611, 29999), (669, 30137), (695, 30257), (719, 30344), (735, 30410), (764, 30503), (898, 30905), (902, 30914),

Gene: Iwokeuplikedis_47 Start: 31404, Stop: 29578, Start Num: 229

Candidate Starts for Iwokeuplikedis_47:

(Start: 229 @31404 has 918 MA's), (341, 31200), (347, 31191), (354, 31176), (365, 31161), (383, 31125), (394, 31098), (402, 31071), (408, 31050), (448, 30918), (500, 30825), (519, 30768), (528, 30753), (553, 30687), (588, 30606), (611, 30558), (614, 30552), (650, 30486), (678, 30414), (695, 30333), (707, 30282), (718, 30249), (719, 30246), (735, 30180), (745, 30141), (758, 30120), (781, 30045), (788, 30027), (802, 29982), (811, 29955), (828, 29919), (853, 29865), (857, 29841), (877, 29784), (881, 29763), (898, 29706), (903, 29694), (911, 29682), (948, 29589),

Gene: Ixel_38 Start: 27481, Stop: 25580, Start Num: 270

Candidate Starts for Ixel_38:

(Start: 270 @27481 has 147 MA's), (353, 27328), (355, 27325), (357, 27322), (384, 27271), (405, 27214), (408, 27205), (412, 27193), (415, 27187), (427, 27151), (443, 27097), (493, 26911), (498, 26902), (500, 26890), (509, 26860), (516, 26839), (521, 26827), (530, 26803), (612, 26653), (654, 26557), (694, 26392), (723, 26290), (735, 26233), (744, 26197), (746, 26191), (773, 26104), (783, 26059), (820, 25945), (844, 25885), (854, 25846), (858, 25822), (860, 25816), (869, 25789), (896, 25678),

Gene: JAMaL_53 Start: 54192, Stop: 52339, Start Num: 174

Candidate Starts for JAMaL_53:

(161, 54210), (Start: 174 @54192 has 2 MA's), (Start: 243 @54138 has 2 MA's), (253, 54111), (260, 54096), (298, 54024), (300, 54018), (328, 53955), (337, 53937), (343, 53928), (365, 53886), (370, 53877), (372, 53874), (382, 53853), (405, 53787), (420, 53745), (422, 53736), (425, 53733), (434, 53703), (486, 53610), (493, 53592), (499, 53574), (502, 53562), (511, 53538), (512, 53535), (556, 53424), (557, 53421), (558, 53418), (570, 53391), (586, 53355), (676, 53130), (677, 53127), (684, 53091), (691, 53061), (692, 53058), (696, 53034), (727, 52926), (729, 52920), (732, 52911), (765, 52812), (766, 52809), (771, 52794), (796, 52716), (800, 52704), (806, 52683), (808, 52674), (822, 52644), (840, 52614), (852, 52587), (857, 52554), (864, 52530), (879, 52491), (881, 52476), (882, 52473), (884, 52461), (892, 52437), (908, 52395), (911, 52389), (922, 52365),

Gene: JC27_45 Start: 34894, Stop: 33068, Start Num: 229

Candidate Starts for JC27_45:

(Start: 229 @34894 has 918 MA's), (347, 34681), (394, 34588), (400, 34567), (402, 34561), (404, 34552), (440, 34435), (448, 34408), (500, 34315), (504, 34300), (516, 34267), (539, 34216), (540, 34213), (566, 34147), (580, 34117), (592, 34087), (614, 34042), (635, 34003), (695, 33823), (705, 33775), (719, 33736), (735, 33670), (745, 33631), (758, 33610), (765, 33589), (771, 33571), (792, 33505), (853, 33355), (854, 33352), (861, 33316), (870, 33292), (874, 33283), (878, 33271), (883, 33244), (898, 33196), (909, 33175),

Gene: JDog_59 Start: 54563, Stop: 52704, Start Num: 197

Candidate Starts for JDog_59:

(Start: 175 @54587 has 5 MA's), (Start: 197 @54563 has 267 MA's), (Start: 231 @54539 has 5 MA's), (Start: 243 @54533 has 2 MA's), (260, 54491), (267, 54470), (316, 54356), (319, 54350), (337, 54320), (371, 54260), (381, 54239), (399, 54185), (403, 54173), (409, 54155), (413, 54143), (445, 54038), (486, 53981), (499, 53945), (502, 53933), (511, 53909), (516, 53897), (524, 53879), (531, 53861), (539, 53843), (553, 53804), (556, 53795), (557, 53792), (664, 53534), (690, 53432), (696, 53399), (702, 53378), (729, 53285), (732, 53276), (747, 53213), (765, 53177), (766, 53174), (771, 53159), (796, 53081), (800, 53069), (806, 53048), (822, 53009), (857, 52919), (862, 52901), (864, 52895), (870, 52880), (879, 52856), (881, 52841), (882, 52838), (884, 52826), (892, 52802), (911, 52754), (922, 52730),

Gene: JF2_45 Start: 30729, Stop: 28891, Start Num: 229

Candidate Starts for JF2_45:

(173, 30801), (Start: 229 @30729 has 918 MA's), (261, 30678), (341, 30525), (365, 30486), (382, 30453), (402, 30396), (404, 30387), (408, 30375), (441, 30267), (448, 30243), (500, 30147), (517, 30099), (543, 30039), (598, 29907), (611, 29886), (649, 29817), (668, 29772), (678, 29730), (695, 29649), (719, 29562), (728, 29526), (735, 29496), (766, 29385), (777, 29346), (786, 29322), (792, 29304), (837, 29181), (840, 29175), (857, 29115), (897, 28983), (898, 28980), (903, 28968), (909, 28959),

Gene: JF4_45 Start: 30729, Stop: 28891, Start Num: 229

Candidate Starts for JF4_45:

(173, 30801), (Start: 229 @30729 has 918 MA's), (261, 30678), (341, 30525), (365, 30486), (382, 30453), (402, 30396), (404, 30387), (408, 30375), (441, 30267), (448, 30243), (500, 30147), (517, 30099), (543, 30039), (598, 29907), (611, 29886), (649, 29817), (668, 29772), (678, 29730), (695, 29649), (719, 29562), (728, 29526), (735, 29496), (766, 29385), (777, 29346), (786, 29322), (792, 29304), (837, 29181), (840, 29175), (857, 29115), (897, 28983), (898, 28980), (903, 28968), (909, 28959),

Gene: JHC117_48 Start: 31851, Stop: 30037, Start Num: 229

Candidate Starts for JHC117_48:

(Start: 229 @31851 has 918 MA's), (255, 31812), (261, 31800), (341, 31647), (349, 31632), (382, 31575), (402, 31518), (404, 31509), (418, 31467), (432, 31416), (448, 31365), (500, 31272), (516, 31224), (519, 31215), (528, 31200), (543, 31161), (553, 31134), (566, 31104), (607, 31011), (639, 30951), (649, 30936), (695, 30780), (719, 30693), (735, 30627), (745, 30588), (766, 30516), (777, 30477), (786, 30453), (792, 30435), (802, 30402), (811, 30375), (840, 30321), (857, 30261), (881, 30183), (898, 30126), (903, 30114), (909, 30105),

Gene: JSwag_46 Start: 29679, Stop: 27889, Start Num: 229

Candidate Starts for JSwag_46:

(Start: 229 @29679 has 918 MA's), (327, 29505), (382, 29400), (383, 29397), (394, 29370), (402, 29343), (418, 29292), (448, 29190), (500, 29097), (514, 29052), (516, 29049), (519, 29040), (588, 28878), (598, 28851), (611, 28830), (614, 28824), (669, 28725), (678, 28686), (690, 28635), (695, 28605), (707, 28554), (718, 28521), (726, 28488), (728, 28482), (735, 28452), (758, 28392), (765, 28371), (777, 28329), (787, 28302), (792, 28287), (823, 28200), (853, 28137), (854, 28134), (898, 27978), (903, 27966), (911, 27954),

Gene: Jaan_45 Start: 32749, Stop: 30959, Start Num: 229

Candidate Starts for Jaan_45:

(Start: 229 @32749 has 918 MA's), (341, 32545), (347, 32536), (383, 32467), (394, 32440), (402, 32413), (448, 32260), (500, 32167), (516, 32119), (519, 32110), (528, 32095), (553, 32029), (567, 31996), (603, 31912), (649, 31831), (667, 31801), (695, 31675), (707, 31624), (728, 31552), (735, 31522), (745, 31483), (758, 31462), (765, 31441), (769, 31429), (828, 31261), (853, 31207), (857, 31183), (877, 31126), (881, 31105), (898, 31048), (903, 31036), (909, 31027),

Gene: Jabiru_39 Start: 30201, Stop: 28336, Start Num: 229

Candidate Starts for Jabiru_39:

(Start: 229 @30201 has 918 MA's), (296, 30090), (341, 29997), (343, 29994), (382, 29925), (394, 29895), (402, 29868), (404, 29859), (432, 29766), (437, 29751), (448, 29715), (489, 29655), (500, 29619), (516, 29571), (527, 29550), (528, 29547), (550, 29487), (586, 29409), (607, 29361), (614, 29349), (639, 29301), (664, 29250), (695, 29115), (705, 29067), (714, 29049), (719, 29028), (723, 29019), (729, 28989), (735, 28962), (736, 28959), (765, 28881), (771, 28863), (786, 28815), (802, 28764), (823, 28710), (828, 28701), (840, 28683), (862, 28605), (898, 28488), (903, 28476), (947, 28371),

Gene: Jabith_45 Start: 30836, Stop: 29049, Start Num: 229

Candidate Starts for Jabith_45:

(Start: 229 @30836 has 918 MA's), (341, 30632), (382, 30560), (394, 30530), (402, 30503), (501, 30251), (519, 30200), (553, 30119), (575, 30074), (576, 30071), (611, 29990), (640, 29933), (667, 29891), (678, 29846), (695, 29765), (707, 29714), (719, 29678), (735, 29612), (758, 29552), (795, 29438), (802, 29414), (807, 29396), (840, 29333), (852, 29306), (853, 29297), (857, 29273), (898, 29138), (903, 29126), (909, 29117),

Gene: JacAttac_62 Start: 54010, Stop: 52151, Start Num: 197

Candidate Starts for JacAttac_62:

(Start: 175 @54034 has 5 MA's), (Start: 197 @54010 has 267 MA's), (Start: 231 @53986 has 5 MA's), (Start: 243 @53980 has 2 MA's), (260, 53938), (267, 53917), (316, 53803), (319, 53797), (337, 53767), (371, 53707), (381, 53686), (399, 53632), (403, 53620), (409, 53602), (413, 53590), (445, 53485), (486, 53428), (499, 53392), (502, 53380), (511, 53356), (516, 53344), (524, 53326), (531, 53308), (539, 53290), (553, 53251), (556, 53242), (557, 53239), (558, 53236), (690, 52879), (696, 52846), (702, 52825), (729, 52732), (732, 52723), (747, 52660), (765, 52624), (766, 52621), (771, 52606), (796, 52528), (800, 52516), (806, 52495), (822, 52456), (857, 52366), (862, 52348), (864, 52342), (870, 52327), (879, 52303), (881, 52288), (882, 52285), (884, 52273), (892, 52249), (911, 52201), (922, 52177),

Gene: JackSparrow_46 Start: 35167, Stop: 33338, Start Num: 229

Candidate Starts for JackSparrow_46:

(Start: 229 @35167 has 918 MA's), (347, 34954), (394, 34861), (400, 34840), (402, 34834), (404, 34825), (440, 34708), (448, 34681), (500, 34588), (504, 34573), (516, 34540), (539, 34489), (540, 34486), (566, 34420), (580, 34390), (592, 34360), (614, 34315), (635, 34276), (695, 34096), (705, 34048), (723, 34000), (732, 33961), (735, 33943), (745, 33904), (758, 33883), (765, 33862), (770, 33847), (808, 33724), (875, 33553), (880, 33529), (895, 33481), (898, 33469), (909, 33448), (912, 33442), (928, 33394), (935, 33379),

Gene: Jackstina_54 Start: 53566, Stop: 51749, Start Num: 238

Candidate Starts for Jackstina_54:

(Start: 238 @53566 has 44 MA's), (253, 53536), (347, 53356), (408, 53203), (412, 53191), (422, 53161), (426, 53155), (445, 53092), (447, 53086), (486, 53035), (499, 52999), (516, 52951), (557, 52846), (596, 52750), (627, 52699), (676, 52555), (684, 52516), (691, 52486), (696, 52459), (700, 52447), (727, 52351), (729, 52345), (732, 52336), (734, 52324), (759, 52252), (765, 52222), (771, 52204), (773, 52195), (796, 52126), (800, 52114), (806, 52093), (840, 52024), (849, 52009), (854, 51985), (857, 51964), (864, 51940), (879, 51901), (882, 51883), (884, 51871), (888, 51859), (892, 51847), (908, 51805), (922, 51775),

Gene: JacoRen57_40 Start: 35060, Stop: 32673, Start Num: 55

Candidate Starts for JacoRen57_40:

(35, 35138), (Start: 39 @35114 has 23 MA's), (Start: 49 @35084 has 1 MA's), (Start: 55 @35060 has 1 MA's), (Start: 70 @35009 has 1 MA's), (72, 35003), (108, 34895), (114, 34880), (121, 34850), (136, 34823), (156, 34793), (Start: 188 @34739 has 5 MA's), (198, 34727), (204, 34718), (298, 34562), (382, 34406), (427, 34277), (432, 34259), (466, 34154), (469, 34136), (472, 34121), (489, 34061), (543, 33944), (547, 33932), (565, 33920), (616, 33842), (650, 33773), (688, 33638), (721, 33503), (726, 33476), (728, 33470), (737, 33431), (744, 33404), (746, 33398), (748, 33392), (750, 33386), (766, 33329), (773, 33305), (845, 33083), (885, 32912), (896, 32879), (910, 32834), (920, 32810), (959, 32684),

Gene: Jaek_55 Start: 36879, Stop: 34711, Start Num: 218

Candidate Starts for Jaek_55:

(215, 36882), (Start: 218 @36879 has 13 MA's), (253, 36825), (291, 36741), (354, 36588), (359, 36579), (382, 36534), (403, 36456), (406, 36447), (411, 36432), (417, 36417), (418, 36414), (434, 36357), (461, 36264), (467, 36222), (523, 36027), (527, 36015), (529, 36009), (539, 35985), (546, 35964), (555, 35943), (559, 35928), (563, 35922), (591, 35859), (614, 35808), (644, 35721), (666, 35661), (678, 35613), (703, 35511), (704, 35505), (709, 35478), (710, 35475), (718, 35454), (729, 35412), (731, 35406), (736, 35382), (743, 35340), (744, 35337), (752, 35310), (760, 35277), (764, 35265), (774, 35229), (781, 35205), (783, 35199), (786, 35193), (803, 35139), (822, 35091), (823, 35088), (848, 35028), (853, 35004), (859, 34974), (876, 34920), (895, 34851), (898, 34839), (911, 34800),

Gene: JaguarMi_55 Start: 55103, Stop: 53277, Start Num: 189

Candidate Starts for JaguarMi_55:

(Start: 175 @55121 has 5 MA's), (Start: 189 @55103 has 57 MA's), (Start: 243 @55076 has 2 MA's), (253, 55049), (260, 55034), (267, 55013), (308, 54926), (316, 54908), (368, 54821), (381, 54794), (386, 54779), (409, 54713), (420, 54683), (422, 54674), (425, 54671), (426, 54668), (434, 54641), (486, 54548), (493, 54530), (499, 54512), (502, 54500), (512, 54473), (539, 54410), (553, 54371), (556, 54362), (557, 54359), (570, 54329), (586, 54293), (676, 54068), (677, 54065), (684, 54029), (690, 54005), (696, 53972), (727, 53864), (729, 53858), (732, 53849), (765, 53750), (766, 53747), (771, 53732), (796, 53654), (800, 53642), (806, 53621), (808, 53612), (822, 53582), (840, 53552), (852, 53525), (857, 53492), (862, 53474), (864, 53468), (879, 53429), (882, 53411), (884, 53399), (892, 53375), (908, 53333), (911, 53327), (922, 53303),

Gene: JakeO_61 Start: 54286, Stop: 52427, Start Num: 197

Candidate Starts for JakeO_61:

(Start: 175 @54310 has 5 MA's), (Start: 197 @54286 has 267 MA's), (Start: 231 @54262 has 5 MA's), (Start: 243 @54256 has 2 MA's), (260, 54214), (267, 54193), (316, 54079), (319, 54073), (337, 54043), (371, 53983), (381, 53962), (399, 53908), (403, 53896), (409, 53878), (413, 53866), (445, 53761), (486, 53704), (499, 53668), (502, 53656), (511, 53632), (516, 53620), (524, 53602), (531, 53584), (539, 53566), (553, 53527), (556, 53518), (557, 53515), (558, 53512), (690, 53155), (696, 53122), (702, 53101), (729, 53008), (732, 52999), (747, 52936), (765, 52900), (766, 52897), (771, 52882), (796, 52804), (800, 52792), (806, 52771), (822, 52732), (857, 52642), (862, 52624), (864, 52618), (870, 52603), (879, 52579), (881, 52564), (882, 52561), (884, 52549), (892, 52525), (898, 52504), (911, 52477), (922, 52453), (924, 52438),

Gene: Jamzy_48 Start: 33115, Stop: 30731, Start Num: 39

Candidate Starts for Jamzy_48:

(Start: 39 @33115 has 23 MA's), (76, 33001), (83, 32971), (116, 32887), (121, 32863), (160, 32809), (241, 32704), (248, 32689), (266, 32641), (311, 32566), (313, 32560), (315, 32554), (317, 32548), (352, 32479), (366, 32455), (379, 32431), (399, 32374), (405, 32356), (412, 32335), (460, 32188), (489, 32074), (504, 32017), (511, 31996), (513, 31990), (594, 31897), (601, 31885), (634, 31813), (659, 31759), (693, 31618), (699, 31594), (712, 31543), (735, 31450), (744, 31414), (746, 31408), (748, 31402), (750, 31396), (766, 31339), (773, 31315), (820, 31156), (830, 31135), (844, 31096), (854, 31057), (857, 31036), (863, 31015), (868, 31003), (873, 30985), (885, 30922), (887, 30916), (896, 30889), (902, 30865), (910, 30844), (944, 30757),

Gene: Janeemi_43 Start: 31325, Stop: 33190, Start Num: 229

Candidate Starts for Janeemi_43:

(Start: 229 @31325 has 918 MA's), (260, 31373), (341, 31529), (394, 31622), (400, 31643), (421, 31712), (504, 31928), (540, 32018), (543, 32027), (548, 32042), (553, 32054), (588, 32132), (611, 32180), (640, 32237), (669, 32318), (695, 32438), (719, 32525), (735, 32591), (764, 32684), (786, 32756), (825, 32864), (849, 32906), (857, 32951), (895, 33074), (898, 33086), (902, 33095), (936, 33173),

Gene: JangoPhett_60 Start: 54351, Stop: 52492, Start Num: 197

Candidate Starts for JangoPhett_60:

(Start: 175 @54375 has 5 MA's), (Start: 197 @54351 has 267 MA's), (Start: 231 @54327 has 5 MA's), (Start: 243 @54321 has 2 MA's), (260, 54279), (267, 54258), (316, 54144), (319, 54138), (337, 54108), (371, 54048), (381, 54027), (399, 53973), (403, 53961), (409, 53943), (413, 53931), (445, 53826), (486, 53769), (499, 53733), (502, 53721), (511, 53697), (516, 53685), (524, 53667), (531, 53649), (539, 53631), (553, 53592), (556, 53583), (557, 53580), (558, 53577), (690, 53220), (696, 53187), (702, 53166), (729, 53073), (732, 53064), (747, 53001), (765, 52965), (766, 52962), (771, 52947), (796, 52869), (800, 52857), (806, 52836), (822, 52797), (857, 52707), (862, 52689), (864, 52683), (870, 52668), (879, 52644), (881, 52629), (882, 52626), (884, 52614), (892, 52590), (911, 52542), (922, 52518),

Gene: Janus167_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for Janus167_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: Jasmine_38 Start: 33398, Stop: 31653, Start Num: 257

Candidate Starts for Jasmine_38:

(247, 33425), (Start: 257 @33398 has 6 MA's), (259, 33395), (272, 33362), (274, 33356), (321, 33263), (339, 33230), (354, 33203), (414, 33068), (453, 32939), (481, 32933), (487, 32909), (495, 32894), (502, 32867), (512, 32837), (543, 32756), (573, 32687), (583, 32666), (637, 32552), (645, 32534), (728, 32231), (745, 32156), (758, 32138), (778, 32072), (861, 31838), (875, 31796), (898, 31712), (912, 31679),

Gene: JasmineDragon_45 Start: 30557, Stop: 32419, Start Num: 229

Candidate Starts for JasmineDragon_45:

(151, 30458), (Start: 162 @30476 has 2 MA's), (Start: 229 @30557 has 918 MA's), (260, 30605), (343, 30764), (347, 30770), (400, 30875), (415, 30920), (497, 31127), (543, 31256), (588, 31361), (611, 31409), (651, 31493), (695, 31667), (718, 31751), (726, 31784), (729, 31793), (741, 31844), (764, 31913), (799, 32024), (825, 32093), (828, 32099), (864, 32204), (898, 32315),

Gene: JasonD_43 Start: 29488, Stop: 27620, Start Num: 270

Candidate Starts for JasonD_43:

(Start: 216 @29575 has 3 MA's), (219, 29572), (Start: 270 @29488 has 147 MA's), (Start: 276 @29479 has 5 MA's), (355, 29332), (408, 29212), (412, 29200), (415, 29194), (493, 28921), (498, 28912), (500, 28900), (509, 28870), (514, 28855), (516, 28849), (518, 28843), (547, 28768), (669, 28522), (728, 28306), (731, 28297), (732, 28294), (735, 28276), (746, 28234), (773, 28144), (783, 28099), (820, 27985), (836, 27946), (854, 27886), (858, 27862), (860, 27856), (870, 27823), (879, 27790), (880, 27778),

Gene: Jasper_46 Start: 34284, Stop: 32455, Start Num: 229

Candidate Starts for Jasper_46:

(Start: 229 @34284 has 918 MA's), (347, 34071), (354, 34056), (382, 34008), (394, 33978), (400, 33957), (402, 33951), (404, 33942), (440, 33825), (448, 33798), (500, 33705), (504, 33690), (511, 33669), (516, 33657), (539, 33606), (540, 33603), (566, 33537), (580, 33507), (592, 33477), (614, 33432), (635, 33393), (695, 33213), (705, 33165), (723, 33117), (732, 33078), (735, 33060), (745, 33021), (758, 33000), (765, 32979), (770, 32964), (808, 32841), (875, 32670), (880, 32646), (895, 32598), (898, 32586), (909, 32565), (912, 32559), (928, 32511), (935, 32496),

Gene: JasperRussell_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for JasperRussell_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: Jaykayelowell_43 Start: 31563, Stop: 29737, Start Num: 229

Candidate Starts for Jaykayelowell_43:

(Start: 229 @31563 has 918 MA's), (250, 31542), (261, 31512), (273, 31482), (365, 31320), (376, 31302), (402, 31230), (404, 31221), (441, 31101), (448, 31077), (500, 30984), (517, 30936), (528, 30915), (543, 30876), (598, 30744), (611, 30723), (635, 30678), (640, 30666), (692, 30513), (695, 30492), (728, 30369), (735, 30339), (745, 30300), (765, 30234), (766, 30231), (771, 30216), (777, 30192), (786, 30168), (857, 29961), (898, 29826), (903, 29814), (909, 29805),

Gene: Jeeves_50 Start: 31954, Stop: 30161, Start Num: 229

Candidate Starts for Jeeves_50:

(Start: 229 @31954 has 918 MA's), (Start: 244 @31945 has 1 MA's), (296, 31843), (341, 31750), (382, 31675), (383, 31672), (402, 31618), (441, 31489), (448, 31465), (500, 31372), (514, 31327), (553, 31234), (566, 31204), (635, 31057), (666, 31006), (678, 30958), (695, 30877), (714, 30811), (728, 30754), (735, 30724), (758, 30664), (765, 30643), (802, 30526), (811, 30499), (852, 30418), (853, 30409), (877, 30328), (881, 30307), (883, 30298), (898, 30250), (903, 30238), (909, 30229), (911, 30226),

Gene: Jeffabunny_45 Start: 29478, Stop: 27607, Start Num: 203

Candidate Starts for Jeffabunny_45:

(Start: 203 @29478 has 1 MA's), (Start: 229 @29448 has 918 MA's), (341, 29244), (382, 29169), (383, 29166), (394, 29139), (398, 29124), (402, 29112), (418, 29061), (444, 28971), (448, 28959), (500, 28866), (512, 28827), (519, 28809), (528, 28794), (553, 28728), (567, 28695), (569, 28692), (615, 28590), (649, 28530), (678, 28446), (695, 28365), (718, 28281), (719, 28278), (723, 28269), (728, 28242), (735, 28212), (758, 28152), (771, 28113), (853, 27897), (854, 27894), (857, 27873), (898, 27738), (903, 27726), (909, 27717), (911, 27714), (947, 27621),

Gene: Jemerald_40 Start: 29369, Stop: 27471, Start Num: 270

Candidate Starts for Jemerald_40:

(Start: 270 @29369 has 147 MA's), (344, 29231), (353, 29216), (357, 29210), (384, 29159), (405, 29102), (412, 29081), (415, 29075), (430, 29027), (431, 29024), (463, 28925), (474, 28877), (493, 28802), (498, 28793), (500, 28781), (509, 28751), (516, 28730), (522, 28715), (547, 28649), (629, 28502), (656, 28442), (661, 28427), (670, 28400), (726, 28160), (735, 28124), (746, 28082), (757, 28052), (773, 27995), (816, 27851), (820, 27836), (836, 27797), (844, 27776), (858, 27713), (869, 27680), (880, 27629), (882, 27623), (896, 27569),

Gene: JenCasNa_49 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for JenCasNa_49:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (639, 30952), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Jenos_42 Start: 30134, Stop: 28266, Start Num: 270

Candidate Starts for Jenos_42:

(263, 30149), (Start: 270 @30134 has 147 MA's), (Start: 276 @30125 has 5 MA's), (353, 29981), (355, 29978), (405, 29867), (408, 29858), (412, 29846), (415, 29840), (449, 29735), (474, 29642), (493, 29567), (498, 29558), (500, 29546), (508, 29519), (509, 29516), (514, 29501), (516, 29495), (518, 29489), (602, 29327), (728, 28952), (731, 28943), (732, 28940), (735, 28922), (746, 28880), (773, 28790), (781, 28763), (820, 28631), (836, 28592), (854, 28532), (858, 28508), (870, 28469), (879, 28436), (880, 28424),

Gene: JeppNRM_49 Start: 31754, Stop: 29940, Start Num: 229

Candidate Starts for JeppNRM_49:

(Start: 229 @31754 has 918 MA's), (255, 31715), (261, 31703), (341, 31550), (349, 31535), (382, 31478), (402, 31421), (404, 31412), (418, 31370), (432, 31319), (448, 31268), (500, 31175), (516, 31127), (528, 31103), (543, 31064), (553, 31037), (566, 31007), (605, 30917), (607, 30914), (614, 30902), (639, 30854), (649, 30839), (695, 30683), (707, 30632), (718, 30599), (719, 30596), (735, 30530), (745, 30491), (766, 30419), (777, 30380), (786, 30356), (792, 30338), (802, 30305), (840, 30224), (857, 30164), (862, 30146), (881, 30086), (883, 30077), (898, 30029), (903, 30017), (909, 30008),

Gene: Jerbirus_39 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for Jerbirus_39:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: JeriBeth_39 Start: 28482, Stop: 26617, Start Num: 270

Candidate Starts for JeriBeth_39:

(Start: 216 @28569 has 3 MA's), (219, 28566), (Start: 270 @28482 has 147 MA's), (Start: 276 @28473 has 5 MA's), (333, 28368), (336, 28359), (353, 28329), (355, 28326), (408, 28206), (412, 28194), (415, 28188), (449, 28083), (456, 28056), (493, 27915), (497, 27909), (498, 27906), (500, 27894), (508, 27867), (509, 27864), (514, 27849), (516, 27843), (518, 27837), (531, 27804), (602, 27675), (629, 27615), (728, 27300), (731, 27291), (732, 27288), (735, 27270), (746, 27228), (748, 27222), (751, 27213), (756, 27198), (773, 27141), (820, 26982), (834, 26952), (836, 26943), (854, 26883), (858, 26859), (870, 26820), (879, 26787), (880, 26775), (896, 26715),

Gene: Jerm_46 Start: 31734, Stop: 29947, Start Num: 229

Candidate Starts for Jerm_46:

(154, 31821), (Start: 229 @31734 has 918 MA's), (343, 31527), (347, 31521), (354, 31506), (365, 31491), (383, 31455), (394, 31428), (402, 31401), (408, 31380), (448, 31248), (500, 31155), (516, 31107), (519, 31098), (528, 31083), (553, 31017), (588, 30936), (611, 30888), (614, 30882), (649, 30819), (695, 30663), (707, 30612), (718, 30579), (719, 30576), (735, 30510), (745, 30471), (758, 30450), (781, 30375), (786, 30363), (802, 30312), (828, 30249), (840, 30231), (853, 30195), (857, 30171), (881, 30093), (898, 30036), (903, 30024), (909, 30015),

Gene: Jerm2_45 Start: 34938, Stop: 33109, Start Num: 229

Candidate Starts for Jerm2_45:

(Start: 229 @34938 has 918 MA's), (347, 34725), (354, 34710), (382, 34662), (394, 34632), (400, 34611), (402, 34605), (404, 34596), (440, 34479), (448, 34452), (500, 34359), (504, 34344), (539, 34260), (540, 34257), (566, 34191), (580, 34161), (592, 34131), (614, 34086), (635, 34047), (695, 33867), (705, 33819), (723, 33771), (732, 33732), (735, 33714), (745, 33675), (758, 33654), (765, 33633), (808, 33495), (875, 33324), (880, 33300), (890, 33267), (895, 33252), (898, 33240), (909, 33219), (912, 33213), (928, 33165), (935, 33150),

Gene: Jester_36 Start: 28049, Stop: 26265, Start Num: 229

Candidate Starts for Jester_36:

(Start: 229 @28049 has 918 MA's), (361, 27815), (378, 27785), (381, 27776), (382, 27773), (398, 27728), (402, 27716), (418, 27665), (448, 27563), (477, 27542), (500, 27470), (516, 27422), (543,

27359), (553, 27332), (598, 27227), (614, 27200), (635, 27161), (695, 26981), (705, 26933), (735, 26828), (736, 26825), (758, 26768), (765, 26747), (804, 26624), (837, 26555), (853, 26513), (857, 26489), (881, 26411), (898, 26354), (903, 26342), (925, 26285),

Gene: JetBlade_45 Start: 31564, Stop: 29738, Start Num: 229

Candidate Starts for JetBlade_45:

(Start: 229 @31564 has 918 MA's), (250, 31543), (261, 31513), (273, 31483), (365, 31321), (376, 31303), (402, 31231), (404, 31222), (441, 31102), (448, 31078), (500, 30985), (517, 30937), (528, 30916), (543, 30877), (598, 30745), (611, 30724), (635, 30679), (640, 30667), (692, 30514), (695, 30493), (728, 30370), (735, 30340), (745, 30301), (765, 30235), (766, 30232), (771, 30217), (777, 30193), (786, 30169), (857, 29962), (862, 29944), (898, 29827), (903, 29815), (909, 29806),

Gene: JewelBug_47 Start: 29796, Stop: 27955, Start Num: 229

Candidate Starts for JewelBug_47:

(Start: 229 @29796 has 918 MA's), (341, 29592), (382, 29517), (383, 29514), (394, 29487), (398, 29472), (402, 29460), (418, 29409), (444, 29319), (448, 29307), (500, 29214), (512, 29175), (519, 29157), (528, 29142), (553, 29076), (567, 29043), (569, 29040), (615, 28938), (649, 28878), (678, 28794), (695, 28713), (718, 28629), (719, 28626), (723, 28617), (728, 28590), (735, 28560), (758, 28500), (771, 28461), (853, 28245), (854, 28242), (857, 28221), (898, 28086), (903, 28074), (909, 28065), (911, 28062), (947, 27969),

Gene: Jiawan_43 Start: 31526, Stop: 29733, Start Num: 229

Candidate Starts for Jiawan_43:

(Start: 229 @31526 has 918 MA's), (Start: 244 @31517 has 1 MA's), (261, 31475), (325, 31355), (327, 31352), (350, 31304), (383, 31244), (395, 31214), (398, 31202), (402, 31190), (448, 31037), (500, 30944), (553, 30806), (566, 30776), (640, 30617), (649, 30605), (666, 30578), (692, 30470), (695, 30449), (732, 30314), (735, 30296), (765, 30215), (777, 30173), (802, 30098), (837, 30023), (853, 29981), (881, 29879), (898, 29822), (903, 29810), (909, 29801),

Gene: Jillium_60 Start: 54555, Stop: 52696, Start Num: 197

Candidate Starts for Jillium_60:

(Start: 175 @54579 has 5 MA's), (Start: 197 @54555 has 267 MA's), (Start: 231 @54531 has 5 MA's), (Start: 243 @54525 has 2 MA's), (260, 54483), (267, 54462), (316, 54348), (319, 54342), (337, 54312), (371, 54252), (381, 54231), (399, 54177), (403, 54165), (409, 54147), (413, 54135), (445, 54030), (486, 53973), (499, 53937), (502, 53925), (511, 53901), (516, 53889), (524, 53871), (531, 53853), (539, 53835), (553, 53796), (556, 53787), (557, 53784), (558, 53781), (690, 53424), (696, 53391), (702, 53370), (729, 53277), (732, 53268), (747, 53205), (765, 53169), (766, 53166), (771, 53151), (796, 53073), (800, 53061), (806, 53040), (822, 53001), (857, 52911), (862, 52893), (864, 52887), (870, 52872), (879, 52848), (881, 52833), (882, 52830), (884, 52818), (892, 52794), (911, 52746), (922, 52722),

Gene: Jiminy_61 Start: 54122, Stop: 52263, Start Num: 197

Candidate Starts for Jiminy_61:

(Start: 175 @54146 has 5 MA's), (Start: 197 @54122 has 267 MA's), (Start: 231 @54098 has 5 MA's), (Start: 243 @54092 has 2 MA's), (260, 54050), (267, 54029), (316, 53915), (319, 53909), (337, 53879), (371, 53819), (381, 53798), (399, 53744), (403, 53732), (409, 53714), (413, 53702), (445, 53597), (486, 53540), (499, 53504), (502, 53492), (511, 53468), (516, 53456), (524, 53438), (531, 53420), (539, 53402), (553, 53363), (556, 53354), (557, 53351), (558, 53348), (664, 53093), (690, 52991), (696, 52958), (702, 52937), (729, 52844), (732, 52835), (747, 52772), (765, 52736), (766, 52733), (771, 52718), (796, 52640), (800, 52628), (806, 52607), (822, 52568), (857, 52478), (862, 52460), (864, 52454), (870, 52439), (879, 52415), (881, 52400), (882, 52397), (884, 52385), (892, 52361), (898, 52340), (911, 52313), (922, 52289), (924, 52274),

Gene: Jiraiya_64 Start: 54320, Stop: 52461, Start Num: 197

Candidate Starts for Jiraiya_64:

(Start: 175 @54344 has 5 MA's), (Start: 197 @54320 has 267 MA's), (Start: 231 @54296 has 5 MA's), (Start: 243 @54290 has 2 MA's), (260, 54248), (267, 54227), (316, 54113), (319, 54107), (337, 54077), (371, 54017), (381, 53996), (399, 53942), (403, 53930), (409, 53912), (413, 53900), (445, 53795), (486, 53738), (499, 53702), (502, 53690), (512, 53663), (531, 53618), (553, 53561), (556, 53552), (557, 53549), (690, 53189), (696, 53156), (702, 53135), (729, 53042), (732, 53033), (747, 52970), (765, 52934), (766, 52931), (771, 52916), (796, 52838), (800, 52826), (806, 52805), (822, 52766), (857, 52676), (862, 52658), (864, 52652), (870, 52637), (879, 52613), (881, 52598), (882, 52595), (884, 52583), (892, 52559), (911, 52511), (922, 52487), (924, 52472),

Gene: Jobu08_47 Start: 31685, Stop: 29871, Start Num: 229

Candidate Starts for Jobu08_47:

(Start: 229 @31685 has 918 MA's), (255, 31646), (261, 31634), (341, 31481), (349, 31466), (382, 31409), (402, 31352), (404, 31343), (418, 31301), (432, 31250), (448, 31199), (500, 31106), (516, 31058), (519, 31049), (528, 31034), (543, 30995), (553, 30968), (566, 30938), (607, 30845), (614, 30833), (639, 30785), (649, 30770), (695, 30614), (719, 30527), (735, 30461), (745, 30422), (766, 30350), (777, 30311), (786, 30287), (792, 30269), (802, 30236), (811, 30209), (840, 30155), (857, 30095), (881, 30017), (898, 29960), (903, 29948), (909, 29939),

Gene: Joemato_41 Start: 29704, Stop: 31569, Start Num: 229

Candidate Starts for Joemato_41:

(Start: 130 @29560 has 1 MA's), (Start: 139 @29587 has 1 MA's), (141, 29590), (154, 29617), (Start: 229 @29704 has 918 MA's), (260, 29752), (394, 30001), (408, 30049), (421, 30091), (501, 30298), (504, 30307), (540, 30397), (543, 30406), (548, 30421), (567, 30466), (588, 30511), (611, 30559), (640, 30616), (669, 30697), (689, 30784), (695, 30817), (704, 30847), (719, 30904), (735, 30970), (764, 31063), (786, 31135), (825, 31243), (853, 31306), (857, 31330), (891, 31441), (898, 31465), (902, 31474),

Gene: JohnDoe_41 Start: 29700, Stop: 31565, Start Num: 229

Candidate Starts for JohnDoe_41:

(Start: 229 @29700 has 918 MA's), (260, 29748), (394, 29997), (408, 30045), (421, 30087), (501, 30294), (504, 30303), (540, 30393), (543, 30402), (548, 30417), (567, 30462), (588, 30507), (611, 30555), (640, 30612), (669, 30693), (689, 30780), (695, 30813), (704, 30843), (719, 30900), (735, 30966), (741, 30990), (764, 31059), (786, 31131), (825, 31239), (853, 31302), (857, 31326), (891, 31437), (897, 31458), (898, 31461), (902, 31470), (920, 31506),

Gene: Johnathan_41 Start: 28861, Stop: 30735, Start Num: 229

Candidate Starts for Johnathan_41:

(Start: 226 @28858 has 7 MA's), (Start: 229 @28861 has 918 MA's), (266, 28930), (280, 28951), (404, 29197), (418, 29239), (510, 29452), (543, 29533), (648, 29767), (683, 29890), (695, 29950), (698, 29956), (707, 30001), (714, 30016), (716, 30031), (726, 30067), (735, 30103), (764, 30196), (793, 30289), (821, 30367), (853, 30439), (861, 30478), (877, 30520), (880, 30538), (891, 30574), (898, 30598), (909, 30619),

Gene: Jolie1_052 Start: 52581, Stop: 50743, Start Num: 193

Candidate Starts for Jolie1_052:

(67, 52887), (81, 52845), (84, 52830), (Start: 193 @52581 has 2 MA's), (253, 52524), (260, 52509), (296, 52443), (297, 52440), (371, 52287), (373, 52284), (382, 52263), (399, 52212), (401, 52206), (408, 52188), (422, 52146), (425, 52143), (434, 52113), (486, 52020), (499, 51984), (502, 51972), (524, 51918), (548, 51858), (556, 51834), (557, 51831), (586, 51765), (677, 51531), (679, 51513), (684, 51495), (696, 51438), (727, 51330), (729, 51324), (732, 51315), (747, 51252), (765, 51216), (766, 51213), (771, 51198), (796, 51120), (800, 51108), (806, 51087), (807, 51081), (822, 51048),

(840, 51018), (849, 51003), (853, 50982), (857, 50958), (864, 50934), (879, 50895), (880, 50883), (881, 50880), (882, 50877), (884, 50865), (892, 50841), (922, 50769), (925, 50748),

Gene: JoongJeon_44 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for JoongJeon_44:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Jordennis_45 Start: 29635, Stop: 27794, Start Num: 229

Candidate Starts for Jordennis_45:

(Start: 229 @29635 has 918 MA's), (341, 29431), (382, 29356), (383, 29353), (394, 29326), (398, 29311), (402, 29299), (418, 29248), (444, 29158), (448, 29146), (500, 29053), (512, 29014), (519, 28996), (528, 28981), (553, 28915), (567, 28882), (569, 28879), (615, 28777), (649, 28717), (678, 28633), (695, 28552), (718, 28468), (719, 28465), (723, 28456), (728, 28429), (732, 28417), (735, 28399), (758, 28339), (771, 28300), (853, 28084), (854, 28081), (857, 28060), (898, 27925), (903, 27913), (909, 27904), (911, 27901), (947, 27808),

Gene: Jorgensen_45 Start: 34588, Stop: 32762, Start Num: 229

Candidate Starts for Jorgensen_45:

(Start: 229 @34588 has 918 MA's), (347, 34375), (354, 34360), (382, 34312), (394, 34282), (400, 34261), (402, 34255), (404, 34246), (440, 34129), (448, 34102), (500, 34009), (504, 33994), (539, 33910), (540, 33907), (566, 33841), (580, 33811), (592, 33781), (614, 33736), (635, 33697), (695, 33517), (704, 33487), (705, 33469), (719, 33430), (735, 33364), (765, 33283), (766, 33280), (792, 33199), (853, 33049), (854, 33046), (861, 33010), (870, 32986), (874, 32977), (878, 32965), (898, 32890), (909, 32869),

Gene: Joselito_45 Start: 30776, Stop: 28989, Start Num: 229

Candidate Starts for Joselito_45:

(Start: 229 @30776 has 918 MA's), (341, 30572), (382, 30500), (394, 30470), (402, 30443), (501, 30191), (519, 30140), (553, 30059), (575, 30014), (640, 29873), (667, 29831), (678, 29786), (695, 29705), (707, 29654), (719, 29618), (735, 29552), (758, 29492), (763, 29480), (795, 29378), (802, 29354), (807, 29336), (840, 29273), (852, 29246), (853, 29237), (857, 29213), (898, 29078), (903, 29066), (909, 29057),

Gene: JoshKayV_46 Start: 31792, Stop: 30005, Start Num: 229

Candidate Starts for JoshKayV_46:

(Start: 229 @31792 has 918 MA's), (343, 31585), (347, 31579), (354, 31564), (365, 31549), (383, 31513), (394, 31486), (402, 31459), (408, 31438), (448, 31306), (500, 31213), (516, 31165), (519, 31156), (528, 31141), (553, 31075), (588, 30994), (611, 30946), (614, 30940), (649, 30877), (695, 30721), (718, 30637), (719, 30634), (735, 30568), (745, 30529), (758, 30508), (781, 30433), (786, 30421), (811, 30343), (828, 30307), (840, 30289), (853, 30253), (857, 30229), (881, 30151), (898, 30094), (903, 30082), (909, 30073),

Gene: Journey13_40 Start: 30167, Stop: 28380, Start Num: 229

Candidate Starts for Journey13_40:

(Start: 229 @30167 has 918 MA's), (341, 29963), (343, 29960), (347, 29954), (365, 29924), (378, 29903), (381, 29894), (382, 29891), (394, 29861), (402, 29834), (408, 29813), (446, 29687), (448, 29681), (500, 29588), (502, 29579), (516, 29540), (528, 29516), (553, 29450), (598, 29342), (611, 29321), (695, 29096), (707, 29045), (723, 29000), (728, 28973), (735, 28943), (745, 28904), (758, 28883), (781, 28808), (788, 28790), (802, 28745), (811, 28718), (828, 28682), (840, 28664), (853,

28628), (857, 28604), (898, 28469), (903, 28457), (909, 28448),

Gene: Jovita_43 Start: 29600, Stop: 31474, Start Num: 229

Candidate Starts for Jovita_43:

(Start: 226 @29597 has 7 MA's), (Start: 229 @29600 has 918 MA's), (266, 29669), (280, 29690), (382, 29870), (418, 29978), (543, 30272), (598, 30407), (648, 30506), (683, 30629), (695, 30689), (698, 30695), (707, 30740), (714, 30755), (716, 30770), (726, 30806), (735, 30842), (764, 30935), (793, 31028), (821, 31106), (822, 31109), (853, 31178), (854, 31181), (861, 31217), (877, 31259), (880, 31277), (898, 31337), (909, 31358),

Gene: Jovo_38 Start: 30627, Stop: 28783, Start Num: 229

Candidate Starts for Jovo_38:

(Start: 229 @30627 has 918 MA's), (261, 30576), (296, 30516), (327, 30453), (341, 30423), (343, 30420), (378, 30363), (382, 30351), (394, 30321), (402, 30294), (432, 30192), (437, 30177), (448, 30141), (489, 30081), (500, 30045), (516, 29997), (550, 29913), (553, 29907), (586, 29835), (598, 29802), (607, 29787), (614, 29775), (664, 29676), (695, 29541), (704, 29511), (705, 29493), (707, 29490), (719, 29454), (723, 29445), (726, 29424), (729, 29415), (735, 29388), (736, 29385), (758, 29328), (765, 29307), (802, 29190), (823, 29136), (828, 29127), (840, 29109), (862, 29031), (880, 28974), (891, 28938), (898, 28914), (903, 28902),

Gene: Jsquared_43 Start: 30314, Stop: 28527, Start Num: 228

Candidate Starts for Jsquared_43:

(138, 30455), (Start: 228 @30314 has 10 MA's), (341, 30110), (343, 30107), (347, 30101), (354, 30086), (365, 30071), (381, 30041), (382, 30038), (394, 30008), (402, 29981), (408, 29960), (418, 29930), (448, 29828), (500, 29735), (516, 29687), (519, 29678), (528, 29663), (553, 29597), (588, 29516), (611, 29468), (635, 29423), (695, 29243), (705, 29195), (707, 29192), (719, 29156), (735, 29090), (745, 29051), (758, 29030), (781, 28955), (788, 28937), (802, 28892), (811, 28865), (828, 28829), (840, 28811), (853, 28775), (857, 28751), (898, 28616), (903, 28604), (909, 28595), (911, 28592),

Gene: Jstan_41 Start: 30355, Stop: 32220, Start Num: 229

Candidate Starts for Jstan_41:

(Start: 229 @30355 has 918 MA's), (260, 30403), (364, 30586), (368, 30592), (394, 30652), (400, 30673), (421, 30742), (504, 30958), (540, 31048), (543, 31057), (548, 31072), (567, 31117), (611, 31210), (669, 31348), (695, 31468), (704, 31498), (719, 31555), (733, 31612), (735, 31621), (741, 31645), (764, 31714), (786, 31786), (789, 31795), (825, 31894), (853, 31957), (898, 32116), (902, 32125),

Gene: Juanyo_37 Start: 28491, Stop: 26590, Start Num: 270

Candidate Starts for Juanyo_37:

(Start: 270 @28491 has 147 MA's), (321, 28392), (336, 28368), (344, 28353), (353, 28338), (357, 28332), (373, 28305), (384, 28281), (403, 28230), (412, 28203), (415, 28197), (431, 28146), (443, 28107), (463, 28047), (479, 27978), (493, 27921), (498, 27912), (500, 27900), (509, 27870), (530, 27813), (610, 27666), (672, 27510), (735, 27243), (746, 27201), (757, 27171), (762, 27150), (773, 27114), (834, 26925), (836, 26916), (854, 26856), (858, 26832), (861, 26820), (869, 26799), (870, 26793), (896, 26688),

Gene: Juicer_40 Start: 29369, Stop: 27471, Start Num: 270

Candidate Starts for Juicer_40:

(Start: 270 @29369 has 147 MA's), (344, 29231), (353, 29216), (357, 29210), (384, 29159), (405, 29102), (412, 29081), (415, 29075), (430, 29027), (431, 29024), (463, 28925), (474, 28877), (493, 28802), (498, 28793), (500, 28781), (509, 28751), (516, 28730), (522, 28715), (547, 28649), (629, 28502), (656, 28442), (661, 28427), (670, 28400), (726, 28160), (735, 28124), (746, 28082), (757,

28052), (773, 27995), (816, 27851), (820, 27836), (836, 27797), (844, 27776), (858, 27713), (869, 27680), (880, 27629), (882, 27623), (896, 27569),

Gene: JuliaChild_45 Start: 34674, Stop: 32845, Start Num: 229

Candidate Starts for JuliaChild_45:

(Start: 229 @34674 has 918 MA's), (347, 34461), (354, 34446), (382, 34398), (394, 34368), (400, 34347), (402, 34341), (404, 34332), (440, 34215), (448, 34188), (500, 34095), (504, 34080), (511, 34059), (539, 33996), (540, 33993), (566, 33927), (580, 33897), (592, 33867), (614, 33822), (635, 33783), (695, 33603), (705, 33555), (723, 33507), (732, 33468), (735, 33450), (745, 33411), (758, 33390), (765, 33369), (770, 33354), (808, 33231), (875, 33060), (880, 33036), (895, 32988), (898, 32976), (909, 32955), (912, 32949), (928, 32901), (935, 32886),

Gene: JuneStar_42 Start: 31105, Stop: 33111, Start Num: 130

Candidate Starts for JuneStar_42:

(118, 31072), (Start: 130 @31105 has 1 MA's), (Start: 139 @31132 has 1 MA's), (141, 31135), (154, 31162), (Start: 229 @31246 has 918 MA's), (260, 31294), (394, 31543), (421, 31633), (429, 31663), (501, 31840), (504, 31849), (543, 31948), (548, 31963), (553, 31975), (611, 32101), (669, 32239), (695, 32359), (719, 32446), (735, 32512), (764, 32605), (857, 32872), (875, 32923), (898, 33007),

Gene: KADY_48 Start: 31884, Stop: 30070, Start Num: 229

Candidate Starts for KADY_48:

(Start: 229 @31884 has 918 MA's), (255, 31845), (261, 31833), (341, 31680), (349, 31665), (382, 31608), (402, 31551), (404, 31542), (418, 31500), (432, 31449), (448, 31398), (487, 31344), (500, 31305), (516, 31257), (528, 31233), (543, 31194), (553, 31167), (566, 31137), (607, 31044), (614, 31032), (639, 30984), (649, 30969), (695, 30813), (707, 30762), (718, 30729), (719, 30726), (735, 30660), (745, 30621), (766, 30549), (777, 30510), (786, 30486), (792, 30468), (802, 30435), (840, 30354), (857, 30294), (883, 30207), (898, 30159), (903, 30147), (909, 30138), (911, 30135),

Gene: KBG_46 Start: 35895, Stop: 34069, Start Num: 229

Candidate Starts for KBG_46:

(Start: 229 @35895 has 918 MA's), (347, 35682), (354, 35667), (382, 35619), (394, 35589), (397, 35577), (400, 35568), (402, 35562), (404, 35553), (440, 35436), (448, 35409), (500, 35316), (504, 35301), (516, 35268), (539, 35217), (540, 35214), (566, 35148), (580, 35118), (592, 35088), (614, 35043), (635, 35004), (695, 34824), (704, 34794), (705, 34776), (707, 34773), (719, 34737), (735, 34671), (765, 34590), (766, 34587), (792, 34506), (853, 34356), (854, 34353), (861, 34317), (870, 34293), (874, 34284), (878, 34272), (883, 34245), (898, 34197), (909, 34176),

Gene: KFPoly_44 Start: 31564, Stop: 29738, Start Num: 229

Candidate Starts for KFPoly_44:

(Start: 229 @31564 has 918 MA's), (250, 31543), (261, 31513), (273, 31483), (365, 31321), (376, 31303), (402, 31231), (404, 31222), (441, 31102), (448, 31078), (500, 30985), (517, 30937), (528, 30916), (543, 30877), (598, 30745), (611, 30724), (635, 30679), (640, 30667), (692, 30514), (695, 30493), (728, 30370), (735, 30340), (745, 30301), (765, 30235), (766, 30232), (771, 30217), (777, 30193), (786, 30169), (857, 29962), (898, 29827), (903, 29815), (909, 29806),

Gene: KLUcky39_59 Start: 53611, Stop: 51752, Start Num: 197

Candidate Starts for KLUcky39_59:

(Start: 175 @53635 has 5 MA's), (Start: 197 @53611 has 267 MA's), (Start: 231 @53587 has 5 MA's), (Start: 243 @53581 has 2 MA's), (260, 53539), (267, 53518), (316, 53404), (319, 53398), (337, 53368), (371, 53308), (381, 53287), (399, 53233), (403, 53221), (409, 53203), (413, 53191), (445, 53086), (486, 53029), (499, 52993), (502, 52981), (512, 52954), (524, 52927), (531, 52909), (539, 52891), (553, 52852), (556, 52843), (557, 52840), (664, 52582), (690, 52480), (696, 52447), (702, 52426), (729, 52333), (732, 52324), (747, 52261), (765, 52225), (766, 52222), (771, 52207), (796,

52129), (800, 52117), (806, 52096), (822, 52057), (857, 51967), (862, 51949), (864, 51943), (870, 51928), (879, 51904), (881, 51889), (882, 51886), (884, 51874), (892, 51850), (911, 51802), (922, 51778),

Gene: KSSJEB_43 Start: 34167, Stop: 32338, Start Num: 229

Candidate Starts for KSSJEB_43:

(Start: 229 @34167 has 918 MA's), (347, 33954), (354, 33939), (382, 33891), (394, 33861), (400, 33840), (402, 33834), (404, 33825), (440, 33708), (448, 33681), (500, 33588), (504, 33573), (516, 33540), (539, 33489), (540, 33486), (566, 33420), (592, 33360), (614, 33315), (635, 33276), (695, 33096), (705, 33048), (723, 33000), (732, 32961), (735, 32943), (745, 32904), (758, 32883), (765, 32862), (770, 32847), (808, 32724), (875, 32553), (880, 32529), (895, 32481), (898, 32469), (909, 32448), (912, 32442), (928, 32394), (935, 32379),

Gene: Kachowdy_45 Start: 31435, Stop: 29597, Start Num: 229

Candidate Starts for Kachowdy_45:

(173, 31507), (Start: 229 @31435 has 918 MA's), (261, 31384), (341, 31231), (378, 31171), (382, 31159), (402, 31102), (404, 31093), (408, 31081), (441, 30973), (448, 30949), (500, 30853), (517, 30805), (543, 30745), (569, 30682), (598, 30613), (611, 30592), (649, 30523), (652, 30517), (668, 30478), (695, 30355), (719, 30268), (728, 30232), (735, 30202), (742, 30172), (766, 30091), (777, 30052), (786, 30028), (792, 30010), (840, 29881), (857, 29821), (898, 29686), (903, 29674), (909, 29665),

Gene: Kahve_60 Start: 54557, Stop: 52698, Start Num: 197

Candidate Starts for Kahve_60:

(Start: 175 @54581 has 5 MA's), (Start: 197 @54557 has 267 MA's), (Start: 231 @54533 has 5 MA's), (Start: 243 @54527 has 2 MA's), (260, 54485), (267, 54464), (316, 54350), (319, 54344), (337, 54314), (371, 54254), (381, 54233), (399, 54179), (403, 54167), (409, 54149), (413, 54137), (445, 54032), (486, 53975), (499, 53939), (502, 53927), (512, 53900), (524, 53873), (531, 53855), (539, 53837), (553, 53798), (556, 53789), (557, 53786), (664, 53528), (690, 53426), (696, 53393), (702, 53372), (729, 53279), (732, 53270), (747, 53207), (765, 53171), (766, 53168), (771, 53153), (796, 53075), (800, 53063), (806, 53042), (822, 53003), (857, 52913), (862, 52895), (864, 52889), (870, 52874), (879, 52850), (881, 52835), (882, 52832), (884, 52820), (892, 52796), (898, 52775), (911, 52748), (922, 52724),

Gene: Kailash_61 Start: 54637, Stop: 52778, Start Num: 197

Candidate Starts for Kailash_61:

(Start: 175 @54661 has 5 MA's), (Start: 197 @54637 has 267 MA's), (Start: 231 @54613 has 5 MA's), (Start: 243 @54607 has 2 MA's), (260, 54565), (267, 54544), (316, 54430), (319, 54424), (337, 54394), (371, 54334), (381, 54313), (399, 54259), (403, 54247), (409, 54229), (413, 54217), (445, 54112), (486, 54055), (499, 54019), (502, 54007), (511, 53983), (516, 53971), (524, 53953), (531, 53935), (539, 53917), (553, 53878), (556, 53869), (557, 53866), (558, 53863), (690, 53506), (696, 53473), (702, 53452), (729, 53359), (732, 53350), (747, 53287), (765, 53251), (766, 53248), (771, 53233), (796, 53155), (800, 53143), (806, 53122), (822, 53083), (857, 52993), (862, 52975), (864, 52969), (870, 52954), (879, 52930), (881, 52915), (882, 52912), (884, 52900), (892, 52876), (911, 52828), (922, 52804),

Gene: Kalb97_49 Start: 31752, Stop: 29938, Start Num: 229

Candidate Starts for Kalb97_49:

(Start: 229 @31752 has 918 MA's), (255, 31713), (261, 31701), (341, 31548), (349, 31533), (382, 31476), (402, 31419), (404, 31410), (418, 31368), (432, 31317), (448, 31266), (500, 31173), (516, 31125), (528, 31101), (543, 31062), (553, 31035), (566, 31005), (607, 30912), (614, 30900), (639, 30852), (649, 30837), (695, 30681), (707, 30630), (718, 30597), (719, 30594), (735, 30528), (745, 30489), (766, 30417), (777, 30378), (786, 30354), (792, 30336), (802, 30303), (840, 30222), (857,

30162), (862, 30144), (881, 30084), (883, 30075), (898, 30027), (903, 30015), (909, 30006),

Gene: Kale_38 Start: 28634, Stop: 26769, Start Num: 270

Candidate Starts for Kale_38:

(Start: 216 @28721 has 3 MA's), (Start: 270 @28634 has 147 MA's), (Start: 276 @28625 has 5 MA's), (333, 28520), (336, 28511), (353, 28481), (355, 28478), (408, 28358), (412, 28346), (415, 28340), (449, 28235), (456, 28208), (493, 28067), (497, 28061), (498, 28058), (500, 28046), (508, 28019), (509, 28016), (514, 28001), (516, 27995), (518, 27989), (531, 27956), (629, 27767), (728, 27452), (731, 27443), (732, 27440), (735, 27422), (746, 27380), (748, 27374), (756, 27350), (773, 27293), (820, 27134), (834, 27104), (836, 27095), (854, 27035), (858, 27011), (870, 26972), (879, 26939), (880, 26927), (896, 26867),

Gene: Kaleb_57 Start: 52637, Stop: 50808, Start Num: 189

Candidate Starts for Kaleb_57:

(Start: 189 @52637 has 57 MA's), (Start: 243 @52610 has 2 MA's), (254, 52580), (260, 52568), (271, 52541), (273, 52538), (278, 52529), (298, 52511), (343, 52415), (371, 52364), (382, 52340), (434, 52178), (442, 52154), (445, 52142), (486, 52085), (499, 52049), (502, 52037), (511, 52013), (546, 51929), (556, 51899), (557, 51896), (570, 51866), (633, 51722), (659, 51656), (676, 51605), (679, 51584), (684, 51566), (696, 51509), (723, 51425), (729, 51395), (732, 51386), (747, 51320), (763, 51293), (765, 51284), (768, 51275), (771, 51266), (777, 51242), (796, 51188), (800, 51176), (806, 51155), (840, 51086), (857, 51026), (862, 51008), (875, 50975), (879, 50963), (881, 50948), (882, 50945), (884, 50933), (892, 50909), (893, 50906), (911, 50858), (912, 50855), (922, 50834), (925, 50813),

Gene: Kalimba_40 Start: 27589, Stop: 29571, Start Num: 229

Candidate Starts for Kalimba_40:

(Start: 229 @27589 has 918 MA's), (327, 27763), (368, 27826), (383, 27859), (408, 27934), (483, 28162), (543, 28336), (611, 28492), (669, 28630), (689, 28717), (695, 28750), (704, 28780), (719, 28837), (735, 28903), (764, 28996), (857, 29263), (864, 29287), (898, 29398), (944, 29506),

Gene: Kalnoky_49 Start: 31750, Stop: 29936, Start Num: 229

Candidate Starts for Kalnoky_49:

(Start: 229 @31750 has 918 MA's), (255, 31711), (261, 31699), (341, 31546), (349, 31531), (382, 31474), (402, 31417), (404, 31408), (418, 31366), (432, 31315), (448, 31264), (500, 31171), (516, 31123), (528, 31099), (543, 31060), (553, 31033), (566, 31003), (607, 30910), (614, 30898), (639, 30850), (649, 30835), (695, 30679), (707, 30628), (718, 30595), (719, 30592), (735, 30526), (745, 30487), (766, 30415), (777, 30376), (786, 30352), (792, 30334), (802, 30301), (840, 30220), (857, 30160), (862, 30142), (881, 30082), (883, 30073), (898, 30025), (903, 30013), (909, 30004),

Gene: Kalpine_44 Start: 31973, Stop: 30186, Start Num: 229

Candidate Starts for Kalpine_44:

(Start: 229 @31973 has 918 MA's), (343, 31766), (347, 31760), (365, 31730), (381, 31700), (383, 31694), (394, 31667), (402, 31640), (408, 31619), (418, 31589), (448, 31487), (500, 31394), (516, 31346), (519, 31337), (528, 31322), (553, 31256), (588, 31175), (611, 31127), (680, 30971), (695, 30902), (707, 30851), (718, 30818), (719, 30815), (735, 30749), (745, 30710), (758, 30689), (781, 30614), (786, 30602), (788, 30596), (828, 30488), (853, 30434), (857, 30410), (877, 30353), (881, 30332), (898, 30275), (903, 30263),

Gene: Kamiyu_58 Start: 53644, Stop: 51827, Start Num: 238

Candidate Starts for Kamiyu_58:

(124, 53827), (Start: 238 @53644 has 44 MA's), (253, 53614), (347, 53434), (408, 53281), (412, 53269), (422, 53239), (426, 53233), (445, 53170), (447, 53164), (486, 53113), (499, 53077), (516, 53029), (557, 52924), (596, 52828), (627, 52777), (676, 52633), (684, 52594), (691, 52564), (696,

52537), (700, 52525), (727, 52429), (729, 52423), (732, 52414), (734, 52402), (759, 52330), (765, 52300), (771, 52282), (773, 52273), (796, 52204), (800, 52192), (806, 52171), (840, 52102), (849, 52087), (854, 52063), (857, 52042), (864, 52018), (879, 51979), (882, 51961), (884, 51949), (888, 51937), (892, 51925), (908, 51883), (922, 51853),

Gene: Kamy_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Kamy_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Kanely_45 Start: 34951, Stop: 33125, Start Num: 229

Candidate Starts for Kanely_45:

(Start: 229 @34951 has 918 MA's), (347, 34738), (382, 34675), (394, 34645), (400, 34624), (402, 34618), (404, 34609), (440, 34492), (448, 34465), (500, 34372), (504, 34357), (539, 34273), (540, 34270), (566, 34204), (580, 34174), (592, 34144), (614, 34099), (635, 34060), (695, 33880), (705, 33832), (719, 33793), (735, 33727), (745, 33688), (758, 33667), (765, 33646), (771, 33628), (792, 33562), (853, 33412), (854, 33409), (861, 33373), (870, 33349), (874, 33340), (878, 33328), (898, 33253), (909, 33232),

Gene: KannH_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for KannH_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: KarasumaRum_58 Start: 54598, Stop: 52751, Start Num: 180

Candidate Starts for KarasumaRum_58:

(17, 55093), (19, 55087), (30, 55036), (34, 55018), (50, 54961), (88, 54817), (144, 54664), (180, 54598), (Start: 242 @54550 has 4 MA's), (253, 54523), (277, 54472), (298, 54451), (316, 54397), (345, 54352), (373, 54301), (409, 54202), (425, 54160), (436, 54124), (445, 54094), (499, 54001), (502, 53989), (511, 53965), (516, 53953), (524, 53935), (549, 53872), (557, 53848), (603, 53743), (655, 53620), (677, 53554), (679, 53536), (691, 53488), (696, 53461), (727, 53353), (729, 53347), (732, 53338), (736, 53317), (759, 53254), (766, 53221), (771, 53206), (790, 53146), (796, 53128), (800, 53116), (806, 53095), (808, 53086), (810, 53083), (816, 53071), (857, 52966), (862, 52948), (864, 52942), (879, 52903), (881, 52888), (882, 52885), (888, 52861), (892, 52849), (893, 52846), (912, 52798), (922, 52777),

Gene: KatChan_40 Start: 28364, Stop: 26472, Start Num: 270

Candidate Starts for KatChan_40:

(213, 28454), (Start: 270 @28364 has 147 MA's), (Start: 276 @28355 has 5 MA's), (309, 28298), (321, 28268), (344, 28229), (353, 28214), (357, 28208), (368, 28190), (384, 28157), (412, 28079), (415, 28073), (431, 28022), (443, 27983), (474, 27872), (498, 27788), (500, 27776), (509, 27746), (514, 27731), (516, 27725), (518, 27719), (521, 27713), (524, 27707), (672, 27392), (716, 27197), (735, 27125), (746, 27083), (757, 27053), (762, 27032), (773, 26996), (791, 26924), (834, 26807), (836, 26798), (854, 26738), (858, 26714), (861, 26702), (873, 26666), (896, 26570),

Gene: Katalie136_44 Start: 31522, Stop: 29693, Start Num: 229

Candidate Starts for Katalie136_44:

(Start: 229 @31522 has 918 MA's), (261, 31471), (273, 31441), (365, 31279), (376, 31261), (382, 31246), (402, 31189), (404, 31180), (441, 31060), (448, 31036), (483, 30994), (500, 30943), (517, 30895), (528, 30874), (543, 30835), (560, 30790), (564, 30784), (598, 30703), (611, 30682), (635, 30637), (692, 30472), (695, 30451), (735, 30298), (745, 30259), (766, 30187), (771, 30172), (777, 30148), (783, 30130), (786, 30124), (788, 30118), (857, 29917), (898, 29782), (903, 29770), (909, 29761),

Gene: Kate33_42 Start: 29550, Stop: 31424, Start Num: 229

Candidate Starts for Kate33_42:

(Start: 226 @29547 has 7 MA's), (Start: 229 @29550 has 918 MA's), (266, 29619), (280, 29640), (404, 29886), (437, 29982), (500, 30108), (543, 30222), (648, 30456), (682, 30576), (683, 30579), (695, 30639), (698, 30645), (707, 30690), (714, 30705), (716, 30720), (726, 30756), (735, 30792), (764, 30885), (821, 31056), (822, 31059), (853, 31128), (861, 31167), (877, 31209), (880, 31227), (891, 31263), (898, 31287), (909, 31308),

Gene: KatherineG_48 Start: 30182, Stop: 28392, Start Num: 229

Candidate Starts for KatherineG_48:

(Start: 229 @30182 has 918 MA's), (327, 30008), (382, 29903), (383, 29900), (394, 29873), (402, 29846), (418, 29795), (448, 29693), (500, 29600), (514, 29555), (516, 29552), (519, 29543), (588, 29381), (598, 29354), (611, 29333), (614, 29327), (669, 29228), (678, 29189), (690, 29138), (695, 29108), (707, 29057), (718, 29024), (726, 28991), (728, 28985), (735, 28955), (758, 28895), (765, 28874), (777, 28832), (787, 28805), (792, 28790), (823, 28703), (853, 28640), (854, 28637), (898, 28481), (903, 28469), (911, 28457),

Gene: Katniss_61 Start: 53995, Stop: 52136, Start Num: 197

Candidate Starts for Katniss_61:

(Start: 175 @54019 has 5 MA's), (Start: 197 @53995 has 267 MA's), (Start: 231 @53971 has 5 MA's), (Start: 243 @53965 has 2 MA's), (260, 53923), (267, 53902), (316, 53788), (319, 53782), (337, 53752), (371, 53692), (381, 53671), (399, 53617), (403, 53605), (409, 53587), (413, 53575), (445, 53470), (486, 53413), (499, 53377), (502, 53365), (512, 53338), (524, 53311), (531, 53293), (539, 53275), (553, 53236), (556, 53227), (557, 53224), (558, 53221), (664, 52966), (690, 52864), (696, 52831), (702, 52810), (729, 52717), (732, 52708), (747, 52645), (765, 52609), (766, 52606), (771, 52591), (796, 52513), (800, 52501), (806, 52480), (822, 52441), (857, 52351), (862, 52333), (864, 52327), (870, 52312), (879, 52288), (881, 52273), (882, 52270), (884, 52258), (892, 52234), (911, 52186), (922, 52162),

Gene: Katzastrophic_41 Start: 29917, Stop: 31788, Start Num: 229

Candidate Starts for Katzastrophic_41:

(Start: 229 @29917 has 918 MA's), (266, 29986), (325, 30091), (330, 30100), (404, 30253), (437, 30349), (440, 30358), (543, 30589), (548, 30604), (588, 30697), (635, 30787), (695, 31003), (707, 31054), (714, 31069), (726, 31120), (735, 31156), (764, 31249), (786, 31321), (821, 31420), (853, 31492), (857, 31516), (877, 31573), (891, 31627), (898, 31651), (909, 31672),

Gene: Kauala_37 Start: 28473, Stop: 26623, Start Num: 268

Candidate Starts for Kauala_37:

(Start: 268 @28473 has 18 MA's), (320, 28377), (336, 28350), (355, 28317), (405, 28206), (412, 28185), (415, 28179), (417, 28170), (429, 28134), (431, 28128), (479, 27972), (493, 27918), (498, 27909), (500, 27897), (509, 27867), (530, 27810), (610, 27663), (670, 27516), (728, 27306), (732, 27294), (735, 27276), (746, 27234), (751, 27219), (773, 27147), (834, 26958), (836, 26949), (854, 26889), (858, 26865), (864, 26844), (869, 26832), (896, 26721),

Gene: KayGee_46 Start: 34208, Stop: 31833, Start Num: 41

Candidate Starts for KayGee_46:

(Start: 41 @34208 has 13 MA's), (58, 34148), (71, 34106), (83, 34067), (121, 33947), (132, 33926), (156, 33902), (205, 33824), (210, 33818), (211, 33815), (Start: 243 @33785 has 2 MA's), (251, 33767), (258, 33749), (274, 33710), (Start: 276 @33707 has 5 MA's), (311, 33650), (320, 33626), (333, 33611), (366, 33548), (379, 33524), (382, 33515), (384, 33509), (386, 33503), (398, 33470), (405, 33449), (412, 33428), (469, 33245), (489, 33170), (500, 33128), (586, 33017), (594, 32993), (609, 32963), (634, 32912), (635, 32909), (642, 32894), (654, 32873), (699, 32699), (701, 32690), (707, 32660), (735, 32555), (744, 32519), (746, 32513), (748, 32507), (750, 32501), (766, 32444), (773, 32420), (801, 32315), (802, 32312), (838, 32219), (844, 32201), (854, 32162), (863, 32120), (871, 32096), (879, 32066), (888, 32018), (896, 31994), (910, 31949), (945, 31862),

Gene: KayaCho_51 Start: 52386, Stop: 50545, Start Num: 193

Candidate Starts for KayaCho_51:

(124, 52506), (Start: 193 @52386 has 2 MA's), (253, 52329), (260, 52314), (343, 52140), (365, 52098), (371, 52089), (373, 52086), (382, 52065), (399, 52014), (401, 52008), (408, 51990), (420, 51957), (422, 51948), (425, 51945), (426, 51942), (434, 51915), (486, 51822), (499, 51786), (502, 51774), (556, 51636), (557, 51633), (594, 51543), (656, 51402), (673, 51348), (677, 51333), (679, 51315), (684, 51297), (690, 51273), (696, 51240), (727, 51132), (729, 51126), (732, 51117), (747, 51054), (760, 51039), (763, 51027), (765, 51018), (771, 51000), (775, 50985), (796, 50922), (800, 50910), (806, 50889), (807, 50883), (822, 50850), (840, 50820), (849, 50805), (857, 50760), (862, 50742), (864, 50736), (879, 50697), (880, 50685), (881, 50682), (882, 50679), (884, 50667), (892, 50643), (922, 50571),

Gene: Kaylissa_42 Start: 30090, Stop: 31955, Start Num: 229

Candidate Starts for Kaylissa_42:

(Start: 229 @30090 has 918 MA's), (260, 30138), (311, 30228), (313, 30234), (394, 30387), (408, 30435), (421, 30477), (501, 30684), (504, 30693), (540, 30783), (543, 30792), (548, 30807), (567, 30852), (588, 30897), (611, 30945), (640, 31002), (669, 31083), (689, 31170), (695, 31203), (704, 31233), (719, 31290), (735, 31356), (741, 31380), (764, 31449), (786, 31521), (825, 31629), (853, 31692), (857, 31716), (891, 31827), (898, 31851), (902, 31860),

Gene: Kazan_46 Start: 29633, Stop: 27792, Start Num: 229

Candidate Starts for Kazan_46:

(Start: 229 @29633 has 918 MA's), (341, 29429), (382, 29354), (383, 29351), (394, 29324), (398, 29309), (402, 29297), (418, 29246), (444, 29156), (448, 29144), (500, 29051), (512, 29012), (519, 28994), (528, 28979), (553, 28913), (567, 28880), (569, 28877), (615, 28775), (649, 28715), (678, 28631), (695, 28550), (718, 28466), (719, 28463), (723, 28454), (728, 28427), (735, 28397), (758, 28337), (771, 28298), (853, 28082), (854, 28079), (857, 28058), (898, 27923), (903, 27911), (909, 27902), (911, 27899), (947, 27806),

Gene: KeAlii_40 Start: 29667, Stop: 31577, Start Num: 229

Candidate Starts for KeAlii_40:

(92, 29409), (157, 29580), (Start: 229 @29667 has 918 MA's), (260, 29715), (364, 29898), (394, 29964), (421, 30054), (476, 30213), (501, 30306), (504, 30315), (543, 30414), (548, 30429), (567, 30474), (588, 30519), (611, 30567), (669, 30705), (681, 30759), (695, 30825), (712, 30888), (733, 30969), (735, 30978), (764, 31071), (825, 31251), (857, 31338), (898, 31473), (902, 31482), (909, 31494),

Gene: Keitherie_62 Start: 54618, Stop: 52759, Start Num: 197

Candidate Starts for Keitherie_62:

(Start: 175 @54642 has 5 MA's), (Start: 197 @54618 has 267 MA's), (Start: 231 @54594 has 5 MA's), (Start: 243 @54588 has 2 MA's), (260, 54546), (267, 54525), (316, 54411), (319, 54405), (337,

54375), (371, 54315), (381, 54294), (399, 54240), (403, 54228), (409, 54210), (413, 54198), (445, 54093), (486, 54036), (499, 54000), (502, 53988), (511, 53964), (516, 53952), (524, 53934), (531, 53916), (539, 53898), (553, 53859), (556, 53850), (557, 53847), (558, 53844), (690, 53487), (696, 53454), (702, 53433), (729, 53340), (732, 53331), (747, 53268), (765, 53232), (766, 53229), (771, 53214), (796, 53136), (800, 53124), (806, 53103), (822, 53064), (857, 52974), (862, 52956), (864, 52950), (870, 52935), (879, 52911), (881, 52896), (882, 52893), (884, 52881), (892, 52857), (911, 52809), (922, 52785),

Gene: Kenmech_48 Start: 35912, Stop: 34083, Start Num: 229

Candidate Starts for Kenmech_48:

(Start: 229 @35912 has 918 MA's), (347, 35699), (382, 35636), (394, 35606), (400, 35585), (402, 35579), (404, 35570), (440, 35453), (448, 35426), (500, 35333), (504, 35318), (539, 35234), (540, 35231), (566, 35165), (580, 35135), (592, 35105), (614, 35060), (635, 35021), (695, 34841), (705, 34793), (723, 34745), (732, 34706), (735, 34688), (745, 34649), (758, 34628), (765, 34607), (770, 34592), (808, 34469), (875, 34298), (880, 34274), (895, 34226), (898, 34214), (909, 34193), (912, 34187), (928, 34139), (935, 34124),

Gene: Kenzers_43 Start: 29644, Stop: 31518, Start Num: 229

Candidate Starts for Kenzers_43:

(Start: 226 @29641 has 7 MA's), (Start: 229 @29644 has 918 MA's), (266, 29713), (280, 29734), (341, 29851), (382, 29914), (404, 29980), (418, 30022), (543, 30316), (648, 30550), (683, 30673), (695, 30733), (698, 30739), (707, 30784), (716, 30814), (726, 30850), (735, 30886), (764, 30979), (793, 31072), (821, 31150), (853, 31222), (861, 31261), (877, 31303), (880, 31321), (898, 31381), (909, 31402),

Gene: Kerberos_47 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for Kerberos_47:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649, 30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (837, 29620), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: Keziacharles14_44 Start: 32157, Stop: 30364, Start Num: 228

Candidate Starts for Keziacharles14_44:

(155, 32262), (Start: 228 @32157 has 10 MA's), (Start: 244 @32148 has 1 MA's), (311, 32019), (325, 31986), (341, 31953), (365, 31911), (382, 31878), (383, 31875), (398, 31833), (402, 31821), (418, 31770), (448, 31668), (449, 31665), (500, 31575), (511, 31539), (566, 31407), (640, 31248), (666, 31209), (668, 31203), (695, 31080), (723, 30984), (726, 30963), (735, 30927), (765, 30846), (802, 30729), (808, 30708), (828, 30666), (853, 30612), (881, 30510), (898, 30453), (903, 30441), (909, 30432),

Gene: Kheth_57 Start: 52520, Stop: 50691, Start Num: 189

Candidate Starts for Kheth_57:

(Start: 189 @52520 has 57 MA's), (Start: 243 @52493 has 2 MA's), (254, 52463), (260, 52451), (271, 52424), (273, 52421), (278, 52412), (298, 52394), (343, 52298), (371, 52247), (382, 52223), (391, 52199), (434, 52061), (442, 52037), (445, 52025), (486, 51968), (499, 51932), (502, 51920), (511, 51896), (546, 51812), (556, 51782), (557, 51779), (570, 51749), (633, 51605), (659, 51539), (673, 51500), (676, 51488), (679, 51467), (684, 51449), (696, 51392), (723, 51308), (729, 51278), (732, 51269), (747, 51203), (763, 51176), (765, 51167), (771, 51149), (777, 51125), (796, 51071), (800, 51059), (806, 51038), (840, 50969), (857, 50909), (862, 50891), (875, 50858), (879, 50846), (881, 50831), (882, 50828), (884, 50816), (892, 50792), (893, 50789), (911, 50741), (912, 50738), (922,

50717), (925, 50696),

Gene: Kieran_40 Start: 29929, Stop: 31800, Start Num: 229

Candidate Starts for Kieran_40:

(Start: 229 @29929 has 918 MA's), (330, 30112), (349, 30151), (368, 30169), (404, 30265), (408, 30277), (409, 30280), (437, 30361), (525, 30553), (543, 30601), (581, 30691), (648, 30832), (683, 30955), (695, 31015), (714, 31081), (716, 31096), (726, 31132), (729, 31141), (735, 31168), (764, 31261), (821, 31432), (853, 31504), (861, 31543), (877, 31585), (891, 31639), (898, 31663), (909, 31684), (920, 31708),

Gene: Kikipoo_62 Start: 54547, Stop: 52688, Start Num: 197

Candidate Starts for Kikipoo_62:

(Start: 175 @54571 has 5 MA's), (Start: 197 @54547 has 267 MA's), (Start: 231 @54523 has 5 MA's), (Start: 243 @54517 has 2 MA's), (260, 54475), (267, 54454), (316, 54340), (319, 54334), (337, 54304), (371, 54244), (381, 54223), (399, 54169), (403, 54157), (409, 54139), (413, 54127), (445, 54022), (486, 53965), (499, 53929), (502, 53917), (505, 53908), (512, 53890), (524, 53863), (531, 53845), (539, 53827), (553, 53788), (556, 53779), (557, 53776), (558, 53773), (664, 53518), (690, 53416), (696, 53383), (702, 53362), (729, 53269), (732, 53260), (747, 53197), (765, 53161), (766, 53158), (771, 53143), (796, 53065), (800, 53053), (806, 53032), (822, 52993), (857, 52903), (862, 52885), (864, 52879), (870, 52864), (879, 52840), (881, 52825), (882, 52822), (884, 52810), (892, 52786), (911, 52738), (922, 52714),

Gene: Killigrew_44 Start: 34598, Stop: 32769, Start Num: 229

Candidate Starts for Killigrew_44:

(Start: 229 @34598 has 918 MA's), (347, 34385), (354, 34370), (382, 34322), (394, 34292), (400, 34271), (402, 34265), (404, 34256), (440, 34139), (448, 34112), (500, 34019), (504, 34004), (539, 33920), (540, 33917), (566, 33851), (580, 33821), (592, 33791), (614, 33746), (635, 33707), (695, 33527), (705, 33479), (723, 33431), (732, 33392), (735, 33374), (745, 33335), (758, 33314), (765, 33293), (770, 33278), (808, 33155), (875, 32984), (880, 32960), (895, 32912), (898, 32900), (909, 32879), (912, 32873), (928, 32825), (935, 32810),

Gene: KimJongPhill_80 Start: 57331, Stop: 59844, Start Num: 33

Candidate Starts for KimJongPhill_80:

(Start: 12 @57226 has 1 MA's), (20, 57268), (26, 57298), (Start: 33 @57331 has 1 MA's), (68, 57460), (Start: 70 @57466 has 1 MA's), (74, 57475), (102, 57571), (108, 57589), (171, 57733), (191, 57766), (211, 57796), (266, 57892), (Start: 276 @57910 has 5 MA's), (311, 57979), (398, 58159), (403, 58174), (412, 58201), (436, 58273), (458, 58321), (489, 58438), (547, 58567), (634, 58753), (635, 58756), (650, 58780), (659, 58804), (682, 58891), (721, 59047), (725, 59068), (735, 59110), (744, 59146), (746, 59152), (748, 59158), (750, 59164), (773, 59245), (812, 59383), (820, 59404), (857, 59524), (862, 59542), (871, 59569), (885, 59638), (887, 59644), (891, 59656), (896, 59671), (906, 59704), (929, 59770),

Gene: Kimbrough_61 Start: 54598, Stop: 52739, Start Num: 197

Candidate Starts for Kimbrough_61:

(Start: 175 @54622 has 5 MA's), (Start: 197 @54598 has 267 MA's), (Start: 231 @54574 has 5 MA's), (Start: 243 @54568 has 2 MA's), (260, 54526), (267, 54505), (316, 54391), (319, 54385), (337, 54355), (371, 54295), (381, 54274), (399, 54220), (403, 54208), (409, 54190), (413, 54178), (445, 54073), (486, 54016), (499, 53980), (502, 53968), (511, 53944), (516, 53932), (524, 53914), (531, 53896), (539, 53878), (553, 53839), (556, 53830), (557, 53827), (558, 53824), (690, 53467), (696, 53434), (702, 53413), (729, 53320), (732, 53311), (747, 53248), (765, 53212), (766, 53209), (771, 53194), (796, 53116), (800, 53104), (806, 53083), (822, 53044), (857, 52954), (862, 52936), (864, 52930), (870, 52915), (879, 52891), (881, 52876), (882, 52873), (884, 52861), (892, 52837), (911, 52789), (922, 52765),

Gene: Kimona_43 Start: 29598, Stop: 27742, Start Num: 229

Candidate Starts for Kimona_43:

(Start: 229 @29598 has 918 MA's), (341, 29394), (394, 29292), (400, 29271), (402, 29265), (404, 29256), (444, 29124), (448, 29112), (500, 29016), (543, 28905), (553, 28878), (598, 28773), (611, 28752), (635, 28707), (663, 28638), (678, 28581), (695, 28500), (735, 28347), (745, 28308), (766, 28236), (771, 28221), (777, 28197), (792, 28155), (802, 28122), (898, 27831), (903, 27819), (909, 27810),

Gene: KingCyrus_47 Start: 33203, Stop: 31416, Start Num: 229

Candidate Starts for KingCyrus_47:

(Start: 182 @33239 has 1 MA's), (Start: 229 @33203 has 918 MA's), (343, 32996), (347, 32990), (354, 32975), (365, 32960), (383, 32924), (394, 32897), (402, 32870), (408, 32849), (448, 32717), (500, 32624), (516, 32576), (519, 32567), (528, 32552), (553, 32486), (588, 32405), (611, 32357), (635, 32312), (649, 32288), (695, 32132), (707, 32081), (718, 32048), (719, 32045), (735, 31979), (745, 31940), (758, 31919), (781, 31844), (786, 31832), (802, 31781), (828, 31718), (840, 31700), (853, 31664), (881, 31562), (898, 31505), (903, 31493), (909, 31484),

Gene: KingJulien_38 Start: 29054, Stop: 27189, Start Num: 270

Candidate Starts for KingJulien_38:

(Start: 270 @29054 has 147 MA's), (Start: 276 @29045 has 5 MA's), (407, 28781), (412, 28766), (415, 28760), (456, 28628), (471, 28574), (474, 28562), (493, 28487), (498, 28478), (500, 28466), (508, 28439), (509, 28436), (514, 28421), (516, 28415), (521, 28403), (547, 28334), (670, 28085), (728, 27872), (731, 27863), (732, 27860), (735, 27842), (746, 27800), (773, 27713), (820, 27554), (834, 27524), (854, 27455), (858, 27431), (870, 27392), (879, 27359), (880, 27347),

Gene: KingTut_53 Start: 50762, Stop: 48903, Start Num: 197

Candidate Starts for KingTut_53:

(Start: 175 @50786 has 5 MA's), (Start: 197 @50762 has 267 MA's), (Start: 231 @50738 has 5 MA's), (Start: 243 @50732 has 2 MA's), (260, 50690), (267, 50669), (316, 50555), (319, 50549), (337, 50519), (371, 50459), (381, 50438), (399, 50384), (403, 50372), (409, 50354), (413, 50342), (445, 50237), (486, 50180), (499, 50144), (502, 50132), (512, 50105), (524, 50078), (531, 50060), (539, 50042), (553, 50003), (556, 49994), (557, 49991), (664, 49733), (690, 49631), (696, 49598), (702, 49577), (729, 49484), (732, 49475), (747, 49412), (765, 49376), (766, 49373), (771, 49358), (796, 49280), (800, 49268), (806, 49247), (822, 49208), (857, 49118), (862, 49100), (864, 49094), (870, 49079), (879, 49055), (881, 49040), (882, 49037), (884, 49025), (892, 49001), (911, 48953), (922, 48929),

Gene: KingVeVeVe_59 Start: 53565, Stop: 51706, Start Num: 197

Candidate Starts for KingVeVeVe_59:

(Start: 175 @53589 has 5 MA's), (Start: 197 @53565 has 267 MA's), (Start: 231 @53541 has 5 MA's), (Start: 243 @53535 has 2 MA's), (253, 53508), (260, 53493), (267, 53472), (316, 53358), (319, 53352), (337, 53322), (371, 53262), (381, 53241), (399, 53187), (403, 53175), (409, 53157), (413, 53145), (445, 53040), (486, 52983), (499, 52947), (502, 52935), (512, 52908), (516, 52899), (531, 52863), (553, 52806), (556, 52797), (557, 52794), (558, 52791), (690, 52434), (696, 52401), (702, 52380), (729, 52287), (732, 52278), (747, 52215), (765, 52179), (766, 52176), (771, 52161), (796, 52083), (800, 52071), (806, 52050), (822, 52011), (857, 51921), (862, 51903), (864, 51897), (870, 51882), (879, 51858), (881, 51843), (882, 51840), (884, 51828), (892, 51804), (911, 51756), (922, 51732),

Gene: Kingmustik0402_45 Start: 31559, Stop: 29733, Start Num: 229

Candidate Starts for Kingmustik0402_45:

(Start: 229 @31559 has 918 MA's), (250, 31538), (261, 31508), (273, 31478), (365, 31316), (376, 31298), (402, 31226), (404, 31217), (441, 31097), (448, 31073), (500, 30980), (517, 30932), (528, 30911), (543, 30872), (598, 30740), (611, 30719), (635, 30674), (640, 30662), (692, 30509), (695, 30488), (728, 30365), (735, 30335), (745, 30296), (765, 30230), (766, 30227), (771, 30212), (777, 30188), (786, 30164), (857, 29957), (898, 29822), (903, 29810), (909, 29801),

Gene: Kinmap_43 Start: 30677, Stop: 28872, Start Num: 229

Candidate Starts for Kinmap_43:

(Start: 229 @30677 has 918 MA's), (365, 30431), (382, 30398), (383, 30395), (394, 30368), (402, 30341), (404, 30332), (448, 30188), (500, 30095), (516, 30047), (673, 29699), (680, 29663), (695, 29594), (707, 29537), (728, 29465), (735, 29435), (765, 29354), (802, 29237), (853, 29120), (898, 28961), (903, 28949), (909, 28940),

Gene: Kipper29_45 Start: 29646, Stop: 27805, Start Num: 229

Candidate Starts for Kipper29_45:

(Start: 229 @29646 has 918 MA's), (341, 29442), (382, 29367), (383, 29364), (394, 29337), (398, 29322), (402, 29310), (418, 29259), (444, 29169), (448, 29157), (500, 29064), (512, 29025), (519, 29007), (528, 28992), (553, 28926), (567, 28893), (569, 28890), (615, 28788), (649, 28728), (678, 28644), (695, 28563), (718, 28479), (719, 28476), (723, 28467), (728, 28440), (735, 28410), (758, 28350), (771, 28311), (853, 28095), (854, 28092), (857, 28071), (898, 27936), (903, 27924), (909, 27915), (911, 27912), (947, 27819),

Gene: KittenMittens_41 Start: 30386, Stop: 28554, Start Num: 229

Candidate Starts for KittenMittens_41:

(Start: 229 @30386 has 918 MA's), (261, 30335), (298, 30269), (341, 30182), (347, 30173), (378, 30122), (382, 30110), (402, 30053), (425, 29972), (429, 29960), (432, 29951), (441, 29924), (448, 29900), (500, 29807), (512, 29768), (543, 29699), (553, 29672), (614, 29540), (695, 29312), (714, 29246), (728, 29189), (735, 29159), (745, 29120), (766, 29048), (771, 29033), (777, 29009), (792, 28967), (802, 28934), (857, 28778), (864, 28754), (883, 28691), (898, 28643), (903, 28631), (909, 28622),

Gene: KlimbOn_60 Start: 54056, Stop: 52197, Start Num: 197

Candidate Starts for KlimbOn_60:

(Start: 175 @54080 has 5 MA's), (Start: 197 @54056 has 267 MA's), (Start: 231 @54032 has 5 MA's), (Start: 243 @54026 has 2 MA's), (260, 53984), (267, 53963), (316, 53849), (319, 53843), (337, 53813), (371, 53753), (381, 53732), (399, 53678), (403, 53666), (409, 53648), (413, 53636), (445, 53531), (486, 53474), (499, 53438), (502, 53426), (511, 53402), (516, 53390), (524, 53372), (531, 53354), (539, 53336), (553, 53297), (556, 53288), (557, 53285), (558, 53282), (664, 53027), (690, 52925), (696, 52892), (702, 52871), (729, 52778), (732, 52769), (747, 52706), (765, 52670), (766, 52667), (771, 52652), (796, 52574), (800, 52562), (806, 52541), (822, 52502), (857, 52412), (862, 52394), (864, 52388), (870, 52373), (879, 52349), (881, 52334), (882, 52331), (884, 52319), (892, 52295), (911, 52247), (922, 52223),

Gene: Klimt_38 Start: 28614, Stop: 26749, Start Num: 270

Candidate Starts for Klimt_38:

(Start: 216 @28701 has 3 MA's), (Start: 270 @28614 has 147 MA's), (Start: 276 @28605 has 5 MA's), (333, 28500), (336, 28491), (353, 28461), (355, 28458), (408, 28338), (412, 28326), (415, 28320), (449, 28215), (456, 28188), (493, 28047), (497, 28041), (498, 28038), (500, 28026), (508, 27999), (509, 27996), (514, 27981), (516, 27975), (518, 27969), (531, 27936), (602, 27807), (629, 27747), (728, 27432), (731, 27423), (732, 27420), (735, 27402), (746, 27360), (748, 27354), (756, 27330), (773, 27273), (820, 27114), (834, 27084), (836, 27075), (854, 27015), (858, 26991), (870, 26952), (879, 26919), (880, 26907), (896, 26847),

Gene: Kloppinator_61 Start: 54207, Stop: 52348, Start Num: 197

Candidate Starts for Kloppinator_61:

(Start: 175 @54231 has 5 MA's), (Start: 197 @54207 has 267 MA's), (Start: 231 @54183 has 5 MA's), (Start: 243 @54177 has 2 MA's), (260, 54135), (267, 54114), (316, 54000), (319, 53994), (337, 53964), (371, 53904), (381, 53883), (399, 53829), (403, 53817), (409, 53799), (412, 53790), (413, 53787), (445, 53682), (486, 53625), (499, 53589), (502, 53577), (511, 53553), (516, 53541), (524, 53523), (531, 53505), (539, 53487), (553, 53448), (556, 53439), (557, 53436), (558, 53433), (690, 53076), (696, 53043), (702, 53022), (729, 52929), (732, 52920), (747, 52857), (765, 52821), (766, 52818), (771, 52803), (796, 52725), (800, 52713), (806, 52692), (822, 52653), (857, 52563), (862, 52545), (864, 52539), (870, 52524), (879, 52500), (881, 52485), (882, 52482), (884, 52470), (892, 52446), (911, 52398), (922, 52374),

Gene: Knocker_59 Start: 55993, Stop: 54140, Start Num: 197

Candidate Starts for Knocker_59:

(Start: 197 @55993 has 267 MA's), (253, 55936), (273, 55891), (280, 55879), (282, 55876), (296, 55855), (343, 55750), (412, 55588), (413, 55585), (420, 55567), (445, 55480), (486, 55423), (491, 55411), (499, 55387), (502, 55375), (516, 55339), (518, 55333), (549, 55252), (556, 55231), (557, 55228), (567, 55204), (570, 55198), (611, 55114), (626, 55084), (647, 55018), (664, 54970), (671, 54949), (677, 54928), (684, 54892), (691, 54862), (696, 54835), (702, 54814), (727, 54727), (729, 54721), (732, 54712), (747, 54649), (765, 54613), (766, 54610), (767, 54607), (771, 54595), (777, 54571), (796, 54517), (800, 54505), (806, 54484), (808, 54475), (840, 54415), (854, 54376), (862, 54337), (864, 54331), (879, 54292), (880, 54280), (881, 54277), (882, 54274), (888, 54250), (892, 54238), (900, 54214), (911, 54190), (912, 54187), (922, 54166), (925, 54145),

Gene: Knox_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for Knox_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (407, 28661), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (629, 28067), (654, 28013), (661, 27992), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Koduck_44 Start: 30337, Stop: 28550, Start Num: 228

Candidate Starts for Koduck_44:

(Start: 228 @30337 has 10 MA's), (343, 30130), (347, 30124), (354, 30109), (365, 30094), (381, 30064), (382, 30061), (394, 30031), (402, 30004), (408, 29983), (418, 29953), (448, 29851), (500, 29758), (514, 29713), (516, 29710), (519, 29701), (528, 29686), (553, 29620), (567, 29587), (588, 29539), (611, 29491), (695, 29266), (707, 29215), (718, 29182), (719, 29179), (735, 29113), (745, 29074), (758, 29053), (781, 28978), (788, 28960), (802, 28915), (811, 28888), (828, 28852), (840, 28834), (853, 28798), (857, 28774), (877, 28717), (898, 28639), (903, 28627), (909, 28618),

Gene: Koji_37 Start: 28666, Stop: 26816, Start Num: 268

Candidate Starts for Koji_37:

(Start: 268 @28666 has 18 MA's), (336, 28543), (355, 28510), (405, 28399), (412, 28378), (415, 28372), (417, 28363), (431, 28321), (479, 28165), (493, 28111), (497, 28105), (498, 28102), (500, 28090), (509, 28060), (530, 28003), (638, 27787), (670, 27709), (728, 27499), (732, 27487), (735, 27469), (746, 27427), (773, 27340), (834, 27151), (836, 27142), (854, 27082), (858, 27058), (864, 27037), (869, 27025), (896, 26914),

Gene: Koko_47 Start: 30329, Stop: 28530, Start Num: 229

Candidate Starts for Koko_47:

(Start: 229 @30329 has 918 MA's), (341, 30125), (347, 30116), (382, 30050), (383, 30047), (394, 30020), (398, 30005), (402, 29993), (418, 29942), (444, 29852), (448, 29840), (500, 29747), (516, 29699), (519, 29690), (595, 29507), (673, 29357), (695, 29252), (707, 29195), (719, 29159), (723, 29150), (728, 29123), (735, 29093), (745, 29054), (758, 29033), (769, 29000), (771, 28994), (802, 28895), (828, 28832), (853, 28778), (857, 28754), (877, 28697), (898, 28619), (903, 28607), (909, 28598), (911, 28595),

Gene: Koreni_44 Start: 31251, Stop: 29425, Start Num: 229

Candidate Starts for Koreni_44:

(Start: 229 @31251 has 918 MA's), (250, 31230), (261, 31200), (273, 31170), (365, 31008), (376, 30990), (402, 30918), (404, 30909), (441, 30789), (448, 30765), (500, 30672), (517, 30624), (528, 30603), (543, 30564), (598, 30432), (611, 30411), (635, 30366), (640, 30354), (692, 30201), (695, 30180), (728, 30057), (735, 30027), (745, 29988), (765, 29922), (766, 29919), (771, 29904), (777, 29880), (786, 29856), (857, 29649), (898, 29514), (903, 29502), (909, 29493),

Gene: Kratak_45 Start: 31709, Stop: 29883, Start Num: 229

Candidate Starts for Kratak_45:

(Start: 229 @31709 has 918 MA's), (250, 31688), (261, 31658), (273, 31628), (365, 31466), (376, 31448), (402, 31376), (404, 31367), (441, 31247), (448, 31223), (500, 31130), (517, 31082), (543, 31022), (598, 30890), (611, 30869), (635, 30824), (640, 30812), (692, 30659), (695, 30638), (728, 30515), (735, 30485), (745, 30446), (765, 30380), (766, 30377), (771, 30362), (777, 30338), (786, 30314), (857, 30107), (898, 29972), (903, 29960), (909, 29951),

Gene: Kremtemulon_45 Start: 31521, Stop: 29695, Start Num: 229

Candidate Starts for Kremtemulon_45:

(Start: 229 @31521 has 918 MA's), (260, 31473), (341, 31317), (382, 31245), (402, 31188), (404, 31179), (441, 31059), (448, 31035), (487, 30981), (500, 30942), (517, 30894), (528, 30873), (543, 30834), (598, 30702), (603, 30693), (611, 30681), (635, 30636), (640, 30624), (692, 30471), (695, 30450), (728, 30327), (735, 30297), (745, 30258), (765, 30192), (766, 30189), (771, 30174), (777, 30150), (786, 30126), (857, 29919), (898, 29784), (903, 29772), (909, 29763),

Gene: Krishelle_36 Start: 28397, Stop: 26613, Start Num: 229

Candidate Starts for Krishelle_36:

(Start: 229 @28397 has 918 MA's), (325, 28226), (361, 28163), (381, 28124), (382, 28121), (398, 28076), (402, 28064), (404, 28055), (417, 28016), (448, 27911), (500, 27818), (516, 27770), (543, 27707), (553, 27680), (598, 27575), (614, 27548), (635, 27509), (695, 27329), (705, 27281), (735, 27176), (736, 27173), (758, 27116), (765, 27095), (779, 27047), (804, 26972), (837, 26903), (853, 26861), (854, 26858), (857, 26837), (861, 26822), (881, 26759), (898, 26702), (903, 26690), (923, 26651), (925, 26633),

Gene: Kristoff_44 Start: 31492, Stop: 29657, Start Num: 229

Candidate Starts for Kristoff_44:

(Start: 229 @31492 has 918 MA's), (261, 31441), (298, 31375), (341, 31288), (354, 31264), (378, 31228), (382, 31216), (402, 31159), (404, 31150), (448, 31006), (483, 30964), (500, 30913), (517, 30865), (543, 30805), (596, 30676), (598, 30673), (611, 30652), (614, 30646), (668, 30538), (695, 30415), (705, 30367), (728, 30292), (735, 30262), (745, 30223), (765, 30154), (766, 30151), (777, 30112), (786, 30088), (788, 30082), (792, 30070), (857, 29881), (864, 29857), (883, 29794), (898, 29746), (903, 29734), (909, 29725),

Gene: Kronus_58 Start: 54729, Stop: 52912, Start Num: 238

Candidate Starts for Kronus_58:

(124, 54912), (Start: 238 @54729 has 44 MA's), (253, 54699), (347, 54519), (395, 54414), (408, 54366), (412, 54354), (422, 54324), (426, 54318), (445, 54255), (447, 54249), (486, 54198), (499,

54162), (516, 54114), (557, 54009), (596, 53913), (627, 53862), (676, 53718), (684, 53679), (691, 53649), (696, 53622), (700, 53610), (727, 53514), (729, 53508), (732, 53499), (734, 53487), (759, 53415), (765, 53385), (771, 53367), (773, 53358), (796, 53289), (800, 53277), (806, 53256), (840, 53187), (849, 53172), (854, 53148), (857, 53127), (862, 53109), (864, 53103), (877, 53070), (879, 53064), (882, 53046), (884, 53034), (888, 53022), (892, 53010), (908, 52968), (922, 52938),

Gene: Kugel_46 Start: 35094, Stop: 33268, Start Num: 229

Candidate Starts for Kugel_46:

(Start: 229 @35094 has 918 MA's), (347, 34881), (354, 34866), (382, 34818), (394, 34788), (400, 34767), (402, 34761), (404, 34752), (440, 34635), (448, 34608), (500, 34515), (504, 34500), (516, 34467), (539, 34416), (540, 34413), (566, 34347), (592, 34287), (614, 34242), (635, 34203), (695, 34023), (705, 33975), (719, 33936), (735, 33870), (745, 33831), (758, 33810), (765, 33789), (771, 33771), (792, 33705), (853, 33555), (854, 33552), (861, 33516), (870, 33492), (874, 33483), (878, 33471), (898, 33396), (909, 33375),

Gene: Kurt1_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Kurt1_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Kwadwo_59 Start: 54008, Stop: 52149, Start Num: 197

Candidate Starts for Kwadwo_59:

(Start: 175 @54032 has 5 MA's), (Start: 197 @54008 has 267 MA's), (Start: 231 @53984 has 5 MA's), (Start: 243 @53978 has 2 MA's), (260, 53936), (267, 53915), (316, 53801), (319, 53795), (337, 53765), (371, 53705), (381, 53684), (399, 53630), (403, 53618), (409, 53600), (413, 53588), (445, 53483), (486, 53426), (499, 53390), (502, 53378), (512, 53351), (531, 53306), (553, 53249), (556, 53240), (557, 53237), (664, 52979), (690, 52877), (696, 52844), (702, 52823), (729, 52730), (732, 52721), (747, 52658), (765, 52622), (766, 52619), (771, 52604), (796, 52526), (800, 52514), (806, 52493), (822, 52454), (857, 52364), (862, 52346), (864, 52340), (870, 52325), (879, 52301), (881, 52286), (882, 52283), (884, 52271), (892, 52247), (911, 52199), (922, 52175),

Gene: Kwksand96_61 Start: 54137, Stop: 52278, Start Num: 197

Candidate Starts for Kwksand96_61:

(Start: 175 @54161 has 5 MA's), (Start: 197 @54137 has 267 MA's), (Start: 231 @54113 has 5 MA's), (Start: 243 @54107 has 2 MA's), (260, 54065), (267, 54044), (316, 53930), (319, 53924), (337, 53894), (371, 53834), (381, 53813), (399, 53759), (403, 53747), (409, 53729), (413, 53717), (445, 53612), (486, 53555), (499, 53519), (502, 53507), (512, 53480), (531, 53435), (553, 53378), (556, 53369), (557, 53366), (690, 53006), (696, 52973), (702, 52952), (729, 52859), (732, 52850), (747, 52787), (765, 52751), (766, 52748), (771, 52733), (796, 52655), (800, 52643), (806, 52622), (822, 52583), (857, 52493), (862, 52475), (864, 52469), (870, 52454), (879, 52430), (881, 52415), (882, 52412), (884, 52400), (892, 52376), (911, 52328), (922, 52304), (924, 52289),

Gene: KyMonks1A_47 Start: 34990, Stop: 33164, Start Num: 229

Candidate Starts for KyMonks1A_47:

(Start: 229 @34990 has 918 MA's), (347, 34777), (354, 34762), (394, 34684), (400, 34663), (402, 34657), (404, 34648), (440, 34531), (448, 34504), (500, 34411), (504, 34396), (516, 34363), (539, 34312), (540, 34309), (566, 34243), (580, 34213), (592, 34183), (614, 34138), (635, 34099), (695, 33919), (705, 33871), (719, 33832), (735, 33766), (745, 33727), (758, 33706), (765, 33685), (771,

33667), (792, 33601), (853, 33451), (854, 33448), (861, 33412), (870, 33388), (874, 33379), (878, 33367), (883, 33340), (898, 33292), (909, 33271),

Gene: Kyee_45 Start: 31568, Stop: 29742, Start Num: 229

Candidate Starts for Kyee_45:

(Start: 229 @31568 has 918 MA's), (250, 31547), (261, 31517), (273, 31487), (365, 31325), (376, 31307), (402, 31235), (404, 31226), (441, 31106), (448, 31082), (500, 30989), (517, 30941), (528, 30920), (543, 30881), (598, 30749), (611, 30728), (635, 30683), (640, 30671), (692, 30518), (695, 30497), (728, 30374), (735, 30344), (745, 30305), (765, 30239), (766, 30236), (771, 30221), (777, 30197), (786, 30173), (857, 29966), (898, 29831), (903, 29819), (909, 29810),

Gene: Kykar_45 Start: 34788, Stop: 32959, Start Num: 229

Candidate Starts for Kykar_45:

(Start: 229 @34788 has 918 MA's), (347, 34575), (354, 34560), (394, 34482), (400, 34461), (402, 34455), (404, 34446), (448, 34302), (500, 34209), (504, 34194), (539, 34110), (540, 34107), (566, 34041), (580, 34011), (592, 33981), (614, 33936), (635, 33897), (695, 33717), (705, 33669), (723, 33621), (732, 33582), (735, 33564), (745, 33525), (758, 33504), (765, 33483), (770, 33468), (808, 33345), (875, 33174), (880, 33150), (895, 33102), (898, 33090), (909, 33069), (912, 33063), (928, 33015), (935, 33000),

Gene: L5_44 Start: 30476, Stop: 28689, Start Num: 228

Candidate Starts for L5_44:

(Start: 228 @30476 has 10 MA's), (341, 30272), (343, 30269), (347, 30263), (354, 30248), (365, 30233), (381, 30203), (382, 30200), (394, 30170), (402, 30143), (408, 30122), (418, 30092), (448, 29990), (500, 29897), (514, 29852), (516, 29849), (519, 29840), (528, 29825), (553, 29759), (567, 29726), (588, 29678), (611, 29630), (695, 29405), (707, 29354), (718, 29321), (719, 29318), (735, 29252), (745, 29213), (758, 29192), (781, 29117), (788, 29099), (802, 29054), (811, 29027), (828, 28991), (840, 28973), (853, 28937), (857, 28913), (877, 28856), (898, 28778), (903, 28766), (909, 28757),

Gene: LBerry_49 Start: 31856, Stop: 30042, Start Num: 229

Candidate Starts for LBerry_49:

(Start: 229 @31856 has 918 MA's), (255, 31817), (261, 31805), (341, 31652), (349, 31637), (382, 31580), (402, 31523), (404, 31514), (418, 31472), (432, 31421), (448, 31370), (500, 31277), (516, 31229), (519, 31220), (528, 31205), (543, 31166), (553, 31139), (566, 31109), (607, 31016), (639, 30956), (649, 30941), (695, 30785), (719, 30698), (735, 30632), (745, 30593), (766, 30521), (777, 30482), (786, 30458), (792, 30440), (802, 30407), (811, 30380), (840, 30326), (857, 30266), (881, 30188), (898, 30131), (903, 30119), (909, 30110),

Gene: LHTSCC_47 Start: 31992, Stop: 30166, Start Num: 229

Candidate Starts for LHTSCC_47:

(Start: 229 @31992 has 918 MA's), (260, 31944), (341, 31788), (382, 31716), (402, 31659), (404, 31650), (441, 31530), (448, 31506), (500, 31413), (517, 31365), (528, 31344), (543, 31305), (560, 31260), (598, 31173), (603, 31164), (611, 31152), (635, 31107), (640, 31095), (692, 30942), (695, 30921), (728, 30798), (735, 30768), (745, 30729), (765, 30663), (766, 30660), (777, 30621), (786, 30597), (857, 30390), (898, 30255), (903, 30243), (909, 30234),

Gene: Labeouficaum_61 Start: 54131, Stop: 52272, Start Num: 197

Candidate Starts for Labeouficaum_61:

(Start: 175 @54155 has 5 MA's), (Start: 197 @54131 has 267 MA's), (Start: 231 @54107 has 5 MA's), (Start: 243 @54101 has 2 MA's), (260, 54059), (267, 54038), (316, 53924), (319, 53918), (337, 53888), (371, 53828), (381, 53807), (399, 53753), (403, 53741), (409, 53723), (413, 53711), (445, 53606), (486, 53549), (499, 53513), (502, 53501), (511, 53477), (516, 53465), (524, 53447), (531,

53429), (539, 53411), (553, 53372), (556, 53363), (557, 53360), (558, 53357), (664, 53102), (690, 53000), (696, 52967), (702, 52946), (729, 52853), (732, 52844), (747, 52781), (765, 52745), (766, 52742), (771, 52727), (796, 52649), (800, 52637), (806, 52616), (822, 52577), (857, 52487), (862, 52469), (864, 52463), (870, 52448), (879, 52424), (881, 52409), (882, 52406), (884, 52394), (892, 52370), (898, 52349), (911, 52322), (922, 52298), (924, 52283),

Gene: LadyBird_47 Start: 31737, Stop: 29950, Start Num: 229

Candidate Starts for LadyBird_47:

(Start: 229 @31737 has 918 MA's), (341, 31533), (343, 31530), (347, 31524), (354, 31509), (365, 31494), (382, 31461), (383, 31458), (394, 31431), (402, 31404), (408, 31383), (418, 31353), (448, 31251), (500, 31158), (502, 31149), (516, 31110), (519, 31101), (528, 31086), (553, 31020), (588, 30939), (611, 30891), (614, 30885), (678, 30747), (695, 30666), (707, 30615), (718, 30582), (719, 30579), (735, 30513), (745, 30474), (758, 30453), (781, 30378), (788, 30360), (802, 30315), (811, 30288), (828, 30252), (840, 30234), (853, 30198), (857, 30174), (877, 30117), (898, 30039), (903, 30027), (909, 30018),

Gene: Lahqtemish_42 Start: 29831, Stop: 31705, Start Num: 229

Candidate Starts for Lahqtemish_42:

(Start: 229 @29831 has 918 MA's), (266, 29900), (280, 29921), (382, 30101), (409, 30182), (543, 30503), (648, 30737), (682, 30857), (683, 30860), (695, 30920), (698, 30926), (714, 30986), (716, 31001), (726, 31037), (729, 31046), (735, 31073), (764, 31166), (769, 31184), (777, 31214), (821, 31337), (822, 31340), (853, 31409), (861, 31448), (864, 31457), (877, 31490), (879, 31496), (880, 31508), (891, 31544), (898, 31568), (903, 31580), (909, 31589), (920, 31613),

Gene: Lambano_52 Start: 52998, Stop: 51175, Start Num: 189

Candidate Starts for Lambano_52:

(Start: 175 @53016 has 5 MA's), (Start: 189 @52998 has 57 MA's), (Start: 243 @52974 has 2 MA's), (253, 52947), (260, 52932), (267, 52911), (308, 52824), (368, 52719), (386, 52677), (409, 52611), (420, 52581), (422, 52572), (425, 52569), (426, 52566), (434, 52539), (486, 52446), (493, 52428), (499, 52410), (502, 52398), (508, 52383), (512, 52371), (556, 52260), (557, 52257), (570, 52227), (586, 52191), (676, 51966), (677, 51963), (684, 51927), (690, 51903), (696, 51870), (727, 51762), (729, 51756), (731, 51750), (732, 51747), (765, 51648), (766, 51645), (771, 51630), (796, 51552), (800, 51540), (806, 51519), (808, 51510), (822, 51480), (837, 51456), (852, 51423), (857, 51390), (862, 51372), (864, 51366), (879, 51327), (882, 51309), (884, 51297), (892, 51273), (908, 51231), (911, 51225), (922, 51201),

Gene: Lambert1_44 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for Lambert1_44:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Lamina13_45 Start: 34387, Stop: 32561, Start Num: 229

Candidate Starts for Lamina13_45:

(Start: 229 @34387 has 918 MA's), (347, 34174), (354, 34159), (394, 34081), (400, 34060), (402, 34054), (404, 34045), (440, 33928), (448, 33901), (500, 33808), (504, 33793), (539, 33709), (540, 33706), (566, 33640), (580, 33610), (592, 33580), (614, 33535), (635, 33496), (695, 33316), (705, 33268), (719, 33229), (735, 33163), (745, 33124), (758, 33103), (765, 33082), (771, 33064), (792, 32998), (853, 32848), (854, 32845), (861, 32809), (870, 32785), (874, 32776), (878, 32764), (898, 32689), (909, 32668),

Gene: Landor_44 Start: 32538, Stop: 30748, Start Num: 229

Candidate Starts for Landor_44:

(Start: 229 @32538 has 918 MA's), (341, 32334), (347, 32325), (383, 32256), (394, 32229), (402, 32202), (448, 32049), (500, 31956), (516, 31908), (519, 31899), (528, 31884), (553, 31818), (567, 31785), (603, 31701), (649, 31620), (667, 31590), (695, 31464), (704, 31434), (707, 31413), (728, 31341), (735, 31311), (745, 31272), (758, 31251), (765, 31230), (828, 31050), (837, 31038), (853, 30996), (857, 30972), (877, 30915), (881, 30894), (898, 30837), (903, 30825), (909, 30816),

Gene: LappelDuVide_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for LappelDuVide_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: Larenn_44 Start: 31600, Stop: 29807, Start Num: 229

Candidate Starts for Larenn_44:

(Start: 229 @31600 has 918 MA's), (341, 31396), (343, 31393), (347, 31387), (365, 31357), (382, 31324), (383, 31321), (394, 31294), (402, 31267), (418, 31216), (448, 31114), (500, 31021), (516, 30973), (519, 30964), (528, 30949), (553, 30883), (588, 30802), (611, 30754), (614, 30748), (678, 30610), (695, 30529), (707, 30472), (718, 30439), (728, 30400), (735, 30370), (745, 30331), (758, 30310), (765, 30289), (837, 30097), (840, 30091), (853, 30055), (857, 30031), (877, 29974), (881, 29953), (898, 29896), (903, 29884), (909, 29875),

Gene: LarryKay_48 Start: 31886, Stop: 30072, Start Num: 229

Candidate Starts for LarryKay_48:

(Start: 229 @31886 has 918 MA's), (255, 31847), (261, 31835), (341, 31682), (349, 31667), (382, 31610), (402, 31553), (404, 31544), (418, 31502), (432, 31451), (448, 31400), (487, 31346), (500, 31307), (516, 31259), (528, 31235), (543, 31196), (553, 31169), (566, 31139), (607, 31046), (614, 31034), (639, 30986), (649, 30971), (695, 30815), (707, 30764), (718, 30731), (719, 30728), (735, 30662), (745, 30623), (766, 30551), (777, 30512), (786, 30488), (792, 30470), (802, 30437), (840, 30356), (857, 30296), (883, 30209), (898, 30161), (903, 30149), (909, 30140), (911, 30137),

Gene: Lars_57 Start: 52585, Stop: 50756, Start Num: 189

Candidate Starts for Lars_57:

(Start: 189 @52585 has 57 MA's), (Start: 243 @52558 has 2 MA's), (254, 52528), (260, 52516), (271, 52489), (273, 52486), (278, 52477), (298, 52459), (343, 52363), (371, 52312), (382, 52288), (391, 52264), (434, 52126), (442, 52102), (445, 52090), (486, 52033), (499, 51997), (502, 51985), (511, 51961), (544, 51883), (546, 51877), (549, 51868), (556, 51847), (557, 51844), (570, 51814), (633, 51670), (659, 51604), (676, 51553), (679, 51532), (684, 51514), (696, 51457), (723, 51373), (729, 51343), (732, 51334), (747, 51268), (763, 51241), (765, 51232), (771, 51214), (777, 51190), (796, 51136), (800, 51124), (806, 51103), (840, 51034), (857, 50974), (862, 50956), (875, 50923), (879, 50911), (881, 50896), (882, 50893), (884, 50881), (892, 50857), (893, 50854), (911, 50806), (912, 50803), (922, 50782), (925, 50761),

Gene: LasagnaCat_62 Start: 54420, Stop: 52561, Start Num: 197

Candidate Starts for LasagnaCat_62:

(Start: 175 @54444 has 5 MA's), (Start: 197 @54420 has 267 MA's), (Start: 231 @54396 has 5 MA's), (Start: 243 @54390 has 2 MA's), (260, 54348), (267, 54327), (316, 54213), (319, 54207), (337, 54177), (371, 54117), (381, 54096), (399, 54042), (403, 54030), (409, 54012), (413, 54000), (445, 53895), (486, 53838), (499, 53802), (502, 53790), (512, 53763), (524, 53736), (531, 53718), (539,

53700), (553, 53661), (556, 53652), (557, 53649), (558, 53646), (690, 53289), (696, 53256), (702, 53235), (729, 53142), (732, 53133), (747, 53070), (765, 53034), (766, 53031), (771, 53016), (796, 52938), (800, 52926), (806, 52905), (822, 52866), (857, 52776), (862, 52758), (864, 52752), (870, 52737), (879, 52713), (881, 52698), (882, 52695), (884, 52683), (892, 52659), (911, 52611), (922, 52587),

Gene: Lasso_61 Start: 54283, Stop: 52424, Start Num: 197

Candidate Starts for Lasso_61:

(Start: 175 @54307 has 5 MA's), (Start: 197 @54283 has 267 MA's), (Start: 231 @54259 has 5 MA's), (Start: 243 @54253 has 2 MA's), (260, 54211), (267, 54190), (316, 54076), (319, 54070), (337, 54040), (371, 53980), (381, 53959), (399, 53905), (403, 53893), (409, 53875), (413, 53863), (445, 53758), (486, 53701), (499, 53665), (502, 53653), (512, 53626), (531, 53581), (553, 53524), (556, 53515), (557, 53512), (690, 53152), (696, 53119), (702, 53098), (729, 53005), (732, 52996), (747, 52933), (765, 52897), (766, 52894), (771, 52879), (796, 52801), (800, 52789), (806, 52768), (822, 52729), (857, 52639), (862, 52621), (864, 52615), (870, 52600), (879, 52576), (881, 52561), (882, 52558), (884, 52546), (892, 52522), (911, 52474), (922, 52450),

Gene: LastResort_46 Start: 29743, Stop: 27953, Start Num: 229

Candidate Starts for LastResort_46:

(Start: 229 @29743 has 918 MA's), (327, 29569), (382, 29464), (383, 29461), (394, 29434), (402, 29407), (418, 29356), (448, 29254), (500, 29161), (514, 29116), (516, 29113), (519, 29104), (588, 28942), (598, 28915), (611, 28894), (614, 28888), (669, 28789), (678, 28750), (690, 28699), (695, 28669), (707, 28618), (718, 28585), (726, 28552), (728, 28546), (735, 28516), (758, 28456), (765, 28435), (777, 28393), (787, 28366), (792, 28351), (823, 28264), (853, 28201), (854, 28198), (898, 28042), (903, 28030), (911, 28018),

Gene: Lauer_41 Start: 35269, Stop: 32888, Start Num: 41

Candidate Starts for Lauer_41:

(Start: 41 @35269 has 13 MA's), (58, 35209), (71, 35167), (83, 35128), (114, 35038), (121, 35008), (132, 34987), (156, 34963), (205, 34885), (210, 34879), (211, 34876), (Start: 243 @34846 has 2 MA's), (262, 34798), (274, 34771), (Start: 276 @34768 has 5 MA's), (311, 34711), (320, 34687), (333, 34672), (342, 34651), (366, 34609), (379, 34585), (382, 34576), (384, 34570), (386, 34564), (398, 34531), (405, 34510), (412, 34489), (469, 34306), (489, 34231), (500, 34189), (547, 34102), (609, 34024), (612, 34018), (634, 33973), (635, 33970), (642, 33955), (654, 33934), (688, 33808), (699, 33760), (701, 33751), (707, 33721), (712, 33709), (735, 33616), (744, 33580), (746, 33574), (748, 33568), (750, 33562), (766, 33505), (773, 33481), (801, 33376), (802, 33373), (838, 33280), (844, 33262), (854, 33223), (863, 33181), (871, 33157), (879, 33127), (888, 33079), (891, 33070), (896, 33055), (910, 33010), (933, 32944), (944, 32923), (945, 32917), (949, 32911),

Gene: Laurie_57 Start: 52312, Stop: 50483, Start Num: 189

Candidate Starts for Laurie_57:

(Start: 189 @52312 has 57 MA's), (Start: 243 @52285 has 2 MA's), (254, 52255), (260, 52243), (271, 52216), (273, 52213), (278, 52204), (298, 52186), (343, 52090), (371, 52039), (382, 52015), (434, 51853), (439, 51838), (442, 51829), (445, 51817), (486, 51760), (499, 51724), (502, 51712), (511, 51688), (544, 51610), (546, 51604), (549, 51595), (556, 51574), (557, 51571), (570, 51541), (633, 51397), (659, 51331), (676, 51280), (679, 51259), (684, 51241), (696, 51184), (715, 51127), (723, 51100), (729, 51070), (732, 51061), (747, 50995), (763, 50968), (765, 50959), (771, 50941), (777, 50917), (796, 50863), (800, 50851), (806, 50830), (840, 50761), (857, 50701), (862, 50683), (875, 50650), (879, 50638), (881, 50623), (882, 50620), (884, 50608), (892, 50584), (893, 50581), (911, 50533), (912, 50530), (922, 50509), (925, 50488),

Gene: Leaf_95 Start: 58518, Stop: 60557, Start Num: 188

Candidate Starts for Leaf_95:

(Start: 188 @58518 has 5 MA's), (260, 58629), (261, 58632), (271, 58659), (301, 58716), (320, 58752), (338, 58791), (368, 58845), (375, 58857), (379, 58866), (392, 58902), (408, 58962), (413, 58977), (417, 58989), (432, 59034), (442, 59064), (474, 59178), (499, 59271), (500, 59274), (502, 59283), (508, 59301), (561, 59409), (590, 59463), (594, 59475), (625, 59541), (653, 59610), (704, 59763), (728, 59847), (735, 59877), (772, 60009), (773, 60012), (782, 60048), (790, 60081), (802, 60120), (854, 60270), (858, 60294), (860, 60300), (864, 60315), (872, 60345), (889, 60423), (896, 60444), (903, 60474), (920, 60516), (932, 60552),

Gene: Leafus_38 Start: 29199, Stop: 27334, Start Num: 270

Candidate Starts for Leafus_38:

(Start: 270 @29199 has 147 MA's), (Start: 276 @29190 has 5 MA's), (407, 28926), (412, 28911), (415, 28905), (456, 28773), (471, 28719), (493, 28632), (498, 28623), (500, 28611), (508, 28584), (509, 28581), (514, 28566), (516, 28560), (547, 28479), (629, 28332), (670, 28230), (728, 28017), (731, 28008), (732, 28005), (735, 27987), (746, 27945), (757, 27915), (773, 27858), (820, 27699), (834, 27669), (854, 27600), (858, 27576), (870, 27537), (880, 27492),

Gene: LeeLot_61 Start: 54638, Stop: 52779, Start Num: 197

Candidate Starts for LeeLot_61:

(Start: 175 @54662 has 5 MA's), (Start: 197 @54638 has 267 MA's), (Start: 231 @54614 has 5 MA's), (Start: 243 @54608 has 2 MA's), (260, 54566), (267, 54545), (316, 54431), (319, 54425), (337, 54395), (371, 54335), (381, 54314), (399, 54260), (403, 54248), (409, 54230), (413, 54218), (445, 54113), (486, 54056), (499, 54020), (502, 54008), (512, 53981), (531, 53936), (553, 53879), (556, 53870), (557, 53867), (690, 53507), (696, 53474), (702, 53453), (729, 53360), (732, 53351), (747, 53288), (765, 53252), (766, 53249), (771, 53234), (796, 53156), (800, 53144), (806, 53123), (822, 53084), (857, 52994), (862, 52976), (864, 52970), (870, 52955), (879, 52931), (881, 52916), (882, 52913), (884, 52901), (892, 52877), (911, 52829), (922, 52805),

Gene: Lego_41 Start: 29589, Stop: 31454, Start Num: 229

Candidate Starts for Lego_41:

(Start: 229 @29589 has 918 MA's), (260, 29637), (394, 29886), (421, 29976), (501, 30183), (504, 30192), (540, 30282), (543, 30291), (548, 30306), (567, 30351), (588, 30396), (611, 30444), (640, 30501), (669, 30582), (689, 30669), (695, 30702), (704, 30732), (719, 30789), (735, 30855), (764, 30948), (786, 31020), (825, 31128), (853, 31191), (857, 31215), (891, 31326), (898, 31350), (902, 31359),

Gene: Lego3393_59 Start: 54589, Stop: 52730, Start Num: 197

Candidate Starts for Lego3393_59:

(Start: 175 @54613 has 5 MA's), (Start: 197 @54589 has 267 MA's), (Start: 231 @54565 has 5 MA's), (Start: 243 @54559 has 2 MA's), (260, 54517), (267, 54496), (316, 54382), (319, 54376), (337, 54346), (371, 54286), (381, 54265), (399, 54211), (403, 54199), (409, 54181), (413, 54169), (445, 54064), (486, 54007), (499, 53971), (502, 53959), (512, 53932), (524, 53905), (531, 53887), (539, 53869), (553, 53830), (556, 53821), (557, 53818), (690, 53458), (696, 53425), (702, 53404), (729, 53311), (732, 53302), (747, 53239), (765, 53203), (766, 53200), (771, 53185), (796, 53107), (800, 53095), (806, 53074), (822, 53035), (857, 52945), (862, 52927), (864, 52921), (870, 52906), (879, 52882), (881, 52867), (882, 52864), (884, 52852), (892, 52828), (911, 52780), (922, 52756),

Gene: Legolas_62 Start: 54377, Stop: 52518, Start Num: 197

Candidate Starts for Legolas_62:

(Start: 175 @54401 has 5 MA's), (Start: 197 @54377 has 267 MA's), (Start: 231 @54353 has 5 MA's), (Start: 243 @54347 has 2 MA's), (260, 54305), (267, 54284), (316, 54170), (319, 54164), (337, 54134), (371, 54074), (381, 54053), (399, 53999), (403, 53987), (409, 53969), (413, 53957), (445, 53852), (486, 53795), (499, 53759), (502, 53747), (512, 53720), (531, 53675), (553, 53618), (556, 53609), (557, 53606), (690, 53246), (696, 53213), (702, 53192), (729, 53099), (732, 53090), (747,

53027), (765, 52991), (766, 52988), (771, 52973), (796, 52895), (800, 52883), (806, 52862), (822, 52823), (857, 52733), (862, 52715), (864, 52709), (870, 52694), (879, 52670), (881, 52655), (882, 52652), (884, 52640), (892, 52616), (911, 52568), (922, 52544),

Gene: LeiMonet_63 Start: 54494, Stop: 52635, Start Num: 197

Candidate Starts for LeiMonet_63:

(Start: 175 @54518 has 5 MA's), (Start: 197 @54494 has 267 MA's), (Start: 231 @54470 has 5 MA's), (Start: 243 @54464 has 2 MA's), (260, 54422), (267, 54401), (316, 54287), (319, 54281), (337, 54251), (371, 54191), (381, 54170), (399, 54116), (403, 54104), (409, 54086), (413, 54074), (445, 53969), (486, 53912), (499, 53876), (502, 53864), (511, 53840), (516, 53828), (524, 53810), (531, 53792), (539, 53774), (553, 53735), (556, 53726), (557, 53723), (558, 53720), (690, 53363), (696, 53330), (702, 53309), (729, 53216), (732, 53207), (747, 53144), (765, 53108), (766, 53105), (771, 53090), (796, 53012), (800, 53000), (806, 52979), (822, 52940), (857, 52850), (862, 52832), (864, 52826), (870, 52811), (879, 52787), (881, 52772), (882, 52769), (884, 52757), (892, 52733), (911, 52685), (922, 52661),

Gene: LemonSlice_61 Start: 53968, Stop: 52109, Start Num: 197

Candidate Starts for LemonSlice_61:

(Start: 175 @53992 has 5 MA's), (Start: 197 @53968 has 267 MA's), (Start: 231 @53944 has 5 MA's), (Start: 243 @53938 has 2 MA's), (260, 53896), (267, 53875), (316, 53761), (319, 53755), (337, 53725), (371, 53665), (381, 53644), (399, 53590), (403, 53578), (409, 53560), (413, 53548), (445, 53443), (486, 53386), (499, 53350), (502, 53338), (512, 53311), (524, 53284), (531, 53266), (539, 53248), (553, 53209), (556, 53200), (557, 53197), (664, 52939), (690, 52837), (696, 52804), (702, 52783), (729, 52690), (732, 52681), (747, 52618), (765, 52582), (766, 52579), (771, 52564), (796, 52486), (800, 52474), (806, 52453), (822, 52414), (857, 52324), (862, 52306), (864, 52300), (870, 52285), (879, 52261), (881, 52246), (882, 52243), (884, 52231), (892, 52207), (911, 52159), (922, 52135),

Gene: Lemur_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Lemur_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: LeoAvram_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for LeoAvram_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Leogania_44 Start: 32411, Stop: 30624, Start Num: 229

Candidate Starts for Leogania_44:

(Start: 229 @32411 has 918 MA's), (343, 32204), (347, 32198), (354, 32183), (365, 32168), (394, 32105), (402, 32078), (408, 32057), (448, 31925), (500, 31832), (519, 31775), (528, 31760), (553, 31694), (588, 31613), (611, 31565), (614, 31559), (678, 31421), (695, 31340), (707, 31289), (718, 31256), (719, 31253), (723, 31244), (728, 31217), (735, 31187), (745, 31148), (758, 31127), (765, 31106), (840, 30908), (853, 30872), (857, 30848), (877, 30791), (881, 30770), (898, 30713), (903, 30701), (909, 30692),

Gene: Lephleur_57 Start: 52497, Stop: 50668, Start Num: 189

Candidate Starts for Lephleur_57:

(Start: 189 @52497 has 57 MA's), (Start: 243 @52470 has 2 MA's), (254, 52440), (260, 52428), (271, 52401), (273, 52398), (278, 52389), (298, 52371), (343, 52275), (371, 52224), (382, 52200), (391, 52176), (434, 52038), (442, 52014), (445, 52002), (486, 51945), (499, 51909), (502, 51897), (511, 51873), (546, 51789), (556, 51759), (557, 51756), (570, 51726), (633, 51582), (659, 51516), (673, 51477), (676, 51465), (679, 51444), (684, 51426), (696, 51369), (723, 51285), (729, 51255), (732, 51246), (747, 51180), (763, 51153), (765, 51144), (771, 51126), (777, 51102), (796, 51048), (800, 51036), (806, 51015), (840, 50946), (857, 50886), (862, 50868), (875, 50835), (879, 50823), (881, 50808), (882, 50805), (884, 50793), (892, 50769), (893, 50766), (911, 50718), (912, 50715), (922, 50694), (925, 50673),

Gene: Lesedi_42 Start: 33941, Stop: 32115, Start Num: 229

Candidate Starts for Lesedi_42:

(Start: 229 @33941 has 918 MA's), (347, 33728), (382, 33665), (394, 33635), (400, 33614), (402, 33608), (404, 33599), (440, 33482), (448, 33455), (500, 33362), (504, 33347), (516, 33314), (539, 33263), (540, 33260), (566, 33194), (580, 33164), (592, 33134), (614, 33089), (635, 33050), (695, 32870), (705, 32822), (719, 32783), (735, 32717), (745, 32678), (758, 32657), (765, 32636), (771, 32618), (792, 32552), (853, 32402), (854, 32399), (861, 32363), (870, 32339), (874, 32330), (878, 32318), (898, 32243), (909, 32222),

Gene: LestyG_57 Start: 53332, Stop: 51515, Start Num: 238

Candidate Starts for LestyG_57:

(64, 53716), (124, 53515), (Start: 238 @53332 has 44 MA's), (253, 53302), (347, 53122), (408, 52969), (412, 52957), (422, 52927), (426, 52921), (445, 52858), (447, 52852), (486, 52801), (499, 52765), (516, 52717), (557, 52612), (596, 52516), (627, 52465), (676, 52321), (684, 52282), (691, 52252), (696, 52225), (700, 52213), (727, 52117), (729, 52111), (732, 52102), (734, 52090), (759, 52018), (765, 51988), (771, 51970), (773, 51961), (796, 51892), (800, 51880), (806, 51859), (840, 51790), (849, 51775), (854, 51751), (857, 51730), (864, 51706), (879, 51667), (882, 51649), (884, 51637), (888, 51625), (892, 51613), (908, 51571), (922, 51541),

Gene: Lev2_38 Start: 30259, Stop: 28415, Start Num: 229

Candidate Starts for Lev2_38:

(Start: 229 @30259 has 918 MA's), (261, 30208), (296, 30148), (327, 30085), (341, 30055), (343, 30052), (378, 29995), (382, 29983), (394, 29953), (402, 29926), (432, 29824), (437, 29809), (448, 29773), (489, 29713), (500, 29677), (516, 29629), (550, 29545), (553, 29539), (586, 29467), (598, 29434), (607, 29419), (614, 29407), (664, 29308), (695, 29173), (704, 29143), (705, 29125), (707, 29122), (719, 29086), (723, 29077), (726, 29056), (729, 29047), (735, 29020), (736, 29017), (758, 28960), (765, 28939), (802, 28822), (823, 28768), (828, 28759), (840, 28741), (862, 28663), (880, 28606), (891, 28570), (898, 28546), (903, 28534),

Gene: Leviathan_46 Start: 31790, Stop: 30003, Start Num: 229

Candidate Starts for Leviathan_46:

(154, 31877), (Start: 229 @31790 has 918 MA's), (343, 31583), (347, 31577), (354, 31562), (365, 31547), (383, 31511), (394, 31484), (402, 31457), (408, 31436), (448, 31304), (500, 31211), (516, 31163), (519, 31154), (528, 31139), (553, 31073), (588, 30992), (611, 30944), (614, 30938), (695, 30719), (707, 30668), (718, 30635), (719, 30632), (735, 30566), (745, 30527), (758, 30506), (781, 30431), (786, 30419), (802, 30368), (828, 30305), (840, 30287), (853, 30251), (857, 30227), (881, 30149), (898, 30092), (903, 30080), (909, 30071),

Gene: Librie_37 Start: 26990, Stop: 25125, Start Num: 270

Candidate Starts for Librie_37:

(Start: 270 @26990 has 147 MA's), (274, 26984), (326, 26885), (333, 26876), (344, 26852), (353, 26837), (357, 26831), (384, 26780), (386, 26777), (415, 26696), (463, 26546), (465, 26543), (489, 26444), (497, 26417), (498, 26414), (500, 26402), (509, 26372), (516, 26351), (530, 26315), (610, 26168), (655, 26066), (678, 25988), (728, 25808), (735, 25778), (750, 25724), (757, 25706), (773, 25649), (781, 25622), (790, 25580), (802, 25541), (834, 25460), (836, 25451), (854, 25391), (858, 25367), (861, 25355), (864, 25346), (870, 25328), (879, 25295), (896, 25223),

Gene: Licorice_48 Start: 36210, Stop: 34423, Start Num: 229

Candidate Starts for Licorice_48:

(Start: 229 @36210 has 918 MA's), (347, 35997), (354, 35982), (394, 35904), (400, 35883), (402, 35877), (404, 35868), (440, 35751), (448, 35724), (500, 35631), (504, 35616), (516, 35583), (539, 35532), (540, 35529), (560, 35475), (566, 35463), (580, 35433), (592, 35403), (614, 35358), (635, 35319), (695, 35139), (705, 35091), (719, 35052), (735, 34986), (763, 34914), (765, 34905), (792, 34821), (823, 34734), (870, 34608), (875, 34596), (898, 34512), (901, 34506),

Gene: Liebe_42 Start: 31253, Stop: 33223, Start Num: 139

Candidate Starts for Liebe_42:

(Start: 139 @31253 has 1 MA's), (141, 31256), (Start: 229 @31379 has 918 MA's), (394, 31676), (501, 31952), (541, 32054), (548, 32075), (611, 32213), (643, 32276), (695, 32471), (698, 32477), (704, 32501), (719, 32558), (733, 32615), (735, 32624), (771, 32741), (786, 32789), (851, 32948), (853, 32960), (877, 33041), (898, 33119), (920, 33164),

Gene: Ligma_51 Start: 45981, Stop: 44164, Start Num: 236

Candidate Starts for Ligma_51:

(75, 46302), (81, 46278), (Start: 236 @45981 has 14 MA's), (253, 45945), (260, 45930), (273, 45900), (334, 45774), (395, 45651), (399, 45636), (413, 45594), (445, 45498), (499, 45405), (549, 45276), (557, 45252), (679, 44940), (684, 44922), (696, 44865), (729, 44751), (732, 44742), (747, 44679), (766, 44640), (771, 44625), (796, 44547), (800, 44535), (806, 44514), (808, 44505), (852, 44418), (858, 44382), (861, 44370), (876, 44331), (879, 44322), (881, 44307), (892, 44262), (922, 44190),

Gene: LilBib_45 Start: 35268, Stop: 33442, Start Num: 229

Candidate Starts for LilBib_45:

(Start: 229 @35268 has 918 MA's), (347, 35055), (354, 35040), (382, 34992), (394, 34962), (400, 34941), (402, 34935), (404, 34926), (440, 34809), (448, 34782), (500, 34689), (504, 34674), (516, 34641), (539, 34590), (540, 34587), (566, 34521), (580, 34491), (592, 34461), (614, 34416), (635, 34377), (695, 34197), (705, 34149), (723, 34101), (732, 34062), (735, 34044), (745, 34005), (758, 33984), (765, 33963), (770, 33948), (808, 33825), (861, 33690), (870, 33666), (874, 33657), (878, 33645), (898, 33570), (909, 33549),

Gene: LilMcDreamy_55 Start: 53828, Stop: 51987, Start Num: 189

Candidate Starts for LilMcDreamy_55:

(Start: 189 @53828 has 57 MA's), (Start: 242 @53786 has 4 MA's), (253, 53759), (343, 53591), (381, 53519), (391, 53492), (408, 53441), (425, 53396), (426, 53393), (436, 53360), (439, 53351), (445, 53330), (499, 53237), (502, 53225), (516, 53189), (539, 53135), (546, 53117), (553, 53096), (556, 53087), (557, 53084), (598, 52985), (627, 52937), (676, 52793), (684, 52754), (696, 52697), (702, 52676), (711, 52646), (729, 52583), (732, 52574), (736, 52553), (759, 52490), (765, 52460), (771, 52442), (796, 52364), (800, 52352), (806, 52331), (808, 52322), (857, 52202), (879, 52139), (880, 52127), (888, 52097), (892, 52085), (908, 52043), (922, 52013),

Gene: LilTerminator_38 Start: 27012, Stop: 25147, Start Num: 270

Candidate Starts for LilTerminator_38:

(Start: 270 @27012 has 147 MA's), (274, 27006), (326, 26907), (333, 26898), (344, 26874), (353, 26859), (357, 26853), (384, 26802), (386, 26799), (415, 26718), (463, 26568), (465, 26565), (489,

26466), (497, 26439), (498, 26436), (500, 26424), (509, 26394), (516, 26373), (530, 26337), (610, 26190), (638, 26121), (676, 26022), (678, 26010), (728, 25830), (735, 25800), (750, 25746), (757, 25728), (773, 25671), (781, 25644), (790, 25602), (834, 25482), (836, 25473), (854, 25413), (858, 25389), (861, 25377), (864, 25368), (870, 25350), (879, 25317), (896, 25245),

Gene: LilTurb_45 Start: 31623, Stop: 29836, Start Num: 229

Candidate Starts for LilTurb_45:

(Start: 229 @31623 has 918 MA's), (343, 31416), (347, 31410), (354, 31395), (365, 31380), (383, 31344), (394, 31317), (402, 31290), (408, 31269), (448, 31137), (500, 31044), (516, 30996), (519, 30987), (528, 30972), (553, 30906), (588, 30825), (611, 30777), (614, 30771), (649, 30708), (695, 30552), (707, 30501), (718, 30468), (719, 30465), (735, 30399), (745, 30360), (758, 30339), (781, 30264), (786, 30252), (802, 30201), (828, 30138), (840, 30120), (853, 30084), (857, 30060), (881, 29982), (898, 29925), (903, 29913), (909, 29904),

Gene: Lilbooboo_34 Start: 26910, Stop: 28784, Start Num: 229

Candidate Starts for Lilbooboo_34:

(Start: 229 @26910 has 918 MA's), (250, 26931), (253, 26943), (273, 26991), (341, 27111), (394, 27213), (395, 27216), (400, 27234), (404, 27249), (437, 27357), (450, 27399), (522, 27546), (527, 27558), (539, 27588), (543, 27600), (549, 27618), (565, 27654), (598, 27732), (605, 27744), (611, 27753), (640, 27810), (642, 27813), (683, 27951), (690, 27981), (695, 28011), (705, 28062), (719, 28104), (726, 28134), (728, 28140), (729, 28143), (732, 28152), (733, 28161), (735, 28170), (744, 28236), (763, 28290), (799, 28404), (825, 28473), (849, 28515), (852, 28527), (861, 28575), (864, 28584), (875, 28611), (877, 28617), (881, 28638), (898, 28695), (901, 28701), (909, 28716),

Gene: Lilbunny_44 Start: 29422, Stop: 27581, Start Num: 229

Candidate Starts for Lilbunny_44:

(Start: 203 @29452 has 1 MA's), (Start: 229 @29422 has 918 MA's), (341, 29218), (382, 29143), (383, 29140), (394, 29113), (398, 29098), (402, 29086), (418, 29035), (444, 28945), (448, 28933), (500, 28840), (512, 28801), (519, 28783), (528, 28768), (553, 28702), (567, 28669), (569, 28666), (615, 28564), (649, 28504), (678, 28420), (695, 28339), (718, 28255), (719, 28252), (723, 28243), (728, 28216), (735, 28186), (758, 28126), (771, 28087), (853, 27871), (854, 27868), (857, 27847), (898, 27712), (903, 27700), (909, 27691), (911, 27688), (947, 27595),

Gene: Lilith_49 Start: 31846, Stop: 30032, Start Num: 229

Candidate Starts for Lilith_49:

(Start: 229 @31846 has 918 MA's), (255, 31807), (261, 31795), (341, 31642), (349, 31627), (382, 31570), (402, 31513), (404, 31504), (418, 31462), (432, 31411), (448, 31360), (500, 31267), (516, 31219), (519, 31210), (528, 31195), (543, 31156), (553, 31129), (566, 31099), (607, 31006), (614, 30994), (639, 30946), (649, 30931), (695, 30775), (719, 30688), (735, 30622), (745, 30583), (766, 30511), (777, 30472), (786, 30448), (792, 30430), (802, 30397), (811, 30370), (840, 30316), (857, 30256), (881, 30178), (898, 30121), (903, 30109), (909, 30100),

Gene: Lilleskat_43 Start: 31443, Stop: 29650, Start Num: 229

Candidate Starts for Lilleskat_43:

(Start: 229 @31443 has 918 MA's), (Start: 244 @31434 has 1 MA's), (261, 31392), (325, 31272), (327, 31269), (350, 31221), (383, 31161), (395, 31131), (398, 31119), (402, 31107), (448, 30954), (500, 30861), (553, 30723), (566, 30693), (640, 30534), (649, 30522), (666, 30495), (692, 30387), (695, 30366), (732, 30231), (735, 30213), (765, 30132), (777, 30090), (802, 30015), (808, 29994), (837, 29940), (853, 29898), (881, 29796), (898, 29739), (903, 29727), (909, 29718),

Gene: Lillie_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for Lillie_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: LimaBean_42 Start: 29163, Stop: 31037, Start Num: 229

Candidate Starts for LimaBean_42:

(Start: 226 @29160 has 7 MA's), (Start: 229 @29163 has 918 MA's), (266, 29232), (280, 29253), (404, 29499), (418, 29541), (543, 29835), (648, 30069), (683, 30192), (695, 30252), (698, 30258), (707, 30303), (714, 30318), (716, 30333), (726, 30369), (735, 30405), (764, 30498), (793, 30591), (821, 30669), (853, 30741), (854, 30744), (861, 30780), (877, 30822), (880, 30840), (891, 30876), (898, 30900), (909, 30921),

Gene: LittleB_45 Start: 31571, Stop: 29745, Start Num: 229

Candidate Starts for LittleB_45:

(Start: 229 @31571 has 918 MA's), (250, 31550), (261, 31520), (273, 31490), (365, 31328), (376, 31310), (402, 31238), (404, 31229), (441, 31109), (448, 31085), (500, 30992), (517, 30944), (528, 30923), (543, 30884), (598, 30752), (611, 30731), (635, 30686), (640, 30674), (692, 30521), (695, 30500), (728, 30377), (735, 30347), (745, 30308), (765, 30242), (766, 30239), (771, 30224), (777, 30200), (786, 30176), (857, 29969), (898, 29834), (903, 29822), (909, 29813),

Gene: LittleCherry_39 Start: 30596, Stop: 28731, Start Num: 229

Candidate Starts for LittleCherry_39:

(Start: 229 @30596 has 918 MA's), (261, 30545), (296, 30485), (327, 30422), (341, 30392), (343, 30389), (378, 30332), (382, 30320), (394, 30290), (402, 30263), (448, 30110), (500, 30014), (516, 29966), (550, 29882), (553, 29876), (586, 29804), (598, 29771), (607, 29756), (614, 29744), (664, 29645), (695, 29510), (704, 29480), (705, 29462), (714, 29444), (719, 29423), (723, 29414), (735, 29357), (745, 29318), (765, 29276), (771, 29258), (786, 29210), (802, 29159), (823, 29105), (828, 29096), (840, 29078), (857, 29018), (862, 29000), (891, 28907), (898, 28883), (903, 28871), (947, 28766),

Gene: LittleGuy_45 Start: 31466, Stop: 29640, Start Num: 229

Candidate Starts for LittleGuy_45:

(Start: 229 @31466 has 918 MA's), (250, 31445), (261, 31415), (273, 31385), (365, 31223), (376, 31205), (402, 31133), (404, 31124), (441, 31004), (448, 30980), (500, 30887), (517, 30839), (528, 30818), (543, 30779), (598, 30647), (611, 30626), (635, 30581), (640, 30569), (692, 30416), (695, 30395), (728, 30272), (735, 30242), (745, 30203), (765, 30137), (766, 30134), (771, 30119), (777, 30095), (786, 30071), (857, 29864), (898, 29729), (903, 29717), (909, 29708),

Gene: LittleMunchkin_52 Start: 48656, Stop: 46845, Start Num: 231

Candidate Starts for LittleMunchkin_52:

(Start: 231 @48656 has 5 MA's), (258, 48608), (260, 48605), (267, 48584), (273, 48575), (337, 48446), (391, 48338), (395, 48326), (408, 48287), (413, 48272), (439, 48197), (445, 48176), (499, 48083), (547, 47960), (557, 47930), (676, 47639), (696, 47543), (727, 47438), (729, 47432), (732, 47423), (747, 47360), (763, 47333), (771, 47306), (775, 47291), (777, 47282), (796, 47228), (800, 47216), (806, 47195), (849, 47111), (852, 47099), (858, 47063), (879, 47003), (881, 46988), (892, 46943), (911, 46895), (922, 46871),

Gene: LizLemon_57 Start: 52610, Stop: 50781, Start Num: 189

Candidate Starts for LizLemon_57:

(Start: 189 @52610 has 57 MA's), (Start: 243 @52583 has 2 MA's), (254, 52553), (260, 52541), (271, 52514), (273, 52511), (278, 52502), (298, 52484), (343, 52388), (371, 52337), (382, 52313), (391, 52289), (434, 52151), (442, 52127), (445, 52115), (486, 52058), (499, 52022), (502, 52010), (511, 51986), (546, 51902), (556, 51872), (557, 51869), (570, 51839), (633, 51695), (659, 51629), (673, 51590), (676, 51578), (679, 51557), (684, 51539), (696, 51482), (723, 51398), (729, 51368), (732, 51359), (747, 51293), (763, 51266), (765, 51257), (771, 51239), (777, 51215), (796, 51161), (800, 51149), (806, 51128), (840, 51059), (857, 50999), (862, 50981), (875, 50948), (879, 50936), (881, 50921), (882, 50918), (884, 50906), (892, 50882), (893, 50879), (911, 50831), (912, 50828), (922, 50807), (925, 50786),

Gene: Lizalica_39 Start: 28785, Stop: 30650, Start Num: 229

Candidate Starts for Lizalica_39:

(Start: 229 @28785 has 918 MA's), (260, 28833), (394, 29082), (421, 29172), (501, 29379), (504, 29388), (540, 29478), (543, 29487), (548, 29502), (567, 29547), (588, 29592), (611, 29640), (640, 29697), (669, 29778), (689, 29865), (695, 29898), (704, 29928), (719, 29985), (733, 30042), (735, 30051), (825, 30324), (853, 30387), (898, 30546), (902, 30555), (936, 30633),

Gene: LochMonster_46 Start: 31806, Stop: 29980, Start Num: 229

Candidate Starts for LochMonster_46:

(Start: 229 @31806 has 918 MA's), (250, 31785), (261, 31755), (273, 31725), (365, 31563), (376, 31545), (402, 31473), (404, 31464), (441, 31344), (448, 31320), (500, 31227), (517, 31179), (528, 31158), (543, 31119), (560, 31074), (564, 31068), (598, 30987), (611, 30966), (635, 30921), (640, 30909), (692, 30756), (695, 30735), (728, 30612), (735, 30582), (745, 30543), (765, 30477), (766, 30474), (771, 30459), (777, 30435), (786, 30411), (857, 30204), (898, 30069), (903, 30057), (909, 30048),

Gene: Lockley_44 Start: 34369, Stop: 32543, Start Num: 229

Candidate Starts for Lockley_44:

(Start: 229 @34369 has 918 MA's), (347, 34156), (382, 34093), (394, 34063), (402, 34036), (404, 34027), (440, 33910), (448, 33883), (500, 33790), (504, 33775), (539, 33691), (540, 33688), (566, 33622), (580, 33592), (592, 33562), (614, 33517), (635, 33478), (695, 33298), (705, 33250), (719, 33211), (735, 33145), (745, 33106), (758, 33085), (765, 33064), (771, 33046), (792, 32980), (853, 32830), (854, 32827), (861, 32791), (874, 32758), (878, 32746), (898, 32671), (909, 32650),

Gene: Lökk_45 Start: 31915, Stop: 30128, Start Num: 229

Candidate Starts for Lökk_45:

(Start: 229 @31915 has 918 MA's), (343, 31708), (347, 31702), (365, 31672), (382, 31639), (383, 31636), (398, 31594), (402, 31582), (448, 31429), (500, 31336), (516, 31288), (519, 31279), (528, 31264), (553, 31198), (611, 31069), (673, 30949), (678, 30925), (695, 30844), (707, 30793), (718, 30760), (719, 30757), (735, 30691), (745, 30652), (758, 30631), (781, 30556), (786, 30544), (811, 30466), (828, 30430), (840, 30412), (853, 30376), (857, 30352), (881, 30274), (898, 30217), (903, 30205), (909, 30196),

Gene: Lolalove_54 Start: 54016, Stop: 52190, Start Num: 189

Candidate Starts for Lolalove_54:

(Start: 189 @54016 has 57 MA's), (Start: 243 @53989 has 2 MA's), (253, 53962), (260, 53947), (267, 53926), (308, 53839), (368, 53734), (381, 53707), (386, 53692), (409, 53626), (420, 53596), (422, 53587), (425, 53584), (426, 53581), (486, 53461), (493, 53443), (499, 53425), (502, 53413), (512, 53386), (539, 53323), (553, 53284), (556, 53275), (557, 53272), (570, 53242), (586, 53206), (676, 52981), (677, 52978), (684, 52942), (690, 52918), (696, 52885), (727, 52777), (729, 52771), (732, 52762), (765, 52663), (766, 52660), (771, 52645), (796, 52567), (800, 52555), (806, 52534), (808, 52525), (822, 52495), (840, 52465), (852, 52438), (857, 52405), (864, 52381), (879, 52342), (882, 52324), (884, 52312), (892, 52288), (908, 52246), (911, 52240), (922, 52216),

Gene: London_39 Start: 30351, Stop: 32216, Start Num: 229

Candidate Starts for London_39:

(Start: 229 @30351 has 918 MA's), (260, 30399), (364, 30582), (368, 30588), (394, 30648), (400, 30669), (421, 30738), (504, 30954), (540, 31044), (543, 31053), (548, 31068), (567, 31113), (611, 31206), (669, 31344), (695, 31464), (704, 31494), (719, 31551), (733, 31608), (735, 31617), (741, 31641), (764, 31710), (786, 31782), (789, 31791), (825, 31890), (853, 31953), (898, 32112), (902, 32121),

Gene: LoneWolf_45 Start: 31301, Stop: 29508, Start Num: 229

Candidate Starts for LoneWolf_45:

(Start: 229 @31301 has 918 MA's), (Start: 244 @31292 has 1 MA's), (341, 31097), (365, 31055), (383, 31019), (394, 30992), (402, 30965), (418, 30914), (441, 30836), (448, 30812), (500, 30719), (514, 30674), (566, 30551), (666, 30353), (668, 30347), (695, 30224), (723, 30128), (728, 30101), (735, 30071), (745, 30032), (763, 29999), (765, 29990), (802, 29873), (808, 29852), (857, 29732), (881, 29654), (898, 29597), (903, 29585), (909, 29576),

Gene: Longacauda_61 Start: 54397, Stop: 52538, Start Num: 197

Candidate Starts for Longacauda_61:

(Start: 175 @54421 has 5 MA's), (Start: 197 @54397 has 267 MA's), (Start: 231 @54373 has 5 MA's), (Start: 243 @54367 has 2 MA's), (260, 54325), (267, 54304), (316, 54190), (319, 54184), (337, 54154), (371, 54094), (381, 54073), (399, 54019), (403, 54007), (409, 53989), (413, 53977), (445, 53872), (486, 53815), (499, 53779), (502, 53767), (512, 53740), (531, 53695), (553, 53638), (556, 53629), (557, 53626), (664, 53368), (690, 53266), (696, 53233), (702, 53212), (729, 53119), (732, 53110), (747, 53047), (765, 53011), (766, 53008), (771, 52993), (796, 52915), (800, 52903), (806, 52882), (822, 52843), (857, 52753), (862, 52735), (864, 52729), (870, 52714), (879, 52690), (881, 52675), (882, 52672), (884, 52660), (892, 52636), (911, 52588), (922, 52564),

Gene: Looper_47 Start: 29720, Stop: 27930, Start Num: 229

Candidate Starts for Looper_47:

(Start: 229 @29720 has 918 MA's), (327, 29546), (382, 29441), (383, 29438), (394, 29411), (402, 29384), (418, 29333), (448, 29231), (500, 29138), (514, 29093), (516, 29090), (519, 29081), (588, 28919), (598, 28892), (611, 28871), (614, 28865), (669, 28766), (678, 28727), (690, 28676), (695, 28646), (707, 28595), (718, 28562), (726, 28529), (728, 28523), (735, 28493), (758, 28433), (765, 28412), (777, 28370), (787, 28343), (792, 28328), (823, 28241), (853, 28178), (854, 28175), (898, 28019), (903, 28007), (911, 27995),

Gene: Lopsy_59 Start: 53696, Stop: 51837, Start Num: 197

Candidate Starts for Lopsy_59:

(Start: 175 @53720 has 5 MA's), (Start: 197 @53696 has 267 MA's), (Start: 231 @53672 has 5 MA's), (Start: 243 @53666 has 2 MA's), (260, 53624), (267, 53603), (316, 53489), (319, 53483), (337, 53453), (371, 53393), (381, 53372), (399, 53318), (403, 53306), (409, 53288), (412, 53279), (413, 53276), (445, 53171), (486, 53114), (499, 53078), (502, 53066), (511, 53042), (516, 53030), (524, 53012), (531, 52994), (539, 52976), (553, 52937), (556, 52928), (557, 52925), (558, 52922), (690, 52565), (696, 52532), (702, 52511), (729, 52418), (732, 52409), (747, 52346), (765, 52310), (766, 52307), (771, 52292), (796, 52214), (800, 52202), (806, 52181), (822, 52142), (857, 52052), (864, 52028), (870, 52013), (879, 51989), (881, 51974), (882, 51971), (884, 51959), (892, 51935), (911, 51887), (922, 51863),

Gene: Lopton_45 Start: 35870, Stop: 34044, Start Num: 229

Candidate Starts for Lopton_45:

(Start: 229 @35870 has 918 MA's), (347, 35657), (382, 35594), (394, 35564), (400, 35543), (402, 35537), (404, 35528), (440, 35411), (448, 35384), (500, 35291), (504, 35276), (516, 35243), (539,

35192), (540, 35189), (566, 35123), (580, 35093), (592, 35063), (614, 35018), (635, 34979), (695, 34799), (705, 34751), (719, 34712), (735, 34646), (745, 34607), (758, 34586), (765, 34565), (771, 34547), (792, 34481), (853, 34331), (854, 34328), (861, 34292), (870, 34268), (878, 34247), (883, 34220), (898, 34172), (909, 34151),

Gene: Lorenzo_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Lorenzo_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Loser_46 Start: 32256, Stop: 30469, Start Num: 229

Candidate Starts for Loser_46:

(Start: 229 @32256 has 918 MA's), (341, 32052), (343, 32049), (354, 32028), (365, 32013), (382, 31980), (394, 31950), (402, 31923), (408, 31902), (418, 31872), (448, 31770), (500, 31677), (516, 31629), (519, 31620), (528, 31605), (553, 31539), (588, 31458), (611, 31410), (650, 31338), (678, 31266), (695, 31185), (707, 31134), (718, 31101), (719, 31098), (735, 31032), (745, 30993), (758, 30972), (776, 30915), (781, 30897), (811, 30807), (828, 30771), (840, 30753), (853, 30717), (857, 30693), (877, 30636), (881, 30615), (898, 30558), (903, 30546), (909, 30537),

Gene: LostAndPhound_61 Start: 54582, Stop: 52723, Start Num: 197

Candidate Starts for LostAndPhound_61:

(Start: 175 @54606 has 5 MA's), (Start: 197 @54582 has 267 MA's), (Start: 231 @54558 has 5 MA's), (Start: 243 @54552 has 2 MA's), (260, 54510), (267, 54489), (316, 54375), (319, 54369), (337, 54339), (371, 54279), (381, 54258), (399, 54204), (403, 54192), (409, 54174), (413, 54162), (445, 54057), (486, 54000), (499, 53964), (502, 53952), (512, 53925), (524, 53898), (531, 53880), (539, 53862), (553, 53823), (556, 53814), (557, 53811), (664, 53553), (690, 53451), (696, 53418), (702, 53397), (729, 53304), (732, 53295), (747, 53232), (765, 53196), (766, 53193), (771, 53178), (796, 53100), (800, 53088), (806, 53067), (822, 53028), (857, 52938), (862, 52920), (864, 52914), (870, 52899), (879, 52875), (881, 52860), (882, 52857), (884, 52845), (892, 52821), (911, 52773), (922, 52749),

Gene: Louie6_47 Start: 31885, Stop: 30071, Start Num: 229

Candidate Starts for Louie6_47:

(Start: 229 @31885 has 918 MA's), (255, 31846), (261, 31834), (341, 31681), (349, 31666), (382, 31609), (402, 31552), (404, 31543), (418, 31501), (432, 31450), (448, 31399), (487, 31345), (500, 31306), (516, 31258), (528, 31234), (543, 31195), (553, 31168), (566, 31138), (607, 31045), (614, 31033), (639, 30985), (649, 30970), (695, 30814), (707, 30763), (718, 30730), (719, 30727), (735, 30661), (745, 30622), (766, 30550), (777, 30511), (786, 30487), (792, 30469), (802, 30436), (840, 30355), (857, 30295), (883, 30208), (898, 30160), (903, 30148), (909, 30139), (911, 30136),

Gene: Lovelyunicorn_39 Start: 28935, Stop: 27070, Start Num: 270

Candidate Starts for Lovelyunicorn_39:

(Start: 216 @29022 has 3 MA's), (219, 29019), (263, 28950), (Start: 270 @28935 has 147 MA's), (Start: 276 @28926 has 5 MA's), (333, 28821), (336, 28812), (353, 28782), (355, 28779), (408, 28659), (412, 28647), (415, 28641), (449, 28536), (456, 28509), (493, 28368), (498, 28359), (500, 28347), (508, 28320), (509, 28317), (514, 28302), (516, 28296), (518, 28290), (531, 28257), (629, 28068), (728, 27753), (731, 27744), (732, 27741), (735, 27723), (746, 27681), (748, 27675), (756, 27651), (773, 27594), (820, 27435), (834, 27405), (836, 27396), (854, 27336), (858, 27312), (870, 27273), (879, 27240), (880, 27228), (896, 27168),

Gene: Luchador_50 Start: 33745, Stop: 31952, Start Num: 229

Candidate Starts for Luchador_50:

(Start: 229 @33745 has 918 MA's), (Start: 244 @33736 has 1 MA's), (256, 33703), (296, 33634), (341, 33541), (382, 33466), (383, 33463), (394, 33436), (402, 33409), (418, 33358), (441, 33280), (448, 33256), (500, 33163), (507, 33139), (514, 33118), (553, 33025), (566, 32995), (635, 32848), (666, 32797), (678, 32749), (695, 32668), (704, 32638), (714, 32602), (728, 32545), (735, 32515), (765, 32434), (792, 32350), (802, 32317), (811, 32290), (853, 32200), (877, 32119), (881, 32098), (883, 32089), (898, 32041), (903, 32029), (909, 32020), (911, 32017),

Gene: Lucivia_45 Start: 30825, Stop: 29038, Start Num: 229

Candidate Starts for Lucivia_45:

(Start: 229 @30825 has 918 MA's), (341, 30621), (382, 30549), (394, 30519), (402, 30492), (501, 30240), (519, 30189), (553, 30108), (575, 30063), (611, 29979), (640, 29922), (667, 29880), (678, 29835), (695, 29754), (707, 29703), (719, 29667), (735, 29601), (758, 29541), (763, 29529), (795, 29427), (802, 29403), (807, 29385), (840, 29322), (852, 29295), (853, 29286), (857, 29262), (898, 29127), (903, 29115), (909, 29106),

Gene: Lucky3_37 Start: 28582, Stop: 26732, Start Num: 268

Candidate Starts for Lucky3_37:

(179, 28723), (249, 28633), (Start: 268 @28582 has 18 MA's), (321, 28483), (336, 28459), (355, 28426), (405, 28315), (412, 28294), (415, 28288), (429, 28243), (431, 28237), (479, 28081), (498, 28018), (500, 28006), (509, 27976), (530, 27919), (670, 27625), (728, 27415), (731, 27406), (732, 27403), (735, 27385), (746, 27343), (773, 27256), (854, 26998), (858, 26974), (859, 26971), (869, 26941), (896, 26830),

Gene: LuckyMarjie_58 Start: 53758, Stop: 51899, Start Num: 197

Candidate Starts for LuckyMarjie_58:

(Start: 175 @53782 has 5 MA's), (Start: 197 @53758 has 267 MA's), (Start: 231 @53734 has 5 MA's), (Start: 243 @53728 has 2 MA's), (260, 53686), (267, 53665), (316, 53551), (319, 53545), (337, 53515), (371, 53455), (381, 53434), (399, 53380), (403, 53368), (409, 53350), (413, 53338), (445, 53233), (486, 53176), (499, 53140), (502, 53128), (511, 53104), (516, 53092), (524, 53074), (531, 53056), (539, 53038), (553, 52999), (556, 52990), (557, 52987), (558, 52984), (690, 52627), (696, 52594), (702, 52573), (729, 52480), (732, 52471), (747, 52408), (765, 52372), (766, 52369), (771, 52354), (796, 52276), (800, 52264), (806, 52243), (822, 52204), (857, 52114), (862, 52096), (864, 52090), (870, 52075), (879, 52051), (881, 52036), (882, 52033), (884, 52021), (892, 51997), (911, 51949), (922, 51925),

Gene: LuckySocke_138 Start: 73912, Stop: 75948, Start Num: 252

Candidate Starts for LuckySocke_138:

(Start: 252 @73912 has 4 MA's), (281, 73978), (292, 74002), (307, 74053), (310, 74056), (314, 74068), (329, 74101), (367, 74170), (415, 74305), (424, 74341), (480, 74461), (494, 74515), (496, 74518), (510, 74569), (514, 74581), (543, 74650), (550, 74671), (566, 74719), (570, 74728), (697, 75106), (722, 75223), (725, 75241), (745, 75337), (761, 75373), (780, 75442), (783, 75451), (786, 75457), (832, 75595), (837, 75610), (843, 75625), (861, 75709), (862, 75712), (879, 75784), (898, 75856), (916, 75901), (919, 75910), (921, 75916),

Gene: Lucyedi_45 Start: 30972, Stop: 29140, Start Num: 229

Candidate Starts for Lucyedi_45:

(Start: 229 @30972 has 918 MA's), (341, 30768), (343, 30765), (382, 30696), (383, 30693), (394, 30666), (400, 30645), (402, 30639), (404, 30630), (418, 30588), (441, 30510), (448, 30486), (500, 30393), (566, 30225), (666, 30027), (695, 29898), (723, 29802), (732, 29763), (735, 29745), (763, 29673), (765, 29664), (808, 29526), (852, 29439), (853, 29430), (881, 29328), (898, 29271), (903, 29259), (947, 29154),

Gene: Ludgate_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Ludgate_39:

(Start: 216 @29017 has 3 MA's), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (602, 28123), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: LugYA_51 Start: 31853, Stop: 30039, Start Num: 229

Candidate Starts for LugYA_51:

(Start: 229 @31853 has 918 MA's), (255, 31814), (261, 31802), (341, 31649), (349, 31634), (382, 31577), (402, 31520), (404, 31511), (418, 31469), (432, 31418), (448, 31367), (500, 31274), (516, 31226), (519, 31217), (528, 31202), (543, 31163), (553, 31136), (566, 31106), (607, 31013), (639, 30953), (649, 30938), (695, 30782), (719, 30695), (735, 30629), (745, 30590), (766, 30518), (777, 30479), (786, 30455), (792, 30437), (802, 30404), (811, 30377), (840, 30323), (857, 30263), (881, 30185), (898, 30128), (903, 30116), (909, 30107),

Gene: Lulumae_58 Start: 53743, Stop: 51884, Start Num: 197

Candidate Starts for Lulumae_58:

(Start: 175 @53767 has 5 MA's), (Start: 197 @53743 has 267 MA's), (Start: 231 @53719 has 5 MA's), (Start: 243 @53713 has 2 MA's), (260, 53671), (267, 53650), (316, 53536), (319, 53530), (337, 53500), (371, 53440), (381, 53419), (399, 53365), (403, 53353), (409, 53335), (413, 53323), (445, 53218), (486, 53161), (499, 53125), (502, 53113), (512, 53086), (524, 53059), (531, 53041), (539, 53023), (553, 52984), (556, 52975), (557, 52972), (558, 52969), (690, 52612), (696, 52579), (702, 52558), (729, 52465), (732, 52456), (747, 52393), (765, 52357), (766, 52354), (771, 52339), (796, 52261), (800, 52249), (806, 52228), (822, 52189), (857, 52099), (862, 52081), (864, 52075), (870, 52060), (879, 52036), (881, 52021), (882, 52018), (884, 52006), (892, 51982), (911, 51934), (922, 51910),

Gene: Lulwa_58 Start: 53340, Stop: 51481, Start Num: 197

Candidate Starts for Lulwa_58:

(Start: 175 @53364 has 5 MA's), (Start: 197 @53340 has 267 MA's), (Start: 231 @53316 has 5 MA's), (Start: 243 @53310 has 2 MA's), (260, 53268), (267, 53247), (316, 53133), (319, 53127), (337, 53097), (371, 53037), (381, 53016), (399, 52962), (403, 52950), (409, 52932), (413, 52920), (445, 52815), (486, 52758), (499, 52722), (502, 52710), (512, 52683), (524, 52656), (531, 52638), (539, 52620), (553, 52581), (556, 52572), (557, 52569), (664, 52311), (690, 52209), (696, 52176), (702, 52155), (729, 52062), (732, 52053), (747, 51990), (765, 51954), (766, 51951), (771, 51936), (796, 51858), (800, 51846), (806, 51825), (822, 51786), (857, 51696), (862, 51678), (864, 51672), (870, 51657), (879, 51633), (881, 51618), (882, 51615), (884, 51603), (892, 51579), (911, 51531), (922, 51507),

Gene: Lumine_61 Start: 54227, Stop: 52368, Start Num: 197

Candidate Starts for Lumine_61:

(Start: 175 @54251 has 5 MA's), (Start: 197 @54227 has 267 MA's), (Start: 231 @54203 has 5 MA's), (Start: 243 @54197 has 2 MA's), (260, 54155), (267, 54134), (316, 54020), (319, 54014), (337, 53984), (371, 53924), (381, 53903), (399, 53849), (403, 53837), (409, 53819), (413, 53807), (445, 53702), (486, 53645), (499, 53609), (502, 53597), (511, 53573), (516, 53561), (524, 53543), (531, 53525), (539, 53507), (553, 53468), (556, 53459), (557, 53456), (558, 53453), (690, 53096), (696, 53063), (702, 53042), (729, 52949), (732, 52940), (747, 52877), (765, 52841), (766, 52838), (771, 52823), (796, 52745), (800, 52733), (806, 52712), (822, 52673), (857, 52583), (862, 52565), (864,

52559), (870, 52544), (879, 52520), (881, 52505), (882, 52502), (884, 52490), (892, 52466), (911, 52418), (922, 52394),

Gene: Luna18_40 Start: 28364, Stop: 26472, Start Num: 270

Candidate Starts for Luna18_40:

(213, 28454), (Start: 270 @28364 has 147 MA's), (Start: 276 @28355 has 5 MA's), (309, 28298), (321, 28268), (344, 28229), (353, 28214), (357, 28208), (368, 28190), (384, 28157), (412, 28079), (415, 28073), (431, 28022), (443, 27983), (474, 27872), (498, 27788), (500, 27776), (509, 27746), (514, 27731), (516, 27725), (518, 27719), (521, 27713), (524, 27707), (672, 27392), (716, 27197), (735, 27125), (746, 27083), (757, 27053), (762, 27032), (773, 26996), (791, 26924), (834, 26807), (836, 26798), (854, 26738), (858, 26714), (861, 26702), (873, 26666), (896, 26570),

Gene: Lunsford_46 Start: 31564, Stop: 29738, Start Num: 229

Candidate Starts for Lunsford_46:

(Start: 229 @31564 has 918 MA's), (250, 31543), (261, 31513), (273, 31483), (365, 31321), (376, 31303), (402, 31231), (404, 31222), (441, 31102), (448, 31078), (500, 30985), (517, 30937), (528, 30916), (543, 30877), (598, 30745), (611, 30724), (635, 30679), (640, 30667), (692, 30514), (695, 30493), (728, 30370), (735, 30340), (745, 30301), (765, 30235), (766, 30232), (771, 30217), (777, 30193), (786, 30169), (857, 29962), (898, 29827), (903, 29815), (909, 29806),

Gene: Lynlen_43 Start: 29644, Stop: 31518, Start Num: 229

Candidate Starts for Lynlen_43:

(Start: 226 @29641 has 7 MA's), (Start: 229 @29644 has 918 MA's), (266, 29713), (280, 29734), (404, 29980), (418, 30022), (510, 30235), (543, 30316), (598, 30451), (648, 30550), (683, 30673), (695, 30733), (698, 30739), (707, 30784), (714, 30799), (716, 30814), (726, 30850), (735, 30886), (764, 30979), (793, 31072), (821, 31150), (853, 31222), (861, 31261), (877, 31303), (880, 31321), (898, 31381), (909, 31402),

Gene: MA5_45 Start: 30880, Stop: 29042, Start Num: 229

Candidate Starts for MA5_45:

(173, 30952), (Start: 229 @30880 has 918 MA's), (261, 30829), (341, 30676), (365, 30637), (382, 30604), (402, 30547), (404, 30538), (408, 30526), (441, 30418), (448, 30394), (500, 30298), (517, 30250), (543, 30190), (598, 30058), (611, 30037), (668, 29923), (678, 29881), (695, 29800), (719, 29713), (728, 29677), (735, 29647), (766, 29536), (777, 29497), (786, 29473), (792, 29455), (793, 29452), (840, 29326), (857, 29266), (898, 29131), (903, 29119), (909, 29110),

Gene: MAnor_46 Start: 34598, Stop: 32220, Start Num: 41

Candidate Starts for MAnor_46:

(Start: 41 @34598 has 13 MA's), (58, 34538), (83, 34457), (121, 34337), (156, 34292), (205, 34214), (210, 34208), (211, 34205), (214, 34202), (Start: 243 @34175 has 2 MA's), (260, 34136), (262, 34127), (Start: 276 @34097 has 5 MA's), (311, 34040), (333, 34001), (342, 33980), (366, 33938), (371, 33929), (379, 33914), (382, 33905), (386, 33893), (398, 33860), (399, 33857), (405, 33839), (412, 33818), (469, 33635), (489, 33560), (500, 33518), (547, 33431), (609, 33353), (612, 33347), (634, 33302), (635, 33299), (642, 33284), (654, 33263), (678, 33179), (685, 33149), (699, 33089), (701, 33080), (704, 33065), (707, 33050), (712, 33038), (735, 32945), (744, 32909), (746, 32903), (748, 32897), (750, 32891), (766, 32834), (773, 32810), (801, 32705), (802, 32702), (820, 32651), (838, 32609), (844, 32591), (854, 32552), (863, 32510), (871, 32486), (888, 32408), (896, 32384), (902, 32360), (910, 32339), (929, 32285), (944, 32252), (949, 32240),

Gene: MCubed_38 Start: 28748, Stop: 26883, Start Num: 270

Candidate Starts for MCubed_38:

(Start: 270 @28748 has 147 MA's), (321, 28649), (357, 28589), (384, 28538), (412, 28460), (415, 28454), (429, 28409), (430, 28406), (431, 28403), (443, 28364), (463, 28304), (493, 28181), (498,

28172), (500, 28160), (503, 28148), (509, 28130), (516, 28109), (521, 28097), (610, 27926), (676, 27758), (723, 27593), (731, 27557), (735, 27536), (746, 27494), (773, 27407), (783, 27362), (816, 27263), (834, 27218), (854, 27149), (858, 27125), (869, 27092), (896, 26981),

Gene: MK4_45 Start: 30963, Stop: 29125, Start Num: 229

Candidate Starts for MK4_45:

(173, 31035), (Start: 229 @30963 has 918 MA's), (261, 30912), (341, 30759), (365, 30720), (382, 30687), (402, 30630), (404, 30621), (408, 30609), (441, 30501), (448, 30477), (500, 30381), (517, 30333), (543, 30273), (598, 30141), (611, 30120), (649, 30051), (668, 30006), (678, 29964), (695, 29883), (719, 29796), (728, 29760), (735, 29730), (766, 29619), (777, 29580), (786, 29556), (792, 29538), (837, 29415), (840, 29409), (857, 29349), (897, 29217), (898, 29214), (903, 29202), (909, 29193),

Gene: MPlant7149_43 Start: 33801, Stop: 32014, Start Num: 229

Candidate Starts for MPlant7149_43:

(Start: 229 @33801 has 918 MA's), (347, 33588), (354, 33573), (382, 33525), (394, 33495), (400, 33474), (402, 33468), (404, 33459), (440, 33342), (448, 33315), (500, 33222), (504, 33207), (539, 33123), (540, 33120), (566, 33054), (580, 33024), (592, 32994), (614, 32949), (635, 32910), (695, 32730), (705, 32682), (719, 32643), (735, 32577), (763, 32505), (765, 32496), (792, 32412), (823, 32325), (870, 32199), (875, 32187), (891, 32127), (898, 32103), (901, 32097),

Gene: MRabcd_60 Start: 54351, Stop: 52492, Start Num: 197

Candidate Starts for MRabcd_60:

(Start: 175 @54375 has 5 MA's), (Start: 197 @54351 has 267 MA's), (Start: 231 @54327 has 5 MA's), (Start: 243 @54321 has 2 MA's), (260, 54279), (267, 54258), (316, 54144), (319, 54138), (337, 54108), (371, 54048), (381, 54027), (399, 53973), (403, 53961), (409, 53943), (413, 53931), (445, 53826), (486, 53769), (499, 53733), (502, 53721), (512, 53694), (531, 53649), (553, 53592), (556, 53583), (557, 53580), (690, 53220), (696, 53187), (702, 53166), (729, 53073), (732, 53064), (747, 53001), (765, 52965), (766, 52962), (771, 52947), (796, 52869), (800, 52857), (806, 52836), (822, 52797), (857, 52707), (862, 52689), (864, 52683), (870, 52668), (879, 52644), (881, 52629), (882, 52626), (884, 52614), (892, 52590), (911, 52542), (922, 52518),

Gene: MScarn_47 Start: 32630, Stop: 30240, Start Num: 32

Candidate Starts for MScarn_47:

(Start: 32 @32630 has 16 MA's), (63, 32549), (66, 32534), (83, 32480), (87, 32468), (94, 32447), (106, 32414), (116, 32387), (121, 32363), (147, 32336), (211, 32231), (251, 32183), (311, 32066), (352, 31985), (368, 31958), (379, 31937), (398, 31883), (399, 31880), (405, 31862), (412, 31841), (432, 31781), (489, 31583), (500, 31541), (547, 31454), (570, 31430), (586, 31424), (609, 31370), (612, 31364), (633, 31322), (634, 31319), (635, 31316), (685, 31169), (701, 31100), (702, 31094), (712, 31058), (735, 30965), (744, 30929), (746, 30923), (748, 30917), (750, 30911), (766, 30854), (773, 30830), (783, 30785), (896, 30404), (910, 30359), (914, 30350), (935, 30290),

Gene: MaCh_45 Start: 30763, Stop: 28976, Start Num: 229

Candidate Starts for MaCh_45:

(Start: 229 @30763 has 918 MA's), (341, 30559), (382, 30487), (394, 30457), (402, 30430), (501, 30178), (519, 30127), (553, 30046), (575, 30001), (576, 29998), (611, 29917), (640, 29860), (667, 29818), (678, 29773), (695, 29692), (707, 29641), (719, 29605), (735, 29539), (758, 29479), (763, 29467), (795, 29365), (802, 29341), (807, 29323), (840, 29260), (852, 29233), (853, 29224), (857, 29200), (898, 29065), (903, 29053), (909, 29044),

Gene: MaGuCo_40 Start: 30008, Stop: 31852, Start Num: 229

Candidate Starts for MaGuCo_40:

(Start: 229 @30008 has 918 MA's), (394, 30305), (400, 30326), (501, 30581), (541, 30683), (548, 30704), (588, 30794), (611, 30842), (643, 30905), (695, 31100), (698, 31106), (719, 31187), (735, 31253), (771, 31370), (799, 31457), (851, 31577), (853, 31589), (898, 31748), (920, 31793),

Gene: MaVan_40 Start: 32050, Stop: 29693, Start Num: 39

Candidate Starts for MaVan_40:

(37, 32059), (Start: 39 @32050 has 23 MA's), (46, 32035), (53, 31999), (101, 31864), (121, 31801), (154, 31759), (160, 31747), (Start: 234 @31645 has 1 MA's), (Start: 243 @31642 has 2 MA's), (274, 31567), (298, 31528), (311, 31507), (340, 31456), (363, 31414), (379, 31384), (398, 31330), (405, 31309), (412, 31288), (433, 31225), (472, 31090), (476, 31075), (489, 31030), (513, 30946), (544, 30910), (612, 30817), (633, 30775), (634, 30772), (635, 30769), (650, 30745), (655, 30733), (659, 30721), (693, 30580), (701, 30553), (735, 30418), (744, 30382), (746, 30376), (748, 30370), (750, 30364), (757, 30340), (766, 30307), (773, 30283), (783, 30238), (785, 30232), (803, 30172), (844, 30064), (859, 29998), (860, 29995), (863, 29983), (871, 29959), (888, 29881), (896, 29857), (920, 29788),

Gene: Mabel_45 Start: 30748, Stop: 28961, Start Num: 229

Candidate Starts for Mabel_45:

(Start: 229 @30748 has 918 MA's), (341, 30544), (382, 30472), (394, 30442), (402, 30415), (501, 30163), (519, 30112), (553, 30031), (575, 29986), (611, 29902), (640, 29845), (667, 29803), (678, 29758), (695, 29677), (707, 29626), (719, 29590), (735, 29524), (758, 29464), (763, 29452), (795, 29350), (802, 29326), (807, 29308), (840, 29245), (852, 29218), (853, 29209), (857, 29185), (898, 29050), (903, 29038), (909, 29029),

Gene: Mabodamaca_48 Start: 32455, Stop: 34320, Start Num: 228

Candidate Starts for Mabodamaca_48:

(Start: 175 @32392 has 5 MA's), (181, 32401), (Start: 228 @32455 has 10 MA's), (421, 32842), (514, 33088), (543, 33157), (611, 33310), (678, 33487), (695, 33568), (712, 33631), (726, 33685), (736, 33724), (783, 33880), (793, 33907), (823, 33991), (879, 34144), (898, 34216), (914, 34246),

Gene: Maco6_42 Start: 33485, Stop: 31179, Start Num: 70

Candidate Starts for Maco6_42:

(Start: 38 @33590 has 1 MA's), (44, 33581), (Start: 55 @33536 has 1 MA's), (Start: 59 @33524 has 1 MA's), (Start: 70 @33485 has 1 MA's), (87, 33428), (121, 33326), (136, 33296), (156, 33266), (264, 33098), (333, 32978), (384, 32876), (412, 32795), (432, 32735), (434, 32729), (455, 32669), (489, 32537), (501, 32489), (544, 32417), (547, 32408), (565, 32396), (612, 32327), (707, 32021), (708, 32018), (721, 31979), (726, 31952), (728, 31946), (744, 31880), (746, 31874), (748, 31868), (750, 31862), (757, 31838), (766, 31805), (771, 31790), (773, 31781), (820, 31622), (834, 31592), (887, 31382), (896, 31355), (920, 31286),

Gene: MadMarie_48 Start: 31855, Stop: 30041, Start Num: 229

Candidate Starts for MadMarie_48:

(Start: 229 @31855 has 918 MA's), (255, 31816), (261, 31804), (341, 31651), (349, 31636), (382, 31579), (402, 31522), (404, 31513), (418, 31471), (432, 31420), (448, 31369), (500, 31276), (516, 31228), (519, 31219), (528, 31204), (543, 31165), (553, 31138), (566, 31108), (607, 31015), (614, 31003), (639, 30955), (649, 30940), (695, 30784), (719, 30697), (732, 30649), (735, 30631), (745, 30592), (766, 30520), (777, 30481), (786, 30457), (792, 30439), (802, 30406), (811, 30379), (840, 30325), (857, 30265), (881, 30187), (898, 30130), (903, 30118), (909, 30109),

Gene: MaeLinda_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for MaeLinda_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412,

28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (497, 28361), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (751, 27665), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Mag7_61 Start: 54187, Stop: 52328, Start Num: 197

Candidate Starts for Mag7_61:

(Start: 175 @54211 has 5 MA's), (Start: 197 @54187 has 267 MA's), (Start: 231 @54163 has 5 MA's), (Start: 243 @54157 has 2 MA's), (260, 54115), (267, 54094), (316, 53980), (319, 53974), (337, 53944), (371, 53884), (381, 53863), (399, 53809), (403, 53797), (409, 53779), (413, 53767), (445, 53662), (486, 53605), (499, 53569), (502, 53557), (511, 53533), (516, 53521), (524, 53503), (531, 53485), (539, 53467), (553, 53428), (556, 53419), (557, 53416), (558, 53413), (690, 53056), (696, 53023), (702, 53002), (729, 52909), (732, 52900), (747, 52837), (765, 52801), (766, 52798), (771, 52783), (796, 52705), (800, 52693), (806, 52672), (822, 52633), (857, 52543), (862, 52525), (864, 52519), (870, 52504), (879, 52480), (881, 52465), (882, 52462), (884, 52450), (892, 52426), (911, 52378), (922, 52354),

Gene: Magic8_61 Start: 54339, Stop: 52480, Start Num: 197

Candidate Starts for Magic8_61:

(Start: 175 @54363 has 5 MA's), (Start: 197 @54339 has 267 MA's), (Start: 231 @54315 has 5 MA's), (Start: 243 @54309 has 2 MA's), (260, 54267), (267, 54246), (316, 54132), (319, 54126), (337, 54096), (371, 54036), (381, 54015), (399, 53961), (403, 53949), (409, 53931), (413, 53919), (445, 53814), (486, 53757), (499, 53721), (502, 53709), (512, 53682), (524, 53655), (531, 53637), (539, 53619), (553, 53580), (556, 53571), (557, 53568), (558, 53565), (690, 53208), (696, 53175), (702, 53154), (729, 53061), (732, 53052), (747, 52989), (765, 52953), (766, 52950), (771, 52935), (796, 52857), (800, 52845), (806, 52824), (822, 52785), (857, 52695), (862, 52677), (864, 52671), (870, 52656), (879, 52632), (881, 52617), (882, 52614), (884, 52602), (892, 52578), (911, 52530), (922, 52506),

Gene: Magnar_44 Start: 35145, Stop: 33328, Start Num: 229

Candidate Starts for Magnar_44:

(Start: 229 @35145 has 918 MA's), (347, 34932), (354, 34917), (394, 34839), (400, 34818), (402, 34812), (404, 34803), (440, 34686), (448, 34659), (500, 34566), (504, 34551), (516, 34518), (539, 34467), (540, 34464), (566, 34398), (580, 34368), (592, 34338), (614, 34293), (635, 34254), (695, 34074), (704, 34044), (705, 34026), (719, 33987), (735, 33921), (765, 33840), (766, 33837), (792, 33756), (853, 33606), (854, 33603), (861, 33567), (870, 33543), (874, 33534), (878, 33522), (898, 33447), (909, 33426),

Gene: Magnito_42 Start: 33719, Stop: 31893, Start Num: 229

Candidate Starts for Magnito_42:

(Start: 229 @33719 has 918 MA's), (347, 33506), (354, 33491), (394, 33413), (397, 33401), (400, 33392), (402, 33386), (404, 33377), (440, 33260), (448, 33233), (500, 33140), (504, 33125), (516, 33092), (539, 33041), (540, 33038), (560, 32984), (566, 32972), (580, 32942), (592, 32912), (614, 32867), (635, 32828), (695, 32648), (705, 32600), (707, 32597), (719, 32561), (735, 32495), (745, 32456), (758, 32435), (765, 32414), (771, 32396), (792, 32330), (853, 32180), (854, 32177), (861, 32141), (870, 32117), (874, 32108), (878, 32096), (890, 32048), (898, 32021), (909, 32000),

Gene: Magpie_52 Start: 53908, Stop: 52085, Start Num: 189

Candidate Starts for Magpie_52:

(Start: 175 @53926 has 5 MA's), (Start: 189 @53908 has 57 MA's), (Start: 243 @53884 has 2 MA's), (253, 53857), (260, 53842), (267, 53821), (308, 53734), (368, 53629), (381, 53602), (386, 53587), (409, 53521), (420, 53491), (422, 53482), (425, 53479), (426, 53476), (434, 53449), (445, 53413),

(486, 53356), (493, 53338), (499, 53320), (502, 53308), (512, 53281), (539, 53218), (553, 53179), (556, 53170), (557, 53167), (570, 53137), (586, 53101), (664, 52915), (676, 52876), (677, 52873), (684, 52837), (690, 52813), (696, 52780), (727, 52672), (729, 52666), (732, 52657), (765, 52558), (766, 52555), (771, 52540), (796, 52462), (800, 52450), (806, 52429), (808, 52420), (822, 52390), (840, 52360), (852, 52333), (857, 52300), (864, 52276), (879, 52237), (882, 52219), (884, 52207), (892, 52183), (908, 52141), (911, 52135), (922, 52111),

Gene: Mahdia_44 Start: 34961, Stop: 32724, Start Num: 4

Candidate Starts for Mahdia_44:

(1, 35099), (Start: 4 @34961 has 5 MA's), (28, 34808), (29, 34805), (43, 34754), (86, 34676), (125, 34622), (170, 34610), (Start: 190 @34580 has 1 MA's), (Start: 200 @34568 has 1 MA's), (207, 34556), (Start: 238 @34526 has 44 MA's), (273, 34448), (289, 34424), (298, 34421), (303, 34400), (399, 34199), (412, 34163), (418, 34148), (437, 34091), (443, 34070), (445, 34064), (448, 34055), (485, 34013), (499, 33974), (521, 33911), (537, 33878), (544, 33860), (547, 33851), (557, 33821), (570, 33791), (627, 33671), (676, 33527), (682, 33497), (684, 33488), (690, 33464), (696, 33431), (723, 33350), (727, 33326), (729, 33320), (747, 33248), (763, 33221), (765, 33212), (766, 33209), (771, 33194), (777, 33170), (796, 33116), (800, 33104), (848, 32990), (852, 32975), (881, 32864), (882, 32861), (888, 32837), (892, 32825), (911, 32774), (922, 32750),

Gene: Mainiac_48 Start: 31846, Stop: 30032, Start Num: 229

Candidate Starts for Mainiac_48:

(Start: 229 @31846 has 918 MA's), (255, 31807), (261, 31795), (341, 31642), (349, 31627), (382, 31570), (402, 31513), (404, 31504), (418, 31462), (432, 31411), (448, 31360), (500, 31267), (516, 31219), (519, 31210), (528, 31195), (543, 31156), (553, 31129), (566, 31099), (607, 31006), (639, 30946), (649, 30931), (695, 30775), (719, 30688), (735, 30622), (745, 30583), (766, 30511), (777, 30472), (786, 30448), (792, 30430), (802, 30397), (811, 30370), (840, 30316), (857, 30256), (881, 30178), (898, 30121), (903, 30109), (909, 30100),

Gene: MajorMajor_44 Start: 30374, Stop: 28545, Start Num: 228

Candidate Starts for MajorMajor_44:

(Start: 228 @30374 has 10 MA's), (341, 30170), (343, 30167), (347, 30161), (354, 30146), (365, 30131), (381, 30101), (382, 30098), (394, 30068), (402, 30041), (408, 30020), (418, 29990), (448, 29888), (500, 29795), (516, 29747), (519, 29738), (528, 29723), (553, 29657), (588, 29576), (611, 29528), (635, 29483), (695, 29303), (705, 29255), (707, 29252), (719, 29216), (735, 29150), (745, 29111), (758, 29090), (781, 29015), (788, 28997), (802, 28952), (811, 28925), (828, 28889), (840, 28871), (853, 28835), (857, 28811), (881, 28733), (898, 28676), (903, 28664), (909, 28655), (925, 28607), (941, 28577), (948, 28559), (950, 28556),

Gene: Makemake_44 Start: 35340, Stop: 33514, Start Num: 229

Candidate Starts for Makemake_44:

(Start: 229 @35340 has 918 MA's), (347, 35127), (354, 35112), (382, 35064), (394, 35034), (400, 35013), (402, 35007), (404, 34998), (440, 34881), (448, 34854), (500, 34761), (504, 34746), (516, 34713), (539, 34662), (540, 34659), (566, 34593), (580, 34563), (592, 34533), (614, 34488), (635, 34449), (695, 34269), (704, 34239), (705, 34221), (707, 34218), (719, 34182), (735, 34116), (765, 34035), (766, 34032), (792, 33951), (853, 33801), (854, 33798), (861, 33762), (870, 33738), (874, 33729), (878, 33717), (898, 33642), (909, 33621),

Gene: MakoManhole_51 Start: 47082, Stop: 45265, Start Num: 236

Candidate Starts for MakoManhole_51:

(Start: 236 @47082 has 14 MA's), (Start: 243 @47073 has 2 MA's), (253, 47046), (258, 47034), (267, 47010), (273, 47001), (316, 46905), (343, 46863), (362, 46827), (395, 46752), (420, 46677), (445, 46599), (486, 46542), (499, 46506), (502, 46494), (511, 46470), (549, 46377), (557, 46353), (565, 46335), (676, 46062), (684, 46023), (691, 45993), (696, 45966), (727, 45858), (729, 45852), (732,

45843), (763, 45753), (765, 45744), (766, 45741), (771, 45726), (796, 45648), (800, 45636), (801, 45630), (806, 45615), (827, 45567), (852, 45519), (857, 45486), (864, 45462), (879, 45423), (880, 45411), (881, 45408), (892, 45363), (911, 45315), (922, 45291), (925, 45270),

Gene: Malec_45 Start: 32164, Stop: 30371, Start Num: 229

Candidate Starts for Malec_45:

(Start: 229 @32164 has 918 MA's), (341, 31960), (343, 31957), (347, 31951), (365, 31921), (382, 31888), (383, 31885), (394, 31858), (402, 31831), (418, 31780), (448, 31678), (500, 31585), (516, 31537), (519, 31528), (528, 31513), (553, 31447), (588, 31366), (611, 31318), (614, 31312), (678, 31174), (695, 31093), (707, 31036), (718, 31003), (728, 30964), (735, 30934), (745, 30895), (758, 30874), (765, 30853), (837, 30661), (840, 30655), (853, 30619), (857, 30595), (877, 30538), (881, 30517), (898, 30460), (903, 30448), (909, 30439),

Gene: Malinsilva_50 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for Malinsilva_50:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614, 30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: Maminiaina_44 Start: 31324, Stop: 29531, Start Num: 229

Candidate Starts for Maminiaina_44:

(Start: 229 @31324 has 918 MA's), (Start: 244 @31315 has 1 MA's), (296, 31213), (325, 31153), (327, 31150), (341, 31120), (347, 31111), (365, 31078), (382, 31045), (383, 31042), (394, 31015), (398, 31000), (402, 30988), (448, 30835), (500, 30742), (553, 30604), (566, 30574), (649, 30403), (666, 30376), (668, 30370), (695, 30247), (732, 30112), (735, 30094), (765, 30013), (802, 29896), (853, 29779), (857, 29755), (881, 29677), (898, 29620), (903, 29608), (909, 29599),

Gene: ManRay_38 Start: 28632, Stop: 26767, Start Num: 270

Candidate Starts for ManRay_38:

(Start: 216 @28719 has 3 MA's), (219, 28716), (Start: 270 @28632 has 147 MA's), (Start: 276 @28623 has 5 MA's), (333, 28518), (336, 28509), (353, 28479), (355, 28476), (408, 28356), (412, 28344), (415, 28338), (449, 28233), (456, 28206), (493, 28065), (497, 28059), (498, 28056), (500, 28044), (508, 28017), (509, 28014), (514, 27999), (516, 27993), (518, 27987), (531, 27954), (602, 27825), (629, 27765), (728, 27450), (731, 27441), (732, 27438), (735, 27420), (746, 27378), (748, 27372), (751, 27363), (756, 27348), (773, 27291), (820, 27132), (834, 27102), (836, 27093), (854, 27033), (858, 27009), (870, 26970), (879, 26937), (880, 26925), (896, 26865),

Gene: Mana_59 Start: 54023, Stop: 52164, Start Num: 197

Candidate Starts for Mana_59:

(Start: 175 @54047 has 5 MA's), (Start: 197 @54023 has 267 MA's), (Start: 231 @53999 has 5 MA's), (Start: 243 @53993 has 2 MA's), (260, 53951), (267, 53930), (316, 53816), (319, 53810), (337, 53780), (371, 53720), (381, 53699), (399, 53645), (403, 53633), (409, 53615), (413, 53603), (445, 53498), (486, 53441), (499, 53405), (502, 53393), (512, 53366), (524, 53339), (531, 53321), (539, 53303), (553, 53264), (556, 53255), (557, 53252), (690, 52892), (696, 52859), (702, 52838), (729, 52745), (732, 52736), (747, 52673), (765, 52637), (766, 52634), (771, 52619), (796, 52541), (800, 52529), (806, 52508), (822, 52469), (857, 52379), (862, 52361), (864, 52355), (870, 52340), (879, 52316), (881, 52301), (882, 52298), (884, 52286), (892, 52262), (911, 52214), (922, 52190),

Gene: Manad_60 Start: 54307, Stop: 52448, Start Num: 197

Candidate Starts for Manad_60:

(Start: 175 @54331 has 5 MA's), (Start: 197 @54307 has 267 MA's), (Start: 231 @54283 has 5 MA's), (Start: 243 @54277 has 2 MA's), (260, 54235), (267, 54214), (316, 54100), (319, 54094), (337, 54064), (371, 54004), (381, 53983), (399, 53929), (403, 53917), (409, 53899), (413, 53887), (445, 53782), (486, 53725), (499, 53689), (502, 53677), (511, 53653), (516, 53641), (524, 53623), (531, 53605), (539, 53587), (553, 53548), (556, 53539), (557, 53536), (558, 53533), (690, 53176), (696, 53143), (702, 53122), (729, 53029), (732, 53020), (747, 52957), (765, 52921), (766, 52918), (771, 52903), (796, 52825), (800, 52813), (806, 52792), (822, 52753), (857, 52663), (862, 52645), (864, 52639), (870, 52624), (879, 52600), (881, 52585), (882, 52582), (884, 52570), (892, 52546), (911, 52498), (922, 52474),

Gene: Manatee_45 Start: 34036, Stop: 32210, Start Num: 229

Candidate Starts for Manatee_45:

(Start: 229 @34036 has 918 MA's), (347, 33823), (382, 33760), (394, 33730), (400, 33709), (402, 33703), (404, 33694), (440, 33577), (448, 33550), (500, 33457), (504, 33442), (539, 33358), (540, 33355), (566, 33289), (580, 33259), (592, 33229), (614, 33184), (635, 33145), (695, 32965), (705, 32917), (707, 32914), (719, 32878), (735, 32812), (745, 32773), (758, 32752), (765, 32731), (771, 32713), (792, 32647), (853, 32497), (854, 32494), (861, 32458), (870, 32434), (874, 32425), (878, 32413), (898, 32338), (909, 32317),

Gene: Mandalorian_37 Start: 28518, Stop: 26617, Start Num: 270

Candidate Starts for Mandalorian_37:

(Start: 270 @28518 has 147 MA's), (336, 28395), (344, 28380), (353, 28365), (373, 28332), (379, 28323), (384, 28308), (398, 28272), (403, 28257), (412, 28230), (415, 28224), (431, 28173), (443, 28134), (463, 28074), (493, 27948), (498, 27939), (500, 27927), (509, 27897), (516, 27876), (530, 27840), (610, 27693), (629, 27648), (672, 27537), (716, 27342), (728, 27300), (735, 27270), (746, 27228), (757, 27198), (762, 27177), (773, 27141), (854, 26883), (858, 26859), (869, 26826), (870, 26820), (896, 26715),

Gene: Manu_48 Start: 31753, Stop: 29939, Start Num: 229

Candidate Starts for Manu_48:

(Start: 229 @31753 has 918 MA's), (255, 31714), (261, 31702), (341, 31549), (349, 31534), (382, 31477), (402, 31420), (404, 31411), (418, 31369), (432, 31318), (448, 31267), (500, 31174), (516, 31126), (528, 31102), (543, 31063), (553, 31036), (566, 31006), (607, 30913), (614, 30901), (639, 30853), (649, 30838), (695, 30682), (707, 30631), (718, 30598), (719, 30595), (735, 30529), (745, 30490), (766, 30418), (777, 30379), (786, 30355), (792, 30337), (802, 30304), (840, 30223), (857, 30163), (862, 30145), (881, 30085), (883, 30076), (898, 30028), (903, 30016), (909, 30007),

Gene: MarQuardt_48 Start: 31854, Stop: 30040, Start Num: 229

Candidate Starts for MarQuardt_48:

(Start: 229 @31854 has 918 MA's), (255, 31815), (261, 31803), (341, 31650), (349, 31635), (382, 31578), (402, 31521), (404, 31512), (418, 31470), (432, 31419), (448, 31368), (500, 31275), (516, 31227), (519, 31218), (528, 31203), (543, 31164), (553, 31137), (566, 31107), (607, 31014), (639, 30954), (649, 30939), (695, 30783), (719, 30696), (735, 30630), (745, 30591), (766, 30519), (777, 30480), (786, 30456), (792, 30438), (802, 30405), (811, 30378), (840, 30324), (857, 30264), (881, 30186), (898, 30129), (903, 30117), (909, 30108),

Gene: Marcell_43 Start: 34431, Stop: 32605, Start Num: 229

Candidate Starts for Marcell_43:

(Start: 229 @34431 has 918 MA's), (347, 34218), (354, 34203), (382, 34155), (394, 34125), (400, 34104), (402, 34098), (404, 34089), (440, 33972), (448, 33945), (500, 33852), (504, 33837), (539, 33753), (540, 33750), (566, 33684), (580, 33654), (592, 33624), (614, 33579), (635, 33540), (695, 33360), (705, 33312), (707, 33309), (719, 33273), (735, 33207), (745, 33168), (758, 33147), (765, 33126), (771, 33108), (792, 33042), (853, 32892), (854, 32889), (861, 32853), (870, 32829), (874,

32820), (878, 32808), (898, 32733), (909, 32712),

Gene: Marchesa_45 Start: 31433, Stop: 29595, Start Num: 229

Candidate Starts for Marchesa_45:

(173, 31505), (Start: 229 @31433 has 918 MA's), (261, 31382), (341, 31229), (378, 31169), (382, 31157), (402, 31100), (404, 31091), (408, 31079), (441, 30971), (448, 30947), (500, 30851), (517, 30803), (543, 30743), (569, 30680), (598, 30611), (611, 30590), (649, 30521), (652, 30515), (668, 30476), (695, 30353), (719, 30266), (728, 30230), (735, 30200), (742, 30170), (766, 30089), (777, 30050), (786, 30026), (792, 30008), (840, 29879), (857, 29819), (898, 29684), (903, 29672), (909, 29663),

Gene: Marchy_39 Start: 31191, Stop: 29365, Start Num: 229

Candidate Starts for Marchy_39:

(Start: 229 @31191 has 918 MA's), (347, 30978), (354, 30963), (394, 30885), (400, 30864), (402, 30858), (404, 30849), (440, 30732), (448, 30705), (500, 30612), (504, 30597), (539, 30513), (540, 30510), (566, 30444), (580, 30414), (592, 30384), (614, 30339), (635, 30300), (695, 30120), (704, 30090), (705, 30072), (707, 30069), (719, 30033), (735, 29967), (765, 29886), (766, 29883), (792, 29802), (853, 29652), (854, 29649), (861, 29613), (870, 29589), (874, 29580), (878, 29568), (883, 29541), (898, 29493), (909, 29472),

Gene: Mareelih_171 Start: 99155, Stop: 97374, Start Num: 242

Candidate Starts for Mareelih_171:

(Start: 242 @99155 has 4 MA's), (261, 99110), (271, 99083), (325, 98990), (356, 98930), (361, 98927), (365, 98918), (381, 98894), (396, 98852), (397, 98849), (412, 98804), (429, 98762), (446, 98708), (500, 98624), (532, 98540), (543, 98513), (548, 98498), (622, 98339), (635, 98315), (642, 98300), (649, 98291), (680, 98204), (687, 98177), (688, 98174), (692, 98153), (695, 98132), (706, 98081), (732, 97997), (737, 97970), (742, 97937), (754, 97895), (789, 97784), (798, 97757), (809, 97721), (813, 97712), (815, 97709), (818, 97700), (858, 97580), (864, 97559), (868, 97553), (879, 97520), (882, 97502), (883, 97496), (894, 97463), (898, 97448), (915, 97424), (917, 97421), (927, 97397),

Gene: Margaret_49 Start: 33864, Stop: 31474, Start Num: 39

Candidate Starts for Margaret_49:

(13, 33993), (15, 33984), (Start: 39 @33864 has 23 MA's), (Start: 59 @33798 has 1 MA's), (80, 33732), (100, 33675), (116, 33636), (121, 33612), (132, 33591), (154, 33570), (198, 33501), (241, 33453), (248, 33438), (266, 33390), (313, 33309), (317, 33297), (352, 33228), (366, 33204), (379, 33180), (405, 33105), (412, 33084), (432, 33024), (447, 32979), (460, 32931), (487, 32823), (489, 32817), (512, 32736), (547, 32688), (601, 32628), (634, 32556), (655, 32514), (659, 32502), (693, 32361), (699, 32337), (702, 32322), (712, 32286), (735, 32193), (744, 32157), (746, 32151), (750, 32139), (757, 32115), (773, 32058), (778, 32040), (803, 31947), (830, 31878), (841, 31851), (844, 31839), (845, 31836), (854, 31800), (857, 31779), (868, 31746), (873, 31728), (887, 31659), (896, 31632), (902, 31608), (944, 31500), (949, 31488),

Gene: Marge_45 Start: 35242, Stop: 33455, Start Num: 229

Candidate Starts for Marge_45:

(Start: 229 @35242 has 918 MA's), (347, 35029), (354, 35014), (394, 34936), (400, 34915), (402, 34909), (404, 34900), (432, 34807), (440, 34783), (448, 34756), (500, 34663), (504, 34648), (516, 34615), (539, 34564), (540, 34561), (566, 34495), (580, 34465), (592, 34435), (614, 34390), (635, 34351), (695, 34171), (705, 34123), (719, 34084), (735, 34018), (763, 33946), (765, 33937), (792, 33853), (823, 33766), (870, 33640), (875, 33628), (898, 33544), (901, 33538),

Gene: Margo_44 Start: 31623, Stop: 29785, Start Num: 229

Candidate Starts for Margo_44:

(Start: 229 @31623 has 918 MA's), (261, 31572), (341, 31419), (382, 31347), (394, 31317), (402, 31290), (404, 31281), (448, 31137), (500, 31041), (517, 30993), (543, 30933), (581, 30846), (598, 30801), (611, 30780), (650, 30708), (668, 30666), (678, 30624), (695, 30543), (705, 30495), (719, 30456), (728, 30420), (735, 30390), (742, 30360), (766, 30279), (777, 30240), (786, 30216), (792, 30198), (793, 30195), (840, 30069), (857, 30009), (883, 29922), (898, 29874), (903, 29862), (909, 29853),

Gene: Marie_48 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for Marie_48:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (639, 30952), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Mariokart_50 Start: 45633, Stop: 43816, Start Num: 236

Candidate Starts for Mariokart_50:

(95, 45906), (104, 45873), (Start: 236 @45633 has 14 MA's), (253, 45597), (258, 45585), (260, 45582), (273, 45552), (334, 45426), (362, 45378), (395, 45303), (413, 45246), (439, 45171), (445, 45150), (499, 45057), (549, 44928), (557, 44904), (586, 44838), (598, 44805), (676, 44613), (679, 44592), (684, 44574), (696, 44517), (729, 44403), (732, 44394), (766, 44292), (771, 44277), (796, 44199), (800, 44187), (806, 44166), (808, 44157), (837, 44103), (852, 44070), (857, 44037), (858, 44034), (870, 43998), (879, 43974), (892, 43914), (922, 43842), (925, 43821),

Gene: Marius_49 Start: 31750, Stop: 29936, Start Num: 229

Candidate Starts for Marius_49:

(Start: 229 @31750 has 918 MA's), (255, 31711), (261, 31699), (341, 31546), (349, 31531), (382, 31474), (402, 31417), (404, 31408), (418, 31366), (432, 31315), (448, 31264), (500, 31171), (516, 31123), (528, 31099), (543, 31060), (553, 31033), (566, 31003), (607, 30910), (614, 30898), (639, 30850), (649, 30835), (695, 30679), (707, 30628), (718, 30595), (719, 30592), (735, 30526), (745, 30487), (766, 30415), (777, 30376), (786, 30352), (792, 30334), (802, 30301), (840, 30220), (857, 30160), (862, 30142), (881, 30082), (883, 30073), (898, 30025), (903, 30013), (909, 30004),

Gene: Marley1013_59 Start: 54530, Stop: 52713, Start Num: 238

Candidate Starts for Marley1013_59:

(64, 54914), (124, 54713), (Start: 238 @54530 has 44 MA's), (253, 54500), (347, 54320), (408, 54167), (412, 54155), (422, 54125), (426, 54119), (445, 54056), (447, 54050), (486, 53999), (499, 53963), (516, 53915), (557, 53810), (596, 53714), (627, 53663), (676, 53519), (684, 53480), (691, 53450), (696, 53423), (700, 53411), (727, 53315), (729, 53309), (732, 53300), (734, 53288), (759, 53216), (765, 53186), (771, 53168), (773, 53159), (796, 53090), (800, 53078), (806, 53057), (840, 52988), (849, 52973), (854, 52949), (864, 52904), (879, 52865), (882, 52847), (884, 52835), (888, 52823), (892, 52811), (908, 52769), (922, 52739),

Gene: Maroc7_43 Start: 34287, Stop: 32461, Start Num: 229

Candidate Starts for Maroc7_43:

(Start: 229 @34287 has 918 MA's), (347, 34074), (354, 34059), (382, 34011), (394, 33981), (400, 33960), (402, 33954), (404, 33945), (440, 33828), (448, 33801), (500, 33708), (504, 33693), (516, 33660), (539, 33609), (540, 33606), (566, 33540), (592, 33480), (614, 33435), (635, 33396), (695, 33216), (705, 33168), (719, 33129), (735, 33063), (745, 33024), (758, 33003), (765, 32982), (771, 32964), (792, 32898), (853, 32748), (854, 32745), (861, 32709), (870, 32685), (874, 32676), (878, 32664), (883, 32637), (898, 32589), (909, 32568),

Gene: Marsha_45 Start: 35798, Stop: 33972, Start Num: 229

Candidate Starts for Marsha_45:

(Start: 229 @35798 has 918 MA's), (347, 35585), (354, 35570), (382, 35522), (394, 35492), (400, 35471), (402, 35465), (404, 35456), (440, 35339), (448, 35312), (500, 35219), (504, 35204), (539, 35120), (540, 35117), (566, 35051), (592, 34991), (614, 34946), (635, 34907), (695, 34727), (704, 34697), (705, 34679), (707, 34676), (719, 34640), (735, 34574), (765, 34493), (766, 34490), (792, 34409), (853, 34259), (854, 34256), (861, 34220), (870, 34196), (878, 34175), (883, 34148), (898, 34100), (909, 34079),

Gene: Martin_40 Start: 28939, Stop: 27074, Start Num: 270

Candidate Starts for Martin_40:

(Start: 216 @29026 has 3 MA's), (219, 29023), (Start: 270 @28939 has 147 MA's), (Start: 276 @28930 has 5 MA's), (333, 28825), (336, 28816), (353, 28786), (355, 28783), (408, 28663), (412, 28651), (415, 28645), (449, 28540), (456, 28513), (493, 28372), (497, 28366), (498, 28363), (500, 28351), (508, 28324), (509, 28321), (514, 28306), (516, 28300), (518, 28294), (531, 28261), (629, 28072), (728, 27757), (731, 27748), (732, 27745), (735, 27727), (746, 27685), (748, 27679), (751, 27670), (756, 27655), (773, 27598), (820, 27439), (834, 27409), (836, 27400), (854, 27340), (858, 27316), (870, 27277), (879, 27244), (880, 27232), (896, 27172),

Gene: Maru_60 Start: 54462, Stop: 52603, Start Num: 197

Candidate Starts for Maru_60:

(Start: 175 @54486 has 5 MA's), (Start: 197 @54462 has 267 MA's), (Start: 231 @54438 has 5 MA's), (Start: 243 @54432 has 2 MA's), (260, 54390), (267, 54369), (316, 54255), (319, 54249), (337, 54219), (371, 54159), (381, 54138), (399, 54084), (403, 54072), (409, 54054), (413, 54042), (445, 53937), (486, 53880), (499, 53844), (502, 53832), (512, 53805), (531, 53760), (539, 53742), (553, 53703), (556, 53694), (557, 53691), (558, 53688), (690, 53331), (696, 53298), (702, 53277), (729, 53184), (732, 53175), (747, 53112), (765, 53076), (766, 53073), (771, 53058), (796, 52980), (800, 52968), (806, 52947), (822, 52908), (857, 52818), (862, 52800), (864, 52794), (870, 52779), (879, 52755), (881, 52740), (882, 52737), (884, 52725), (892, 52701), (911, 52653), (922, 52629),

Gene: MaryBeth_45 Start: 34704, Stop: 32875, Start Num: 229

Candidate Starts for MaryBeth_45:

(Start: 229 @34704 has 918 MA's), (347, 34491), (354, 34476), (382, 34428), (394, 34398), (400, 34377), (402, 34371), (404, 34362), (418, 34320), (440, 34245), (448, 34218), (500, 34125), (504, 34110), (539, 34026), (540, 34023), (566, 33957), (580, 33927), (592, 33897), (614, 33852), (635, 33813), (695, 33633), (705, 33585), (723, 33537), (732, 33498), (735, 33480), (745, 33441), (758, 33420), (765, 33399), (770, 33384), (808, 33261), (875, 33090), (880, 33066), (895, 33018), (898, 33006), (909, 32985), (912, 32979), (928, 32931), (935, 32916),

Gene: MarysWell_37 Start: 30459, Stop: 28594, Start Num: 229

Candidate Starts for MarysWell_37:

(Start: 229 @30459 has 918 MA's), (261, 30408), (327, 30285), (341, 30255), (343, 30252), (378, 30195), (394, 30153), (402, 30126), (404, 30117), (441, 29997), (448, 29973), (500, 29877), (507, 29853), (514, 29832), (550, 29745), (553, 29739), (567, 29706), (586, 29667), (607, 29619), (614, 29607), (635, 29568), (695, 29373), (704, 29343), (705, 29325), (718, 29289), (719, 29286), (723, 29277), (735, 29220), (745, 29181), (765, 29139), (771, 29121), (786, 29073), (788, 29067), (802, 29022), (823, 28968), (828, 28959), (840, 28941), (862, 28863), (880, 28806), (891, 28770), (898, 28746), (903, 28734),

Gene: Maskar_62 Start: 54257, Stop: 52398, Start Num: 197

Candidate Starts for Maskar_62:

(Start: 175 @54281 has 5 MA's), (Start: 197 @54257 has 267 MA's), (Start: 231 @54233 has 5 MA's), (Start: 243 @54227 has 2 MA's), (260, 54185), (267, 54164), (316, 54050), (319, 54044), (337,

54014), (371, 53954), (381, 53933), (399, 53879), (403, 53867), (409, 53849), (413, 53837), (445, 53732), (486, 53675), (499, 53639), (502, 53627), (511, 53603), (516, 53591), (524, 53573), (531, 53555), (539, 53537), (553, 53498), (556, 53489), (557, 53486), (558, 53483), (664, 53228), (690, 53126), (696, 53093), (702, 53072), (729, 52979), (732, 52970), (747, 52907), (765, 52871), (766, 52868), (771, 52853), (796, 52775), (800, 52763), (806, 52742), (822, 52703), (857, 52613), (862, 52595), (864, 52589), (870, 52574), (879, 52550), (881, 52535), (882, 52532), (884, 52520), (892, 52496), (898, 52475), (911, 52448), (922, 52424),

Gene: MasterPo_57 Start: 52506, Stop: 50677, Start Num: 189

Candidate Starts for MasterPo_57:

(Start: 189 @52506 has 57 MA's), (Start: 243 @52479 has 2 MA's), (254, 52449), (260, 52437), (271, 52410), (273, 52407), (278, 52398), (298, 52380), (343, 52284), (371, 52233), (382, 52209), (391, 52185), (434, 52047), (442, 52023), (445, 52011), (486, 51954), (499, 51918), (502, 51906), (511, 51882), (546, 51798), (556, 51768), (557, 51765), (570, 51735), (633, 51591), (659, 51525), (673, 51486), (676, 51474), (679, 51453), (684, 51435), (696, 51378), (723, 51294), (729, 51264), (732, 51255), (747, 51189), (763, 51162), (765, 51153), (771, 51135), (777, 51111), (796, 51057), (800, 51045), (806, 51024), (840, 50955), (857, 50895), (862, 50877), (875, 50844), (879, 50832), (881, 50817), (882, 50814), (884, 50802), (892, 50778), (893, 50775), (911, 50727), (912, 50724), (922, 50703), (925, 50682),

Gene: Matalotodo_60 Start: 54575, Stop: 52716, Start Num: 197

Candidate Starts for Matalotodo_60:

(Start: 175 @54599 has 5 MA's), (Start: 197 @54575 has 267 MA's), (Start: 231 @54551 has 5 MA's), (Start: 243 @54545 has 2 MA's), (260, 54503), (267, 54482), (316, 54368), (319, 54362), (337, 54332), (371, 54272), (381, 54251), (399, 54197), (403, 54185), (409, 54167), (413, 54155), (445, 54050), (486, 53993), (499, 53957), (502, 53945), (512, 53918), (524, 53891), (531, 53873), (539, 53855), (553, 53816), (556, 53807), (557, 53804), (664, 53546), (690, 53444), (696, 53411), (702, 53390), (729, 53297), (732, 53288), (747, 53225), (765, 53189), (766, 53186), (771, 53171), (796, 53093), (800, 53081), (806, 53060), (822, 53021), (857, 52931), (862, 52913), (864, 52907), (870, 52892), (879, 52868), (881, 52853), (882, 52850), (884, 52838), (892, 52814), (911, 52766), (922, 52742),

Gene: Maureen_42 Start: 31379, Stop: 33223, Start Num: 229

Candidate Starts for Maureen_42:

(Start: 139 @31253 has 1 MA's), (141, 31256), (Start: 229 @31379 has 918 MA's), (394, 31676), (501, 31952), (541, 32054), (548, 32075), (611, 32213), (643, 32276), (695, 32471), (698, 32477), (704, 32501), (719, 32558), (733, 32615), (735, 32624), (771, 32741), (786, 32789), (851, 32948), (853, 32960), (877, 33041), (898, 33119), (920, 33164),

Gene: Maverick_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Maverick_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Maxo_46 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Maxo_46:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777,

30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Mayweather_49 Start: 35337, Stop: 32956, Start Num: 41

Candidate Starts for Mayweather_49:

(Start: 41 @35337 has 13 MA's), (58, 35277), (83, 35196), (121, 35076), (156, 35031), (205, 34953), (210, 34947), (211, 34944), (Start: 243 @34914 has 2 MA's), (260, 34875), (262, 34866), (Start: 276 @34836 has 5 MA's), (311, 34779), (333, 34740), (342, 34719), (366, 34677), (371, 34668), (379, 34653), (382, 34644), (386, 34632), (398, 34599), (399, 34596), (405, 34578), (412, 34557), (469, 34374), (489, 34299), (500, 34257), (547, 34170), (594, 34122), (609, 34092), (612, 34086), (634, 34041), (635, 34038), (642, 34023), (654, 34002), (678, 33918), (685, 33888), (699, 33828), (701, 33819), (704, 33804), (707, 33789), (712, 33777), (735, 33684), (744, 33648), (746, 33642), (748, 33636), (750, 33630), (766, 33573), (773, 33549), (801, 33444), (802, 33441), (820, 33390), (838, 33348), (844, 33330), (854, 33291), (863, 33249), (871, 33225), (888, 33147), (896, 33123), (910, 33078), (933, 33012), (944, 32991), (945, 32985), (949, 32979),

Gene: Mazhar510_45 Start: 31571, Stop: 29745, Start Num: 229

Candidate Starts for Mazhar510_45:

(Start: 229 @31571 has 918 MA's), (250, 31550), (261, 31520), (273, 31490), (365, 31328), (376, 31310), (402, 31238), (404, 31229), (441, 31109), (448, 31085), (500, 30992), (517, 30944), (528, 30923), (543, 30884), (598, 30752), (611, 30731), (635, 30686), (640, 30674), (692, 30521), (695, 30500), (728, 30377), (735, 30347), (745, 30308), (765, 30242), (766, 30239), (771, 30224), (777, 30200), (786, 30176), (857, 29969), (898, 29834), (903, 29822), (909, 29813),

Gene: McFly_45 Start: 29627, Stop: 27786, Start Num: 229

Candidate Starts for McFly_45:

(Start: 229 @29627 has 918 MA's), (341, 29423), (382, 29348), (383, 29345), (394, 29318), (398, 29303), (402, 29291), (418, 29240), (444, 29150), (448, 29138), (500, 29045), (512, 29006), (519, 28988), (528, 28973), (553, 28907), (567, 28874), (569, 28871), (615, 28769), (649, 28709), (678, 28625), (695, 28544), (718, 28460), (719, 28457), (723, 28448), (728, 28421), (735, 28391), (758, 28331), (771, 28292), (853, 28076), (854, 28073), (857, 28052), (898, 27917), (903, 27905), (909, 27896), (911, 27893), (947, 27800),

Gene: McGalleon_41 Start: 30345, Stop: 28477, Start Num: 270

Candidate Starts for McGalleon_41:

(263, 30360), (Start: 270 @30345 has 147 MA's), (Start: 276 @30336 has 5 MA's), (353, 30192), (355, 30189), (405, 30078), (408, 30069), (412, 30057), (415, 30051), (449, 29946), (474, 29853), (493, 29778), (498, 29769), (500, 29757), (509, 29727), (514, 29712), (516, 29706), (518, 29700), (629, 29478), (728, 29163), (731, 29154), (732, 29151), (735, 29133), (746, 29091), (773, 29001), (781, 28974), (820, 28842), (836, 28803), (854, 28743), (858, 28719), (870, 28680), (879, 28647), (880, 28635),

Gene: McGuire_45 Start: 34382, Stop: 32553, Start Num: 229

Candidate Starts for McGuire_45:

(Start: 229 @34382 has 918 MA's), (347, 34169), (382, 34106), (394, 34076), (400, 34055), (402, 34049), (404, 34040), (440, 33923), (448, 33896), (500, 33803), (504, 33788), (516, 33755), (539, 33704), (540, 33701), (560, 33647), (566, 33635), (580, 33605), (592, 33575), (614, 33530), (635, 33491), (695, 33311), (705, 33263), (723, 33215), (732, 33176), (735, 33158), (745, 33119), (758, 33098), (765, 33077), (770, 33062), (808, 32939), (875, 32768), (880, 32744), (895, 32696), (898, 32684), (909, 32663), (912, 32657), (928, 32609), (935, 32594),

Gene: Mcshane_59 Start: 54021, Stop: 52162, Start Num: 197

Candidate Starts for Mcshane_59:

(Start: 175 @54045 has 5 MA's), (Start: 197 @54021 has 267 MA's), (Start: 231 @53997 has 5 MA's), (Start: 243 @53991 has 2 MA's), (260, 53949), (267, 53928), (316, 53814), (319, 53808), (337, 53778), (371, 53718), (381, 53697), (399, 53643), (403, 53631), (409, 53613), (413, 53601), (445, 53496), (486, 53439), (499, 53403), (502, 53391), (512, 53364), (524, 53337), (531, 53319), (539, 53301), (553, 53262), (556, 53253), (557, 53250), (664, 52992), (690, 52890), (696, 52857), (702, 52836), (729, 52743), (732, 52734), (747, 52671), (765, 52635), (766, 52632), (771, 52617), (796, 52539), (800, 52527), (806, 52506), (822, 52467), (857, 52377), (862, 52359), (864, 52353), (870, 52338), (879, 52314), (881, 52299), (882, 52296), (884, 52284), (892, 52260), (911, 52212), (922, 52188),

Gene: Mecca_60 Start: 54586, Stop: 52727, Start Num: 197

Candidate Starts for Mecca_60:

(Start: 175 @54610 has 5 MA's), (Start: 197 @54586 has 267 MA's), (Start: 231 @54562 has 5 MA's), (Start: 243 @54556 has 2 MA's), (260, 54514), (267, 54493), (316, 54379), (319, 54373), (337, 54343), (371, 54283), (381, 54262), (399, 54208), (403, 54196), (409, 54178), (413, 54166), (445, 54061), (486, 54004), (499, 53968), (502, 53956), (511, 53932), (516, 53920), (524, 53902), (531, 53884), (539, 53866), (553, 53827), (556, 53818), (557, 53815), (558, 53812), (690, 53455), (696, 53422), (702, 53401), (729, 53308), (732, 53299), (747, 53236), (765, 53200), (766, 53197), (771, 53182), (796, 53104), (800, 53092), (806, 53071), (822, 53032), (857, 52942), (862, 52924), (864, 52918), (870, 52903), (879, 52879), (881, 52864), (882, 52861), (884, 52849), (892, 52825), (911, 52777), (922, 52753),

Gene: Medusa_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Medusa_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: MeeZee_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for MeeZee_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Megamind20_61 Start: 54009, Stop: 52150, Start Num: 197

Candidate Starts for Megamind20_61:

(Start: 175 @54033 has 5 MA's), (Start: 197 @54009 has 267 MA's), (Start: 231 @53985 has 5 MA's), (Start: 243 @53979 has 2 MA's), (260, 53937), (267, 53916), (316, 53802), (319, 53796), (337, 53766), (371, 53706), (381, 53685), (399, 53631), (403, 53619), (409, 53601), (413, 53589), (445, 53484), (486, 53427), (499, 53391), (502, 53379), (512, 53352), (524, 53325), (531, 53307), (539, 53289), (553, 53250), (556, 53241), (557, 53238), (664, 52980), (690, 52878), (696, 52845), (702, 52824), (729, 52731), (732, 52722), (747, 52659), (765, 52623), (766, 52620), (771, 52605), (796, 52527), (800, 52515), (806, 52494), (822, 52455), (857, 52365), (862, 52347), (864, 52341), (870, 52326), (879, 52302), (881, 52287), (882, 52284), (884, 52272), (892, 52248), (911, 52200), (922, 52176),

Gene: Megatron_61 Start: 54535, Stop: 52676, Start Num: 197

Candidate Starts for Megatron_61:

(Start: 175 @54559 has 5 MA's), (Start: 197 @54535 has 267 MA's), (Start: 231 @54511 has 5 MA's), (Start: 243 @54505 has 2 MA's), (260, 54463), (267, 54442), (316, 54328), (319, 54322), (337, 54292), (371, 54232), (381, 54211), (399, 54157), (403, 54145), (409, 54127), (413, 54115), (445, 54010), (486, 53953), (499, 53917), (502, 53905), (512, 53878), (524, 53851), (531, 53833), (539, 53815), (553, 53776), (556, 53767), (557, 53764), (664, 53506), (690, 53404), (696, 53371), (702, 53350), (729, 53257), (732, 53248), (747, 53185), (765, 53149), (766, 53146), (771, 53131), (796, 53053), (800, 53041), (806, 53020), (822, 52981), (857, 52891), (862, 52873), (864, 52867), (870, 52852), (879, 52828), (881, 52813), (882, 52810), (884, 52798), (892, 52774), (911, 52726), (922, 52702),

Gene: Melc17_60 Start: 54852, Stop: 52993, Start Num: 197

Candidate Starts for Melc17_60:

(Start: 175 @54876 has 5 MA's), (Start: 197 @54852 has 267 MA's), (Start: 231 @54828 has 5 MA's), (Start: 243 @54822 has 2 MA's), (260, 54780), (267, 54759), (316, 54645), (319, 54639), (337, 54609), (371, 54549), (381, 54528), (399, 54474), (403, 54462), (409, 54444), (413, 54432), (445, 54327), (486, 54270), (499, 54234), (502, 54222), (511, 54198), (516, 54186), (524, 54168), (531, 54150), (539, 54132), (553, 54093), (556, 54084), (557, 54081), (558, 54078), (690, 53721), (696, 53688), (702, 53667), (729, 53574), (732, 53565), (747, 53502), (765, 53466), (766, 53463), (771, 53448), (796, 53370), (800, 53358), (806, 53337), (822, 53298), (857, 53208), (862, 53190), (864, 53184), (870, 53169), (879, 53145), (881, 53130), (882, 53127), (884, 53115), (892, 53091), (911, 53043), (922, 53019),

Gene: MelsMeow_61 Start: 54310, Stop: 52451, Start Num: 197

Candidate Starts for MelsMeow_61:

(Start: 175 @54334 has 5 MA's), (Start: 197 @54310 has 267 MA's), (Start: 231 @54286 has 5 MA's), (Start: 243 @54280 has 2 MA's), (260, 54238), (267, 54217), (316, 54103), (319, 54097), (337, 54067), (371, 54007), (381, 53986), (399, 53932), (403, 53920), (409, 53902), (413, 53890), (445, 53785), (486, 53728), (499, 53692), (502, 53680), (512, 53653), (531, 53608), (553, 53551), (556, 53542), (557, 53539), (664, 53281), (690, 53179), (696, 53146), (702, 53125), (729, 53032), (732, 53023), (747, 52960), (765, 52924), (766, 52921), (771, 52906), (796, 52828), (800, 52816), (806, 52795), (822, 52756), (857, 52666), (862, 52648), (864, 52642), (870, 52627), (879, 52603), (881, 52588), (882, 52585), (884, 52573), (892, 52549), (898, 52528), (911, 52501), (922, 52477), (924, 52462),

Gene: Melvin_47 Start: 31565, Stop: 29739, Start Num: 229

Candidate Starts for Melvin_47:

(Start: 229 @31565 has 918 MA's), (250, 31544), (261, 31514), (273, 31484), (365, 31322), (376, 31304), (402, 31232), (404, 31223), (441, 31103), (448, 31079), (500, 30986), (517, 30938), (528, 30917), (543, 30878), (598, 30746), (611, 30725), (635, 30680), (640, 30668), (692, 30515), (695, 30494), (728, 30371), (735, 30341), (745, 30302), (765, 30236), (766, 30233), (771, 30218), (777, 30194), (786, 30170), (857, 29963), (898, 29828), (903, 29816), (909, 29807),

Gene: Mercedes_34 Start: 25967, Stop: 24108, Start Num: 270

Candidate Starts for Mercedes_34:

(Start: 270 @25967 has 147 MA's), (274, 25961), (321, 25868), (353, 25814), (357, 25808), (405, 25700), (412, 25679), (415, 25673), (431, 25622), (457, 25538), (498, 25403), (500, 25391), (509, 25361), (514, 25346), (516, 25340), (521, 25328), (610, 25157), (636, 25091), (654, 25058), (676, 24989), (678, 24977), (728, 24797), (735, 24767), (766, 24656), (773, 24632), (774, 24629), (781, 24605), (836, 24434), (854, 24374), (858, 24350), (861, 24338), (864, 24329), (879, 24278), (896, 24206),

Gene: Mesh1_62 Start: 54599, Stop: 52740, Start Num: 197

Candidate Starts for Mesh1_62:

(Start: 175 @54623 has 5 MA's), (Start: 197 @54599 has 267 MA's), (Start: 231 @54575 has 5 MA's), (Start: 243 @54569 has 2 MA's), (260, 54527), (267, 54506), (316, 54392), (319, 54386), (337, 54356), (371, 54296), (381, 54275), (399, 54221), (403, 54209), (409, 54191), (413, 54179), (445, 54074), (486, 54017), (499, 53981), (502, 53969), (512, 53942), (524, 53915), (531, 53897), (539, 53879), (553, 53840), (556, 53831), (557, 53828), (664, 53570), (690, 53468), (696, 53435), (702, 53414), (729, 53321), (732, 53312), (747, 53249), (765, 53213), (766, 53210), (771, 53195), (796, 53117), (800, 53105), (806, 53084), (822, 53045), (857, 52955), (862, 52937), (864, 52931), (870, 52916), (879, 52892), (881, 52877), (882, 52874), (884, 52862), (892, 52838), (911, 52790), (922, 52766),

Gene: MetalQZJ_44 Start: 34704, Stop: 32875, Start Num: 229

Candidate Starts for MetalQZJ_44:

(Start: 229 @34704 has 918 MA's), (347, 34491), (354, 34476), (382, 34428), (394, 34398), (400, 34377), (402, 34371), (404, 34362), (418, 34320), (440, 34245), (448, 34218), (500, 34125), (504, 34110), (539, 34026), (540, 34023), (566, 33957), (580, 33927), (592, 33897), (614, 33852), (635, 33813), (695, 33633), (705, 33585), (723, 33537), (732, 33498), (735, 33480), (745, 33441), (758, 33420), (765, 33399), (770, 33384), (808, 33261), (875, 33090), (880, 33066), (895, 33018), (898, 33006), (909, 32985), (912, 32979), (928, 32931), (935, 32916),

Gene: Methuselah_45 Start: 31880, Stop: 30066, Start Num: 229

Candidate Starts for Methuselah_45:

(Start: 229 @31880 has 918 MA's), (255, 31841), (261, 31829), (341, 31676), (349, 31661), (382, 31604), (402, 31547), (404, 31538), (418, 31496), (432, 31445), (448, 31394), (487, 31340), (500, 31301), (516, 31253), (528, 31229), (543, 31190), (553, 31163), (566, 31133), (607, 31040), (614, 31028), (639, 30980), (649, 30965), (695, 30809), (707, 30758), (718, 30725), (719, 30722), (735, 30656), (745, 30617), (766, 30545), (777, 30506), (786, 30482), (792, 30464), (802, 30431), (840, 30350), (857, 30290), (883, 30203), (898, 30155), (903, 30143), (909, 30134), (911, 30131),

Gene: Micasa_40 Start: 30726, Stop: 28861, Start Num: 229

Candidate Starts for Micasa_40:

(Start: 229 @30726 has 918 MA's), (261, 30675), (296, 30615), (327, 30552), (341, 30522), (343, 30519), (378, 30462), (382, 30450), (394, 30420), (402, 30393), (448, 30240), (500, 30144), (516, 30096), (550, 30012), (553, 30006), (586, 29934), (598, 29901), (607, 29886), (614, 29874), (664, 29775), (695, 29640), (704, 29610), (705, 29592), (707, 29589), (719, 29553), (723, 29544), (728, 29517), (735, 29487), (745, 29448), (765, 29406), (771, 29388), (786, 29340), (802, 29289), (823, 29235), (828, 29226), (840, 29208), (857, 29148), (862, 29130), (891, 29037), (898, 29013), (903, 29001), (947, 28896),

Gene: MichaelPhcott_61 Start: 54184, Stop: 52325, Start Num: 197

Candidate Starts for MichaelPhcott_61:

(Start: 175 @54208 has 5 MA's), (Start: 197 @54184 has 267 MA's), (Start: 231 @54160 has 5 MA's), (Start: 243 @54154 has 2 MA's), (260, 54112), (267, 54091), (316, 53977), (319, 53971), (337, 53941), (371, 53881), (381, 53860), (399, 53806), (403, 53794), (409, 53776), (413, 53764), (445, 53659), (486, 53602), (499, 53566), (502, 53554), (511, 53530), (516, 53518), (524, 53500), (531, 53482), (539, 53464), (553, 53425), (556, 53416), (557, 53413), (558, 53410), (690, 53053), (696, 53020), (702, 52999), (729, 52906), (732, 52897), (747, 52834), (765, 52798), (766, 52795), (771, 52780), (796, 52702), (800, 52690), (806, 52669), (822, 52630), (857, 52540), (862, 52522), (864, 52516), (870, 52501), (879, 52477), (881, 52462), (882, 52459), (884, 52447), (892, 52423), (911, 52375), (922, 52351),

Gene: Michley_44 Start: 34222, Stop: 32396, Start Num: 229

Candidate Starts for Michley_44:

(Start: 229 @34222 has 918 MA's), (347, 34009), (394, 33916), (400, 33895), (402, 33889), (404, 33880), (440, 33763), (448, 33736), (500, 33643), (504, 33628), (516, 33595), (539, 33544), (540, 33541), (566, 33475), (580, 33445), (592, 33415), (614, 33370), (635, 33331), (695, 33151), (705, 33103), (719, 33064), (735, 32998), (745, 32959), (758, 32938), (765, 32917), (771, 32899), (792, 32833), (853, 32683), (854, 32680), (861, 32644), (870, 32620), (874, 32611), (878, 32599), (898, 32524), (909, 32503),

Gene: Microwolf_48 Start: 31854, Stop: 30040, Start Num: 229

Candidate Starts for Microwolf_48:

(Start: 229 @31854 has 918 MA's), (255, 31815), (261, 31803), (341, 31650), (349, 31635), (382, 31578), (402, 31521), (404, 31512), (418, 31470), (432, 31419), (448, 31368), (500, 31275), (516, 31227), (519, 31218), (528, 31203), (543, 31164), (553, 31137), (566, 31107), (607, 31014), (614, 31002), (639, 30954), (649, 30939), (695, 30783), (719, 30696), (735, 30630), (745, 30591), (766, 30519), (777, 30480), (786, 30456), (792, 30438), (802, 30405), (811, 30378), (840, 30324), (857, 30264), (881, 30186), (898, 30129), (903, 30117), (909, 30108),

Gene: MiculUcigas_44 Start: 31260, Stop: 29473, Start Num: 229

Candidate Starts for MiculUcigas_44:

(Start: 229 @31260 has 918 MA's), (341, 31056), (343, 31053), (347, 31047), (365, 31017), (382, 30984), (383, 30981), (394, 30954), (402, 30927), (418, 30876), (448, 30774), (500, 30681), (516, 30633), (519, 30624), (528, 30609), (553, 30543), (588, 30462), (611, 30414), (678, 30270), (695, 30189), (707, 30138), (718, 30105), (735, 30036), (745, 29997), (758, 29976), (765, 29955), (769, 29943), (837, 29763), (840, 29757), (853, 29721), (857, 29697), (881, 29619), (898, 29562), (903, 29550),

Gene: Midas2_38 Start: 30444, Stop: 28579, Start Num: 229

Candidate Starts for Midas2_38:

(Start: 229 @30444 has 918 MA's), (261, 30393), (296, 30333), (327, 30270), (341, 30240), (343, 30237), (378, 30180), (382, 30168), (394, 30138), (402, 30111), (448, 29958), (500, 29862), (516, 29814), (550, 29730), (553, 29724), (567, 29691), (586, 29652), (598, 29619), (607, 29604), (614, 29592), (664, 29493), (695, 29358), (704, 29328), (705, 29310), (707, 29307), (719, 29271), (723, 29262), (728, 29235), (735, 29205), (745, 29166), (765, 29124), (771, 29106), (786, 29058), (802, 29007), (823, 28953), (828, 28944), (840, 28926), (857, 28866), (862, 28848), (891, 28755), (898, 28731), (903, 28719), (947, 28614),

Gene: Miko_43 Start: 31812, Stop: 30025, Start Num: 229

Candidate Starts for Miko_43:

(Start: 229 @31812 has 918 MA's), (343, 31605), (347, 31599), (365, 31569), (382, 31536), (383, 31533), (398, 31491), (402, 31479), (448, 31326), (500, 31233), (516, 31185), (519, 31176), (528, 31161), (553, 31095), (611, 30966), (678, 30822), (695, 30741), (707, 30690), (718, 30657), (719, 30654), (735, 30588), (745, 30549), (758, 30528), (781, 30453), (786, 30441), (802, 30390), (811, 30363), (828, 30327), (840, 30309), (853, 30273), (857, 30249), (881, 30171), (898, 30114), (903, 30102), (909, 30093),

Gene: Mikota_59 Start: 53562, Stop: 51703, Start Num: 197

Candidate Starts for Mikota_59:

(Start: 175 @53586 has 5 MA's), (Start: 197 @53562 has 267 MA's), (Start: 231 @53538 has 5 MA's), (Start: 243 @53532 has 2 MA's), (253, 53505), (260, 53490), (267, 53469), (316, 53355), (319, 53349), (337, 53319), (371, 53259), (381, 53238), (399, 53184), (403, 53172), (409, 53154), (413, 53142), (445, 53037), (486, 52980), (499, 52944), (502, 52932), (512, 52905), (531, 52860), (553, 52803), (556, 52794), (557, 52791), (558, 52788), (690, 52431), (696, 52398), (702, 52377), (729, 52284), (732, 52275), (747, 52212), (765, 52176), (766, 52173), (771, 52158), (796, 52080), (800, 52068), (806, 52047), (822, 52008), (857, 51918), (862, 51900), (864, 51894), (870, 51879), (879,

51855), (881, 51840), (882, 51837), (884, 51825), (892, 51801), (911, 51753), (922, 51729),

Gene: Milcery_39 Start: 30563, Stop: 28704, Start Num: 229

Candidate Starts for Milcery_39:

(Start: 229 @30563 has 918 MA's), (261, 30512), (296, 30452), (327, 30389), (341, 30359), (343, 30356), (378, 30299), (382, 30287), (394, 30257), (402, 30230), (448, 30077), (500, 29981), (510, 29948), (516, 29933), (550, 29849), (553, 29843), (586, 29771), (598, 29738), (607, 29723), (614, 29711), (664, 29612), (695, 29477), (704, 29447), (705, 29429), (707, 29426), (719, 29390), (723, 29381), (726, 29360), (729, 29351), (735, 29324), (736, 29321), (758, 29264), (765, 29243), (802, 29126), (823, 29072), (828, 29063), (840, 29045), (857, 28985), (862, 28967), (891, 28874), (898, 28850), (903, 28838), (953, 28721), (955, 28718),

Gene: Millski_44 Start: 31571, Stop: 29745, Start Num: 229

Candidate Starts for Millski_44:

(Start: 229 @31571 has 918 MA's), (250, 31550), (261, 31520), (273, 31490), (365, 31328), (376, 31310), (402, 31238), (404, 31229), (441, 31109), (448, 31085), (500, 30992), (517, 30944), (528, 30923), (543, 30884), (598, 30752), (611, 30731), (635, 30686), (640, 30674), (692, 30521), (695, 30500), (728, 30377), (735, 30347), (745, 30308), (765, 30242), (766, 30239), (771, 30224), (777, 30200), (786, 30176), (857, 29969), (898, 29834), (903, 29822), (909, 29813),

Gene: MillyPhilly_39 Start: 28927, Stop: 27062, Start Num: 270

Candidate Starts for MillyPhilly_39:

(Start: 216 @29014 has 3 MA's), (219, 29011), (Start: 270 @28927 has 147 MA's), (Start: 276 @28918 has 5 MA's), (333, 28813), (336, 28804), (353, 28774), (355, 28771), (408, 28651), (412, 28639), (415, 28633), (449, 28528), (456, 28501), (493, 28360), (497, 28354), (498, 28351), (500, 28339), (508, 28312), (509, 28309), (514, 28294), (516, 28288), (518, 28282), (531, 28249), (629, 28060), (728, 27745), (731, 27736), (732, 27733), (735, 27715), (746, 27673), (748, 27667), (751, 27658), (756, 27643), (773, 27586), (820, 27427), (834, 27397), (836, 27388), (854, 27328), (858, 27304), (870, 27265), (879, 27232), (880, 27220), (896, 27160),

Gene: Mimi_105 Start: 77797, Stop: 79593, Start Num: 245

Candidate Starts for Mimi_105:

(Start: 245 @77797 has 2 MA's), (296, 77893), (403, 78109), (412, 78136), (415, 78142), (440, 78211), (451, 78247), (532, 78394), (535, 78400), (543, 78421), (548, 78436), (635, 78625), (658, 78670), (671, 78703), (675, 78721), (682, 78754), (692, 78793), (695, 78814), (698, 78820), (726, 78934), (744, 79018), (746, 79024), (750, 79036), (764, 79084), (767, 79096), (777, 79132), (789, 79165), (792, 79174), (806, 79219), (812, 79237), (849, 79321), (853, 79342), (858, 79369), (862, 79384), (875, 79417), (880, 79441), (885, 79465), (898, 79501), (913, 79528),

Gene: MinecraftSteve_48 Start: 29943, Stop: 28153, Start Num: 229

Candidate Starts for MinecraftSteve_48:

(Start: 229 @29943 has 918 MA's), (327, 29769), (382, 29664), (383, 29661), (394, 29634), (402, 29607), (418, 29556), (448, 29454), (500, 29361), (512, 29322), (519, 29304), (598, 29115), (635, 29049), (669, 28989), (678, 28950), (690, 28899), (692, 28890), (695, 28869), (707, 28818), (718, 28785), (728, 28746), (735, 28716), (758, 28656), (765, 28635), (777, 28593), (787, 28566), (823, 28464), (853, 28401), (854, 28398), (898, 28242), (903, 28230), (911, 28218),

Gene: MiniBoss_58 Start: 53368, Stop: 51509, Start Num: 197

Candidate Starts for MiniBoss_58:

(Start: 175 @53392 has 5 MA's), (Start: 197 @53368 has 267 MA's), (Start: 231 @53344 has 5 MA's), (Start: 243 @53338 has 2 MA's), (253, 53311), (260, 53296), (267, 53275), (316, 53161), (319, 53155), (337, 53125), (371, 53065), (381, 53044), (399, 52990), (403, 52978), (409, 52960), (413, 52948), (445, 52843), (486, 52786), (499, 52750), (502, 52738), (512, 52711), (516, 52702), (531,

52666), (553, 52609), (556, 52600), (557, 52597), (558, 52594), (690, 52237), (696, 52204), (702, 52183), (729, 52090), (732, 52081), (747, 52018), (765, 51982), (766, 51979), (771, 51964), (796, 51886), (800, 51874), (806, 51853), (822, 51814), (857, 51724), (862, 51706), (864, 51700), (870, 51685), (879, 51661), (881, 51646), (882, 51643), (884, 51631), (892, 51607), (911, 51559), (922, 51535),

Gene: MiniMommy_47 Start: 30558, Stop: 32420, Start Num: 229

Candidate Starts for MiniMommy_47:

(151, 30459), (Start: 162 @30477 has 2 MA's), (Start: 229 @30558 has 918 MA's), (260, 30606), (343, 30765), (347, 30771), (400, 30876), (415, 30921), (497, 31128), (543, 31257), (588, 31362), (611, 31410), (651, 31494), (695, 31668), (718, 31752), (726, 31785), (729, 31794), (741, 31845), (764, 31914), (799, 32025), (825, 32094), (828, 32100), (864, 32205), (898, 32316),

Gene: Miramae_44 Start: 31710, Stop: 29881, Start Num: 229

Candidate Starts for Miramae_44:

(Start: 229 @31710 has 918 MA's), (261, 31659), (273, 31629), (365, 31467), (376, 31449), (402, 31377), (404, 31368), (441, 31248), (448, 31224), (500, 31131), (517, 31083), (543, 31023), (560, 30978), (598, 30891), (611, 30870), (635, 30825), (640, 30813), (695, 30639), (723, 30543), (728, 30516), (729, 30513), (735, 30486), (745, 30447), (765, 30378), (766, 30375), (771, 30360), (777, 30336), (783, 30318), (786, 30312), (788, 30306), (857, 30105), (898, 29970), (903, 29958), (909, 29949),

Gene: Misomonster_49 Start: 31883, Stop: 30069, Start Num: 229

Candidate Starts for Misomonster_49:

(Start: 229 @31883 has 918 MA's), (255, 31844), (261, 31832), (341, 31679), (349, 31664), (382, 31607), (402, 31550), (404, 31541), (418, 31499), (432, 31448), (448, 31397), (487, 31343), (500, 31304), (516, 31256), (528, 31232), (543, 31193), (553, 31166), (566, 31136), (607, 31043), (614, 31031), (639, 30983), (649, 30968), (695, 30812), (707, 30761), (718, 30728), (719, 30725), (735, 30659), (745, 30620), (766, 30548), (777, 30509), (786, 30485), (792, 30467), (802, 30434), (840, 30353), (857, 30293), (883, 30206), (898, 30158), (903, 30146), (909, 30137), (911, 30134),

Gene: MissSwiss_41 Start: 28328, Stop: 30193, Start Num: 229

Candidate Starts for MissSwiss_41:

(Start: 229 @28328 has 918 MA's), (260, 28376), (327, 28502), (394, 28625), (421, 28715), (501, 28922), (504, 28931), (543, 29030), (548, 29045), (567, 29090), (611, 29183), (669, 29321), (695, 29441), (704, 29471), (712, 29504), (714, 29507), (719, 29528), (735, 29594), (764, 29687), (786, 29759), (825, 29867), (853, 29930), (898, 30089), (902, 30098),

Gene: MissWhite_43 Start: 29746, Stop: 27959, Start Num: 229

Candidate Starts for MissWhite_43:

(Start: 229 @29746 has 918 MA's), (341, 29542), (343, 29539), (347, 29533), (365, 29503), (378, 29482), (381, 29473), (382, 29470), (394, 29440), (402, 29413), (408, 29392), (418, 29362), (448, 29260), (500, 29167), (516, 29119), (519, 29110), (528, 29095), (553, 29029), (598, 28921), (611, 28900), (695, 28675), (707, 28624), (723, 28579), (735, 28522), (745, 28483), (758, 28462), (781, 28387), (788, 28369), (802, 28324), (828, 28261), (837, 28249), (853, 28207), (857, 28183), (877, 28126), (881, 28105), (898, 28048), (903, 28036), (909, 28027),

Gene: MitKao_60 Start: 54033, Stop: 52174, Start Num: 197

Candidate Starts for MitKao_60:

(Start: 175 @54057 has 5 MA's), (Start: 197 @54033 has 267 MA's), (Start: 231 @54009 has 5 MA's), (Start: 243 @54003 has 2 MA's), (260, 53961), (267, 53940), (316, 53826), (319, 53820), (337, 53790), (371, 53730), (381, 53709), (399, 53655), (403, 53643), (409, 53625), (413, 53613), (445, 53508), (486, 53451), (499, 53415), (502, 53403), (512, 53376), (531, 53331), (553, 53274), (556,

53265), (557, 53262), (690, 52902), (696, 52869), (702, 52848), (729, 52755), (732, 52746), (747, 52683), (765, 52647), (766, 52644), (771, 52629), (796, 52551), (800, 52539), (806, 52518), (822, 52479), (857, 52389), (862, 52371), (864, 52365), (870, 52350), (879, 52326), (881, 52311), (882, 52308), (884, 52296), (892, 52272), (911, 52224), (922, 52200),

Gene: Mithril_53 Start: 54005, Stop: 52182, Start Num: 189

Candidate Starts for Mithril_53:

(Start: 175 @54023 has 5 MA's), (Start: 189 @54005 has 57 MA's), (Start: 243 @53981 has 2 MA's), (260, 53939), (267, 53918), (308, 53831), (368, 53726), (381, 53699), (386, 53684), (409, 53618), (420, 53588), (422, 53579), (425, 53576), (426, 53573), (486, 53453), (493, 53435), (499, 53417), (502, 53405), (512, 53378), (539, 53315), (553, 53276), (556, 53267), (557, 53264), (570, 53234), (586, 53198), (664, 53012), (676, 52973), (677, 52970), (684, 52934), (690, 52910), (696, 52877), (727, 52769), (729, 52763), (732, 52754), (765, 52655), (766, 52652), (771, 52637), (796, 52559), (800, 52547), (806, 52526), (808, 52517), (822, 52487), (840, 52457), (852, 52430), (857, 52397), (864, 52373), (879, 52334), (882, 52316), (884, 52304), (892, 52280), (908, 52238), (911, 52232), (922, 52208),

Gene: Mkhuseleli_44 Start: 34107, Stop: 32281, Start Num: 229

Candidate Starts for Mkhuseleli_44:

(Start: 229 @34107 has 918 MA's), (347, 33894), (354, 33879), (394, 33801), (400, 33780), (402, 33774), (404, 33765), (440, 33648), (448, 33621), (500, 33528), (504, 33513), (516, 33480), (539, 33429), (540, 33426), (566, 33360), (580, 33330), (592, 33300), (614, 33255), (635, 33216), (695, 33036), (704, 33006), (705, 32988), (719, 32949), (735, 32883), (765, 32802), (766, 32799), (792, 32718), (853, 32568), (854, 32565), (861, 32529), (870, 32505), (874, 32496), (878, 32484), (898, 32409), (909, 32388),

Gene: MmasiCarm_59 Start: 54089, Stop: 52272, Start Num: 238

Candidate Starts for MmasiCarm_59:

(124, 54272), (Start: 238 @54089 has 44 MA's), (253, 54059), (347, 53879), (408, 53726), (412, 53714), (422, 53684), (426, 53678), (445, 53615), (447, 53609), (486, 53558), (498, 53531), (499, 53522), (516, 53474), (557, 53369), (596, 53273), (627, 53222), (676, 53078), (684, 53039), (691, 53009), (696, 52982), (700, 52970), (727, 52874), (729, 52868), (732, 52859), (734, 52847), (759, 52775), (765, 52745), (771, 52727), (773, 52718), (796, 52649), (800, 52637), (806, 52616), (840, 52547), (849, 52532), (854, 52508), (857, 52487), (862, 52469), (864, 52463), (877, 52430), (879, 52424), (882, 52406), (884, 52394), (888, 52382), (892, 52370), (908, 52328), (922, 52298),

Gene: Molivia_56 Start: 35308, Stop: 33140, Start Num: 218

Candidate Starts for Molivia_56:

(Start: 218 @35308 has 13 MA's), (Start: 243 @35281 has 2 MA's), (253, 35254), (291, 35170), (332, 35062), (340, 35044), (341, 35041), (354, 35017), (374, 34981), (377, 34975), (386, 34951), (390, 34942), (403, 34885), (406, 34876), (410, 34864), (417, 34846), (418, 34843), (461, 34693), (462, 34690), (467, 34651), (523, 34456), (527, 34444), (546, 34393), (548, 34387), (555, 34372), (559, 34357), (574, 34330), (634, 34174), (644, 34150), (691, 33988), (703, 33940), (709, 33907), (718, 33883), (729, 33841), (744, 33766), (760, 33706), (783, 33628), (786, 33622), (797, 33589), (819, 33526), (822, 33520), (837, 33481), (853, 33433), (859, 33403), (876, 33349), (879, 33340), (889, 33298), (895, 33280), (898, 33268), (905, 33244), (911, 33229), (925, 33187),

Gene: Molly_45 Start: 33982, Stop: 32153, Start Num: 229

Candidate Starts for Molly_45:

(Start: 229 @33982 has 918 MA's), (347, 33769), (354, 33754), (382, 33706), (394, 33676), (400, 33655), (402, 33649), (404, 33640), (440, 33523), (448, 33496), (500, 33403), (504, 33388), (511, 33367), (539, 33304), (540, 33301), (566, 33235), (592, 33175), (614, 33130), (635, 33091), (695, 32911), (705, 32863), (723, 32815), (732, 32776), (735, 32758), (745, 32719), (758, 32698), (765,

32677), (770, 32662), (808, 32539), (875, 32368), (880, 32344), (895, 32296), (898, 32284), (909, 32263), (912, 32257), (928, 32209), (935, 32194),

Gene: MonChoix_37 Start: 28950, Stop: 27082, Start Num: 270

Candidate Starts for MonChoix_37:

(164, 29115), (192, 29070), (Start: 227 @29025 has 8 MA's), (Start: 270 @28950 has 147 MA's), (Start: 276 @28941 has 5 MA's), (405, 28683), (407, 28677), (412, 28662), (415, 28656), (456, 28524), (471, 28470), (493, 28383), (498, 28374), (500, 28362), (508, 28335), (509, 28332), (514, 28317), (516, 28311), (521, 28299), (670, 27981), (731, 27759), (732, 27756), (735, 27738), (746, 27696), (773, 27606), (781, 27579), (820, 27447), (834, 27417), (836, 27408), (854, 27348), (858, 27324), (860, 27318), (870, 27285), (879, 27252), (880, 27240),

Gene: Monet_48 Start: 36234, Stop: 34408, Start Num: 229

Candidate Starts for Monet_48:

(Start: 229 @36234 has 918 MA's), (347, 36021), (354, 36006), (394, 35928), (400, 35907), (402, 35901), (404, 35892), (440, 35775), (448, 35748), (500, 35655), (504, 35640), (539, 35556), (540, 35553), (566, 35487), (580, 35457), (592, 35427), (614, 35382), (635, 35343), (695, 35163), (705, 35115), (719, 35076), (735, 35010), (745, 34971), (758, 34950), (765, 34929), (771, 34911), (792, 34845), (853, 34695), (854, 34692), (861, 34656), (870, 34632), (878, 34611), (883, 34584), (898, 34536), (909, 34515),

Gene: MoneyMay_48 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for MoneyMay_48:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (639, 30952), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Moose_44 Start: 34479, Stop: 32653, Start Num: 229

Candidate Starts for Moose_44:

(Start: 229 @34479 has 918 MA's), (347, 34266), (354, 34251), (394, 34173), (400, 34152), (402, 34146), (404, 34137), (440, 34020), (448, 33993), (500, 33900), (504, 33885), (511, 33864), (516, 33852), (539, 33801), (540, 33798), (566, 33732), (580, 33702), (592, 33672), (614, 33627), (635, 33588), (695, 33408), (705, 33360), (719, 33321), (735, 33255), (745, 33216), (758, 33195), (765, 33174), (771, 33156), (792, 33090), (853, 32940), (854, 32937), (861, 32901), (870, 32877), (874, 32868), (878, 32856), (898, 32781), (909, 32760),

Gene: Morgushi_60 Start: 54022, Stop: 52163, Start Num: 197

Candidate Starts for Morgushi_60:

(Start: 175 @54046 has 5 MA's), (Start: 197 @54022 has 267 MA's), (Start: 231 @53998 has 5 MA's), (Start: 243 @53992 has 2 MA's), (260, 53950), (267, 53929), (316, 53815), (319, 53809), (337, 53779), (371, 53719), (381, 53698), (399, 53644), (403, 53632), (409, 53614), (413, 53602), (445, 53497), (486, 53440), (499, 53404), (502, 53392), (512, 53365), (531, 53320), (553, 53263), (556, 53254), (557, 53251), (690, 52891), (696, 52858), (702, 52837), (729, 52744), (732, 52735), (747, 52672), (765, 52636), (766, 52633), (771, 52618), (796, 52540), (800, 52528), (806, 52507), (822, 52468), (857, 52378), (862, 52360), (864, 52354), (870, 52339), (879, 52315), (881, 52300), (882, 52297), (884, 52285), (892, 52261), (911, 52213), (922, 52189),

Gene: Morpher26_44 Start: 31543, Stop: 29714, Start Num: 229

Candidate Starts for Morpher26_44:

(Start: 229 @31543 has 918 MA's), (261, 31492), (273, 31462), (365, 31300), (376, 31282), (382, 31267), (402, 31210), (404, 31201), (441, 31081), (448, 31057), (483, 31015), (500, 30964), (517, 30916), (528, 30895), (543, 30856), (560, 30811), (564, 30805), (598, 30724), (611, 30703), (635, 30658), (692, 30493), (695, 30472), (735, 30319), (745, 30280), (766, 30208), (771, 30193), (777, 30169), (783, 30151), (786, 30145), (788, 30139), (857, 29938), (898, 29803), (903, 29791), (909, 29782),

Gene: Morrigan_40 Start: 28385, Stop: 26493, Start Num: 270

Candidate Starts for Morrigan_40:

(Start: 270 @28385 has 147 MA's), (Start: 276 @28376 has 5 MA's), (309, 28319), (321, 28289), (336, 28265), (344, 28250), (353, 28235), (357, 28229), (368, 28211), (384, 28178), (412, 28100), (415, 28094), (474, 27893), (498, 27809), (500, 27797), (509, 27767), (514, 27752), (516, 27746), (518, 27740), (521, 27734), (522, 27731), (656, 27464), (672, 27413), (688, 27347), (735, 27146), (746, 27104), (757, 27074), (762, 27053), (773, 27017), (791, 26945), (836, 26819), (854, 26759), (858, 26735), (861, 26723), (896, 26591),

Gene: Morrissey_47 Start: 37547, Stop: 35145, Start Num: 4

Candidate Starts for Morrissey_47:

(Start: 4 @37547 has 5 MA's), (24, 37442), (28, 37418), (43, 37364), (51, 37337), (52, 37334), (64, 37292), (65, 37289), (78, 37244), (85, 37223), (99, 37199), (109, 37160), (119, 37145), (125, 37121), (131, 37112), (134, 37106), (Start: 162 @37043 has 2 MA's), (170, 37031), (207, 36977), (273, 36869), (298, 36842), (303, 36821), (380, 36677), (398, 36623), (399, 36620), (401, 36614), (412, 36584), (418, 36569), (437, 36512), (443, 36491), (445, 36485), (448, 36476), (499, 36395), (521, 36332), (537, 36299), (547, 36272), (557, 36242), (570, 36212), (627, 36092), (628, 36083), (671, 35966), (676, 35948), (682, 35918), (684, 35909), (690, 35885), (696, 35852), (723, 35771), (727, 35747), (729, 35741), (747, 35669), (763, 35642), (771, 35615), (777, 35591), (796, 35537), (800, 35525), (846, 35414), (848, 35411), (881, 35285), (882, 35282), (888, 35258), (892, 35246), (911, 35195), (922, 35171), (925, 35150),

Gene: Morrow_46 Start: 31576, Stop: 29750, Start Num: 229

Candidate Starts for Morrow_46:

(Start: 229 @31576 has 918 MA's), (250, 31555), (261, 31525), (273, 31495), (365, 31333), (376, 31315), (402, 31243), (404, 31234), (441, 31114), (448, 31090), (500, 30997), (517, 30949), (528, 30928), (543, 30889), (598, 30757), (611, 30736), (635, 30691), (640, 30679), (692, 30526), (695, 30505), (728, 30382), (735, 30352), (745, 30313), (765, 30247), (766, 30244), (771, 30229), (777, 30205), (786, 30181), (857, 29974), (898, 29839), (903, 29827), (909, 29818),

Gene: Mortcellus_58 Start: 54744, Stop: 52927, Start Num: 238

Candidate Starts for Mortcellus_58:

(124, 54927), (Start: 238 @54744 has 44 MA's), (253, 54714), (347, 54534), (408, 54381), (412, 54369), (422, 54339), (426, 54333), (445, 54270), (447, 54264), (486, 54213), (498, 54186), (499, 54177), (516, 54129), (557, 54024), (596, 53928), (627, 53877), (676, 53733), (684, 53694), (691, 53664), (696, 53637), (700, 53625), (727, 53529), (729, 53523), (732, 53514), (734, 53502), (759, 53430), (765, 53400), (771, 53382), (773, 53373), (796, 53304), (800, 53292), (806, 53271), (840, 53202), (849, 53187), (854, 53163), (857, 53142), (864, 53118), (879, 53079), (882, 53061), (884, 53049), (888, 53037), (892, 53025), (908, 52983), (922, 52953),

Gene: Morty_61 Start: 54544, Stop: 52685, Start Num: 197

Candidate Starts for Morty_61:

(Start: 175 @54568 has 5 MA's), (Start: 197 @54544 has 267 MA's), (Start: 231 @54520 has 5 MA's), (Start: 243 @54514 has 2 MA's), (260, 54472), (267, 54451), (316, 54337), (319, 54331), (337, 54301), (371, 54241), (381, 54220), (399, 54166), (403, 54154), (409, 54136), (413, 54124), (445, 54019), (486, 53962), (499, 53926), (502, 53914), (511, 53890), (516, 53878), (524, 53860), (531,

53842), (539, 53824), (553, 53785), (556, 53776), (557, 53773), (558, 53770), (690, 53413), (696, 53380), (702, 53359), (729, 53266), (732, 53257), (747, 53194), (765, 53158), (766, 53155), (771, 53140), (796, 53062), (800, 53050), (806, 53029), (822, 52990), (857, 52900), (862, 52882), (864, 52876), (870, 52861), (879, 52837), (881, 52822), (882, 52819), (884, 52807), (892, 52783), (911, 52735), (922, 52711),

Gene: Morty007_58 Start: 54530, Stop: 52713, Start Num: 238

Candidate Starts for Morty007_58:

(64, 54914), (124, 54713), (Start: 238 @54530 has 44 MA's), (253, 54500), (347, 54320), (408, 54167), (412, 54155), (422, 54125), (426, 54119), (445, 54056), (447, 54050), (486, 53999), (499, 53963), (516, 53915), (557, 53810), (596, 53714), (627, 53663), (676, 53519), (684, 53480), (691, 53450), (696, 53423), (700, 53411), (727, 53315), (729, 53309), (732, 53300), (734, 53288), (759, 53216), (765, 53186), (771, 53168), (773, 53159), (796, 53090), (800, 53078), (806, 53057), (840, 52988), (849, 52973), (854, 52949), (864, 52904), (879, 52865), (882, 52847), (884, 52835), (888, 52823), (892, 52811), (908, 52769), (922, 52739),

Gene: Mosaic_59 Start: 54027, Stop: 52168, Start Num: 197

Candidate Starts for Mosaic_59:

(Start: 175 @54051 has 5 MA's), (Start: 197 @54027 has 267 MA's), (Start: 231 @54003 has 5 MA's), (Start: 243 @53997 has 2 MA's), (260, 53955), (267, 53934), (316, 53820), (319, 53814), (337, 53784), (371, 53724), (381, 53703), (399, 53649), (403, 53637), (409, 53619), (413, 53607), (445, 53502), (486, 53445), (499, 53409), (502, 53397), (512, 53370), (531, 53325), (553, 53268), (556, 53259), (557, 53256), (690, 52896), (696, 52863), (702, 52842), (729, 52749), (732, 52740), (747, 52677), (765, 52641), (766, 52638), (771, 52623), (796, 52545), (800, 52533), (806, 52512), (822, 52473), (857, 52383), (862, 52365), (864, 52359), (870, 52344), (879, 52320), (881, 52305), (882, 52302), (884, 52290), (892, 52266), (911, 52218), (922, 52194),

Gene: MossRose_53 Start: 47650, Stop: 45833, Start Num: 236

Candidate Starts for MossRose_53:

(Start: 236 @47650 has 14 MA's), (Start: 243 @47641 has 2 MA's), (253, 47614), (258, 47602), (267, 47578), (273, 47569), (343, 47431), (362, 47395), (395, 47320), (420, 47245), (445, 47167), (486, 47110), (499, 47074), (502, 47062), (511, 47038), (549, 46945), (557, 46921), (565, 46903), (676, 46630), (684, 46591), (691, 46561), (696, 46534), (727, 46426), (729, 46420), (732, 46411), (763, 46321), (765, 46312), (766, 46309), (767, 46306), (771, 46294), (796, 46216), (800, 46204), (801, 46198), (806, 46183), (827, 46135), (852, 46087), (857, 46054), (864, 46030), (879, 45991), (881, 45976), (892, 45931), (922, 45859),

Gene: Moss_45 Start: 27679, Stop: 29661, Start Num: 229

Candidate Starts for Moss_45:

(Start: 229 @27679 has 918 MA's), (327, 27853), (341, 27883), (368, 27916), (383, 27949), (408, 28024), (417, 28051), (483, 28252), (543, 28426), (611, 28582), (669, 28720), (689, 28807), (695, 28840), (704, 28870), (719, 28927), (735, 28993), (764, 29086), (857, 29353), (864, 29377), (898, 29488),

Gene: MrGordo_44 Start: 34016, Stop: 32190, Start Num: 229

Candidate Starts for MrGordo_44:

(Start: 229 @34016 has 918 MA's), (347, 33803), (354, 33788), (382, 33740), (394, 33710), (400, 33689), (402, 33683), (404, 33674), (440, 33557), (448, 33530), (500, 33437), (504, 33422), (516, 33389), (539, 33338), (540, 33335), (566, 33269), (580, 33239), (592, 33209), (614, 33164), (635, 33125), (695, 32945), (705, 32897), (719, 32858), (735, 32792), (745, 32753), (758, 32732), (765, 32711), (771, 32693), (792, 32627), (853, 32477), (854, 32474), (861, 32438), (870, 32414), (874, 32405), (878, 32393), (883, 32366), (898, 32318), (909, 32297),

Gene: MrPhizzler_61 Start: 54490, Stop: 52631, Start Num: 197

Candidate Starts for MrPhizzler_61:

(Start: 175 @54514 has 5 MA's), (Start: 197 @54490 has 267 MA's), (Start: 231 @54466 has 5 MA's), (Start: 243 @54460 has 2 MA's), (260, 54418), (267, 54397), (316, 54283), (319, 54277), (337, 54247), (371, 54187), (381, 54166), (399, 54112), (403, 54100), (409, 54082), (413, 54070), (445, 53965), (486, 53908), (499, 53872), (502, 53860), (511, 53836), (516, 53824), (524, 53806), (531, 53788), (539, 53770), (553, 53731), (556, 53722), (557, 53719), (558, 53716), (664, 53461), (690, 53359), (696, 53326), (702, 53305), (729, 53212), (732, 53203), (747, 53140), (765, 53104), (766, 53101), (771, 53086), (796, 53008), (800, 52996), (806, 52975), (822, 52936), (857, 52846), (862, 52828), (864, 52822), (870, 52807), (879, 52783), (881, 52768), (882, 52765), (884, 52753), (892, 52729), (898, 52708), (911, 52681), (922, 52657),

Gene: MrWorldwide_39 Start: 28937, Stop: 27072, Start Num: 270

Candidate Starts for MrWorldwide_39:

(Start: 216 @29024 has 3 MA's), (219, 29021), (Start: 270 @28937 has 147 MA's), (Start: 276 @28928 has 5 MA's), (333, 28823), (336, 28814), (353, 28784), (355, 28781), (408, 28661), (412, 28649), (415, 28643), (449, 28538), (456, 28511), (493, 28370), (497, 28364), (498, 28361), (500, 28349), (508, 28322), (509, 28319), (514, 28304), (516, 28298), (518, 28292), (531, 28259), (602, 28130), (629, 28070), (728, 27755), (731, 27746), (732, 27743), (735, 27725), (746, 27683), (748, 27677), (751, 27668), (756, 27653), (773, 27596), (820, 27437), (834, 27407), (836, 27398), (854, 27338), (858, 27314), (870, 27275), (879, 27242), (880, 27230), (896, 27170),

Gene: Mryolo_42 Start: 33954, Stop: 32128, Start Num: 229

Candidate Starts for Mryolo_42:

(Start: 229 @33954 has 918 MA's), (347, 33741), (382, 33678), (394, 33648), (400, 33627), (402, 33621), (404, 33612), (440, 33495), (448, 33468), (500, 33375), (504, 33360), (516, 33327), (539, 33276), (540, 33273), (566, 33207), (580, 33177), (592, 33147), (614, 33102), (635, 33063), (695, 32883), (705, 32835), (719, 32796), (735, 32730), (745, 32691), (758, 32670), (765, 32649), (771, 32631), (792, 32565), (853, 32415), (854, 32412), (861, 32376), (870, 32352), (874, 32343), (878, 32331), (883, 32304), (898, 32256), (909, 32235),

Gene: MuchMore_51 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for MuchMore_51:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614, 30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: Muddy_44 Start: 34756, Stop: 32411, Start Num: 59

Candidate Starts for Muddy_44:

(Start: 38 @34822 has 1 MA's), (44, 34813), (Start: 55 @34768 has 1 MA's), (Start: 59 @34756 has 1 MA's), (Start: 70 @34717 has 1 MA's), (121, 34558), (136, 34528), (156, 34498), (264, 34330), (333, 34210), (384, 34108), (412, 34027), (432, 33967), (455, 33901), (489, 33769), (544, 33649), (547, 33640), (565, 33628), (612, 33559), (688, 33346), (699, 33292), (721, 33211), (728, 33178), (744, 33112), (746, 33106), (748, 33100), (750, 33094), (757, 33070), (766, 33037), (771, 33022), (773, 33013), (820, 32854), (834, 32824), (857, 32734), (887, 32614), (896, 32587), (920, 32518),

Gene: Mudpuppy_38 Start: 29455, Stop: 31320, Start Num: 229

Candidate Starts for Mudpuppy_38:

(Start: 229 @29455 has 918 MA's), (260, 29503), (394, 29752), (421, 29842), (501, 30049), (504, 30058), (540, 30148), (543, 30157), (548, 30172), (567, 30217), (588, 30262), (611, 30310), (640,

30367), (669, 30448), (689, 30535), (695, 30568), (704, 30598), (719, 30655), (735, 30721), (741, 30745), (764, 30814), (786, 30886), (789, 30895), (825, 30994), (853, 31057), (857, 31081), (891, 31192), (898, 31216), (902, 31225),

Gene: Mudslide_53 Start: 54263, Stop: 52440, Start Num: 189

Candidate Starts for Mudslide_53:

(Start: 175 @54281 has 5 MA's), (Start: 189 @54263 has 57 MA's), (Start: 243 @54239 has 2 MA's), (253, 54212), (260, 54197), (267, 54176), (308, 54089), (368, 53984), (386, 53942), (409, 53876), (420, 53846), (422, 53837), (425, 53834), (426, 53831), (434, 53804), (486, 53711), (493, 53693), (499, 53675), (502, 53663), (508, 53648), (512, 53636), (539, 53573), (553, 53534), (556, 53525), (557, 53522), (570, 53492), (586, 53456), (676, 53231), (677, 53228), (684, 53192), (690, 53168), (696, 53135), (727, 53027), (729, 53021), (732, 53012), (765, 52913), (766, 52910), (771, 52895), (796, 52817), (800, 52805), (806, 52784), (808, 52775), (822, 52745), (852, 52688), (857, 52655), (862, 52637), (864, 52631), (879, 52592), (882, 52574), (884, 52562), (892, 52538), (908, 52496), (911, 52490), (922, 52466),

Gene: Mulan_60 Start: 54261, Stop: 52402, Start Num: 197

Candidate Starts for Mulan_60:

(Start: 175 @54285 has 5 MA's), (Start: 197 @54261 has 267 MA's), (Start: 231 @54237 has 5 MA's), (Start: 243 @54231 has 2 MA's), (260, 54189), (267, 54168), (316, 54054), (319, 54048), (337, 54018), (371, 53958), (381, 53937), (399, 53883), (403, 53871), (409, 53853), (413, 53841), (445, 53736), (486, 53679), (499, 53643), (502, 53631), (512, 53604), (524, 53577), (531, 53559), (539, 53541), (553, 53502), (556, 53493), (557, 53490), (664, 53232), (690, 53130), (696, 53097), (702, 53076), (729, 52983), (732, 52974), (747, 52911), (765, 52875), (766, 52872), (771, 52857), (796, 52779), (800, 52767), (806, 52746), (822, 52707), (857, 52617), (862, 52599), (864, 52593), (870, 52578), (879, 52554), (881, 52539), (882, 52536), (884, 52524), (892, 52500), (911, 52452), (922, 52428),

Gene: Mulciber_44 Start: 30327, Stop: 28540, Start Num: 229

Candidate Starts for Mulciber_44:

(Start: 229 @30327 has 918 MA's), (341, 30123), (382, 30051), (394, 30021), (402, 29994), (501, 29742), (519, 29691), (553, 29610), (575, 29565), (611, 29481), (640, 29424), (667, 29382), (678, 29337), (695, 29256), (707, 29205), (719, 29169), (735, 29103), (758, 29043), (763, 29031), (795, 28929), (802, 28905), (807, 28887), (840, 28824), (852, 28797), (853, 28788), (857, 28764), (898, 28629), (903, 28617), (909, 28608),

Gene: Mule_42 Start: 32266, Stop: 30440, Start Num: 229

Candidate Starts for Mule_42:

(Start: 229 @32266 has 918 MA's), (347, 32053), (354, 32038), (394, 31960), (400, 31939), (402, 31933), (404, 31924), (429, 31840), (440, 31807), (448, 31780), (500, 31687), (504, 31672), (511, 31651), (516, 31639), (539, 31588), (540, 31585), (566, 31519), (580, 31489), (592, 31459), (614, 31414), (635, 31375), (695, 31195), (705, 31147), (719, 31108), (735, 31042), (765, 30961), (766, 30958), (792, 30877), (853, 30727), (854, 30724), (861, 30688), (874, 30655), (878, 30643), (890, 30595), (898, 30568), (909, 30547),

Gene: Munch_45 Start: 30776, Stop: 28989, Start Num: 229

Candidate Starts for Munch_45:

(Start: 229 @30776 has 918 MA's), (341, 30572), (382, 30500), (394, 30470), (402, 30443), (501, 30191), (519, 30140), (553, 30059), (575, 30014), (640, 29873), (667, 29831), (678, 29786), (695, 29705), (707, 29654), (719, 29618), (735, 29552), (758, 29492), (763, 29480), (795, 29378), (802, 29354), (807, 29336), (840, 29273), (852, 29246), (853, 29237), (857, 29213), (898, 29078), (903, 29066), (909, 29057),

Gene: Mundrea_44 Start: 31530, Stop: 29701, Start Num: 229

Candidate Starts for Mundrea_44:

(Start: 229 @31530 has 918 MA's), (261, 31479), (273, 31449), (365, 31287), (376, 31269), (382, 31254), (402, 31197), (404, 31188), (441, 31068), (448, 31044), (500, 30951), (517, 30903), (528, 30882), (543, 30843), (560, 30798), (598, 30711), (603, 30702), (611, 30690), (635, 30645), (640, 30633), (695, 30459), (723, 30363), (728, 30336), (729, 30333), (735, 30306), (742, 30276), (745, 30267), (765, 30198), (766, 30195), (771, 30180), (777, 30156), (786, 30132), (788, 30126), (857, 29925), (898, 29790), (903, 29778), (909, 29769),

Gene: MunkgeeRoachy_41 Start: 31903, Stop: 29510, Start Num: 32

Candidate Starts for MunkgeeRoachy_41:

(Start: 32 @31903 has 16 MA's), (Start: 55 @31849 has 1 MA's), (66, 31807), (76, 31783), (116, 31657), (121, 31633), (156, 31588), (186, 31537), (198, 31522), (211, 31501), (251, 31453), (266, 31411), (311, 31336), (315, 31324), (352, 31255), (371, 31222), (379, 31207), (398, 31153), (399, 31150), (405, 31132), (412, 31111), (417, 31096), (432, 31051), (469, 30928), (470, 30922), (489, 30853), (500, 30811), (547, 30724), (570, 30700), (586, 30694), (594, 30670), (599, 30661), (606, 30646), (612, 30634), (633, 30592), (634, 30589), (635, 30586), (674, 30490), (685, 30439), (688, 30427), (701, 30370), (702, 30364), (712, 30328), (726, 30271), (735, 30235), (744, 30199), (746, 30193), (748, 30187), (750, 30181), (766, 30124), (773, 30100), (783, 30055), (830, 29920), (895, 29677), (896, 29674), (910, 29629), (914, 29620), (935, 29560),

Gene: Murdoc_59 Start: 54023, Stop: 52164, Start Num: 197

Candidate Starts for Murdoc_59:

(Start: 175 @54047 has 5 MA's), (Start: 197 @54023 has 267 MA's), (Start: 231 @53999 has 5 MA's), (Start: 243 @53993 has 2 MA's), (260, 53951), (267, 53930), (316, 53816), (319, 53810), (337, 53780), (371, 53720), (381, 53699), (399, 53645), (403, 53633), (409, 53615), (413, 53603), (445, 53498), (486, 53441), (499, 53405), (502, 53393), (512, 53366), (524, 53339), (531, 53321), (539, 53303), (553, 53264), (556, 53255), (557, 53252), (558, 53249), (690, 52892), (696, 52859), (702, 52838), (729, 52745), (732, 52736), (747, 52673), (765, 52637), (766, 52634), (771, 52619), (796, 52541), (800, 52529), (806, 52508), (822, 52469), (857, 52379), (862, 52361), (864, 52355), (870, 52340), (879, 52316), (881, 52301), (882, 52298), (884, 52286), (892, 52262), (911, 52214), (922, 52190),

Gene: Museum_45 Start: 34023, Stop: 32197, Start Num: 229

Candidate Starts for Museum_45:

(Start: 229 @34023 has 918 MA's), (347, 33810), (354, 33795), (382, 33747), (394, 33717), (400, 33696), (402, 33690), (404, 33681), (440, 33564), (448, 33537), (500, 33444), (504, 33429), (516, 33396), (539, 33345), (540, 33342), (566, 33276), (580, 33246), (592, 33216), (614, 33171), (635, 33132), (695, 32952), (705, 32904), (719, 32865), (735, 32799), (745, 32760), (758, 32739), (765, 32718), (771, 32700), (792, 32634), (853, 32484), (854, 32481), (861, 32445), (870, 32421), (874, 32412), (878, 32400), (898, 32325), (909, 32304),

Gene: Mutante_60 Start: 54033, Stop: 52174, Start Num: 197

Candidate Starts for Mutante_60:

(Start: 175 @54057 has 5 MA's), (Start: 197 @54033 has 267 MA's), (Start: 231 @54009 has 5 MA's), (Start: 243 @54003 has 2 MA's), (260, 53961), (267, 53940), (316, 53826), (319, 53820), (337, 53790), (371, 53730), (381, 53709), (399, 53655), (403, 53643), (409, 53625), (413, 53613), (445, 53508), (486, 53451), (499, 53415), (502, 53403), (512, 53376), (524, 53349), (531, 53331), (553, 53274), (556, 53265), (557, 53262), (690, 52902), (696, 52869), (702, 52848), (729, 52755), (732, 52746), (747, 52683), (766, 52644), (771, 52629), (796, 52551), (800, 52539), (806, 52518), (822, 52479), (854, 52410), (857, 52389), (862, 52371), (864, 52365), (870, 52350), (879, 52326), (881, 52311), (882, 52308), (884, 52296), (892, 52272), (911, 52224), (922, 52200),

Gene: MyraDee_40 Start: 28864, Stop: 27056, Start Num: 229

Candidate Starts for MyraDee_40:

(Start: 229 @28864 has 918 MA's), (255, 28825), (261, 28813), (325, 28693), (365, 28621), (402, 28531), (404, 28522), (418, 28480), (423, 28462), (432, 28429), (433, 28426), (441, 28402), (448, 28378), (498, 28297), (500, 28285), (508, 28258), (514, 28240), (543, 28174), (560, 28129), (579, 28093), (592, 28060), (603, 28033), (614, 28015), (650, 27949), (668, 27919), (695, 27796), (705, 27748), (735, 27643), (745, 27604), (766, 27535), (777, 27496), (792, 27454), (801, 27424), (862, 27262), (898, 27145), (903, 27133), (909, 27124),

Gene: Mysterious_58 Start: 54574, Stop: 52745, Start Num: 189

Candidate Starts for Mysterious_58:

(Start: 189 @54574 has 57 MA's), (224, 54553), (Start: 242 @54544 has 4 MA's), (253, 54517), (260, 54502), (381, 54277), (398, 54226), (408, 54199), (413, 54184), (420, 54166), (425, 54154), (436, 54118), (445, 54088), (499, 53995), (502, 53983), (503, 53980), (511, 53959), (512, 53956), (516, 53947), (524, 53929), (549, 53866), (557, 53842), (603, 53737), (655, 53614), (673, 53563), (676, 53551), (677, 53548), (679, 53530), (684, 53512), (691, 53482), (696, 53455), (711, 53404), (729, 53341), (732, 53332), (759, 53248), (766, 53215), (771, 53200), (790, 53140), (796, 53122), (800, 53110), (806, 53089), (808, 53080), (810, 53077), (857, 52960), (862, 52942), (864, 52936), (879, 52897), (880, 52885), (881, 52882), (884, 52867), (888, 52855), (892, 52843), (908, 52801), (912, 52792), (922, 52771), (925, 52750),

Gene: Mysterium_39 Start: 27509, Stop: 29491, Start Num: 229

Candidate Starts for Mysterium_39:

(Start: 229 @27509 has 918 MA's), (327, 27683), (341, 27713), (368, 27746), (383, 27779), (408, 27854), (417, 27881), (447, 27983), (483, 28082), (543, 28256), (553, 28283), (611, 28412), (669, 28550), (689, 28637), (695, 28670), (704, 28700), (719, 28757), (735, 28823), (764, 28916), (791, 29003), (857, 29183), (864, 29207), (898, 29318), (944, 29426),

Gene: Myxus_45 Start: 31483, Stop: 29690, Start Num: 229

Candidate Starts for Myxus_45:

(Start: 229 @31483 has 918 MA's), (Start: 244 @31474 has 1 MA's), (261, 31432), (325, 31312), (327, 31309), (350, 31261), (383, 31201), (395, 31171), (398, 31159), (402, 31147), (448, 30994), (500, 30901), (553, 30763), (566, 30733), (640, 30574), (649, 30562), (666, 30535), (692, 30427), (695, 30406), (732, 30271), (735, 30253), (765, 30172), (777, 30130), (802, 30055), (837, 29980), (853, 29938), (881, 29836), (898, 29779), (903, 29767), (909, 29758),

Gene: NEHalo_43 Start: 34014, Stop: 32185, Start Num: 229

Candidate Starts for NEHalo_43:

(Start: 229 @34014 has 918 MA's), (347, 33801), (382, 33738), (394, 33708), (400, 33687), (402, 33681), (404, 33672), (440, 33555), (448, 33528), (500, 33435), (504, 33420), (516, 33387), (539, 33336), (540, 33333), (560, 33279), (566, 33267), (580, 33237), (592, 33207), (614, 33162), (635, 33123), (695, 32943), (705, 32895), (723, 32847), (732, 32808), (735, 32790), (745, 32751), (758, 32730), (765, 32709), (770, 32694), (808, 32571), (823, 32538), (875, 32400), (880, 32376), (895, 32328), (898, 32316), (909, 32295), (912, 32289), (928, 32241), (935, 32226),

Gene: NHagos_52 Start: 46533, Stop: 44725, Start Num: 236

Candidate Starts for NHagos_52:

(Start: 236 @46533 has 14 MA's), (Start: 243 @46524 has 2 MA's), (258, 46485), (260, 46482), (267, 46461), (273, 46452), (291, 46416), (316, 46356), (343, 46314), (365, 46272), (408, 46164), (413, 46149), (420, 46131), (426, 46116), (445, 46053), (486, 45996), (499, 45960), (502, 45948), (549, 45831), (553, 45819), (557, 45807), (565, 45789), (567, 45783), (676, 45516), (677, 45513), (691, 45447), (696, 45420), (715, 45363), (727, 45312), (729, 45306), (732, 45297), (747, 45234), (766, 45195), (771, 45180), (796, 45102), (800, 45090), (806, 45069), (808, 45060), (822, 45030), (852,

44973), (879, 44877), (882, 44859), (892, 44823), (911, 44775), (922, 44751),

Gene: NaSiaTalie_44 Start: 31357, Stop: 29570, Start Num: 229

Candidate Starts for NaSiaTalie_44:

(Start: 229 @31357 has 918 MA's), (341, 31153), (343, 31150), (347, 31144), (365, 31114), (382, 31081), (383, 31078), (394, 31051), (402, 31024), (418, 30973), (448, 30871), (500, 30778), (516, 30730), (519, 30721), (528, 30706), (553, 30640), (588, 30559), (611, 30511), (678, 30367), (695, 30286), (707, 30235), (718, 30202), (735, 30133), (745, 30094), (758, 30073), (765, 30052), (769, 30040), (837, 29860), (840, 29854), (853, 29818), (857, 29794), (881, 29716), (898, 29659), (903, 29647),

Gene: Naca_39 Start: 30726, Stop: 28828, Start Num: 195

Candidate Starts for Naca_39:

(Start: 195 @30726 has 2 MA's), (Start: 229 @30693 has 918 MA's), (296, 30582), (341, 30489), (343, 30486), (382, 30417), (383, 30414), (394, 30387), (402, 30360), (404, 30351), (429, 30267), (437, 30243), (448, 30207), (489, 30147), (500, 30111), (516, 30063), (527, 30042), (528, 30039), (550, 29979), (586, 29901), (607, 29853), (614, 29841), (639, 29793), (664, 29742), (695, 29607), (705, 29559), (714, 29541), (719, 29520), (723, 29511), (729, 29481), (735, 29454), (736, 29451), (765, 29373), (771, 29355), (786, 29307), (802, 29256), (823, 29202), (828, 29193), (840, 29175), (862, 29097), (891, 29004), (898, 28980), (903, 28968), (947, 28863),

Gene: Nacho_0062 Start: 54781, Stop: 52922, Start Num: 197

Candidate Starts for Nacho_0062:

(Start: 175 @54805 has 5 MA's), (Start: 197 @54781 has 267 MA's), (Start: 231 @54757 has 5 MA's), (Start: 243 @54751 has 2 MA's), (260, 54709), (267, 54688), (316, 54574), (319, 54568), (337, 54538), (371, 54478), (381, 54457), (399, 54403), (403, 54391), (409, 54373), (413, 54361), (445, 54256), (486, 54199), (499, 54163), (502, 54151), (512, 54124), (524, 54097), (531, 54079), (539, 54061), (553, 54022), (556, 54013), (557, 54010), (664, 53752), (690, 53650), (696, 53617), (702, 53596), (729, 53503), (732, 53494), (747, 53431), (765, 53395), (766, 53392), (771, 53377), (796, 53299), (800, 53287), (806, 53266), (822, 53227), (857, 53137), (862, 53119), (864, 53113), (870, 53098), (879, 53074), (881, 53059), (882, 53056), (884, 53044), (892, 53020), (911, 52972), (922, 52948),

Gene: Nagem_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Nagem_39:

(Start: 216 @29017 has 3 MA's), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (602, 28123), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Naiad_36 Start: 28126, Stop: 26342, Start Num: 229

Candidate Starts for Naiad_36:

(Start: 229 @28126 has 918 MA's), (361, 27892), (378, 27862), (381, 27853), (382, 27850), (398, 27805), (402, 27793), (418, 27742), (448, 27640), (477, 27619), (500, 27547), (514, 27502), (516, 27499), (536, 27457), (538, 27451), (543, 27436), (553, 27409), (598, 27304), (603, 27295), (614, 27277), (615, 27274), (635, 27238), (695, 27058), (705, 27010), (735, 26905), (736, 26902), (758, 26845), (765, 26824), (804, 26701), (840, 26626), (853, 26590), (857, 26566), (881, 26488), (898, 26431), (903, 26419), (923, 26380), (925, 26362),

Gene: Naira_46 Start: 36492, Stop: 34705, Start Num: 229

Candidate Starts for Naira_46:

(Start: 229 @36492 has 918 MA's), (347, 36279), (354, 36264), (382, 36216), (394, 36186), (400, 36165), (402, 36159), (404, 36150), (440, 36033), (448, 36006), (500, 35913), (504, 35898), (539, 35814), (540, 35811), (566, 35745), (580, 35715), (592, 35685), (614, 35640), (635, 35601), (695, 35421), (705, 35373), (719, 35334), (735, 35268), (763, 35196), (765, 35187), (792, 35103), (823, 35016), (870, 34890), (875, 34878), (898, 34794), (901, 34788),

Gene: Naji_47 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for Naji_47:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649, 30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: Nanao_52 Start: 52988, Stop: 51165, Start Num: 189

Candidate Starts for Nanao_52:

(Start: 175 @53006 has 5 MA's), (Start: 189 @52988 has 57 MA's), (Start: 243 @52964 has 2 MA's), (253, 52937), (260, 52922), (267, 52901), (308, 52814), (368, 52709), (386, 52667), (409, 52601), (420, 52571), (422, 52562), (425, 52559), (426, 52556), (434, 52529), (486, 52436), (493, 52418), (499, 52400), (502, 52388), (508, 52373), (512, 52361), (556, 52250), (557, 52247), (570, 52217), (586, 52181), (676, 51956), (677, 51953), (684, 51917), (690, 51893), (696, 51860), (727, 51752), (729, 51746), (731, 51740), (732, 51737), (765, 51638), (766, 51635), (771, 51620), (796, 51542), (800, 51530), (806, 51509), (808, 51500), (822, 51470), (837, 51446), (852, 51413), (857, 51380), (862, 51362), (864, 51356), (879, 51317), (882, 51299), (884, 51287), (892, 51263), (908, 51221), (911, 51215), (922, 51191),

Gene: Nancinator_36 Start: 28114, Stop: 26330, Start Num: 229

Candidate Starts for Nancinator_36:

(Start: 229 @28114 has 918 MA's), (361, 27880), (378, 27850), (381, 27841), (382, 27838), (398, 27793), (402, 27781), (418, 27730), (448, 27628), (477, 27607), (500, 27535), (514, 27490), (516, 27487), (536, 27445), (538, 27439), (543, 27424), (553, 27397), (598, 27292), (603, 27283), (614, 27265), (635, 27226), (668, 27169), (695, 27046), (705, 26998), (735, 26893), (736, 26890), (758, 26833), (765, 26812), (779, 26764), (804, 26689), (837, 26620), (853, 26578), (857, 26554), (881, 26476), (898, 26419), (903, 26407), (909, 26398), (923, 26368), (925, 26350),

Gene: Nangang_58 Start: 54780, Stop: 52933, Start Num: 180

Candidate Starts for Nangang_58:

(144, 54846), (180, 54780), (Start: 242 @54732 has 4 MA's), (253, 54705), (277, 54654), (316, 54579), (371, 54486), (409, 54384), (425, 54342), (436, 54306), (445, 54276), (499, 54183), (511, 54147), (516, 54135), (524, 54117), (557, 54030), (603, 53925), (611, 53916), (655, 53802), (677, 53736), (679, 53718), (691, 53670), (696, 53643), (727, 53535), (729, 53529), (732, 53520), (736, 53499), (759, 53436), (766, 53403), (771, 53388), (790, 53328), (796, 53310), (800, 53298), (806, 53277), (808, 53268), (810, 53265), (816, 53253), (857, 53148), (864, 53124), (879, 53085), (881, 53070), (882, 53067), (888, 53043), (892, 53031), (893, 53028), (922, 52959),

Gene: Natosaleda_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for Natosaleda_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (635, 27225), (668, 27168), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758,

26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: Nattles_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for Nattles_38:

(Start: 216 @28706 has 3 MA's), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: NearlyHeadless_43 Start: 30653, Stop: 28809, Start Num: 229

Candidate Starts for NearlyHeadless_43:

(Start: 229 @30653 has 918 MA's), (261, 30602), (327, 30479), (341, 30449), (365, 30410), (382, 30377), (394, 30347), (400, 30326), (402, 30320), (404, 30311), (418, 30269), (432, 30218), (447, 30170), (448, 30167), (500, 30071), (508, 30044), (514, 30026), (519, 30014), (543, 29960), (553, 29933), (576, 29885), (598, 29828), (614, 29801), (640, 29750), (650, 29735), (692, 29588), (695, 29567), (704, 29537), (705, 29519), (707, 29516), (714, 29501), (719, 29480), (723, 29471), (728, 29444), (732, 29432), (735, 29414), (765, 29333), (769, 29321), (786, 29267), (798, 29231), (808, 29195), (823, 29162), (837, 29141), (840, 29135), (854, 29096), (857, 29075), (862, 29057), (898, 28940), (903, 28928),

Gene: Nebs_46 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Nebs_46:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Nebulosus_46 Start: 29739, Stop: 27949, Start Num: 229

Candidate Starts for Nebulosus_46:

(Start: 229 @29739 has 918 MA's), (327, 29565), (382, 29460), (383, 29457), (394, 29430), (402, 29403), (418, 29352), (448, 29250), (500, 29157), (514, 29112), (516, 29109), (519, 29100), (598, 28911), (635, 28845), (669, 28785), (678, 28746), (690, 28695), (695, 28665), (707, 28614), (718, 28581), (728, 28542), (735, 28512), (758, 28452), (765, 28431), (777, 28389), (787, 28362), (792, 28347), (823, 28260), (853, 28197), (854, 28194), (898, 28038), (903, 28026), (911, 28014),

Gene: Nebulous_37 Start: 30025, Stop: 28133, Start Num: 270

Candidate Starts for Nebulous_37:

(Start: 270 @30025 has 147 MA's), (296, 29980), (321, 29926), (326, 29920), (336, 29902), (355, 29869), (357, 29866), (384, 29815), (386, 29812), (413, 29734), (415, 29731), (430, 29683), (443, 29641), (474, 29539), (482, 29506), (493, 29464), (497, 29458), (498, 29455), (500, 29443), (509, 29413), (521, 29380), (522, 29377), (530, 29356), (610, 29209), (672, 29053), (735, 28786), (744, 28750), (746, 28744), (751, 28729), (771, 28666), (773, 28657), (858, 28375), (859, 28372), (870, 28336), (896, 28231),

Gene: Nedarya_43 Start: 29505, Stop: 27715, Start Num: 229

Candidate Starts for Nedarya_43:

(Start: 229 @29505 has 918 MA's), (347, 29292), (382, 29226), (383, 29223), (394, 29196), (402, 29169), (448, 29016), (500, 28923), (514, 28878), (516, 28875), (528, 28851), (614, 28650), (635,

28611), (669, 28551), (678, 28512), (692, 28452), (695, 28431), (707, 28380), (718, 28347), (728, 28308), (735, 28278), (758, 28218), (765, 28197), (788, 28125), (823, 28026), (853, 27963), (897, 27807), (898, 27804), (903, 27792),

Gene: Neeharika16_45 Start: 29638, Stop: 27797, Start Num: 229

Candidate Starts for Neeharika16_45:

(Start: 229 @29638 has 918 MA's), (341, 29434), (382, 29359), (383, 29356), (394, 29329), (398, 29314), (402, 29302), (418, 29251), (444, 29161), (448, 29149), (500, 29056), (512, 29017), (519, 28999), (528, 28984), (553, 28918), (567, 28885), (569, 28882), (615, 28780), (649, 28720), (678, 28636), (695, 28555), (718, 28471), (719, 28468), (723, 28459), (728, 28432), (735, 28402), (758, 28342), (771, 28303), (853, 28087), (854, 28084), (857, 28063), (898, 27928), (903, 27916), (909, 27907), (911, 27904), (947, 27811),

Gene: Neferthema_38 Start: 29229, Stop: 27331, Start Num: 270

Candidate Starts for Neferthema_38:

(Start: 270 @29229 has 147 MA's), (321, 29130), (326, 29124), (355, 29073), (357, 29070), (384, 29019), (386, 29016), (405, 28962), (407, 28956), (413, 28938), (430, 28887), (463, 28785), (474, 28737), (479, 28716), (482, 28704), (493, 28662), (497, 28656), (498, 28653), (500, 28641), (509, 28611), (516, 28590), (521, 28578), (522, 28575), (530, 28554), (610, 28407), (672, 28251), (735, 27984), (744, 27948), (746, 27942), (751, 27927), (771, 27864), (773, 27855), (783, 27810), (858, 27573), (859, 27570), (870, 27534),

Gene: Nehemiah_57 Start: 54574, Stop: 52745, Start Num: 189

Candidate Starts for Nehemiah_57:

(Start: 189 @54574 has 57 MA's), (224, 54553), (Start: 242 @54544 has 4 MA's), (253, 54517), (260, 54502), (381, 54277), (408, 54199), (420, 54166), (425, 54154), (436, 54118), (445, 54088), (499, 53995), (502, 53983), (503, 53980), (511, 53959), (512, 53956), (516, 53947), (524, 53929), (549, 53866), (557, 53842), (603, 53737), (655, 53614), (673, 53563), (676, 53551), (677, 53548), (679, 53530), (684, 53512), (691, 53482), (696, 53455), (711, 53404), (729, 53341), (732, 53332), (759, 53248), (766, 53215), (771, 53200), (790, 53140), (796, 53122), (800, 53110), (806, 53089), (808, 53080), (810, 53077), (857, 52960), (862, 52942), (864, 52936), (879, 52897), (880, 52885), (881, 52882), (884, 52867), (888, 52855), (892, 52843), (908, 52801), (912, 52792), (922, 52771), (925, 52750),

Gene: Nellie_36 Start: 31889, Stop: 30144, Start Num: 257

Candidate Starts for Nellie_36:

(247, 31916), (Start: 257 @31889 has 6 MA's), (259, 31886), (272, 31853), (274, 31847), (321, 31754), (339, 31721), (354, 31694), (414, 31559), (453, 31430), (481, 31424), (487, 31400), (495, 31385), (502, 31358), (512, 31328), (543, 31247), (546, 31238), (573, 31178), (583, 31157), (637, 31043), (645, 31025), (745, 30647), (758, 30629), (778, 30563), (783, 30548), (861, 30329), (875, 30287), (898, 30203), (912, 30170),

Gene: Nemo27_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Nemo27_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: Neos5_58 Start: 53992, Stop: 52175, Start Num: 238

Candidate Starts for Neos5_58:

(64, 54376), (124, 54175), (Start: 238 @53992 has 44 MA's), (253, 53962), (347, 53782), (395, 53677), (408, 53629), (412, 53617), (422, 53587), (426, 53581), (445, 53518), (447, 53512), (486, 53461), (498, 53434), (499, 53425), (516, 53377), (557, 53272), (596, 53176), (627, 53125), (676, 52981), (684, 52942), (691, 52912), (696, 52885), (700, 52873), (727, 52777), (729, 52771), (732, 52762), (734, 52750), (759, 52678), (765, 52648), (771, 52630), (773, 52621), (796, 52552), (800, 52540), (806, 52519), (840, 52450), (849, 52435), (854, 52411), (857, 52390), (862, 52372), (864, 52366), (877, 52333), (879, 52327), (882, 52309), (884, 52297), (888, 52285), (892, 52273), (908, 52231), (922, 52201),

Gene: Nerujay_46 Start: 35102, Stop: 33276, Start Num: 229

Candidate Starts for Nerujay_46:

(Start: 229 @35102 has 918 MA's), (347, 34889), (354, 34874), (394, 34796), (397, 34784), (400, 34775), (402, 34769), (404, 34760), (440, 34643), (448, 34616), (500, 34523), (504, 34508), (516, 34475), (539, 34424), (540, 34421), (566, 34355), (592, 34295), (614, 34250), (635, 34211), (695, 34031), (705, 33983), (719, 33944), (735, 33878), (745, 33839), (758, 33818), (765, 33797), (771, 33779), (792, 33713), (853, 33563), (854, 33560), (861, 33524), (870, 33500), (874, 33491), (878, 33479), (883, 33452), (898, 33404), (909, 33383),

Gene: Nesbitt_42 Start: 30153, Stop: 32018, Start Num: 229

Candidate Starts for Nesbitt_42:

(Start: 229 @30153 has 918 MA's), (260, 30201), (266, 30222), (313, 30297), (393, 30456), (394, 30459), (395, 30462), (400, 30480), (404, 30495), (415, 30525), (418, 30537), (450, 30645), (511, 30765), (528, 30807), (543, 30846), (548, 30861), (549, 30864), (550, 30867), (570, 30912), (581, 30933), (588, 30951), (592, 30960), (611, 30999), (624, 31029), (627, 31041), (651, 31104), (683, 31221), (695, 31281), (705, 31329), (719, 31368), (726, 31398), (735, 31434), (750, 31488), (766, 31536), (786, 31599), (821, 31698), (825, 31707), (851, 31758), (864, 31818), (871, 31836), (891, 31905), (898, 31929), (912, 31956),

Gene: Newman_59 Start: 54059, Stop: 52200, Start Num: 197

Candidate Starts for Newman_59:

(Start: 175 @54083 has 5 MA's), (Start: 197 @54059 has 267 MA's), (Start: 231 @54035 has 5 MA's), (Start: 243 @54029 has 2 MA's), (260, 53987), (267, 53966), (316, 53852), (319, 53846), (337, 53816), (371, 53756), (381, 53735), (399, 53681), (403, 53669), (409, 53651), (413, 53639), (445, 53534), (486, 53477), (499, 53441), (502, 53429), (512, 53402), (516, 53393), (531, 53357), (553, 53300), (556, 53291), (557, 53288), (558, 53285), (690, 52928), (696, 52895), (702, 52874), (729, 52781), (732, 52772), (747, 52709), (765, 52673), (766, 52670), (771, 52655), (796, 52577), (800, 52565), (806, 52544), (822, 52505), (857, 52415), (862, 52397), (864, 52391), (870, 52376), (879, 52352), (881, 52337), (882, 52334), (884, 52322), (892, 52298), (911, 52250), (922, 52226),

Gene: Newrala_45 Start: 29638, Stop: 27797, Start Num: 229

Candidate Starts for Newrala_45:

(Start: 229 @29638 has 918 MA's), (341, 29434), (382, 29359), (383, 29356), (394, 29329), (398, 29314), (402, 29302), (418, 29251), (444, 29161), (448, 29149), (500, 29056), (512, 29017), (519, 28999), (528, 28984), (553, 28918), (567, 28885), (569, 28882), (615, 28780), (649, 28720), (678, 28636), (695, 28555), (718, 28471), (719, 28468), (723, 28459), (728, 28432), (735, 28402), (758, 28342), (771, 28303), (853, 28087), (854, 28084), (857, 28063), (898, 27928), (903, 27916), (909, 27907), (911, 27904), (947, 27811),

Gene: Nhonho_45 Start: 35071, Stop: 33245, Start Num: 229

Candidate Starts for Nhonho_45:

(Start: 229 @35071 has 918 MA's), (347, 34858), (382, 34795), (394, 34765), (400, 34744), (402, 34738), (404, 34729), (440, 34612), (448, 34585), (500, 34492), (504, 34477), (516, 34444), (539, 34393), (540, 34390), (566, 34324), (580, 34294), (592, 34264), (614, 34219), (635, 34180), (695,

34000), (705, 33952), (719, 33913), (735, 33847), (745, 33808), (758, 33787), (765, 33766), (771, 33748), (792, 33682), (853, 33532), (854, 33529), (861, 33493), (870, 33469), (874, 33460), (878, 33448), (883, 33421), (898, 33373), (909, 33352),

Gene: Nibbles_39 Start: 31737, Stop: 29380, Start Num: 39

Candidate Starts for Nibbles_39:

(37, 31746), (Start: 39 @31737 has 23 MA's), (46, 31722), (53, 31686), (101, 31551), (121, 31488), (154, 31446), (160, 31434), (Start: 234 @31332 has 1 MA's), (Start: 243 @31329 has 2 MA's), (274, 31254), (298, 31215), (311, 31194), (340, 31143), (363, 31101), (379, 31071), (398, 31017), (405, 30996), (412, 30975), (433, 30912), (472, 30777), (476, 30762), (483, 30735), (489, 30717), (513, 30633), (544, 30597), (612, 30504), (633, 30462), (634, 30459), (635, 30456), (650, 30432), (655, 30420), (659, 30408), (693, 30267), (701, 30240), (735, 30105), (744, 30069), (746, 30063), (748, 30057), (750, 30051), (757, 30027), (766, 29994), (773, 29970), (783, 29925), (785, 29919), (803, 29859), (844, 29751), (860, 29682), (863, 29670), (871, 29646), (888, 29568), (896, 29544), (920, 29475),

Gene: NickSell_39 Start: 28939, Stop: 27074, Start Num: 270

Candidate Starts for NickSell_39:

(2, 29698), (62, 29395), (Start: 188 @29065 has 5 MA's), (214, 29029), (220, 29023), (Start: 270 @28939 has 147 MA's), (Start: 276 @28930 has 5 MA's), (333, 28825), (336, 28816), (353, 28786), (355, 28783), (408, 28663), (412, 28651), (415, 28645), (449, 28540), (456, 28513), (493, 28372), (497, 28366), (498, 28363), (500, 28351), (508, 28324), (509, 28321), (514, 28306), (516, 28300), (518, 28294), (531, 28261), (629, 28072), (728, 27757), (731, 27748), (732, 27745), (735, 27727), (746, 27685), (748, 27679), (751, 27670), (756, 27655), (773, 27598), (820, 27439), (834, 27409), (836, 27400), (854, 27340), (858, 27316), (870, 27277), (879, 27244), (880, 27232), (896, 27172),

Gene: Nicky22_43 Start: 30033, Stop: 31907, Start Num: 229

Candidate Starts for Nicky22_43:

(Start: 226 @30030 has 7 MA's), (Start: 229 @30033 has 918 MA's), (266, 30102), (280, 30123), (311, 30174), (404, 30369), (418, 30411), (543, 30705), (598, 30840), (648, 30939), (683, 31062), (695, 31122), (698, 31128), (707, 31173), (716, 31203), (726, 31239), (735, 31275), (764, 31368), (793, 31461), (821, 31539), (853, 31611), (861, 31650), (877, 31692), (880, 31710), (891, 31746), (898, 31770), (909, 31791),

Gene: Nicole21_61 Start: 54312, Stop: 52453, Start Num: 197

Candidate Starts for Nicole21_61:

(Start: 175 @54336 has 5 MA's), (Start: 197 @54312 has 267 MA's), (Start: 231 @54288 has 5 MA's), (Start: 243 @54282 has 2 MA's), (260, 54240), (267, 54219), (316, 54105), (319, 54099), (337, 54069), (371, 54009), (381, 53988), (399, 53934), (403, 53922), (409, 53904), (413, 53892), (445, 53787), (486, 53730), (499, 53694), (502, 53682), (511, 53658), (516, 53646), (524, 53628), (531, 53610), (539, 53592), (553, 53553), (556, 53544), (557, 53541), (558, 53538), (690, 53181), (696, 53148), (702, 53127), (729, 53034), (732, 53025), (747, 52962), (765, 52926), (766, 52923), (771, 52908), (796, 52830), (800, 52818), (806, 52797), (822, 52758), (857, 52668), (862, 52650), (864, 52644), (870, 52629), (879, 52605), (881, 52590), (882, 52587), (884, 52575), (892, 52551), (911, 52503), (922, 52479),

Gene: NicoleTera_45 Start: 32018, Stop: 30231, Start Num: 229

Candidate Starts for NicoleTera_45:

(Start: 229 @32018 has 918 MA's), (343, 31811), (354, 31790), (365, 31775), (381, 31745), (382, 31742), (394, 31712), (402, 31685), (408, 31664), (418, 31634), (448, 31532), (500, 31439), (516, 31391), (519, 31382), (553, 31301), (588, 31220), (611, 31172), (649, 31103), (695, 30947), (707, 30896), (718, 30863), (719, 30860), (735, 30794), (745, 30755), (758, 30734), (781, 30659), (786, 30647), (802, 30596), (811, 30569), (828, 30533), (840, 30515), (853, 30479), (857, 30455), (877,

30398), (898, 30320), (903, 30308), (909, 30299),

Gene: Nigel_54 Start: 53588, Stop: 51732, Start Num: 174

Candidate Starts for Nigel_54:

(Start: 174 @53588 has 2 MA's), (Start: 193 @53561 has 2 MA's), (Start: 243 @53534 has 2 MA's), (253, 53507), (260, 53492), (298, 53420), (300, 53414), (316, 53366), (319, 53360), (328, 53348), (337, 53330), (343, 53321), (370, 53270), (372, 53267), (409, 53168), (420, 53138), (422, 53129), (425, 53126), (434, 53096), (486, 53003), (493, 52985), (499, 52967), (502, 52955), (512, 52928), (556, 52817), (557, 52814), (565, 52796), (570, 52784), (586, 52748), (588, 52742), (594, 52724), (627, 52667), (664, 52562), (676, 52523), (677, 52520), (684, 52484), (696, 52427), (727, 52319), (729, 52313), (732, 52304), (763, 52214), (765, 52205), (766, 52202), (771, 52187), (796, 52109), (800, 52097), (806, 52076), (808, 52067), (840, 52007), (852, 51980), (857, 51947), (862, 51929), (864, 51923), (879, 51884), (881, 51869), (882, 51866), (884, 51854), (892, 51830), (908, 51788), (911, 51782), (922, 51758),

Gene: Nina_42 Start: 32678, Stop: 30285, Start Num: 32

Candidate Starts for Nina_42:

(Start: 32 @32678 has 16 MA's), (42, 32672), (Start: 55 @32624 has 1 MA's), (66, 32582), (76, 32558), (116, 32432), (121, 32408), (156, 32363), (186, 32312), (198, 32297), (211, 32276), (251, 32228), (263, 32195), (266, 32186), (311, 32111), (315, 32099), (352, 32030), (368, 32003), (371, 31997), (379, 31982), (398, 31928), (399, 31925), (405, 31907), (412, 31886), (432, 31826), (469, 31703), (470, 31697), (489, 31628), (500, 31586), (547, 31499), (570, 31475), (586, 31469), (594, 31445), (599, 31436), (606, 31421), (612, 31409), (633, 31367), (634, 31364), (635, 31361), (655, 31325), (685, 31214), (701, 31145), (702, 31139), (712, 31103), (726, 31046), (735, 31010), (744, 30974), (746, 30968), (748, 30962), (750, 30956), (766, 30899), (773, 30875), (783, 30830), (896, 30449), (910, 30404), (914, 30395), (935, 30335), (944, 30317),

Gene: Niobe_39 Start: 30355, Stop: 32220, Start Num: 229

Candidate Starts for Niobe_39:

(Start: 229 @30355 has 918 MA's), (260, 30403), (364, 30586), (368, 30592), (394, 30652), (400, 30673), (421, 30742), (504, 30958), (540, 31048), (543, 31057), (548, 31072), (567, 31117), (611, 31210), (669, 31348), (695, 31468), (704, 31498), (719, 31555), (733, 31612), (735, 31621), (741, 31645), (764, 31714), (786, 31786), (789, 31795), (825, 31894), (853, 31957), (898, 32116), (902, 32125),

Gene: Nitro_40 Start: 30212, Stop: 32077, Start Num: 229

Candidate Starts for Nitro_40:

(Start: 229 @30212 has 918 MA's), (260, 30260), (394, 30509), (421, 30599), (501, 30806), (504, 30815), (539, 30902), (543, 30914), (548, 30929), (588, 31019), (640, 31124), (669, 31205), (695, 31325), (704, 31355), (719, 31412), (735, 31478), (786, 31643), (853, 31814), (857, 31838), (862, 31856), (898, 31973), (902, 31982),

Gene: Niza_47 Start: 35869, Stop: 34082, Start Num: 229

Candidate Starts for Niza_47:

(Start: 229 @35869 has 918 MA's), (347, 35656), (354, 35641), (382, 35593), (394, 35563), (400, 35542), (402, 35536), (404, 35527), (440, 35410), (448, 35383), (500, 35290), (504, 35275), (516, 35242), (539, 35191), (540, 35188), (566, 35122), (580, 35092), (592, 35062), (614, 35017), (635, 34978), (695, 34798), (705, 34750), (719, 34711), (735, 34645), (763, 34573), (765, 34564), (792, 34480), (823, 34393), (870, 34267), (875, 34255), (891, 34195), (898, 34171), (901, 34165),

Gene: NoShow_52 Start: 37810, Stop: 35447, Start Num: 49

Candidate Starts for NoShow_52:

(36, 37861), (Start: 39 @37840 has 23 MA's), (Start: 49 @37810 has 1 MA's), (Start: 55 @37786 has 1 MA's), (68, 37741), (Start: 70 @37735 has 1 MA's), (105, 37630), (108, 37621), (121, 37576), (156, 37531), (186, 37480), (198, 37465), (211, 37444), (373, 37165), (398, 37099), (432, 36997), (466, 36892), (469, 36874), (472, 36859), (488, 36802), (489, 36799), (492, 36781), (500, 36757), (501, 36751), (543, 36682), (544, 36679), (547, 36670), (616, 36580), (620, 36571), (650, 36511), (654, 36502), (656, 36496), (707, 36283), (708, 36280), (721, 36241), (728, 36208), (744, 36142), (746, 36136), (748, 36130), (750, 36124), (766, 36067), (773, 36043), (856, 35776), (879, 35689), (888, 35641), (896, 35617), (920, 35548),

Gene: Nodigi_51 Start: 35275, Stop: 32885, Start Num: 39

Candidate Starts for Nodigi_51:

(13, 35404), (15, 35395), (Start: 39 @35275 has 23 MA's), (80, 35143), (83, 35131), (100, 35086), (121, 35023), (132, 35002), (160, 34969), (198, 34912), (241, 34864), (248, 34849), (266, 34801), (311, 34726), (313, 34720), (315, 34714), (317, 34708), (352, 34639), (366, 34615), (379, 34591), (405, 34516), (412, 34495), (428, 34447), (432, 34435), (447, 34390), (487, 34234), (489, 34228), (547, 34099), (594, 34051), (601, 34039), (634, 33967), (655, 33925), (685, 33814), (693, 33772), (699, 33748), (701, 33739), (712, 33697), (735, 33604), (744, 33568), (746, 33562), (748, 33556), (750, 33550), (766, 33493), (773, 33469), (778, 33451), (803, 33358), (830, 33289), (844, 33250), (854, 33211), (857, 33190), (868, 33157), (873, 33139), (896, 33043), (902, 33019), (944, 32911),

Gene: Noella_44 Start: 31598, Stop: 29760, Start Num: 229

Candidate Starts for Noella_44:

(Start: 229 @31598 has 918 MA's), (261, 31547), (341, 31394), (382, 31322), (394, 31292), (402, 31265), (404, 31256), (448, 31112), (500, 31016), (517, 30968), (543, 30908), (581, 30821), (598, 30776), (611, 30755), (650, 30683), (668, 30641), (678, 30599), (695, 30518), (705, 30470), (719, 30431), (728, 30395), (735, 30365), (742, 30335), (766, 30254), (777, 30215), (786, 30191), (792, 30173), (793, 30170), (840, 30044), (857, 29984), (883, 29897), (898, 29849), (903, 29837), (909, 29828),

Gene: Noelle_45 Start: 31832, Stop: 30003, Start Num: 229

Candidate Starts for Noelle_45:

(Start: 229 @31832 has 918 MA's), (254, 31796), (341, 31628), (365, 31589), (376, 31571), (378, 31568), (402, 31499), (404, 31490), (441, 31370), (448, 31346), (500, 31253), (517, 31205), (543, 31145), (560, 31100), (564, 31094), (598, 31013), (611, 30992), (635, 30947), (692, 30782), (695, 30761), (723, 30665), (728, 30638), (729, 30635), (735, 30608), (745, 30569), (766, 30497), (771, 30482), (777, 30458), (783, 30440), (786, 30434), (788, 30428), (857, 30227), (898, 30092), (903, 30080), (909, 30071),

Gene: Norbert_43 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for Norbert_43:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: NorthStar_44 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for NorthStar_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777,

30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Norz_45 Start: 34915, Stop: 33089, Start Num: 229

Candidate Starts for Norz_45:

(Start: 229 @34915 has 918 MA's), (347, 34702), (354, 34687), (382, 34639), (394, 34609), (400, 34588), (402, 34582), (404, 34573), (440, 34456), (448, 34429), (500, 34336), (504, 34321), (539, 34237), (540, 34234), (566, 34168), (580, 34138), (592, 34108), (614, 34063), (635, 34024), (695, 33844), (704, 33814), (705, 33796), (719, 33757), (735, 33691), (765, 33610), (766, 33607), (792, 33526), (853, 33376), (854, 33373), (861, 33337), (870, 33313), (874, 33304), (878, 33292), (898, 33217), (909, 33196),

Gene: NotAPhaseMom_45 Start: 31574, Stop: 29748, Start Num: 229

Candidate Starts for NotAPhaseMom_45:

(Start: 229 @31574 has 918 MA's), (250, 31553), (261, 31523), (273, 31493), (365, 31331), (376, 31313), (402, 31241), (404, 31232), (441, 31112), (448, 31088), (500, 30995), (517, 30947), (528, 30926), (543, 30887), (598, 30755), (611, 30734), (635, 30689), (640, 30677), (692, 30524), (695, 30503), (728, 30380), (735, 30350), (745, 30311), (765, 30245), (766, 30242), (771, 30227), (777, 30203), (786, 30179), (857, 29972), (898, 29837), (903, 29825), (909, 29816),

Gene: NothingSpecial_43 Start: 32022, Stop: 30235, Start Num: 229

Candidate Starts for NothingSpecial_43:

(Start: 229 @32022 has 918 MA's), (343, 31815), (347, 31809), (365, 31779), (382, 31746), (383, 31743), (394, 31716), (402, 31689), (404, 31680), (448, 31536), (500, 31443), (516, 31395), (519, 31386), (528, 31371), (553, 31305), (588, 31224), (611, 31176), (695, 30951), (707, 30900), (718, 30867), (735, 30798), (745, 30759), (758, 30738), (765, 30717), (840, 30519), (853, 30483), (857, 30459), (881, 30381), (898, 30324), (903, 30312), (909, 30303),

Gene: Nozo_58 Start: 54443, Stop: 52626, Start Num: 238

Candidate Starts for Nozo_58:

(124, 54626), (Start: 238 @54443 has 44 MA's), (253, 54413), (347, 54233), (395, 54128), (408, 54080), (412, 54068), (422, 54038), (426, 54032), (445, 53969), (447, 53963), (486, 53912), (499, 53876), (516, 53828), (557, 53723), (596, 53627), (627, 53576), (676, 53432), (684, 53393), (691, 53363), (696, 53336), (700, 53324), (727, 53228), (729, 53222), (732, 53213), (734, 53201), (759, 53129), (765, 53099), (771, 53081), (773, 53072), (796, 53003), (800, 52991), (806, 52970), (840, 52901), (849, 52886), (854, 52862), (857, 52841), (862, 52823), (864, 52817), (877, 52784), (879, 52778), (882, 52760), (884, 52748), (888, 52736), (892, 52724), (908, 52682), (922, 52652),

Gene: Nucci_37 Start: 28513, Stop: 26612, Start Num: 270

Candidate Starts for Nucci_37:

(Start: 270 @28513 has 147 MA's), (336, 28390), (344, 28375), (353, 28360), (373, 28327), (379, 28318), (384, 28303), (398, 28267), (403, 28252), (412, 28225), (415, 28219), (431, 28168), (443, 28129), (463, 28069), (493, 27943), (498, 27934), (500, 27922), (509, 27892), (516, 27871), (530, 27835), (610, 27688), (629, 27643), (672, 27532), (716, 27337), (728, 27295), (735, 27265), (746, 27223), (757, 27193), (762, 27172), (773, 27136), (854, 26878), (858, 26854), (869, 26821), (870, 26815), (896, 26710),

Gene: Numberten_60 Start: 54256, Stop: 52397, Start Num: 197

Candidate Starts for Numberten_60:

(Start: 175 @54280 has 5 MA's), (Start: 197 @54256 has 267 MA's), (Start: 231 @54232 has 5 MA's), (Start: 243 @54226 has 2 MA's), (260, 54184), (267, 54163), (316, 54049), (319, 54043), (337, 54013), (371, 53953), (381, 53932), (399, 53878), (403, 53866), (409, 53848), (413, 53836), (445, 53731), (486, 53674), (499, 53638), (502, 53626), (511, 53602), (516, 53590), (524, 53572), (531, 53554), (539, 53536), (553, 53497), (556, 53488), (557, 53485), (558, 53482), (690, 53125), (696,

53092), (702, 53071), (729, 52978), (732, 52969), (747, 52906), (765, 52870), (766, 52867), (771, 52852), (796, 52774), (800, 52762), (806, 52741), (822, 52702), (857, 52612), (862, 52594), (864, 52588), (870, 52573), (879, 52549), (881, 52534), (882, 52531), (884, 52519), (892, 52495), (911, 52447), (922, 52423),

Gene: Nyala_59 Start: 54031, Stop: 52172, Start Num: 197

Candidate Starts for Nyala_59:

(Start: 175 @54055 has 5 MA's), (Start: 197 @54031 has 267 MA's), (Start: 231 @54007 has 5 MA's), (Start: 243 @54001 has 2 MA's), (260, 53959), (267, 53938), (316, 53824), (319, 53818), (337, 53788), (371, 53728), (381, 53707), (399, 53653), (403, 53641), (409, 53623), (413, 53611), (445, 53506), (486, 53449), (499, 53413), (502, 53401), (512, 53374), (524, 53347), (531, 53329), (539, 53311), (553, 53272), (556, 53263), (557, 53260), (690, 52900), (696, 52867), (702, 52846), (729, 52753), (732, 52744), (747, 52681), (765, 52645), (766, 52642), (771, 52627), (796, 52549), (800, 52537), (806, 52516), (822, 52477), (857, 52387), (862, 52369), (864, 52363), (870, 52348), (879, 52324), (881, 52309), (882, 52306), (884, 52294), (892, 52270), (911, 52222), (922, 52198),

Gene: Nyxis_45 Start: 31460, Stop: 29634, Start Num: 229

Candidate Starts for Nyxis_45:

(Start: 229 @31460 has 918 MA's), (250, 31439), (261, 31409), (273, 31379), (365, 31217), (376, 31199), (402, 31127), (404, 31118), (441, 30998), (448, 30974), (500, 30881), (517, 30833), (528, 30812), (543, 30773), (598, 30641), (611, 30620), (635, 30575), (640, 30563), (692, 30410), (695, 30389), (728, 30266), (735, 30236), (745, 30197), (765, 30131), (766, 30128), (771, 30113), (777, 30089), (786, 30065), (857, 29858), (898, 29723), (903, 29711), (909, 29702),

Gene: OKCentral2016_43 Start: 30827, Stop: 28992, Start Num: 229

Candidate Starts for OKCentral2016_43:

(Start: 229 @30827 has 918 MA's), (261, 30776), (298, 30710), (341, 30623), (354, 30599), (378, 30563), (382, 30551), (402, 30494), (404, 30485), (429, 30401), (441, 30365), (444, 30353), (447, 30344), (448, 30341), (500, 30248), (517, 30200), (543, 30140), (553, 30113), (564, 30089), (596, 30011), (598, 30008), (611, 29987), (614, 29981), (650, 29915), (668, 29873), (695, 29750), (705, 29702), (728, 29627), (735, 29597), (745, 29558), (766, 29486), (777, 29447), (786, 29423), (788, 29417), (792, 29405), (831, 29297), (857, 29216), (864, 29192), (883, 29129), (898, 29081), (903, 29069), (909, 29060),

Gene: OKaNui_45 Start: 31620, Stop: 29794, Start Num: 229

Candidate Starts for OKaNui_45:

(Start: 229 @31620 has 918 MA's), (250, 31599), (261, 31569), (273, 31539), (365, 31377), (376, 31359), (402, 31287), (404, 31278), (448, 31134), (500, 31041), (517, 30993), (528, 30972), (543, 30933), (598, 30801), (611, 30780), (635, 30735), (640, 30723), (692, 30570), (695, 30549), (728, 30426), (735, 30396), (745, 30357), (765, 30291), (766, 30288), (771, 30273), (777, 30249), (786, 30225), (857, 30018), (898, 29883), (903, 29871), (909, 29862),

Gene: OSmaximus_62 Start: 54777, Stop: 52918, Start Num: 197

Candidate Starts for OSmaximus_62:

(Start: 175 @54801 has 5 MA's), (Start: 197 @54777 has 267 MA's), (Start: 231 @54753 has 5 MA's), (Start: 243 @54747 has 2 MA's), (260, 54705), (267, 54684), (316, 54570), (319, 54564), (337, 54534), (371, 54474), (381, 54453), (399, 54399), (403, 54387), (409, 54369), (413, 54357), (445, 54252), (486, 54195), (499, 54159), (502, 54147), (511, 54123), (516, 54111), (524, 54093), (531, 54075), (539, 54057), (553, 54018), (556, 54009), (557, 54006), (558, 54003), (690, 53646), (696, 53613), (702, 53592), (729, 53499), (732, 53490), (747, 53427), (765, 53391), (766, 53388), (771, 53373), (796, 53295), (800, 53283), (806, 53262), (822, 53223), (857, 53133), (862, 53115), (864, 53109), (870, 53094), (879, 53070), (881, 53055), (882, 53052), (884, 53040), (892, 53016), (911, 52968), (922, 52944),

Gene: Oats_38 Start: 28632, Stop: 26767, Start Num: 270

Candidate Starts for Oats_38:

(Start: 216 @28719 has 3 MA's), (Start: 270 @28632 has 147 MA's), (Start: 276 @28623 has 5 MA's), (333, 28518), (336, 28509), (353, 28479), (355, 28476), (408, 28356), (412, 28344), (415, 28338), (449, 28233), (456, 28206), (493, 28065), (497, 28059), (498, 28056), (500, 28044), (508, 28017), (509, 28014), (514, 27999), (516, 27993), (518, 27987), (531, 27954), (629, 27765), (728, 27450), (731, 27441), (732, 27438), (735, 27420), (746, 27378), (748, 27372), (751, 27363), (756, 27348), (773, 27291), (820, 27132), (834, 27102), (836, 27093), (854, 27033), (858, 27009), (870, 26970), (879, 26937), (880, 26925), (896, 26865),

Gene: Obama12_46 Start: 31994, Stop: 30168, Start Num: 229

Candidate Starts for Obama12_46:

(Start: 229 @31994 has 918 MA's), (260, 31946), (341, 31790), (382, 31718), (402, 31661), (404, 31652), (441, 31532), (448, 31508), (500, 31415), (517, 31367), (528, 31346), (543, 31307), (560, 31262), (598, 31175), (603, 31166), (611, 31154), (635, 31109), (640, 31097), (692, 30944), (695, 30923), (728, 30800), (735, 30770), (745, 30731), (765, 30665), (766, 30662), (777, 30623), (786, 30599), (857, 30392), (898, 30257), (903, 30245), (909, 30236),

Gene: ObiToo_46 Start: 30468, Stop: 32333, Start Num: 229

Candidate Starts for ObiToo_46:

(118, 30285), (Start: 162 @30390 has 2 MA's), (Start: 229 @30468 has 918 MA's), (260, 30516), (347, 30681), (364, 30699), (394, 30765), (400, 30786), (501, 31062), (504, 31071), (543, 31170), (548, 31185), (588, 31275), (611, 31323), (640, 31380), (669, 31461), (695, 31581), (719, 31668), (733, 31725), (735, 31734), (825, 32007), (898, 32229),

Gene: Obutu_59 Start: 54042, Stop: 52225, Start Num: 238

Candidate Starts for Obutu_59:

(124, 54225), (Start: 238 @54042 has 44 MA's), (253, 54012), (347, 53832), (408, 53679), (412, 53667), (422, 53637), (426, 53631), (445, 53568), (447, 53562), (486, 53511), (499, 53475), (516, 53427), (557, 53322), (596, 53226), (627, 53175), (676, 53031), (684, 52992), (691, 52962), (696, 52935), (700, 52923), (727, 52827), (729, 52821), (732, 52812), (734, 52800), (759, 52728), (765, 52698), (771, 52680), (773, 52671), (796, 52602), (800, 52590), (806, 52569), (840, 52500), (849, 52485), (854, 52461), (864, 52416), (879, 52377), (882, 52359), (884, 52347), (888, 52335), (892, 52323), (908, 52281), (922, 52251),

Gene: Odin_44 Start: 30188, Stop: 28356, Start Num: 229

Candidate Starts for Odin_44:

(Start: 229 @30188 has 918 MA's), (341, 29984), (350, 29966), (383, 29906), (392, 29885), (394, 29879), (397, 29867), (402, 29852), (409, 29828), (448, 29699), (489, 29639), (497, 29621), (500, 29606), (519, 29549), (553, 29468), (576, 29420), (611, 29339), (695, 29114), (719, 29027), (728, 28991), (735, 28961), (745, 28922), (758, 28901), (765, 28880), (771, 28862), (802, 28763), (811, 28736), (828, 28700), (840, 28682), (853, 28646), (857, 28622), (898, 28487), (903, 28475), (909, 28466), (911, 28463), (925, 28418), (940, 28388),

Gene: Ohfah_46 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Ohfah_46:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Ohno789_45 Start: 35178, Stop: 33352, Start Num: 229

Candidate Starts for Ohno789_45:

(Start: 229 @35178 has 918 MA's), (347, 34965), (382, 34902), (394, 34872), (400, 34851), (402, 34845), (404, 34836), (440, 34719), (448, 34692), (500, 34599), (504, 34584), (539, 34500), (540, 34497), (566, 34431), (592, 34371), (614, 34326), (635, 34287), (695, 34107), (705, 34059), (719, 34020), (735, 33954), (745, 33915), (758, 33894), (765, 33873), (771, 33855), (792, 33789), (853, 33639), (854, 33636), (861, 33600), (870, 33576), (874, 33567), (878, 33555), (898, 33480), (909, 33459),

Gene: Olak_59 Start: 54034, Stop: 52175, Start Num: 197

Candidate Starts for Olak_59:

(Start: 175 @54058 has 5 MA's), (Start: 197 @54034 has 267 MA's), (Start: 231 @54010 has 5 MA's), (Start: 243 @54004 has 2 MA's), (260, 53962), (267, 53941), (316, 53827), (319, 53821), (337, 53791), (371, 53731), (381, 53710), (399, 53656), (403, 53644), (409, 53626), (413, 53614), (445, 53509), (486, 53452), (499, 53416), (502, 53404), (512, 53377), (524, 53350), (531, 53332), (539, 53314), (553, 53275), (556, 53266), (557, 53263), (664, 53005), (690, 52903), (696, 52870), (702, 52849), (729, 52756), (732, 52747), (747, 52684), (765, 52648), (766, 52645), (771, 52630), (796, 52552), (800, 52540), (806, 52519), (822, 52480), (857, 52390), (862, 52372), (864, 52366), (870, 52351), (879, 52327), (881, 52312), (882, 52309), (884, 52297), (892, 52273), (911, 52225), (922, 52201),

Gene: OlanP_47 Start: 31923, Stop: 30109, Start Num: 229

Candidate Starts for OlanP_47:

(Start: 229 @31923 has 918 MA's), (255, 31884), (261, 31872), (341, 31719), (349, 31704), (382, 31647), (402, 31590), (404, 31581), (418, 31539), (432, 31488), (448, 31437), (500, 31344), (516, 31296), (528, 31272), (543, 31233), (553, 31206), (566, 31176), (607, 31083), (614, 31071), (639, 31023), (640, 31020), (649, 31008), (695, 30852), (707, 30801), (718, 30768), (719, 30765), (735, 30699), (745, 30660), (766, 30588), (777, 30549), (786, 30525), (792, 30507), (802, 30474), (840, 30393), (857, 30333), (862, 30315), (881, 30255), (883, 30246), (898, 30198), (903, 30186), (909, 30177),

Gene: OldNelly_39 Start: 28936, Stop: 27071, Start Num: 270

Candidate Starts for OldNelly_39:

(Start: 216 @29023 has 3 MA's), (Start: 270 @28936 has 147 MA's), (Start: 276 @28927 has 5 MA's), (333, 28822), (336, 28813), (353, 28783), (355, 28780), (408, 28660), (412, 28648), (415, 28642), (449, 28537), (456, 28510), (493, 28369), (497, 28363), (498, 28360), (500, 28348), (508, 28321), (509, 28318), (514, 28303), (516, 28297), (518, 28291), (531, 28258), (602, 28129), (629, 28069), (728, 27754), (731, 27745), (732, 27742), (735, 27724), (746, 27682), (748, 27676), (751, 27667), (756, 27652), (773, 27595), (820, 27436), (834, 27406), (836, 27397), (854, 27337), (858, 27313), (870, 27274), (879, 27241), (880, 27229), (896, 27169),

Gene: Oline_61 Start: 54135, Stop: 52276, Start Num: 197

Candidate Starts for Oline_61:

(Start: 175 @54159 has 5 MA's), (Start: 197 @54135 has 267 MA's), (Start: 231 @54111 has 5 MA's), (Start: 243 @54105 has 2 MA's), (260, 54063), (267, 54042), (316, 53928), (319, 53922), (337, 53892), (371, 53832), (381, 53811), (399, 53757), (403, 53745), (409, 53727), (413, 53715), (445, 53610), (486, 53553), (499, 53517), (502, 53505), (511, 53481), (516, 53469), (524, 53451), (531, 53433), (539, 53415), (553, 53376), (556, 53367), (557, 53364), (558, 53361), (690, 53004), (696, 52971), (702, 52950), (729, 52857), (732, 52848), (747, 52785), (765, 52749), (766, 52746), (771, 52731), (796, 52653), (800, 52641), (806, 52620), (822, 52581), (857, 52491), (862, 52473), (864, 52467), (870, 52452), (879, 52428), (881, 52413), (882, 52410), (884, 52398), (892, 52374), (911, 52326), (922, 52302), (924, 52287),

Gene: Olive_60 Start: 54247, Stop: 52388, Start Num: 197

Candidate Starts for Olive_60:

(Start: 175 @54271 has 5 MA's), (Start: 197 @54247 has 267 MA's), (Start: 231 @54223 has 5 MA's), (Start: 243 @54217 has 2 MA's), (260, 54175), (267, 54154), (316, 54040), (319, 54034), (337, 54004), (371, 53944), (381, 53923), (399, 53869), (403, 53857), (409, 53839), (413, 53827), (445, 53722), (486, 53665), (499, 53629), (502, 53617), (511, 53593), (516, 53581), (524, 53563), (531, 53545), (539, 53527), (553, 53488), (556, 53479), (557, 53476), (558, 53473), (690, 53116), (696, 53083), (702, 53062), (729, 52969), (732, 52960), (747, 52897), (765, 52861), (766, 52858), (771, 52843), (796, 52765), (800, 52753), (806, 52732), (822, 52693), (857, 52603), (862, 52585), (864, 52579), (870, 52564), (879, 52540), (881, 52525), (882, 52522), (884, 52510), (892, 52486), (911, 52438), (922, 52414),

Gene: OliverWalter_59 Start: 54066, Stop: 52207, Start Num: 197

Candidate Starts for OliverWalter_59:

(Start: 175 @54090 has 5 MA's), (Start: 197 @54066 has 267 MA's), (Start: 231 @54042 has 5 MA's), (Start: 243 @54036 has 2 MA's), (260, 53994), (267, 53973), (316, 53859), (319, 53853), (337, 53823), (371, 53763), (381, 53742), (399, 53688), (403, 53676), (409, 53658), (413, 53646), (445, 53541), (486, 53484), (499, 53448), (502, 53436), (512, 53409), (516, 53400), (531, 53364), (553, 53307), (556, 53298), (557, 53295), (558, 53292), (690, 52935), (696, 52902), (702, 52881), (729, 52788), (732, 52779), (747, 52716), (765, 52680), (766, 52677), (771, 52662), (796, 52584), (800, 52572), (806, 52551), (822, 52512), (857, 52422), (862, 52404), (864, 52398), (870, 52383), (879, 52359), (881, 52344), (882, 52341), (884, 52329), (892, 52305), (911, 52257), (922, 52233),

Gene: Ollie_48 Start: 31724, Stop: 29910, Start Num: 229

Candidate Starts for Ollie_48:

(Start: 229 @31724 has 918 MA's), (255, 31685), (261, 31673), (341, 31520), (349, 31505), (382, 31448), (402, 31391), (404, 31382), (418, 31340), (432, 31289), (448, 31238), (500, 31145), (516, 31097), (519, 31088), (528, 31073), (543, 31034), (553, 31007), (566, 30977), (607, 30884), (614, 30872), (639, 30824), (649, 30809), (695, 30653), (705, 30605), (719, 30566), (735, 30500), (745, 30461), (766, 30389), (777, 30350), (786, 30326), (792, 30308), (802, 30275), (811, 30248), (840, 30194), (857, 30134), (881, 30056), (898, 29999), (903, 29987), (909, 29978),

Gene: Olliecat_40 Start: 28106, Stop: 29989, Start Num: 220

Candidate Starts for Olliecat_40:

(220, 28106), (250, 28127), (266, 28175), (280, 28196), (341, 28313), (382, 28376), (394, 28406), (400, 28427), (404, 28442), (408, 28454), (437, 28535), (442, 28550), (510, 28706), (524, 28736), (543, 28787), (550, 28808), (554, 28817), (595, 28916), (695, 29204), (698, 29210), (714, 29270), (719, 29291), (726, 29321), (729, 29330), (735, 29357), (764, 29450), (771, 29474), (792, 29540), (793, 29543), (821, 29621), (823, 29627), (849, 29672), (864, 29741), (877, 29774), (879, 29780), (880, 29792), (881, 29795), (898, 29852), (905, 29867), (909, 29873), (943, 29954),

Gene: Omniscient_61 Start: 54894, Stop: 53035, Start Num: 197

Candidate Starts for Omniscient_61:

(Start: 175 @54918 has 5 MA's), (Start: 197 @54894 has 267 MA's), (Start: 231 @54870 has 5 MA's), (Start: 243 @54864 has 2 MA's), (260, 54822), (267, 54801), (316, 54687), (319, 54681), (337, 54651), (371, 54591), (381, 54570), (399, 54516), (403, 54504), (409, 54486), (413, 54474), (445, 54369), (486, 54312), (499, 54276), (502, 54264), (511, 54240), (516, 54228), (524, 54210), (531, 54192), (539, 54174), (553, 54135), (556, 54126), (557, 54123), (558, 54120), (690, 53763), (696, 53730), (702, 53709), (729, 53616), (732, 53607), (747, 53544), (765, 53508), (766, 53505), (771, 53490), (796, 53412), (800, 53400), (806, 53379), (822, 53340), (857, 53250), (862, 53232), (864, 53226), (870, 53211), (879, 53187), (881, 53172), (882, 53169), (884, 53157), (892, 53133), (911, 53085), (922, 53061),

Gene: Onglai_43 Start: 29824, Stop: 28031, Start Num: 229

Candidate Starts for Onglai_43:

(Start: 229 @29824 has 918 MA's), (Start: 244 @29815 has 1 MA's), (261, 29773), (325, 29653), (327, 29650), (350, 29602), (383, 29542), (395, 29512), (398, 29500), (402, 29488), (448, 29335), (500, 29242), (553, 29104), (566, 29074), (640, 28915), (649, 28903), (666, 28876), (692, 28768), (695, 28747), (732, 28612), (735, 28594), (765, 28513), (777, 28471), (802, 28396), (837, 28321), (853, 28279), (881, 28177), (898, 28120), (903, 28108), (909, 28099),

Gene: Oofda_48 Start: 29834, Stop: 28044, Start Num: 229

Candidate Starts for Oofda_48:

(Start: 229 @29834 has 918 MA's), (382, 29555), (383, 29552), (394, 29525), (402, 29498), (418, 29447), (448, 29345), (500, 29252), (512, 29213), (519, 29195), (598, 29006), (635, 28940), (669, 28880), (678, 28841), (690, 28790), (692, 28781), (695, 28760), (707, 28709), (718, 28676), (726, 28643), (728, 28637), (735, 28607), (758, 28547), (765, 28526), (777, 28484), (787, 28457), (823, 28355), (853, 28292), (854, 28289), (898, 28133), (903, 28121), (911, 28109),

Gene: Oogway_42 Start: 33561, Stop: 31732, Start Num: 229

Candidate Starts for Oogway_42:

(Start: 229 @33561 has 918 MA's), (347, 33348), (354, 33333), (394, 33255), (400, 33234), (402, 33228), (404, 33219), (440, 33102), (448, 33075), (500, 32982), (504, 32967), (516, 32934), (539, 32883), (540, 32880), (566, 32814), (580, 32784), (592, 32754), (614, 32709), (635, 32670), (695, 32490), (705, 32442), (723, 32394), (732, 32355), (735, 32337), (745, 32298), (758, 32277), (765, 32256), (770, 32241), (808, 32118), (875, 31947), (880, 31923), (895, 31875), (898, 31863), (909, 31842), (912, 31836), (928, 31788), (935, 31773),

Gene: Oosterbaan_60 Start: 54313, Stop: 52454, Start Num: 197

Candidate Starts for Oosterbaan_60:

(Start: 175 @54337 has 5 MA's), (Start: 197 @54313 has 267 MA's), (Start: 231 @54289 has 5 MA's), (Start: 243 @54283 has 2 MA's), (260, 54241), (267, 54220), (316, 54106), (319, 54100), (337, 54070), (371, 54010), (381, 53989), (399, 53935), (403, 53923), (409, 53905), (413, 53893), (445, 53788), (486, 53731), (499, 53695), (502, 53683), (512, 53656), (524, 53629), (531, 53611), (539, 53593), (553, 53554), (556, 53545), (557, 53542), (664, 53284), (690, 53182), (696, 53149), (702, 53128), (729, 53035), (732, 53026), (747, 52963), (765, 52927), (766, 52924), (771, 52909), (796, 52831), (800, 52819), (806, 52798), (822, 52759), (857, 52669), (862, 52651), (864, 52645), (870, 52630), (879, 52606), (881, 52591), (882, 52588), (884, 52576), (892, 52552), (911, 52504), (922, 52480),

Gene: Opia_57 Start: 52500, Stop: 50671, Start Num: 189

Candidate Starts for Opia_57:

(Start: 189 @52500 has 57 MA's), (Start: 243 @52473 has 2 MA's), (254, 52443), (260, 52431), (271, 52404), (273, 52401), (278, 52392), (298, 52374), (343, 52278), (371, 52227), (382, 52203), (391, 52179), (434, 52041), (442, 52017), (445, 52005), (486, 51948), (499, 51912), (502, 51900), (511, 51876), (546, 51792), (556, 51762), (557, 51759), (570, 51729), (633, 51585), (659, 51519), (673, 51480), (676, 51468), (679, 51447), (684, 51429), (696, 51372), (715, 51315), (723, 51288), (729, 51258), (732, 51249), (747, 51183), (763, 51156), (765, 51147), (771, 51129), (777, 51105), (796, 51051), (800, 51039), (806, 51018), (840, 50949), (857, 50889), (862, 50871), (875, 50838), (879, 50826), (881, 50811), (882, 50808), (884, 50796), (892, 50772), (893, 50769), (911, 50721), (912, 50718), (922, 50697), (925, 50676),

Gene: Orange_44 Start: 30325, Stop: 28538, Start Num: 229

Candidate Starts for Orange_44:

(Start: 229 @30325 has 918 MA's), (341, 30121), (382, 30049), (394, 30019), (402, 29992), (501, 29740), (519, 29689), (553, 29608), (575, 29563), (611, 29479), (640, 29422), (667, 29380), (678,

29335), (695, 29254), (707, 29203), (719, 29167), (735, 29101), (758, 29041), (763, 29029), (795, 28927), (802, 28903), (807, 28885), (840, 28822), (852, 28795), (853, 28786), (857, 28762), (898, 28627), (903, 28615), (909, 28606),

Gene: OrangeOswald_58 Start: 53684, Stop: 51867, Start Num: 238

Candidate Starts for OrangeOswald_58:

(124, 53867), (Start: 238 @53684 has 44 MA's), (253, 53654), (347, 53474), (395, 53369), (408, 53321), (412, 53309), (422, 53279), (426, 53273), (445, 53210), (447, 53204), (486, 53153), (499, 53117), (516, 53069), (557, 52964), (596, 52868), (627, 52817), (676, 52673), (684, 52634), (691, 52604), (696, 52577), (700, 52565), (727, 52469), (729, 52463), (732, 52454), (734, 52442), (759, 52370), (765, 52340), (771, 52322), (773, 52313), (796, 52244), (800, 52232), (806, 52211), (840, 52142), (849, 52127), (854, 52103), (857, 52082), (862, 52064), (864, 52058), (877, 52025), (879, 52019), (882, 52001), (884, 51989), (888, 51977), (892, 51965), (908, 51923), (922, 51893),

Gene: Orfeu_59 Start: 54570, Stop: 52711, Start Num: 197

Candidate Starts for Orfeu_59:

(Start: 175 @54594 has 5 MA's), (Start: 197 @54570 has 267 MA's), (Start: 231 @54546 has 5 MA's), (Start: 243 @54540 has 2 MA's), (260, 54498), (267, 54477), (316, 54363), (319, 54357), (337, 54327), (371, 54267), (381, 54246), (399, 54192), (403, 54180), (409, 54162), (413, 54150), (445, 54045), (486, 53988), (499, 53952), (502, 53940), (512, 53913), (524, 53886), (531, 53868), (539, 53850), (553, 53811), (556, 53802), (557, 53799), (558, 53796), (690, 53439), (696, 53406), (702, 53385), (729, 53292), (732, 53283), (747, 53220), (765, 53184), (766, 53181), (771, 53166), (796, 53088), (800, 53076), (806, 53055), (822, 53016), (857, 52926), (862, 52908), (864, 52902), (870, 52887), (879, 52863), (881, 52848), (882, 52845), (884, 52833), (892, 52809), (911, 52761), (922, 52737),

Gene: Orion_62 Start: 53975, Stop: 52116, Start Num: 197

Candidate Starts for Orion_62:

(Start: 175 @53999 has 5 MA's), (Start: 197 @53975 has 267 MA's), (Start: 231 @53951 has 5 MA's), (Start: 243 @53945 has 2 MA's), (260, 53903), (267, 53882), (316, 53768), (319, 53762), (337, 53732), (371, 53672), (381, 53651), (399, 53597), (403, 53585), (409, 53567), (413, 53555), (445, 53450), (486, 53393), (499, 53357), (502, 53345), (512, 53318), (524, 53291), (531, 53273), (539, 53255), (553, 53216), (556, 53207), (557, 53204), (664, 52946), (690, 52844), (696, 52811), (702, 52790), (729, 52697), (732, 52688), (747, 52625), (765, 52589), (766, 52586), (771, 52571), (796, 52493), (800, 52481), (806, 52460), (822, 52421), (857, 52331), (862, 52313), (864, 52307), (870, 52292), (879, 52268), (881, 52253), (882, 52250), (884, 52238), (892, 52214), (911, 52166), (922, 52142),

Gene: Orla_51 Start: 35183, Stop: 32787, Start Num: 39

Candidate Starts for Orla_51:

(13, 35312), (15, 35303), (Start: 39 @35183 has 23 MA's), (80, 35051), (83, 35039), (100, 34994), (121, 34931), (132, 34910), (160, 34877), (198, 34820), (241, 34772), (248, 34757), (266, 34709), (311, 34634), (313, 34628), (315, 34622), (317, 34616), (352, 34547), (366, 34523), (379, 34499), (405, 34424), (412, 34403), (428, 34355), (432, 34343), (447, 34298), (487, 34142), (489, 34136), (547, 34007), (594, 33959), (601, 33947), (634, 33875), (655, 33833), (685, 33722), (693, 33680), (699, 33656), (701, 33647), (712, 33605), (735, 33512), (744, 33476), (746, 33470), (748, 33464), (750, 33458), (766, 33401), (773, 33377), (778, 33359), (803, 33266), (830, 33197), (844, 33158), (854, 33119), (857, 33098), (868, 33065), (873, 33047), (896, 32951), (902, 32927), (918, 32888), (944, 32819),

Gene: Orwigg_61 Start: 53955, Stop: 52096, Start Num: 197

Candidate Starts for Orwigg_61:

(Start: 175 @53979 has 5 MA's), (Start: 197 @53955 has 267 MA's), (Start: 231 @53931 has 5 MA's), (Start: 243 @53925 has 2 MA's), (260, 53883), (267, 53862), (316, 53748), (319, 53742), (337, 53712), (371, 53652), (381, 53631), (399, 53577), (403, 53565), (409, 53547), (413, 53535), (445, 53430), (486, 53373), (499, 53337), (502, 53325), (511, 53301), (516, 53289), (524, 53271), (531, 53253), (539, 53235), (553, 53196), (556, 53187), (557, 53184), (558, 53181), (664, 52926), (690, 52824), (696, 52791), (702, 52770), (729, 52677), (732, 52668), (747, 52605), (765, 52569), (766, 52566), (771, 52551), (796, 52473), (800, 52461), (806, 52440), (822, 52401), (857, 52311), (862, 52293), (864, 52287), (870, 52272), (879, 52248), (881, 52233), (882, 52230), (884, 52218), (892, 52194), (911, 52146), (922, 52122),

Gene: Oxtober96_39 Start: 28935, Stop: 27070, Start Num: 270

Candidate Starts for Oxtober96_39:

(Start: 216 @29022 has 3 MA's), (219, 29019), (263, 28950), (Start: 270 @28935 has 147 MA's), (Start: 276 @28926 has 5 MA's), (333, 28821), (336, 28812), (353, 28782), (355, 28779), (408, 28659), (412, 28647), (415, 28641), (449, 28536), (456, 28509), (493, 28368), (498, 28359), (500, 28347), (508, 28320), (509, 28317), (514, 28302), (516, 28296), (518, 28290), (531, 28257), (629, 28068), (728, 27753), (731, 27744), (732, 27741), (735, 27723), (746, 27681), (748, 27675), (756, 27651), (773, 27594), (820, 27435), (834, 27405), (836, 27396), (854, 27336), (858, 27312), (870, 27273), (879, 27240), (880, 27228), (896, 27168),

Gene: P28Green_49 Start: 31855, Stop: 30041, Start Num: 229

Candidate Starts for P28Green_49:

(Start: 229 @31855 has 918 MA's), (255, 31816), (261, 31804), (341, 31651), (349, 31636), (382, 31579), (402, 31522), (404, 31513), (418, 31471), (432, 31420), (448, 31369), (500, 31276), (516, 31228), (519, 31219), (528, 31204), (543, 31165), (553, 31138), (566, 31108), (607, 31015), (639, 30955), (649, 30940), (695, 30784), (719, 30697), (735, 30631), (745, 30592), (766, 30520), (777, 30481), (786, 30457), (792, 30439), (802, 30406), (811, 30379), (840, 30325), (857, 30265), (881, 30187), (898, 30130), (903, 30118), (909, 30109),

Gene: PG1_61 Start: 54546, Stop: 52687, Start Num: 197

Candidate Starts for PG1_61:

(Start: 175 @54570 has 5 MA's), (Start: 197 @54546 has 267 MA's), (Start: 231 @54522 has 5 MA's), (Start: 243 @54516 has 2 MA's), (260, 54474), (267, 54453), (316, 54339), (319, 54333), (337, 54303), (371, 54243), (381, 54222), (399, 54168), (403, 54156), (409, 54138), (413, 54126), (445, 54021), (486, 53964), (499, 53928), (502, 53916), (512, 53889), (524, 53862), (531, 53844), (539, 53826), (553, 53787), (556, 53778), (557, 53775), (664, 53517), (690, 53415), (696, 53382), (702, 53361), (729, 53268), (732, 53259), (747, 53196), (765, 53160), (766, 53157), (771, 53142), (796, 53064), (800, 53052), (806, 53031), (822, 52992), (857, 52902), (862, 52884), (864, 52878), (870, 52863), (879, 52839), (881, 52824), (882, 52821), (884, 52809), (892, 52785), (911, 52737), (922, 52713),

Gene: PGHhamlin_50 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for PGHhamlin_50:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614, 30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: PP_46 Start: 35109, Stop: 33271, Start Num: 229

Candidate Starts for PP_46:

(Start: 229 @35109 has 918 MA's), (261, 35058), (341, 34905), (347, 34896), (354, 34881), (378, 34845), (402, 34776), (404, 34767), (408, 34755), (448, 34623), (500, 34527), (517, 34479), (519, 34473), (543, 34419), (611, 34266), (635, 34221), (695, 34029), (704, 33999), (732, 33894), (735, 33876), (736, 33873), (745, 33837), (766, 33765), (771, 33750), (791, 33687), (837, 33561), (857, 33495), (898, 33360), (903, 33348), (909, 33339),

Gene: PSullivan_44 Start: 33947, Stop: 32121, Start Num: 229

Candidate Starts for PSullivan_44:

(Start: 229 @33947 has 918 MA's), (347, 33734), (354, 33719), (382, 33671), (394, 33641), (400, 33620), (402, 33614), (404, 33605), (440, 33488), (448, 33461), (500, 33368), (504, 33353), (511, 33332), (539, 33269), (540, 33266), (566, 33200), (580, 33170), (592, 33140), (614, 33095), (635, 33056), (695, 32876), (704, 32846), (705, 32828), (707, 32825), (719, 32789), (735, 32723), (745, 32684), (758, 32663), (765, 32642), (771, 32624), (792, 32558), (853, 32408), (854, 32405), (861, 32369), (874, 32336), (878, 32324), (898, 32249), (909, 32228),

Gene: PacerPaul_45 Start: 34817, Stop: 32991, Start Num: 229

Candidate Starts for PacerPaul_45:

(Start: 229 @34817 has 918 MA's), (347, 34604), (354, 34589), (394, 34511), (400, 34490), (402, 34484), (404, 34475), (440, 34358), (448, 34331), (500, 34238), (504, 34223), (516, 34190), (539, 34139), (540, 34136), (566, 34070), (580, 34040), (592, 34010), (614, 33965), (635, 33926), (695, 33746), (704, 33716), (705, 33698), (707, 33695), (719, 33659), (735, 33593), (765, 33512), (766, 33509), (792, 33428), (850, 33293), (853, 33278), (854, 33275), (861, 33239), (870, 33215), (874, 33206), (878, 33194), (883, 33167), (898, 33119), (909, 33098),

Gene: Pacifista_59 Start: 54030, Stop: 52171, Start Num: 197

Candidate Starts for Pacifista_59:

(Start: 175 @54054 has 5 MA's), (Start: 197 @54030 has 267 MA's), (Start: 231 @54006 has 5 MA's), (Start: 243 @54000 has 2 MA's), (260, 53958), (267, 53937), (316, 53823), (319, 53817), (337, 53787), (371, 53727), (381, 53706), (399, 53652), (403, 53640), (409, 53622), (413, 53610), (445, 53505), (486, 53448), (499, 53412), (502, 53400), (511, 53376), (516, 53364), (524, 53346), (531, 53328), (539, 53310), (553, 53271), (556, 53262), (557, 53259), (558, 53256), (690, 52899), (696, 52866), (702, 52845), (729, 52752), (732, 52743), (747, 52680), (765, 52644), (766, 52641), (771, 52626), (796, 52548), (800, 52536), (806, 52515), (822, 52476), (857, 52386), (862, 52368), (864, 52362), (870, 52347), (879, 52323), (881, 52308), (882, 52305), (884, 52293), (892, 52269), (911, 52221), (922, 52197),

Gene: PackMan_44 Start: 31483, Stop: 29690, Start Num: 229

Candidate Starts for PackMan_44:

(Start: 229 @31483 has 918 MA's), (Start: 244 @31474 has 1 MA's), (261, 31432), (325, 31312), (327, 31309), (350, 31261), (383, 31201), (395, 31171), (398, 31159), (402, 31147), (448, 30994), (500, 30901), (553, 30763), (566, 30733), (640, 30574), (649, 30562), (666, 30535), (692, 30427), (695, 30406), (732, 30271), (735, 30253), (765, 30172), (777, 30130), (802, 30055), (837, 29980), (853, 29938), (881, 29836), (898, 29779), (903, 29767), (909, 29758),

Gene: PainterBoy_45 Start: 30908, Stop: 29076, Start Num: 229

Candidate Starts for PainterBoy_45:

(Start: 229 @30908 has 918 MA's), (341, 30704), (343, 30701), (365, 30665), (382, 30632), (383, 30629), (394, 30602), (400, 30581), (402, 30575), (404, 30566), (418, 30524), (441, 30446), (448, 30422), (500, 30329), (566, 30161), (666, 29963), (695, 29834), (723, 29738), (732, 29699), (735, 29681), (763, 29609), (765, 29600), (808, 29462), (852, 29375), (853, 29366), (881, 29264), (898, 29207), (903, 29195), (947, 29090),

Gene: Pajaza_35 Start: 27722, Stop: 25905, Start Num: 269

Candidate Starts for Pajaza_35:

(Start: 269 @27722 has 4 MA's), (278, 27707), (412, 27431), (415, 27425), (471, 27290), (475, 27275), (497, 27197), (498, 27194), (500, 27182), (509, 27152), (530, 27095), (610, 26948), (678, 26768), (716, 26630), (731, 26579), (732, 26576), (735, 26558), (736, 26555), (746, 26516), (773, 26429), (781, 26402), (820, 26270), (858, 26147), (869, 26114), (870, 26108), (873, 26099), (896, 26003), (897, 25997),

Gene: Palestino_44 Start: 31570, Stop: 29741, Start Num: 229

Candidate Starts for Palestino_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (560, 30838), (564, 30832), (598, 30751), (611, 30730), (635, 30685), (692, 30520), (695, 30499), (735, 30346), (744, 30310), (745, 30307), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Panamaxus_42 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for Panamaxus_42:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Papafritta_38 Start: 28640, Stop: 26775, Start Num: 270

Candidate Starts for Papafritta_38:

(Start: 216 @28727 has 3 MA's), (219, 28724), (Start: 270 @28640 has 147 MA's), (Start: 276 @28631 has 5 MA's), (333, 28526), (336, 28517), (353, 28487), (355, 28484), (408, 28364), (412, 28352), (415, 28346), (449, 28241), (456, 28214), (493, 28073), (497, 28067), (498, 28064), (500, 28052), (508, 28025), (509, 28022), (514, 28007), (516, 28001), (518, 27995), (531, 27962), (602, 27833), (629, 27773), (728, 27458), (731, 27449), (732, 27446), (735, 27428), (746, 27386), (748, 27380), (751, 27371), (756, 27356), (773, 27299), (820, 27140), (834, 27110), (836, 27101), (854, 27041), (858, 27017), (870, 26978), (879, 26945), (880, 26933), (896, 26873),

Gene: Papez_47 Start: 36969, Stop: 35152, Start Num: 229

Candidate Starts for Papez_47:

(Start: 229 @36969 has 918 MA's), (347, 36756), (382, 36693), (394, 36663), (400, 36642), (402, 36636), (404, 36627), (432, 36534), (440, 36510), (448, 36483), (500, 36390), (504, 36375), (516, 36342), (539, 36291), (540, 36288), (566, 36222), (592, 36162), (614, 36117), (635, 36078), (695, 35898), (705, 35850), (718, 35814), (719, 35811), (735, 35745), (745, 35706), (758, 35685), (765, 35664), (771, 35646), (792, 35580), (853, 35430), (854, 35427), (861, 35391), (870, 35367), (874, 35358), (878, 35346), (898, 35271), (909, 35250),

Gene: Paphu_43 Start: 34328, Stop: 32499, Start Num: 229

Candidate Starts for Paphu_43:

(Start: 229 @34328 has 918 MA's), (347, 34115), (354, 34100), (394, 34022), (400, 34001), (402, 33995), (404, 33986), (440, 33869), (448, 33842), (500, 33749), (504, 33734), (516, 33701), (539, 33650), (540, 33647), (566, 33581), (580, 33551), (592, 33521), (614, 33476), (635, 33437), (695, 33257), (705, 33209), (723, 33161), (732, 33122), (735, 33104), (745, 33065), (758, 33044), (765, 33023), (770, 33008), (808, 32885), (875, 32714), (880, 32690), (895, 32642), (898, 32630), (909, 32609), (912, 32603), (928, 32555), (935, 32540),

Gene: Paraselene_43 Start: 34680, Stop: 32854, Start Num: 229

Candidate Starts for Paraselene_43:

(Start: 229 @34680 has 918 MA's), (347, 34467), (354, 34452), (382, 34404), (394, 34374), (400, 34353), (402, 34347), (404, 34338), (440, 34221), (448, 34194), (500, 34101), (504, 34086), (516, 34053), (539, 34002), (540, 33999), (566, 33933), (580, 33903), (592, 33873), (614, 33828), (635, 33789), (695, 33609), (705, 33561), (719, 33522), (735, 33456), (745, 33417), (758, 33396), (765, 33375), (771, 33357), (792, 33291), (853, 33141), (854, 33138), (861, 33102), (870, 33078), (874, 33069), (878, 33057), (898, 32982), (909, 32961),

Gene: Pari_45 Start: 34105, Stop: 32279, Start Num: 229

Candidate Starts for Pari_45:

(Start: 229 @34105 has 918 MA's), (347, 33892), (354, 33877), (382, 33829), (394, 33799), (400, 33778), (402, 33772), (404, 33763), (440, 33646), (448, 33619), (500, 33526), (504, 33511), (539, 33427), (540, 33424), (566, 33358), (580, 33328), (592, 33298), (614, 33253), (635, 33214), (695, 33034), (705, 32986), (719, 32947), (735, 32881), (745, 32842), (758, 32821), (765, 32800), (771, 32782), (792, 32716), (853, 32566), (854, 32563), (861, 32527), (874, 32494), (878, 32482), (898, 32407), (909, 32386),

Gene: ParleG_39 Start: 28937, Stop: 27072, Start Num: 270

Candidate Starts for ParleG_39:

(Start: 216 @29024 has 3 MA's), (219, 29021), (Start: 270 @28937 has 147 MA's), (Start: 276 @28928 has 5 MA's), (333, 28823), (336, 28814), (353, 28784), (355, 28781), (408, 28661), (412, 28649), (415, 28643), (449, 28538), (456, 28511), (493, 28370), (497, 28364), (498, 28361), (500, 28349), (508, 28322), (509, 28319), (514, 28304), (516, 28298), (518, 28292), (531, 28259), (602, 28130), (629, 28070), (728, 27755), (731, 27746), (732, 27743), (735, 27725), (746, 27683), (748, 27677), (751, 27668), (756, 27653), (773, 27596), (820, 27437), (834, 27407), (836, 27398), (854, 27338), (858, 27314), (870, 27275), (879, 27242), (880, 27230), (896, 27170),

Gene: Parliament_44 Start: 34876, Stop: 33050, Start Num: 229

Candidate Starts for Parliament_44:

(Start: 229 @34876 has 918 MA's), (347, 34663), (382, 34600), (394, 34570), (400, 34549), (402, 34543), (404, 34534), (440, 34417), (448, 34390), (500, 34297), (504, 34282), (539, 34198), (540, 34195), (566, 34129), (580, 34099), (592, 34069), (614, 34024), (635, 33985), (695, 33805), (705, 33757), (707, 33754), (719, 33718), (735, 33652), (745, 33613), (758, 33592), (765, 33571), (771, 33553), (792, 33487), (853, 33337), (854, 33334), (861, 33298), (870, 33274), (874, 33265), (878, 33253), (898, 33178), (909, 33157),

Gene: Partridge_36 Start: 28196, Stop: 26412, Start Num: 229

Candidate Starts for Partridge_36:

(Start: 229 @28196 has 918 MA's), (325, 28025), (361, 27962), (381, 27923), (398, 27875), (402, 27863), (404, 27854), (448, 27710), (500, 27617), (516, 27569), (543, 27506), (553, 27479), (598, 27374), (614, 27347), (635, 27308), (695, 27128), (705, 27080), (735, 26975), (736, 26972), (758, 26915), (765, 26894), (779, 26846), (804, 26771), (837, 26702), (853, 26660), (854, 26657), (857, 26636), (861, 26621), (881, 26558), (898, 26501), (903, 26489), (923, 26450), (925, 26432),

Gene: PascalRango_45 Start: 34446, Stop: 32620, Start Num: 229

Candidate Starts for PascalRango_45:

(Start: 229 @34446 has 918 MA's), (347, 34233), (354, 34218), (382, 34170), (394, 34140), (400, 34119), (402, 34113), (404, 34104), (440, 33987), (448, 33960), (500, 33867), (504, 33852), (539, 33768), (540, 33765), (566, 33699), (580, 33669), (592, 33639), (614, 33594), (635, 33555), (695, 33375), (704, 33345), (705, 33327), (719, 33288), (735, 33222), (765, 33141), (766, 33138), (792, 33057), (853, 32907), (854, 32904), (861, 32868), (870, 32844), (874, 32835), (878, 32823), (898, 32748), (909, 32727),

Gene: Patbob_100 Start: 78526, Stop: 80328, Start Num: 245

Candidate Starts for Patbob_100:

(Start: 245 @78526 has 2 MA's), (271, 78589), (280, 78601), (335, 78712), (368, 78766), (403, 78847), (412, 78874), (415, 78880), (440, 78949), (451, 78985), (500, 79054), (532, 79132), (543, 79159), (548, 79174), (635, 79363), (658, 79408), (668, 79432), (671, 79441), (675, 79459), (682, 79492), (692, 79531), (695, 79552), (698, 79558), (726, 79672), (744, 79756), (750, 79774), (764, 79822), (767, 79834), (777, 79870), (789, 79903), (792, 79912), (806, 79957), (812, 79975), (849, 80059), (853, 80080), (858, 80107), (880, 80179), (885, 80203), (898, 80239), (913, 80266),

Gene: PattyP_45 Start: 34329, Stop: 32500, Start Num: 229

Candidate Starts for PattyP_45:

(Start: 229 @34329 has 918 MA's), (347, 34116), (354, 34101), (382, 34053), (394, 34023), (400, 34002), (402, 33996), (404, 33987), (429, 33903), (440, 33870), (448, 33843), (500, 33750), (504, 33735), (539, 33651), (540, 33648), (566, 33582), (580, 33552), (592, 33522), (614, 33477), (635, 33438), (695, 33258), (705, 33210), (723, 33162), (732, 33123), (735, 33105), (745, 33066), (758, 33045), (765, 33024), (770, 33009), (808, 32886), (875, 32715), (880, 32691), (895, 32643), (898, 32631), (909, 32610), (912, 32604), (928, 32556), (935, 32541),

Gene: PauloDiaboli_117 Start: 81175, Stop: 79307, Start Num: 244

Candidate Starts for PauloDiaboli_117:

(184, 81250), (Start: 226 @81196 has 7 MA's), (Start: 235 @81187 has 5 MA's), (Start: 244 @81175 has 1 MA's), (330, 80977), (343, 80950), (368, 80911), (396, 80848), (403, 80830), (412, 80803), (415, 80797), (451, 80689), (502, 80611), (509, 80590), (520, 80557), (532, 80527), (543, 80500), (567, 80440), (617, 80335), (635, 80302), (668, 80233), (671, 80224), (695, 80113), (725, 79999), (742, 79915), (747, 79900), (777, 79789), (779, 79783), (783, 79771), (789, 79756), (824, 79654), (829, 79645), (857, 79555), (870, 79516), (875, 79504), (881, 79477), (898, 79420), (911, 79396),

Gene: Pawn_48 Start: 31757, Stop: 29943, Start Num: 229

Candidate Starts for Pawn_48:

(Start: 229 @31757 has 918 MA's), (255, 31718), (261, 31706), (341, 31553), (349, 31538), (382, 31481), (402, 31424), (404, 31415), (418, 31373), (432, 31322), (448, 31271), (500, 31178), (516, 31130), (528, 31106), (543, 31067), (553, 31040), (566, 31010), (607, 30917), (614, 30905), (639, 30857), (649, 30842), (695, 30686), (707, 30635), (718, 30602), (719, 30599), (735, 30533), (745, 30494), (766, 30422), (777, 30383), (786, 30359), (792, 30341), (802, 30308), (840, 30227), (857, 30167), (862, 30149), (881, 30089), (883, 30080), (898, 30032), (903, 30020), (909, 30011),

Gene: Payneful_44 Start: 33908, Stop: 32082, Start Num: 229

Candidate Starts for Payneful_44:

(Start: 229 @33908 has 918 MA's), (347, 33695), (354, 33680), (394, 33602), (400, 33581), (402, 33575), (404, 33566), (440, 33449), (448, 33422), (500, 33329), (504, 33314), (539, 33230), (540, 33227), (566, 33161), (580, 33131), (592, 33101), (614, 33056), (635, 33017), (695, 32837), (704, 32807), (705, 32789), (707, 32786), (719, 32750), (735, 32684), (765, 32603), (766, 32600), (792, 32519), (853, 32369), (854, 32366), (861, 32330), (870, 32306), (874, 32297), (878, 32285), (883, 32258), (898, 32210), (909, 32189),

Gene: PeaceMeal1_42 Start: 30387, Stop: 28555, Start Num: 229

Candidate Starts for PeaceMeal1_42:

(Start: 229 @30387 has 918 MA's), (261, 30336), (298, 30270), (341, 30183), (347, 30174), (378, 30123), (382, 30111), (402, 30054), (425, 29973), (429, 29961), (432, 29952), (441, 29925), (448, 29901), (500, 29808), (512, 29769), (543, 29700), (553, 29673), (614, 29541), (695, 29313), (714, 29247), (728, 29190), (735, 29160), (745, 29121), (766, 29049), (771, 29034), (777, 29010), (792, 28968), (802, 28935), (857, 28779), (864, 28755), (883, 28692), (898, 28644), (903, 28632), (909, 28623),

Gene: Peaches_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Peaches_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: Peep_39 Start: 28922, Stop: 27057, Start Num: 270

Candidate Starts for Peep_39:

(Start: 216 @29009 has 3 MA's), (219, 29006), (Start: 270 @28922 has 147 MA's), (Start: 276 @28913 has 5 MA's), (333, 28808), (336, 28799), (353, 28769), (355, 28766), (408, 28646), (412, 28634), (415, 28628), (449, 28523), (456, 28496), (493, 28355), (497, 28349), (498, 28346), (500, 28334), (508, 28307), (509, 28304), (514, 28289), (516, 28283), (518, 28277), (531, 28244), (602, 28115), (629, 28055), (685, 27890), (728, 27740), (731, 27731), (732, 27728), (735, 27710), (746, 27668), (748, 27662), (751, 27653), (756, 27638), (773, 27581), (820, 27422), (834, 27392), (836, 27383), (854, 27323), (858, 27299), (870, 27260), (879, 27227), (880, 27215), (896, 27155),

Gene: Pelly_44 Start: 34856, Stop: 33030, Start Num: 229

Candidate Starts for Pelly_44:

(Start: 229 @34856 has 918 MA's), (354, 34628), (382, 34580), (394, 34550), (400, 34529), (402, 34523), (404, 34514), (440, 34397), (448, 34370), (500, 34277), (504, 34262), (516, 34229), (539, 34178), (540, 34175), (560, 34121), (566, 34109), (580, 34079), (592, 34049), (614, 34004), (635, 33965), (695, 33785), (705, 33737), (719, 33698), (735, 33632), (745, 33593), (758, 33572), (765, 33551), (771, 33533), (792, 33467), (853, 33317), (854, 33314), (861, 33278), (870, 33254), (878, 33233), (883, 33206), (898, 33158), (909, 33137),

Gene: Pembroke_48 Start: 31854, Stop: 30040, Start Num: 229

Candidate Starts for Pembroke_48:

(Start: 229 @31854 has 918 MA's), (255, 31815), (261, 31803), (341, 31650), (349, 31635), (382, 31578), (402, 31521), (404, 31512), (418, 31470), (432, 31419), (448, 31368), (500, 31275), (516, 31227), (519, 31218), (528, 31203), (543, 31164), (553, 31137), (566, 31107), (607, 31014), (614, 31002), (639, 30954), (649, 30939), (695, 30783), (719, 30696), (735, 30630), (745, 30591), (766, 30519), (777, 30480), (786, 30456), (792, 30438), (802, 30405), (811, 30378), (840, 30324), (857, 30264), (881, 30186), (898, 30129), (903, 30117), (909, 30108),

Gene: PenguinLover67_56 Start: 54688, Stop: 52865, Start Num: 201

Candidate Starts for PenguinLover67_56:

(199, 54691), (Start: 201 @54688 has 1 MA's), (Start: 243 @54667 has 2 MA's), (253, 54640), (273, 54595), (285, 54586), (298, 54568), (343, 54475), (403, 54337), (412, 54313), (420, 54292), (445, 54205), (486, 54148), (499, 54112), (502, 54100), (511, 54076), (512, 54073), (516, 54064), (556, 53956), (557, 53953), (558, 53950), (570, 53923), (656, 53722), (676, 53656), (677, 53653), (679, 53635), (684, 53617), (690, 53593), (691, 53587), (696, 53560), (727, 53452), (729, 53446), (732, 53437), (765, 53338), (766, 53335), (771, 53320), (796, 53242), (800, 53230), (806, 53209), (812, 53191), (827, 53161), (849, 53125), (857, 53080), (862, 53062), (864, 53056), (869, 53047), (879, 53017), (880, 53005), (881, 53002), (892, 52963), (900, 52939), (911, 52915), (922, 52891), (925, 52870),

Gene: Penny1_49 Start: 31856, Stop: 30042, Start Num: 229

Candidate Starts for Penny1_49:

(Start: 229 @31856 has 918 MA's), (255, 31817), (261, 31805), (341, 31652), (349, 31637), (382, 31580), (402, 31523), (404, 31514), (418, 31472), (432, 31421), (448, 31370), (500, 31277), (516,

31229), (519, 31220), (528, 31205), (543, 31166), (553, 31139), (566, 31109), (607, 31016), (639, 30956), (649, 30941), (695, 30785), (719, 30698), (735, 30632), (745, 30593), (766, 30521), (777, 30482), (786, 30458), (792, 30440), (802, 30407), (811, 30380), (840, 30326), (857, 30266), (881, 30188), (898, 30131), (903, 30119), (909, 30110),

Gene: Pepe_42 Start: 33016, Stop: 31229, Start Num: 229

Candidate Starts for Pepe_42:

(Start: 229 @33016 has 918 MA's), (347, 32803), (354, 32788), (382, 32740), (394, 32710), (400, 32689), (402, 32683), (404, 32674), (440, 32557), (448, 32530), (500, 32437), (504, 32422), (539, 32338), (540, 32335), (566, 32269), (580, 32239), (592, 32209), (614, 32164), (635, 32125), (695, 31945), (705, 31897), (719, 31858), (735, 31792), (763, 31720), (765, 31711), (792, 31627), (823, 31540), (870, 31414), (875, 31402), (891, 31342), (898, 31318), (901, 31312),

Gene: Peppino_38 Start: 29047, Stop: 27182, Start Num: 270

Candidate Starts for Peppino_38:

(Start: 270 @29047 has 147 MA's), (Start: 276 @29038 has 5 MA's), (407, 28774), (412, 28759), (415, 28753), (456, 28621), (471, 28567), (493, 28480), (498, 28471), (500, 28459), (508, 28432), (509, 28429), (514, 28414), (516, 28408), (670, 28078), (728, 27865), (731, 27856), (732, 27853), (735, 27835), (746, 27793), (751, 27778), (773, 27706), (781, 27679), (820, 27547), (834, 27517), (854, 27448), (858, 27424), (860, 27418), (870, 27385), (879, 27352), (880, 27340),

Gene: Percival_49 Start: 32475, Stop: 34340, Start Num: 227

Candidate Starts for Percival_49:

(142, 32349), (Start: 178 @32418 has 1 MA's), (Start: 227 @32475 has 8 MA's), (394, 32772), (437, 32916), (501, 33069), (543, 33177), (553, 33204), (581, 33264), (607, 33324), (611, 33330), (640, 33387), (643, 33393), (678, 33507), (695, 33588), (712, 33651), (726, 33705), (728, 33711), (779, 33888), (786, 33906), (789, 33915), (793, 33927), (823, 34011), (862, 34119), (879, 34164), (898, 34236), (930, 34314), (942, 34335),

Gene: Perplexer_44 Start: 31519, Stop: 29690, Start Num: 229

Candidate Starts for Perplexer_44:

(Start: 229 @31519 has 918 MA's), (261, 31468), (273, 31438), (365, 31276), (376, 31258), (382, 31243), (402, 31186), (404, 31177), (441, 31057), (448, 31033), (483, 30991), (500, 30940), (517, 30892), (528, 30871), (543, 30832), (560, 30787), (564, 30781), (598, 30700), (611, 30679), (635, 30634), (692, 30469), (695, 30448), (735, 30295), (745, 30256), (766, 30184), (771, 30169), (777, 30145), (783, 30127), (786, 30121), (788, 30115), (857, 29914), (898, 29779), (903, 29767), (909, 29758),

Gene: Perseus_45 Start: 35152, Stop: 33323, Start Num: 229

Candidate Starts for Perseus_45:

(Start: 229 @35152 has 918 MA's), (347, 34939), (354, 34924), (394, 34846), (400, 34825), (402, 34819), (404, 34810), (429, 34726), (440, 34693), (448, 34666), (500, 34573), (504, 34558), (511, 34537), (516, 34525), (539, 34474), (540, 34471), (566, 34405), (580, 34375), (592, 34345), (614, 34300), (635, 34261), (695, 34081), (705, 34033), (723, 33985), (732, 33946), (735, 33928), (745, 33889), (758, 33868), (765, 33847), (770, 33832), (808, 33709), (875, 33538), (880, 33514), (895, 33466), (898, 33454), (909, 33433), (912, 33427), (928, 33379), (935, 33364),

Gene: PeterPeter_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for PeterPeter_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777,

30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Petersenfast_43 Start: 30332, Stop: 28545, Start Num: 229

Candidate Starts for Petersenfast_43:

(Start: 229 @30332 has 918 MA's), (341, 30128), (382, 30056), (394, 30026), (402, 29999), (501, 29747), (519, 29696), (553, 29615), (575, 29570), (576, 29567), (611, 29486), (640, 29429), (667, 29387), (678, 29342), (695, 29261), (707, 29210), (719, 29174), (735, 29108), (758, 29048), (763, 29036), (795, 28934), (802, 28910), (807, 28892), (840, 28829), (852, 28802), (853, 28793), (857, 28769), (898, 28634), (903, 28622), (909, 28613),

Gene: Peterson_48 Start: 37027, Stop: 35201, Start Num: 229

Candidate Starts for Peterson_48:

(Start: 229 @37027 has 918 MA's), (347, 36814), (354, 36799), (394, 36721), (402, 36694), (440, 36568), (448, 36541), (500, 36448), (504, 36433), (516, 36400), (539, 36349), (540, 36346), (566, 36280), (580, 36250), (592, 36220), (614, 36175), (635, 36136), (695, 35956), (705, 35908), (719, 35869), (735, 35803), (745, 35764), (758, 35743), (765, 35722), (771, 35704), (792, 35638), (853, 35488), (854, 35485), (861, 35449), (870, 35425), (874, 35416), (878, 35404), (898, 35329), (909, 35308),

Gene: PetiteSangsue_44 Start: 31522, Stop: 29693, Start Num: 229

Candidate Starts for PetiteSangsue_44:

(Start: 229 @31522 has 918 MA's), (261, 31471), (273, 31441), (365, 31279), (376, 31261), (382, 31246), (402, 31189), (404, 31180), (441, 31060), (448, 31036), (483, 30994), (500, 30943), (517, 30895), (528, 30874), (543, 30835), (560, 30790), (564, 30784), (598, 30703), (611, 30682), (635, 30637), (692, 30472), (695, 30451), (735, 30298), (745, 30259), (766, 30187), (771, 30172), (777, 30148), (783, 30130), (786, 30124), (788, 30118), (857, 29917), (898, 29782), (903, 29770), (909, 29761),

Gene: Petp2012_45 Start: 34941, Stop: 33115, Start Num: 229

Candidate Starts for Petp2012_45:

(Start: 229 @34941 has 918 MA's), (347, 34728), (354, 34713), (382, 34665), (394, 34635), (400, 34614), (402, 34608), (404, 34599), (440, 34482), (448, 34455), (500, 34362), (504, 34347), (511, 34326), (539, 34263), (540, 34260), (566, 34194), (580, 34164), (592, 34134), (614, 34089), (635, 34050), (695, 33870), (705, 33822), (719, 33783), (735, 33717), (745, 33678), (758, 33657), (765, 33636), (771, 33618), (792, 33552), (853, 33402), (854, 33399), (861, 33363), (870, 33339), (874, 33330), (878, 33318), (898, 33243), (909, 33222),

Gene: Petruccio_45 Start: 34801, Stop: 32972, Start Num: 229

Candidate Starts for Petruccio_45:

(Start: 229 @34801 has 918 MA's), (347, 34588), (354, 34573), (382, 34525), (394, 34495), (400, 34474), (402, 34468), (404, 34459), (440, 34342), (448, 34315), (500, 34222), (504, 34207), (516, 34174), (539, 34123), (540, 34120), (560, 34066), (566, 34054), (580, 34024), (592, 33994), (614, 33949), (635, 33910), (695, 33730), (705, 33682), (723, 33634), (732, 33595), (735, 33577), (745, 33538), (758, 33517), (765, 33496), (770, 33481), (808, 33358), (875, 33187), (880, 33163), (895, 33115), (898, 33103), (909, 33082), (912, 33076), (928, 33028), (935, 33013),

Gene: PetterN_40 Start: 30056, Stop: 28191, Start Num: 229

Candidate Starts for PetterN_40:

(168, 30131), (Start: 195 @30089 has 2 MA's), (Start: 229 @30056 has 918 MA's), (296, 29945), (341, 29852), (343, 29849), (382, 29780), (383, 29777), (394, 29750), (402, 29723), (404, 29714), (429, 29630), (432, 29621), (437, 29606), (448, 29570), (489, 29510), (500, 29474), (516, 29426), (527, 29405), (528, 29402), (550, 29342), (586, 29264), (607, 29216), (614, 29204), (639, 29156), (664, 29105), (695, 28970), (705, 28922), (719, 28883), (723, 28874), (729, 28844), (735, 28817), (736,

28814), (765, 28736), (771, 28718), (786, 28670), (802, 28619), (823, 28565), (828, 28556), (840, 28538), (862, 28460), (898, 28343), (903, 28331), (947, 28226),

Gene: Ph8s_46 Start: 30526, Stop: 28739, Start Num: 229

Candidate Starts for Ph8s_46:

(Start: 229 @30526 has 918 MA's), (341, 30322), (382, 30250), (383, 30247), (394, 30220), (402, 30193), (408, 30172), (448, 30040), (500, 29947), (516, 29899), (553, 29809), (576, 29761), (695, 29455), (718, 29371), (719, 29368), (728, 29332), (735, 29302), (745, 29263), (758, 29242), (763, 29230), (765, 29221), (769, 29209), (802, 29104), (811, 29077), (828, 29041), (840, 29023), (853, 28987), (857, 28963), (898, 28828), (903, 28816), (909, 28807),

Gene: Phacado_45 Start: 31569, Stop: 29743, Start Num: 229

Candidate Starts for Phacado_45:

(Start: 229 @31569 has 918 MA's), (250, 31548), (261, 31518), (273, 31488), (365, 31326), (376, 31308), (402, 31236), (404, 31227), (441, 31107), (448, 31083), (500, 30990), (517, 30942), (528, 30921), (543, 30882), (598, 30750), (611, 30729), (635, 30684), (640, 30672), (692, 30519), (695, 30498), (728, 30375), (735, 30345), (745, 30306), (765, 30240), (766, 30237), (771, 30222), (777, 30198), (786, 30174), (857, 29967), (898, 29832), (903, 29820), (909, 29811),

Gene: Phaded_46 Start: 32625, Stop: 30835, Start Num: 229

Candidate Starts for Phaded_46:

(Start: 229 @32625 has 918 MA's), (341, 32421), (347, 32412), (383, 32343), (394, 32316), (402, 32289), (448, 32136), (500, 32043), (516, 31995), (519, 31986), (528, 31971), (553, 31905), (567, 31872), (603, 31788), (649, 31707), (667, 31677), (695, 31551), (704, 31521), (707, 31500), (728, 31428), (735, 31398), (745, 31359), (758, 31338), (765, 31317), (769, 31305), (828, 31137), (853, 31083), (857, 31059), (877, 31002), (881, 30981), (898, 30924), (903, 30912), (909, 30903),

Gene: Phaeder_45 Start: 31483, Stop: 29690, Start Num: 229

Candidate Starts for Phaeder_45:

(Start: 229 @31483 has 918 MA's), (Start: 244 @31474 has 1 MA's), (261, 31432), (325, 31312), (327, 31309), (350, 31261), (383, 31201), (395, 31171), (398, 31159), (402, 31147), (448, 30994), (500, 30901), (553, 30763), (566, 30733), (640, 30574), (649, 30562), (666, 30535), (692, 30427), (695, 30406), (732, 30271), (735, 30253), (765, 30172), (777, 30130), (802, 30055), (837, 29980), (853, 29938), (881, 29836), (898, 29779), (903, 29767), (909, 29758),

Gene: Phaedrus_54 Start: 53117, Stop: 51300, Start Num: 238

Candidate Starts for Phaedrus_54:

(124, 53300), (Start: 238 @53117 has 44 MA's), (253, 53087), (347, 52907), (408, 52754), (412, 52742), (422, 52712), (426, 52706), (445, 52643), (447, 52637), (486, 52586), (498, 52559), (499, 52550), (516, 52502), (557, 52397), (596, 52301), (627, 52250), (676, 52106), (684, 52067), (691, 52037), (696, 52010), (700, 51998), (727, 51902), (729, 51896), (732, 51887), (734, 51875), (759, 51803), (765, 51773), (771, 51755), (773, 51746), (796, 51677), (800, 51665), (806, 51644), (840, 51575), (849, 51560), (854, 51536), (857, 51515), (864, 51491), (879, 51452), (882, 51434), (884, 51422), (888, 51410), (892, 51398), (908, 51356), (922, 51326),

Gene: PhailMary_35 Start: 28435, Stop: 26651, Start Num: 229

Candidate Starts for PhailMary_35:

(Start: 229 @28435 has 918 MA's), (361, 28201), (378, 28171), (381, 28162), (382, 28159), (398, 28114), (402, 28102), (404, 28093), (418, 28051), (448, 27949), (477, 27928), (500, 27856), (514, 27811), (516, 27808), (536, 27766), (538, 27760), (543, 27745), (553, 27718), (598, 27613), (603, 27604), (614, 27586), (635, 27547), (668, 27490), (695, 27367), (705, 27319), (735, 27214), (736, 27211), (758, 27154), (765, 27133), (779, 27085), (804, 27010), (837, 26941), (853, 26899), (857, 26875), (881, 26797), (898, 26740), (903, 26728), (925, 26671),

Gene: Phamished_62 Start: 54237, Stop: 52378, Start Num: 197

Candidate Starts for Phamished_62:

(Start: 175 @54261 has 5 MA's), (Start: 197 @54237 has 267 MA's), (Start: 231 @54213 has 5 MA's), (Start: 243 @54207 has 2 MA's), (260, 54165), (267, 54144), (316, 54030), (319, 54024), (337, 53994), (371, 53934), (381, 53913), (399, 53859), (403, 53847), (409, 53829), (413, 53817), (445, 53712), (486, 53655), (499, 53619), (502, 53607), (511, 53583), (516, 53571), (524, 53553), (531, 53535), (539, 53517), (553, 53478), (556, 53469), (557, 53466), (558, 53463), (690, 53106), (696, 53073), (702, 53052), (729, 52959), (732, 52950), (747, 52887), (765, 52851), (766, 52848), (771, 52833), (796, 52755), (800, 52743), (806, 52722), (822, 52683), (857, 52593), (862, 52575), (864, 52569), (870, 52554), (879, 52530), (881, 52515), (882, 52512), (884, 52500), (892, 52476), (911, 52428), (922, 52404),

Gene: Phantasmagoria_57 Start: 52498, Stop: 50669, Start Num: 189

Candidate Starts for Phantasmagoria_57:

(Start: 189 @52498 has 57 MA's), (Start: 243 @52471 has 2 MA's), (254, 52441), (260, 52429), (271, 52402), (273, 52399), (278, 52390), (298, 52372), (343, 52276), (371, 52225), (382, 52201), (391, 52177), (434, 52039), (439, 52024), (442, 52015), (445, 52003), (486, 51946), (499, 51910), (502, 51898), (511, 51874), (546, 51790), (556, 51760), (557, 51757), (570, 51727), (633, 51583), (659, 51517), (676, 51466), (679, 51445), (684, 51427), (696, 51370), (715, 51313), (723, 51286), (729, 51256), (732, 51247), (747, 51181), (763, 51154), (765, 51145), (771, 51127), (777, 51103), (796, 51049), (800, 51037), (806, 51016), (840, 50947), (857, 50887), (862, 50869), (875, 50836), (879, 50824), (881, 50809), (882, 50806), (884, 50794), (892, 50770), (893, 50767), (911, 50719), (912, 50716), (922, 50695), (925, 50674),

Gene: Phantastic_46 Start: 31173, Stop: 29335, Start Num: 229

Candidate Starts for Phantastic_46:

(173, 31245), (Start: 229 @31173 has 918 MA's), (261, 31122), (341, 30969), (382, 30897), (402, 30840), (404, 30831), (408, 30819), (441, 30711), (448, 30687), (500, 30591), (517, 30543), (543, 30483), (569, 30420), (598, 30351), (611, 30330), (649, 30261), (668, 30216), (695, 30093), (705, 30045), (728, 29970), (735, 29940), (766, 29829), (771, 29814), (777, 29790), (786, 29766), (792, 29748), (837, 29625), (840, 29619), (852, 29592), (857, 29559), (898, 29424), (903, 29412), (909, 29403),

Gene: Pharaoh_39 Start: 30968, Stop: 29124, Start Num: 229

Candidate Starts for Pharaoh_39:

(Start: 229 @30968 has 918 MA's), (250, 30947), (254, 30932), (260, 30920), (347, 30755), (365, 30722), (382, 30689), (383, 30686), (394, 30659), (402, 30632), (408, 30611), (448, 30479), (500, 30386), (516, 30338), (519, 30329), (528, 30314), (543, 30275), (553, 30248), (576, 30200), (603, 30131), (649, 30050), (667, 30008), (682, 29945), (695, 29882), (707, 29831), (719, 29795), (728, 29759), (735, 29729), (745, 29690), (758, 29669), (765, 29648), (802, 29531), (828, 29468), (853, 29414), (857, 29390), (877, 29333), (881, 29312), (898, 29255), (903, 29243), (925, 29186),

Gene: Phareon_59 Start: 53752, Stop: 51893, Start Num: 197

Candidate Starts for Phareon_59:

(Start: 175 @53776 has 5 MA's), (Start: 197 @53752 has 267 MA's), (Start: 231 @53728 has 5 MA's), (Start: 243 @53722 has 2 MA's), (260, 53680), (267, 53659), (316, 53545), (319, 53539), (337, 53509), (371, 53449), (381, 53428), (399, 53374), (403, 53362), (409, 53344), (413, 53332), (445, 53227), (486, 53170), (499, 53134), (502, 53122), (511, 53098), (516, 53086), (524, 53068), (531, 53050), (539, 53032), (553, 52993), (556, 52984), (557, 52981), (558, 52978), (690, 52621), (696, 52588), (702, 52567), (729, 52474), (732, 52465), (747, 52402), (765, 52366), (766, 52363), (771, 52348), (796, 52270), (800, 52258), (806, 52237), (822, 52198), (857, 52108), (862, 52090), (864, 52084), (870, 52069), (879, 52045), (881, 52030), (882, 52027), (884, 52015), (892, 51991), (911,

51943), (922, 51919),

Gene: PhatCats2014_61 Start: 54551, Stop: 52692, Start Num: 197

Candidate Starts for PhatCats2014_61:

(Start: 175 @54575 has 5 MA's), (Start: 197 @54551 has 267 MA's), (Start: 231 @54527 has 5 MA's), (Start: 243 @54521 has 2 MA's), (260, 54479), (267, 54458), (316, 54344), (319, 54338), (337, 54308), (371, 54248), (381, 54227), (399, 54173), (403, 54161), (409, 54143), (413, 54131), (445, 54026), (486, 53969), (499, 53933), (502, 53921), (512, 53894), (524, 53867), (531, 53849), (539, 53831), (553, 53792), (556, 53783), (557, 53780), (664, 53522), (690, 53420), (696, 53387), (702, 53366), (729, 53273), (732, 53264), (747, 53201), (765, 53165), (766, 53162), (771, 53147), (796, 53069), (800, 53057), (806, 53036), (822, 52997), (857, 52907), (862, 52889), (864, 52883), (870, 52868), (879, 52844), (881, 52829), (882, 52826), (884, 52814), (892, 52790), (911, 52742), (922, 52718),

Gene: PhatLouie_62 Start: 54569, Stop: 52710, Start Num: 197

Candidate Starts for PhatLouie_62:

(Start: 175 @54593 has 5 MA's), (Start: 197 @54569 has 267 MA's), (Start: 231 @54545 has 5 MA's), (Start: 243 @54539 has 2 MA's), (260, 54497), (267, 54476), (316, 54362), (319, 54356), (337, 54326), (371, 54266), (381, 54245), (399, 54191), (403, 54179), (409, 54161), (413, 54149), (445, 54044), (486, 53987), (499, 53951), (502, 53939), (511, 53915), (516, 53903), (524, 53885), (531, 53867), (539, 53849), (553, 53810), (556, 53801), (557, 53798), (558, 53795), (690, 53438), (696, 53405), (702, 53384), (729, 53291), (732, 53282), (747, 53219), (765, 53183), (766, 53180), (771, 53165), (796, 53087), (800, 53075), (806, 53054), (822, 53015), (857, 52925), (862, 52907), (864, 52901), (870, 52886), (879, 52862), (881, 52847), (882, 52844), (884, 52832), (892, 52808), (911, 52760), (922, 52736),

Gene: Phayeta_60 Start: 53944, Stop: 52127, Start Num: 238

Candidate Starts for Phayeta_60:

(124, 54127), (Start: 238 @53944 has 44 MA's), (253, 53914), (347, 53734), (408, 53581), (412, 53569), (422, 53539), (426, 53533), (445, 53470), (447, 53464), (486, 53413), (499, 53377), (516, 53329), (557, 53224), (596, 53128), (627, 53077), (676, 52933), (684, 52894), (691, 52864), (696, 52837), (700, 52825), (727, 52729), (729, 52723), (732, 52714), (734, 52702), (759, 52630), (765, 52600), (771, 52582), (773, 52573), (796, 52504), (800, 52492), (806, 52471), (840, 52402), (849, 52387), (854, 52363), (857, 52342), (862, 52324), (864, 52318), (877, 52285), (879, 52279), (882, 52261), (884, 52249), (888, 52237), (892, 52225), (908, 52183), (922, 52153),

Gene: Phelemich_56 Start: 54570, Stop: 52741, Start Num: 189

Candidate Starts for Phelemich_56:

(Start: 189 @54570 has 57 MA's), (224, 54549), (Start: 242 @54540 has 4 MA's), (253, 54513), (260, 54498), (298, 54441), (381, 54273), (408, 54195), (413, 54180), (420, 54162), (425, 54150), (436, 54114), (445, 54084), (499, 53991), (502, 53979), (503, 53976), (511, 53955), (512, 53952), (516, 53943), (524, 53925), (549, 53862), (557, 53838), (603, 53733), (655, 53610), (664, 53586), (673, 53559), (676, 53547), (677, 53544), (679, 53526), (684, 53508), (691, 53478), (696, 53451), (711, 53400), (729, 53337), (732, 53328), (759, 53244), (766, 53211), (771, 53196), (790, 53136), (796, 53118), (800, 53106), (806, 53085), (808, 53076), (810, 53073), (857, 52956), (862, 52938), (864, 52932), (879, 52893), (880, 52881), (881, 52878), (884, 52863), (888, 52851), (892, 52839), (908, 52797), (912, 52788), (922, 52767), (925, 52746),

Gene: Phelipe_46 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Phelipe_46:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695,

30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Phendrix_176 Start: 96123, Stop: 94333, Start Num: 239

Candidate Starts for Phendrix_176:

(Start: 239 @96123 has 2 MA's), (280, 96036), (303, 95994), (334, 95937), (397, 95814), (398, 95811), (407, 95784), (417, 95754), (429, 95727), (446, 95673), (451, 95658), (483, 95628), (500, 95589), (507, 95565), (511, 95553), (532, 95505), (543, 95478), (548, 95463), (572, 95409), (592, 95364), (614, 95319), (669, 95220), (671, 95214), (692, 95118), (695, 95097), (706, 95046), (726, 94980), (754, 94860), (764, 94830), (775, 94791), (777, 94782), (783, 94764), (789, 94749), (792, 94740), (794, 94734), (796, 94728), (809, 94686), (818, 94665), (850, 94587), (852, 94581), (868, 94518), (876, 94494), (895, 94419), (898, 94407), (927, 94356),

Gene: PhenghisKhan_61 Start: 54194, Stop: 52335, Start Num: 197

Candidate Starts for PhenghisKhan_61:

(Start: 175 @54218 has 5 MA's), (Start: 197 @54194 has 267 MA's), (Start: 231 @54170 has 5 MA's), (Start: 243 @54164 has 2 MA's), (260, 54122), (267, 54101), (316, 53987), (319, 53981), (337, 53951), (371, 53891), (381, 53870), (399, 53816), (403, 53804), (409, 53786), (413, 53774), (445, 53669), (486, 53612), (499, 53576), (502, 53564), (511, 53540), (516, 53528), (524, 53510), (531, 53492), (539, 53474), (553, 53435), (556, 53426), (557, 53423), (558, 53420), (664, 53165), (690, 53063), (696, 53030), (702, 53009), (729, 52916), (732, 52907), (747, 52844), (765, 52808), (766, 52805), (771, 52790), (796, 52712), (800, 52700), (806, 52679), (822, 52640), (857, 52550), (862, 52532), (864, 52526), (870, 52511), (879, 52487), (881, 52472), (882, 52469), (884, 52457), (892, 52433), (898, 52412), (911, 52385), (922, 52361),

Gene: Pherbot_37 Start: 28480, Stop: 26630, Start Num: 268

Candidate Starts for Pherbot_37:

(Start: 268 @28480 has 18 MA's), (336, 28357), (355, 28324), (405, 28213), (412, 28192), (415, 28186), (431, 28135), (479, 27979), (493, 27925), (497, 27919), (498, 27916), (500, 27904), (509, 27874), (530, 27817), (610, 27670), (670, 27523), (728, 27313), (732, 27301), (735, 27283), (746, 27241), (751, 27226), (762, 27190), (773, 27154), (834, 26965), (836, 26956), (854, 26896), (858, 26872), (864, 26851), (869, 26839), (896, 26728),

Gene: Pherdinand_62 Start: 54314, Stop: 52455, Start Num: 197

Candidate Starts for Pherdinand_62:

(Start: 175 @54338 has 5 MA's), (Start: 197 @54314 has 267 MA's), (Start: 231 @54290 has 5 MA's), (Start: 243 @54284 has 2 MA's), (260, 54242), (267, 54221), (316, 54107), (319, 54101), (337, 54071), (371, 54011), (381, 53990), (399, 53936), (403, 53924), (409, 53906), (413, 53894), (445, 53789), (486, 53732), (499, 53696), (502, 53684), (511, 53660), (516, 53648), (524, 53630), (531, 53612), (539, 53594), (553, 53555), (556, 53546), (557, 53543), (558, 53540), (690, 53183), (696, 53150), (702, 53129), (729, 53036), (732, 53027), (747, 52964), (765, 52928), (766, 52925), (771, 52910), (796, 52832), (800, 52820), (806, 52799), (822, 52760), (857, 52670), (862, 52652), (864, 52646), (870, 52631), (879, 52607), (881, 52592), (882, 52589), (884, 52577), (892, 52553), (911, 52505), (922, 52481),

Gene: Pherferi_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Pherferi_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858,

27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Phergie_62 Start: 54186, Stop: 52327, Start Num: 197

Candidate Starts for Phergie_62:

(Start: 175 @54210 has 5 MA's), (Start: 197 @54186 has 267 MA's), (Start: 231 @54162 has 5 MA's), (Start: 243 @54156 has 2 MA's), (260, 54114), (267, 54093), (316, 53979), (319, 53973), (337, 53943), (371, 53883), (381, 53862), (399, 53808), (403, 53796), (409, 53778), (413, 53766), (445, 53661), (486, 53604), (499, 53568), (502, 53556), (511, 53532), (516, 53520), (524, 53502), (531, 53484), (539, 53466), (553, 53427), (556, 53418), (557, 53415), (558, 53412), (664, 53157), (690, 53055), (696, 53022), (702, 53001), (729, 52908), (732, 52899), (747, 52836), (765, 52800), (766, 52797), (771, 52782), (796, 52704), (800, 52692), (806, 52671), (822, 52632), (857, 52542), (862, 52524), (864, 52518), (870, 52503), (879, 52479), (881, 52464), (882, 52461), (884, 52449), (892, 52425), (898, 52404), (911, 52377), (922, 52353),

Gene: PherrisBueller_44 Start: 33917, Stop: 32091, Start Num: 229

Candidate Starts for PherrisBueller_44:

(Start: 229 @33917 has 918 MA's), (347, 33704), (354, 33689), (382, 33641), (394, 33611), (400, 33590), (402, 33584), (404, 33575), (440, 33458), (448, 33431), (500, 33338), (504, 33323), (539, 33239), (540, 33236), (566, 33170), (580, 33140), (592, 33110), (614, 33065), (635, 33026), (695, 32846), (705, 32798), (719, 32759), (735, 32693), (745, 32654), (758, 32633), (765, 32612), (771, 32594), (792, 32528), (853, 32378), (854, 32375), (861, 32339), (870, 32315), (874, 32306), (878, 32294), (883, 32267), (898, 32219), (909, 32198),

Gene: Phiderman_39 Start: 28927, Stop: 27062, Start Num: 270

Candidate Starts for Phiderman_39:

(Start: 216 @29014 has 3 MA's), (219, 29011), (Start: 270 @28927 has 147 MA's), (Start: 276 @28918 has 5 MA's), (333, 28813), (336, 28804), (353, 28774), (355, 28771), (408, 28651), (412, 28639), (415, 28633), (449, 28528), (456, 28501), (493, 28360), (497, 28354), (498, 28351), (500, 28339), (508, 28312), (509, 28309), (514, 28294), (516, 28288), (518, 28282), (531, 28249), (629, 28060), (728, 27745), (731, 27736), (732, 27733), (735, 27715), (746, 27673), (748, 27667), (751, 27658), (756, 27643), (773, 27586), (820, 27427), (834, 27397), (836, 27388), (854, 27328), (858, 27304), (870, 27265), (879, 27232), (880, 27220), (896, 27160),

Gene: Phighter1804_45 Start: 31612, Stop: 29786, Start Num: 229

Candidate Starts for Phighter1804_45:

(Start: 229 @31612 has 918 MA's), (250, 31591), (261, 31561), (273, 31531), (365, 31369), (376, 31351), (402, 31279), (404, 31270), (441, 31150), (448, 31126), (500, 31033), (517, 30985), (528, 30964), (543, 30925), (598, 30793), (611, 30772), (635, 30727), (640, 30715), (692, 30562), (695, 30541), (728, 30418), (735, 30388), (745, 30349), (765, 30283), (766, 30280), (771, 30265), (777, 30241), (786, 30217), (857, 30010), (898, 29875), (903, 29863), (909, 29854),

Gene: Phillis_44 Start: 30925, Stop: 29081, Start Num: 229

Candidate Starts for Phillis_44:

(128, 31090), (149, 31042), (Start: 229 @30925 has 918 MA's), (261, 30874), (327, 30751), (341, 30721), (365, 30682), (394, 30619), (400, 30598), (402, 30592), (404, 30583), (418, 30541), (432, 30490), (448, 30439), (500, 30343), (503, 30331), (508, 30316), (514, 30298), (516, 30295), (519, 30286), (543, 30232), (553, 30205), (576, 30157), (598, 30100), (614, 30073), (640, 30022), (650, 30007), (669, 29959), (692, 29860), (695, 29839), (704, 29809), (705, 29791), (707, 29788), (714, 29773), (719, 29752), (723, 29743), (728, 29716), (732, 29704), (735, 29686), (765, 29605), (769, 29593), (786, 29539), (798, 29503), (808, 29467), (823, 29434), (837, 29413), (840, 29407), (854, 29368), (862, 29329), (898, 29212), (903, 29200),

Gene: Philly_57 Start: 53504, Stop: 51687, Start Num: 238

Candidate Starts for Philly_57:

(124, 53687), (Start: 238 @53504 has 44 MA's), (253, 53474), (347, 53294), (408, 53141), (412, 53129), (422, 53099), (426, 53093), (445, 53030), (447, 53024), (486, 52973), (498, 52946), (499, 52937), (516, 52889), (557, 52784), (596, 52688), (627, 52637), (676, 52493), (684, 52454), (691, 52424), (696, 52397), (700, 52385), (727, 52289), (729, 52283), (732, 52274), (734, 52262), (759, 52190), (765, 52160), (771, 52142), (773, 52133), (796, 52064), (800, 52052), (806, 52031), (840, 51962), (849, 51947), (854, 51923), (857, 51902), (862, 51884), (864, 51878), (877, 51845), (879, 51839), (882, 51821), (884, 51809), (888, 51797), (892, 51785), (908, 51743), (922, 51713),

Gene: Phipps_60 Start: 53823, Stop: 51964, Start Num: 197

Candidate Starts for Phipps_60:

(Start: 175 @53847 has 5 MA's), (Start: 197 @53823 has 267 MA's), (Start: 231 @53799 has 5 MA's), (Start: 243 @53793 has 2 MA's), (260, 53751), (267, 53730), (316, 53616), (319, 53610), (337, 53580), (371, 53520), (381, 53499), (399, 53445), (403, 53433), (409, 53415), (413, 53403), (445, 53298), (486, 53241), (499, 53205), (502, 53193), (512, 53166), (524, 53139), (531, 53121), (539, 53103), (553, 53064), (556, 53055), (557, 53052), (664, 52794), (690, 52692), (696, 52659), (702, 52638), (729, 52545), (732, 52536), (747, 52473), (765, 52437), (766, 52434), (771, 52419), (796, 52341), (800, 52329), (806, 52308), (822, 52269), (857, 52179), (862, 52161), (864, 52155), (870, 52140), (879, 52116), (881, 52101), (882, 52098), (884, 52086), (892, 52062), (911, 52014), (922, 51990),

Gene: Phireproof_39 Start: 28936, Stop: 27071, Start Num: 270

Candidate Starts for Phireproof_39:

(Start: 216 @29023 has 3 MA's), (219, 29020), (Start: 270 @28936 has 147 MA's), (Start: 276 @28927 has 5 MA's), (333, 28822), (336, 28813), (353, 28783), (355, 28780), (408, 28660), (412, 28648), (415, 28642), (449, 28537), (456, 28510), (493, 28369), (497, 28363), (498, 28360), (500, 28348), (508, 28321), (509, 28318), (514, 28303), (516, 28297), (518, 28291), (531, 28258), (629, 28069), (728, 27754), (731, 27745), (732, 27742), (735, 27724), (746, 27682), (748, 27676), (756, 27652), (773, 27595), (820, 27436), (834, 27406), (836, 27397), (854, 27337), (858, 27313), (870, 27274), (879, 27241), (880, 27229), (896, 27169),

Gene: Phisb_43 Start: 29630, Stop: 31504, Start Num: 229

Candidate Starts for Phisb_43:

(Start: 226 @29627 has 7 MA's), (Start: 229 @29630 has 918 MA's), (266, 29699), (280, 29720), (341, 29837), (382, 29900), (404, 29966), (418, 30008), (543, 30302), (598, 30437), (648, 30536), (683, 30659), (695, 30719), (698, 30725), (707, 30770), (716, 30800), (726, 30836), (735, 30872), (764, 30965), (793, 31058), (821, 31136), (853, 31208), (861, 31247), (877, 31289), (880, 31307), (898, 31367), (909, 31388),

Gene: PhishRPhriends_46 Start: 30931, Stop: 29117, Start Num: 229

Candidate Starts for PhishRPhriends_46:

(Start: 229 @30931 has 918 MA's), (255, 30892), (261, 30880), (341, 30727), (349, 30712), (382, 30655), (402, 30598), (404, 30589), (418, 30547), (432, 30496), (448, 30445), (500, 30352), (516, 30304), (528, 30280), (543, 30241), (553, 30214), (566, 30184), (607, 30091), (614, 30079), (639, 30031), (649, 30016), (695, 29860), (707, 29809), (718, 29776), (719, 29773), (735, 29707), (745, 29668), (766, 29596), (777, 29557), (786, 29533), (792, 29515), (802, 29482), (840, 29401), (857, 29341), (862, 29323), (881, 29263), (883, 29254), (898, 29206), (903, 29194), (909, 29185),

Gene: Phives_43 Start: 31162, Stop: 33027, Start Num: 229

Candidate Starts for Phives_43:

(Start: 229 @31162 has 918 MA's), (260, 31210), (341, 31366), (394, 31459), (421, 31549), (501, 31756), (540, 31855), (543, 31864), (548, 31879), (553, 31891), (588, 31969), (611, 32017), (640, 32074), (669, 32155), (695, 32275), (704, 32305), (719, 32362), (735, 32428), (764, 32521), (786,

32593), (825, 32701), (853, 32764), (898, 32923), (902, 32932), (936, 33010),

Gene: Phlei_33 Start: 30919, Stop: 29120, Start Num: 229

Candidate Starts for Phlei_33:

(Start: 229 @30919 has 918 MA's), (296, 30808), (298, 30802), (327, 30745), (341, 30715), (350, 30697), (383, 30637), (394, 30610), (402, 30583), (432, 30481), (448, 30430), (498, 30349), (500, 30337), (511, 30301), (516, 30289), (553, 30199), (582, 30133), (621, 30049), (664, 29971), (665, 29968), (692, 29857), (695, 29836), (707, 29785), (719, 29749), (732, 29701), (735, 29683), (745, 29644), (765, 29602), (775, 29569), (853, 29368), (857, 29344), (861, 29329), (864, 29320), (877, 29287), (898, 29209), (903, 29197), (909, 29188), (925, 29140),

Gene: Phleuron_61 Start: 54187, Stop: 52328, Start Num: 197

Candidate Starts for Phleuron_61:

(Start: 175 @54211 has 5 MA's), (Start: 197 @54187 has 267 MA's), (Start: 231 @54163 has 5 MA's), (Start: 243 @54157 has 2 MA's), (260, 54115), (267, 54094), (316, 53980), (319, 53974), (337, 53944), (371, 53884), (381, 53863), (399, 53809), (403, 53797), (409, 53779), (413, 53767), (445, 53662), (486, 53605), (499, 53569), (502, 53557), (511, 53533), (516, 53521), (524, 53503), (531, 53485), (539, 53467), (553, 53428), (556, 53419), (557, 53416), (558, 53413), (690, 53056), (696, 53023), (702, 53002), (729, 52909), (732, 52900), (747, 52837), (765, 52801), (766, 52798), (771, 52783), (796, 52705), (800, 52693), (806, 52672), (822, 52633), (857, 52543), (862, 52525), (864, 52519), (870, 52504), (879, 52480), (881, 52465), (882, 52462), (884, 52450), (892, 52426), (911, 52378), (922, 52354),

Gene: Phlorence_37 Start: 30134, Stop: 28275, Start Num: 229

Candidate Starts for Phlorence_37:

(Start: 229 @30134 has 918 MA's), (261, 30083), (296, 30023), (327, 29960), (341, 29930), (343, 29927), (378, 29870), (382, 29858), (394, 29828), (402, 29801), (448, 29648), (500, 29552), (516, 29504), (527, 29483), (550, 29420), (553, 29414), (586, 29342), (598, 29309), (607, 29294), (614, 29282), (664, 29183), (695, 29048), (704, 29018), (705, 29000), (714, 28982), (719, 28961), (723, 28952), (735, 28895), (745, 28856), (765, 28814), (771, 28796), (786, 28748), (802, 28697), (823, 28643), (828, 28634), (840, 28616), (857, 28556), (862, 28538), (891, 28445), (898, 28421), (903, 28409), (953, 28292), (955, 28289),

Gene: Phlyer_58 Start: 54386, Stop: 52569, Start Num: 238

Candidate Starts for Phlyer_58:

(124, 54569), (Start: 238 @54386 has 44 MA's), (253, 54356), (347, 54176), (408, 54023), (412, 54011), (422, 53981), (426, 53975), (445, 53912), (447, 53906), (486, 53855), (498, 53828), (499, 53819), (516, 53771), (557, 53666), (596, 53570), (627, 53519), (676, 53375), (684, 53336), (691, 53306), (696, 53279), (700, 53267), (727, 53171), (729, 53165), (732, 53156), (734, 53144), (759, 53072), (765, 53042), (771, 53024), (773, 53015), (796, 52946), (800, 52934), (806, 52913), (840, 52844), (849, 52829), (854, 52805), (857, 52784), (862, 52766), (864, 52760), (877, 52727), (879, 52721), (882, 52703), (884, 52691), (888, 52679), (892, 52667), (908, 52625), (922, 52595),

Gene: Phoebe_49 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for Phoebe_49:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: Phonnegut_45 Start: 31538, Stop: 29745, Start Num: 229

Candidate Starts for Phonnegut_45:

(Start: 229 @31538 has 918 MA's), (Start: 244 @31529 has 1 MA's), (261, 31487), (325, 31367), (327, 31364), (350, 31316), (383, 31256), (395, 31226), (398, 31214), (402, 31202), (448, 31049), (500, 30956), (553, 30818), (566, 30788), (640, 30629), (649, 30617), (666, 30590), (692, 30482), (695, 30461), (732, 30326), (735, 30308), (765, 30227), (777, 30185), (802, 30110), (837, 30035), (853, 29993), (881, 29891), (898, 29834), (903, 29822), (909, 29813),

Gene: Phontbonne_45 Start: 31461, Stop: 29635, Start Num: 229

Candidate Starts for Phontbonne_45:

(Start: 229 @31461 has 918 MA's), (250, 31440), (261, 31410), (273, 31380), (365, 31218), (376, 31200), (402, 31128), (404, 31119), (441, 30999), (448, 30975), (500, 30882), (517, 30834), (528, 30813), (543, 30774), (598, 30642), (611, 30621), (635, 30576), (640, 30564), (692, 30411), (695, 30390), (728, 30267), (735, 30237), (745, 30198), (765, 30132), (766, 30129), (771, 30114), (777, 30090), (786, 30066), (857, 29859), (898, 29724), (903, 29712), (909, 29703),

Gene: Phoxy_48 Start: 31881, Stop: 30067, Start Num: 229

Candidate Starts for Phoxy_48:

(Start: 229 @31881 has 918 MA's), (255, 31842), (261, 31830), (341, 31677), (349, 31662), (382, 31605), (402, 31548), (404, 31539), (418, 31497), (432, 31446), (448, 31395), (487, 31341), (500, 31302), (516, 31254), (528, 31230), (543, 31191), (553, 31164), (566, 31134), (607, 31041), (614, 31029), (639, 30981), (649, 30966), (695, 30810), (707, 30759), (718, 30726), (719, 30723), (735, 30657), (745, 30618), (766, 30546), (777, 30507), (786, 30483), (792, 30465), (802, 30432), (840, 30351), (857, 30291), (883, 30204), (898, 30156), (903, 30144), (909, 30135), (911, 30132),

Gene: Phrampa_94 Start: 80024, Stop: 81826, Start Num: 245

Candidate Starts for Phrampa_94:

(Start: 245 @80024 has 2 MA's), (254, 80045), (267, 80081), (271, 80087), (298, 80135), (305, 80156), (335, 80210), (362, 80255), (368, 80264), (403, 80345), (412, 80372), (415, 80378), (440, 80447), (451, 80483), (500, 80552), (503, 80564), (507, 80576), (532, 80630), (543, 80657), (548, 80672), (635, 80861), (658, 80906), (668, 80930), (671, 80939), (675, 80957), (682, 80990), (692, 81029), (695, 81050), (698, 81056), (726, 81170), (729, 81179), (744, 81254), (750, 81272), (764, 81320), (767, 81332), (777, 81368), (789, 81401), (792, 81410), (806, 81455), (812, 81473), (849, 81557), (853, 81578), (858, 81605), (880, 81677), (885, 81701), (898, 81737), (924, 81788),

Gene: PhrankReynolds_60 Start: 54191, Stop: 52332, Start Num: 197

Candidate Starts for PhrankReynolds_60:

(Start: 175 @54215 has 5 MA's), (Start: 197 @54191 has 267 MA's), (Start: 231 @54167 has 5 MA's), (Start: 243 @54161 has 2 MA's), (260, 54119), (267, 54098), (316, 53984), (319, 53978), (337, 53948), (371, 53888), (381, 53867), (399, 53813), (403, 53801), (409, 53783), (413, 53771), (445, 53666), (486, 53609), (499, 53573), (502, 53561), (511, 53537), (516, 53525), (524, 53507), (531, 53489), (539, 53471), (553, 53432), (556, 53423), (557, 53420), (558, 53417), (664, 53162), (690, 53060), (696, 53027), (702, 53006), (729, 52913), (732, 52904), (747, 52841), (765, 52805), (766, 52802), (771, 52787), (796, 52709), (800, 52697), (806, 52676), (822, 52637), (857, 52547), (862, 52529), (864, 52523), (870, 52508), (879, 52484), (881, 52469), (882, 52466), (884, 52454), (892, 52430), (898, 52409), (911, 52382), (922, 52358),

Gene: Phrankenstein_36 Start: 28059, Stop: 26275, Start Num: 229

Candidate Starts for Phrankenstein_36:

(Start: 229 @28059 has 918 MA's), (361, 27825), (378, 27795), (381, 27786), (382, 27783), (398, 27738), (402, 27726), (418, 27675), (448, 27573), (477, 27552), (500, 27480), (514, 27435), (516, 27432), (536, 27390), (538, 27384), (543, 27369), (553, 27342), (598, 27237), (603, 27228), (614, 27210), (615, 27207), (635, 27171), (668, 27114), (695, 26991), (705, 26943), (735, 26838), (736, 26835), (758, 26778), (765, 26757), (779, 26709), (804, 26634), (837, 26565), (853, 26523), (857,

26499), (881, 26421), (898, 26364), (903, 26352), (909, 26343), (923, 26313), (925, 26295),

Gene: Phranny_49 Start: 31739, Stop: 29925, Start Num: 229

Candidate Starts for Phranny_49:

(Start: 229 @31739 has 918 MA's), (255, 31700), (261, 31688), (341, 31535), (349, 31520), (382, 31463), (402, 31406), (404, 31397), (418, 31355), (432, 31304), (448, 31253), (500, 31160), (516, 31112), (528, 31088), (543, 31049), (553, 31022), (566, 30992), (607, 30899), (614, 30887), (639, 30839), (649, 30824), (695, 30668), (707, 30617), (718, 30584), (719, 30581), (735, 30515), (745, 30476), (766, 30404), (777, 30365), (786, 30341), (792, 30323), (802, 30290), (840, 30209), (857, 30149), (862, 30131), (881, 30071), (883, 30062), (898, 30014), (903, 30002), (909, 29993),

Gene: PhredFlintston_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for PhredFlintston_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Phriends_39 Start: 28936, Stop: 27071, Start Num: 270

Candidate Starts for Phriends_39:

(Start: 216 @29023 has 3 MA's), (Start: 270 @28936 has 147 MA's), (Start: 276 @28927 has 5 MA's), (333, 28822), (336, 28813), (353, 28783), (355, 28780), (408, 28660), (412, 28648), (415, 28642), (449, 28537), (456, 28510), (493, 28369), (497, 28363), (498, 28360), (500, 28348), (508, 28321), (509, 28318), (514, 28303), (516, 28297), (518, 28291), (531, 28258), (602, 28129), (629, 28069), (728, 27754), (731, 27745), (732, 27742), (735, 27724), (746, 27682), (748, 27676), (751, 27667), (756, 27652), (773, 27595), (820, 27436), (834, 27406), (836, 27397), (854, 27337), (858, 27313), (870, 27274), (879, 27241), (880, 27229), (896, 27169),

Gene: PhrodoBaggins_61 Start: 54411, Stop: 52552, Start Num: 197

Candidate Starts for PhrodoBaggins_61:

(Start: 175 @54435 has 5 MA's), (Start: 197 @54411 has 267 MA's), (Start: 231 @54387 has 5 MA's), (Start: 243 @54381 has 2 MA's), (260, 54339), (267, 54318), (316, 54204), (319, 54198), (337, 54168), (371, 54108), (381, 54087), (399, 54033), (403, 54021), (409, 54003), (413, 53991), (445, 53886), (486, 53829), (499, 53793), (502, 53781), (512, 53754), (524, 53727), (531, 53709), (539, 53691), (553, 53652), (556, 53643), (557, 53640), (558, 53637), (690, 53280), (696, 53247), (702, 53226), (729, 53133), (732, 53124), (747, 53061), (765, 53025), (766, 53022), (771, 53007), (796, 52929), (800, 52917), (806, 52896), (822, 52857), (857, 52767), (862, 52749), (864, 52743), (870, 52728), (879, 52704), (881, 52689), (882, 52686), (884, 52674), (892, 52650), (911, 52602), (922, 52578),

Gene: PhrostyMug_44 Start: 34431, Stop: 32605, Start Num: 229

Candidate Starts for PhrostyMug_44:

(Start: 229 @34431 has 918 MA's), (347, 34218), (354, 34203), (394, 34125), (400, 34104), (402, 34098), (404, 34089), (440, 33972), (448, 33945), (500, 33852), (504, 33837), (511, 33816), (516, 33804), (539, 33753), (540, 33750), (566, 33684), (580, 33654), (592, 33624), (614, 33579), (635, 33540), (695, 33360), (704, 33330), (705, 33312), (719, 33273), (735, 33207), (765, 33126), (766, 33123), (792, 33042), (853, 32892), (854, 32889), (861, 32853), (870, 32829), (874, 32820), (878, 32808), (883, 32781), (898, 32733), (909, 32712),

Gene: Phunky_59 Start: 54049, Stop: 52190, Start Num: 197

Candidate Starts for Phunky_59:

(Start: 175 @54073 has 5 MA's), (Start: 197 @54049 has 267 MA's), (Start: 231 @54025 has 5 MA's), (Start: 243 @54019 has 2 MA's), (260, 53977), (267, 53956), (316, 53842), (319, 53836), (337, 53806), (371, 53746), (381, 53725), (399, 53671), (403, 53659), (409, 53641), (413, 53629), (445, 53524), (486, 53467), (499, 53431), (502, 53419), (511, 53395), (516, 53383), (524, 53365), (531, 53347), (539, 53329), (553, 53290), (556, 53281), (557, 53278), (558, 53275), (690, 52918), (696, 52885), (702, 52864), (729, 52771), (732, 52762), (747, 52699), (765, 52663), (766, 52660), (771, 52645), (796, 52567), (800, 52555), (806, 52534), (822, 52495), (857, 52405), (862, 52387), (864, 52381), (870, 52366), (879, 52342), (881, 52327), (882, 52324), (884, 52312), (892, 52288), (911, 52240), (922, 52216),

Gene: PickleBack_38 Start: 30260, Stop: 28416, Start Num: 229

Candidate Starts for PickleBack_38:

(Start: 229 @30260 has 918 MA's), (261, 30209), (296, 30149), (327, 30086), (341, 30056), (343, 30053), (378, 29996), (382, 29984), (394, 29954), (402, 29927), (432, 29825), (437, 29810), (448, 29774), (489, 29714), (500, 29678), (516, 29630), (550, 29546), (553, 29540), (586, 29468), (598, 29435), (607, 29420), (614, 29408), (664, 29309), (695, 29174), (704, 29144), (705, 29126), (707, 29123), (719, 29087), (723, 29078), (726, 29057), (729, 29048), (735, 29021), (736, 29018), (758, 28961), (765, 28940), (802, 28823), (823, 28769), (828, 28760), (840, 28742), (862, 28664), (880, 28607), (891, 28571), (898, 28547), (903, 28535),

Gene: Piglet_0060 Start: 54547, Stop: 52664, Start Num: 175

Candidate Starts for Piglet_0060:

(Start: 175 @54547 has 5 MA's), (Start: 197 @54523 has 267 MA's), (Start: 231 @54499 has 5 MA's), (Start: 243 @54493 has 2 MA's), (260, 54451), (267, 54430), (316, 54316), (319, 54310), (337, 54280), (371, 54220), (381, 54199), (399, 54145), (403, 54133), (409, 54115), (413, 54103), (445, 53998), (486, 53941), (499, 53905), (502, 53893), (512, 53866), (524, 53839), (531, 53821), (539, 53803), (553, 53764), (556, 53755), (557, 53752), (664, 53494), (690, 53392), (696, 53359), (702, 53338), (729, 53245), (732, 53236), (747, 53173), (765, 53137), (766, 53134), (771, 53119), (796, 53041), (800, 53029), (806, 53008), (822, 52969), (857, 52879), (862, 52861), (864, 52855), (870, 52840), (879, 52816), (881, 52801), (882, 52798), (884, 52786), (892, 52762), (911, 52714), (922, 52690),

Gene: Pikmin_35 Start: 27722, Stop: 25905, Start Num: 269

Candidate Starts for Pikmin_35:

(Start: 269 @27722 has 4 MA's), (278, 27707), (412, 27431), (415, 27425), (471, 27290), (475, 27275), (497, 27197), (498, 27194), (500, 27182), (509, 27152), (530, 27095), (610, 26948), (678, 26768), (716, 26630), (731, 26579), (732, 26576), (735, 26558), (736, 26555), (746, 26516), (773, 26429), (781, 26402), (820, 26270), (858, 26147), (869, 26114), (870, 26108), (873, 26099), (896, 26003), (897, 25997),

Gene: Pine5_49 Start: 43969, Stop: 42167, Start Num: 230

Candidate Starts for Pine5_49:

(230, 43969), (260, 43918), (349, 43756), (399, 43642), (405, 43627), (413, 43603), (415, 43600), (418, 43591), (422, 43576), (425, 43573), (432, 43549), (434, 43543), (436, 43537), (438, 43531), (442, 43519), (447, 43501), (448, 43498), (547, 43291), (552, 43279), (557, 43261), (570, 43231), (578, 43216), (587, 43195), (627, 43120), (656, 43036), (662, 43027), (702, 42856), (721, 42799), (732, 42754), (777, 42613), (796, 42559), (800, 42547), (846, 42436), (879, 42322), (881, 42307), (892, 42268), (898, 42247), (925, 42172),

Gene: PinheadLarry_61 Start: 54548, Stop: 52689, Start Num: 197

Candidate Starts for PinheadLarry_61:

(Start: 175 @54572 has 5 MA's), (Start: 197 @54548 has 267 MA's), (Start: 231 @54524 has 5 MA's), (Start: 243 @54518 has 2 MA's), (260, 54476), (267, 54455), (316, 54341), (319, 54335), (337, 54305), (371, 54245), (381, 54224), (399, 54170), (403, 54158), (409, 54140), (413, 54128), (445, 54023), (486, 53966), (499, 53930), (502, 53918), (512, 53891), (524, 53864), (531, 53846), (539, 53828), (553, 53789), (556, 53780), (557, 53777), (664, 53519), (690, 53417), (696, 53384), (702, 53363), (729, 53270), (732, 53261), (747, 53198), (765, 53162), (766, 53159), (771, 53144), (796, 53066), (800, 53054), (806, 53033), (822, 52994), (857, 52904), (862, 52886), (864, 52880), (870, 52865), (879, 52841), (881, 52826), (882, 52823), (884, 52811), (892, 52787), (911, 52739), (922, 52715),

Gene: PinkPlastic_43 Start: 34151, Stop: 32325, Start Num: 229

Candidate Starts for PinkPlastic_43:

(Start: 229 @34151 has 918 MA's), (347, 33938), (354, 33923), (382, 33875), (394, 33845), (400, 33824), (402, 33818), (404, 33809), (418, 33767), (440, 33692), (448, 33665), (500, 33572), (504, 33557), (516, 33524), (539, 33473), (540, 33470), (566, 33404), (580, 33374), (592, 33344), (614, 33299), (635, 33260), (695, 33080), (705, 33032), (719, 32993), (735, 32927), (745, 32888), (758, 32867), (765, 32846), (771, 32828), (792, 32762), (853, 32612), (854, 32609), (861, 32573), (874, 32540), (878, 32528), (883, 32501), (898, 32453), (909, 32432),

Gene: Pinkman_60 Start: 54129, Stop: 52270, Start Num: 197

Candidate Starts for Pinkman_60:

(Start: 175 @54153 has 5 MA's), (Start: 197 @54129 has 267 MA's), (Start: 231 @54105 has 5 MA's), (Start: 243 @54099 has 2 MA's), (260, 54057), (267, 54036), (316, 53922), (319, 53916), (337, 53886), (371, 53826), (381, 53805), (399, 53751), (403, 53739), (409, 53721), (413, 53709), (445, 53604), (486, 53547), (499, 53511), (502, 53499), (512, 53472), (531, 53427), (553, 53370), (556, 53361), (557, 53358), (664, 53100), (690, 52998), (696, 52965), (702, 52944), (729, 52851), (732, 52842), (747, 52779), (765, 52743), (766, 52740), (771, 52725), (796, 52647), (800, 52635), (806, 52614), (822, 52575), (857, 52485), (862, 52467), (864, 52461), (870, 52446), (879, 52422), (881, 52407), (882, 52404), (884, 52392), (892, 52368), (898, 52347), (911, 52320), (922, 52296), (924, 52281),

Gene: Pinto_45 Start: 34258, Stop: 32429, Start Num: 229

Candidate Starts for Pinto_45:

(Start: 229 @34258 has 918 MA's), (347, 34045), (354, 34030), (382, 33982), (394, 33952), (400, 33931), (402, 33925), (404, 33916), (440, 33799), (448, 33772), (500, 33679), (504, 33664), (516, 33631), (539, 33580), (540, 33577), (560, 33523), (566, 33511), (580, 33481), (592, 33451), (614, 33406), (635, 33367), (695, 33187), (705, 33139), (723, 33091), (732, 33052), (735, 33034), (745, 32995), (758, 32974), (765, 32953), (770, 32938), (808, 32815), (875, 32644), (880, 32620), (895, 32572), (898, 32560), (909, 32539), (912, 32533), (928, 32485), (935, 32470),

Gene: Pioneer_45 Start: 31538, Stop: 29745, Start Num: 229

Candidate Starts for Pioneer_45:

(Start: 229 @31538 has 918 MA's), (Start: 244 @31529 has 1 MA's), (261, 31487), (325, 31367), (327, 31364), (350, 31316), (383, 31256), (395, 31226), (398, 31214), (402, 31202), (448, 31049), (500, 30956), (553, 30818), (566, 30788), (640, 30629), (649, 30617), (666, 30590), (692, 30482), (695, 30461), (732, 30326), (735, 30308), (765, 30227), (777, 30185), (802, 30110), (837, 30035), (853, 29993), (881, 29891), (898, 29834), (903, 29822), (909, 29813),

Gene: Pipcraft_43 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Pipcraft_43:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695,

30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Pipefish_59 Start: 54415, Stop: 52598, Start Num: 238

Candidate Starts for Pipefish_59:

(124, 54598), (Start: 238 @54415 has 44 MA's), (253, 54385), (347, 54205), (408, 54052), (412, 54040), (422, 54010), (426, 54004), (445, 53941), (447, 53935), (486, 53884), (499, 53848), (516, 53800), (557, 53695), (596, 53599), (627, 53548), (676, 53404), (684, 53365), (691, 53335), (696, 53308), (700, 53296), (727, 53200), (729, 53194), (732, 53185), (734, 53173), (759, 53101), (765, 53071), (771, 53053), (773, 53044), (796, 52975), (800, 52963), (806, 52942), (840, 52873), (849, 52858), (854, 52834), (864, 52789), (877, 52756), (879, 52750), (882, 52732), (884, 52720), (888, 52708), (892, 52696), (908, 52654), (922, 52624),

Gene: Pippin_47 Start: 35168, Stop: 33381, Start Num: 229

Candidate Starts for Pippin_47:

(Start: 229 @35168 has 918 MA's), (347, 34955), (354, 34940), (382, 34892), (394, 34862), (400, 34841), (402, 34835), (404, 34826), (440, 34709), (448, 34682), (500, 34589), (504, 34574), (516, 34541), (539, 34490), (540, 34487), (566, 34421), (580, 34391), (592, 34361), (614, 34316), (635, 34277), (695, 34097), (705, 34049), (719, 34010), (735, 33944), (763, 33872), (765, 33863), (792, 33779), (823, 33692), (870, 33566), (875, 33554), (898, 33470), (901, 33464),

Gene: Pipsqueak_59 Start: 53979, Stop: 52120, Start Num: 197

Candidate Starts for Pipsqueak_59:

(Start: 175 @54003 has 5 MA's), (Start: 197 @53979 has 267 MA's), (Start: 231 @53955 has 5 MA's), (Start: 243 @53949 has 2 MA's), (260, 53907), (267, 53886), (316, 53772), (319, 53766), (337, 53736), (371, 53676), (381, 53655), (399, 53601), (403, 53589), (409, 53571), (413, 53559), (445, 53454), (486, 53397), (499, 53361), (502, 53349), (511, 53325), (516, 53313), (524, 53295), (531, 53277), (539, 53259), (553, 53220), (556, 53211), (557, 53208), (558, 53205), (690, 52848), (696, 52815), (702, 52794), (729, 52701), (732, 52692), (747, 52629), (765, 52593), (766, 52590), (771, 52575), (796, 52497), (800, 52485), (806, 52464), (822, 52425), (857, 52335), (862, 52317), (864, 52311), (870, 52296), (879, 52272), (881, 52257), (882, 52254), (884, 52242), (892, 52218), (911, 52170), (922, 52146),

Gene: Piro94_44 Start: 31722, Stop: 29935, Start Num: 229

Candidate Starts for Piro94_44:

(Start: 229 @31722 has 918 MA's), (341, 31518), (343, 31515), (347, 31509), (365, 31479), (382, 31446), (383, 31443), (394, 31416), (402, 31389), (418, 31338), (448, 31236), (500, 31143), (516, 31095), (519, 31086), (528, 31071), (553, 31005), (588, 30924), (611, 30876), (678, 30732), (695, 30651), (707, 30600), (718, 30567), (735, 30498), (745, 30459), (758, 30438), (765, 30417), (769, 30405), (837, 30225), (840, 30219), (853, 30183), (857, 30159), (881, 30081), (898, 30024), (903, 30012),

Gene: Pistachio_47 Start: 31102, Stop: 29264, Start Num: 229

Candidate Starts for Pistachio_47:

(Start: 229 @31102 has 918 MA's), (261, 31051), (298, 30985), (341, 30898), (378, 30838), (382, 30826), (402, 30769), (404, 30760), (441, 30640), (448, 30616), (500, 30520), (517, 30472), (543, 30412), (569, 30349), (598, 30280), (611, 30259), (650, 30187), (668, 30145), (678, 30103), (695, 30022), (705, 29974), (728, 29899), (735, 29869), (742, 29839), (766, 29758), (777, 29719), (786, 29695), (792, 29677), (840, 29548), (857, 29488), (898, 29353), (903, 29341), (909, 29332),

Gene: Pita2_47 Start: 35444, Stop: 33618, Start Num: 229

Candidate Starts for Pita2_47:

(Start: 229 @35444 has 918 MA's), (347, 35231), (354, 35216), (382, 35168), (394, 35138), (400, 35117), (402, 35111), (404, 35102), (440, 34985), (448, 34958), (500, 34865), (504, 34850), (511, 34829), (539, 34766), (540, 34763), (566, 34697), (580, 34667), (592, 34637), (614, 34592), (635, 34553), (695, 34373), (704, 34343), (705, 34325), (707, 34322), (719, 34286), (735, 34220), (745, 34181), (758, 34160), (765, 34139), (771, 34121), (792, 34055), (853, 33905), (854, 33902), (861, 33866), (874, 33833), (878, 33821), (898, 33746), (909, 33725),

Gene: Pixelle_41 Start: 30386, Stop: 32251, Start Num: 229

Candidate Starts for Pixelle_41:

(Start: 229 @30386 has 918 MA's), (260, 30434), (364, 30617), (368, 30623), (394, 30683), (421, 30773), (501, 30980), (504, 30989), (543, 31088), (548, 31103), (611, 31241), (669, 31379), (689, 31466), (695, 31499), (712, 31562), (719, 31586), (735, 31652), (764, 31745), (825, 31925), (853, 31988), (857, 32012), (898, 32147), (902, 32156),

Gene: Placalicious_61 Start: 55080, Stop: 53221, Start Num: 197

Candidate Starts for Placalicious_61:

(Start: 175 @55104 has 5 MA's), (Start: 197 @55080 has 267 MA's), (Start: 231 @55056 has 5 MA's), (Start: 243 @55050 has 2 MA's), (260, 55008), (267, 54987), (316, 54873), (319, 54867), (337, 54837), (371, 54777), (381, 54756), (399, 54702), (403, 54690), (409, 54672), (445, 54555), (486, 54498), (499, 54462), (502, 54450), (512, 54423), (524, 54396), (531, 54378), (539, 54360), (553, 54321), (556, 54312), (557, 54309), (664, 54051), (690, 53949), (696, 53916), (702, 53895), (729, 53802), (732, 53793), (747, 53730), (765, 53694), (766, 53691), (771, 53676), (796, 53598), (800, 53586), (806, 53565), (822, 53526), (857, 53436), (862, 53418), (864, 53412), (870, 53397), (879, 53373), (881, 53358), (882, 53355), (884, 53343), (892, 53319), (911, 53271), (922, 53247),

Gene: Plmatters_59 Start: 54053, Stop: 52194, Start Num: 197

Candidate Starts for Plmatters_59:

(Start: 175 @54077 has 5 MA's), (Start: 197 @54053 has 267 MA's), (Start: 231 @54029 has 5 MA's), (Start: 243 @54023 has 2 MA's), (260, 53981), (267, 53960), (316, 53846), (319, 53840), (337, 53810), (371, 53750), (381, 53729), (399, 53675), (403, 53663), (409, 53645), (413, 53633), (445, 53528), (486, 53471), (499, 53435), (502, 53423), (512, 53396), (524, 53369), (531, 53351), (539, 53333), (553, 53294), (556, 53285), (557, 53282), (664, 53024), (690, 52922), (696, 52889), (702, 52868), (729, 52775), (732, 52766), (747, 52703), (765, 52667), (766, 52664), (771, 52649), (796, 52571), (800, 52559), (806, 52538), (822, 52499), (857, 52409), (862, 52391), (864, 52385), (870, 52370), (879, 52346), (881, 52331), (882, 52328), (884, 52316), (892, 52292), (911, 52244), (922, 52220),

Gene: Pmask_45 Start: 29639, Stop: 27798, Start Num: 229

Candidate Starts for Pmask_45:

(Start: 229 @29639 has 918 MA's), (341, 29435), (382, 29360), (383, 29357), (394, 29330), (398, 29315), (402, 29303), (418, 29252), (444, 29162), (448, 29150), (500, 29057), (512, 29018), (519, 29000), (528, 28985), (553, 28919), (567, 28886), (569, 28883), (615, 28781), (649, 28721), (678, 28637), (695, 28556), (718, 28472), (719, 28469), (723, 28460), (728, 28433), (735, 28403), (758, 28343), (771, 28304), (853, 28088), (854, 28085), (857, 28064), (898, 27929), (903, 27917), (909, 27908), (911, 27905), (947, 27812),

Gene: Pocahontas_44 Start: 31594, Stop: 29756, Start Num: 229

Candidate Starts for Pocahontas_44:

(Start: 229 @31594 has 918 MA's), (261, 31543), (341, 31390), (382, 31318), (394, 31288), (402, 31261), (404, 31252), (448, 31108), (500, 31012), (517, 30964), (543, 30904), (581, 30817), (598, 30772), (611, 30751), (650, 30679), (668, 30637), (678, 30595), (695, 30514), (705, 30466), (719, 30427), (728, 30391), (735, 30361), (742, 30331), (766, 30250), (777, 30211), (786, 30187), (792, 30169), (793, 30166), (840, 30040), (857, 29980), (883, 29893), (898, 29845), (903, 29833), (909,

29824),

Gene: Pocket_38 Start: 28623, Stop: 26758, Start Num: 270

Candidate Starts for Pocket_38:

(Start: 216 @28710 has 3 MA's), (Start: 270 @28623 has 147 MA's), (Start: 276 @28614 has 5 MA's), (333, 28509), (336, 28500), (353, 28470), (355, 28467), (408, 28347), (412, 28335), (415, 28329), (449, 28224), (456, 28197), (493, 28056), (497, 28050), (498, 28047), (500, 28035), (508, 28008), (509, 28005), (514, 27990), (516, 27984), (518, 27978), (531, 27945), (602, 27816), (629, 27756), (728, 27441), (731, 27432), (732, 27429), (735, 27411), (746, 27369), (748, 27363), (756, 27339), (773, 27282), (820, 27123), (834, 27093), (836, 27084), (854, 27024), (858, 27000), (870, 26961), (879, 26928), (880, 26916), (896, 26856),

Gene: Podrick_59 Start: 53832, Stop: 51973, Start Num: 197

Candidate Starts for Podrick_59:

(Start: 175 @53856 has 5 MA's), (Start: 197 @53832 has 267 MA's), (Start: 231 @53808 has 5 MA's), (Start: 243 @53802 has 2 MA's), (260, 53760), (267, 53739), (316, 53625), (319, 53619), (337, 53589), (371, 53529), (381, 53508), (399, 53454), (403, 53442), (409, 53424), (413, 53412), (445, 53307), (486, 53250), (499, 53214), (502, 53202), (512, 53175), (524, 53148), (531, 53130), (539, 53112), (553, 53073), (556, 53064), (557, 53061), (664, 52803), (690, 52701), (696, 52668), (702, 52647), (729, 52554), (732, 52545), (747, 52482), (765, 52446), (766, 52443), (771, 52428), (796, 52350), (800, 52338), (806, 52317), (822, 52278), (857, 52188), (862, 52170), (864, 52164), (870, 52149), (879, 52125), (881, 52110), (882, 52107), (884, 52095), (892, 52071), (911, 52023), (922, 51999),

Gene: Polymorphads_46 Start: 31563, Stop: 29737, Start Num: 229

Candidate Starts for Polymorphads_46:

(Start: 229 @31563 has 918 MA's), (250, 31542), (261, 31512), (273, 31482), (365, 31320), (376, 31302), (402, 31230), (404, 31221), (441, 31101), (448, 31077), (500, 30984), (517, 30936), (528, 30915), (543, 30876), (598, 30744), (611, 30723), (635, 30678), (640, 30666), (692, 30513), (695, 30492), (728, 30369), (735, 30339), (745, 30300), (765, 30234), (766, 30231), (771, 30216), (777, 30192), (786, 30168), (857, 29961), (898, 29826), (903, 29814), (909, 29805),

Gene: Pomar16_47 Start: 31194, Stop: 29371, Start Num: 229

Candidate Starts for Pomar16_47:

(Start: 229 @31194 has 918 MA's), (341, 30990), (354, 30966), (365, 30948), (376, 30930), (382, 30915), (383, 30912), (394, 30885), (402, 30858), (418, 30807), (448, 30705), (500, 30612), (516, 30564), (519, 30555), (527, 30543), (528, 30540), (553, 30474), (580, 30414), (635, 30300), (649, 30276), (667, 30237), (695, 30111), (707, 30060), (719, 30024), (735, 29958), (745, 29919), (766, 29850), (777, 29811), (793, 29766), (802, 29736), (828, 29673), (837, 29661), (840, 29655), (857, 29595), (898, 29460), (903, 29448), (909, 29439),

Gene: Pons_46 Start: 34228, Stop: 31850, Start Num: 41

Candidate Starts for Pons_46:

(Start: 41 @34228 has 13 MA's), (58, 34168), (83, 34087), (121, 33967), (156, 33922), (205, 33844), (210, 33838), (211, 33835), (Start: 243 @33805 has 2 MA's), (260, 33766), (262, 33757), (274, 33730), (Start: 276 @33727 has 5 MA's), (311, 33670), (333, 33631), (366, 33568), (379, 33544), (382, 33535), (386, 33523), (398, 33490), (399, 33487), (405, 33469), (412, 33448), (432, 33388), (469, 33265), (489, 33190), (500, 33148), (547, 33061), (594, 33013), (609, 32983), (612, 32977), (634, 32932), (635, 32929), (642, 32914), (654, 32893), (674, 32830), (685, 32779), (699, 32719), (701, 32710), (704, 32695), (707, 32680), (712, 32668), (735, 32575), (744, 32539), (746, 32533), (748, 32527), (750, 32521), (766, 32464), (773, 32440), (801, 32335), (802, 32332), (820, 32281), (838, 32239), (844, 32221), (854, 32182), (863, 32140), (871, 32116), (879, 32086), (888, 32038), (891, 32029), (896, 32014), (910, 31969), (929, 31915), (944, 31882), (949, 31870),

Gene: Ponzi_15 Start: 9802, Stop: 8006, Start Num: 229

Candidate Starts for Ponzi_15:

(Start: 229 @9802 has 918 MA's), (394, 9493), (448, 9313), (489, 9253), (500, 9220), (514, 9175), (516, 9172), (543, 9103), (550, 9082), (607, 8956), (643, 8905), (668, 8857), (688, 8776), (695, 8734), (711, 8671), (714, 8665), (717, 8647), (720, 8641), (725, 8620), (732, 8596), (735, 8578), (736, 8575), (758, 8518), (765, 8497), (771, 8479), (778, 8452), (864, 8215), (875, 8188), (892, 8125), (898, 8104), (909, 8083), (925, 8035),

Gene: Poompha_43 Start: 30385, Stop: 28553, Start Num: 229

Candidate Starts for Poompha_43:

(Start: 229 @30385 has 918 MA's), (261, 30334), (298, 30268), (341, 30181), (347, 30172), (378, 30121), (382, 30109), (402, 30052), (425, 29971), (429, 29959), (432, 29950), (441, 29923), (448, 29899), (500, 29806), (543, 29698), (553, 29671), (614, 29539), (695, 29311), (714, 29245), (728, 29188), (735, 29158), (745, 29119), (766, 29047), (771, 29032), (777, 29008), (792, 28966), (802, 28933), (857, 28777), (864, 28753), (883, 28690), (898, 28642), (903, 28630), (909, 28621),

Gene: Popcicle_44 Start: 31594, Stop: 29756, Start Num: 229

Candidate Starts for Popcicle_44:

(Start: 229 @31594 has 918 MA's), (261, 31543), (341, 31390), (382, 31318), (394, 31288), (402, 31261), (404, 31252), (448, 31108), (500, 31012), (517, 30964), (543, 30904), (581, 30817), (598, 30772), (611, 30751), (650, 30679), (668, 30637), (678, 30595), (695, 30514), (705, 30466), (719, 30427), (728, 30391), (735, 30361), (742, 30331), (766, 30250), (777, 30211), (786, 30187), (792, 30169), (793, 30166), (840, 30040), (857, 29980), (883, 29893), (898, 29845), (903, 29833), (909, 29824),

Gene: Pops_60 Start: 54238, Stop: 52379, Start Num: 197

Candidate Starts for Pops_60:

(Start: 175 @54262 has 5 MA's), (Start: 197 @54238 has 267 MA's), (Start: 231 @54214 has 5 MA's), (Start: 243 @54208 has 2 MA's), (260, 54166), (267, 54145), (316, 54031), (319, 54025), (337, 53995), (371, 53935), (381, 53914), (399, 53860), (403, 53848), (409, 53830), (413, 53818), (445, 53713), (486, 53656), (499, 53620), (502, 53608), (511, 53584), (516, 53572), (524, 53554), (531, 53536), (539, 53518), (553, 53479), (556, 53470), (557, 53467), (558, 53464), (690, 53107), (696, 53074), (702, 53053), (729, 52960), (732, 52951), (747, 52888), (765, 52852), (766, 52849), (771, 52834), (796, 52756), (800, 52744), (806, 52723), (822, 52684), (857, 52594), (862, 52576), (864, 52570), (870, 52555), (879, 52531), (881, 52516), (882, 52513), (884, 52501), (892, 52477), (911, 52429), (922, 52405),

Gene: Poster_52 Start: 52989, Stop: 51166, Start Num: 189

Candidate Starts for Poster_52:

(Start: 175 @53007 has 5 MA's), (Start: 189 @52989 has 57 MA's), (Start: 243 @52965 has 2 MA's), (253, 52938), (260, 52923), (267, 52902), (308, 52815), (368, 52710), (386, 52668), (409, 52602), (420, 52572), (422, 52563), (425, 52560), (426, 52557), (434, 52530), (486, 52437), (493, 52419), (499, 52401), (502, 52389), (508, 52374), (512, 52362), (556, 52251), (557, 52248), (570, 52218), (586, 52182), (676, 51957), (677, 51954), (684, 51918), (690, 51894), (696, 51861), (727, 51753), (729, 51747), (731, 51741), (732, 51738), (765, 51639), (766, 51636), (771, 51621), (796, 51543), (800, 51531), (806, 51510), (808, 51501), (822, 51471), (837, 51447), (852, 51414), (857, 51381), (862, 51363), (864, 51357), (879, 51318), (882, 51300), (884, 51288), (892, 51264), (908, 51222), (911, 51216), (922, 51192),

Gene: PotPie_44 Start: 34903, Stop: 32528, Start Num: 41

Candidate Starts for PotPie_44:

(Start: 41 @34903 has 13 MA's), (58, 34843), (71, 34801), (83, 34762), (121, 34642), (132, 34621), (156, 34597), (205, 34519), (210, 34513), (211, 34510), (Start: 243 @34480 has 2 MA's), (262, 34432), (274, 34405), (Start: 276 @34402 has 5 MA's), (311, 34345), (333, 34306), (342, 34285), (366, 34243), (379, 34219), (382, 34210), (384, 34204), (386, 34198), (398, 34165), (405, 34144), (412, 34123), (469, 33940), (489, 33865), (500, 33823), (547, 33736), (586, 33712), (594, 33688), (599, 33679), (609, 33658), (634, 33607), (635, 33604), (642, 33589), (654, 33568), (688, 33442), (699, 33394), (701, 33385), (712, 33343), (735, 33250), (744, 33214), (746, 33208), (748, 33202), (750, 33196), (766, 33139), (773, 33115), (801, 33010), (802, 33007), (838, 32914), (844, 32896), (854, 32857), (863, 32815), (871, 32791), (879, 32761), (888, 32713), (896, 32689), (910, 32644), (945, 32557),

Gene: PotatoSplit_50 Start: 31856, Stop: 30042, Start Num: 229

Candidate Starts for PotatoSplit_50:

(Start: 229 @31856 has 918 MA's), (255, 31817), (261, 31805), (341, 31652), (349, 31637), (382, 31580), (402, 31523), (404, 31514), (418, 31472), (432, 31421), (448, 31370), (500, 31277), (516, 31229), (519, 31220), (528, 31205), (543, 31166), (553, 31139), (566, 31109), (607, 31016), (639, 30956), (649, 30941), (695, 30785), (719, 30698), (735, 30632), (745, 30593), (766, 30521), (777, 30482), (786, 30458), (792, 30440), (802, 30407), (811, 30380), (840, 30326), (857, 30266), (881, 30188), (898, 30131), (903, 30119), (909, 30110),

Gene: Potter_59 Start: 54044, Stop: 52185, Start Num: 197

Candidate Starts for Potter_59:

(Start: 175 @54068 has 5 MA's), (Start: 197 @54044 has 267 MA's), (Start: 231 @54020 has 5 MA's), (Start: 243 @54014 has 2 MA's), (260, 53972), (267, 53951), (316, 53837), (319, 53831), (337, 53801), (371, 53741), (381, 53720), (399, 53666), (403, 53654), (409, 53636), (413, 53624), (445, 53519), (486, 53462), (499, 53426), (502, 53414), (512, 53387), (531, 53342), (553, 53285), (556, 53276), (557, 53273), (690, 52913), (696, 52880), (702, 52859), (729, 52766), (732, 52757), (747, 52694), (765, 52658), (766, 52655), (771, 52640), (796, 52562), (800, 52550), (806, 52529), (822, 52490), (857, 52400), (862, 52382), (864, 52376), (870, 52361), (879, 52337), (881, 52322), (882, 52319), (884, 52307), (892, 52283), (911, 52235), (922, 52211),

Gene: Power_43 Start: 31319, Stop: 29532, Start Num: 229

Candidate Starts for Power_43:

(98, 31574), (Start: 229 @31319 has 918 MA's), (341, 31115), (343, 31112), (347, 31106), (354, 31091), (365, 31076), (382, 31043), (383, 31040), (394, 31013), (402, 30986), (408, 30965), (418, 30935), (448, 30833), (451, 30824), (500, 30740), (516, 30692), (519, 30683), (528, 30668), (553, 30602), (588, 30521), (611, 30473), (614, 30467), (649, 30404), (678, 30329), (695, 30248), (707, 30197), (718, 30164), (719, 30161), (735, 30095), (745, 30056), (758, 30035), (792, 29930), (802, 29897), (811, 29870), (828, 29834), (837, 29822), (840, 29816), (853, 29780), (857, 29756), (881, 29678), (898, 29621), (903, 29609), (909, 29600),

Gene: Powerpuff_43 Start: 30792, Stop: 32657, Start Num: 229

Candidate Starts for Powerpuff_43:

(Start: 229 @30792 has 918 MA's), (260, 30840), (394, 31089), (421, 31179), (501, 31386), (504, 31395), (540, 31485), (543, 31494), (548, 31509), (567, 31554), (588, 31599), (611, 31647), (640, 31704), (669, 31785), (689, 31872), (695, 31905), (704, 31935), (719, 31992), (735, 32058), (741, 32082), (764, 32151), (786, 32223), (789, 32232), (825, 32331), (853, 32394), (857, 32418), (891, 32529), (898, 32553), (902, 32562),

Gene: Priamo_47 Start: 29939, Stop: 28098, Start Num: 229

Candidate Starts for Priamo_47:

(Start: 229 @29939 has 918 MA's), (341, 29735), (382, 29660), (383, 29657), (394, 29630), (398, 29615), (402, 29603), (418, 29552), (448, 29450), (500, 29357), (512, 29318), (519, 29300), (553,

29219), (569, 29183), (615, 29081), (649, 29021), (678, 28937), (695, 28856), (718, 28772), (719, 28769), (723, 28760), (728, 28733), (735, 28703), (758, 28643), (771, 28604), (777, 28580), (853, 28388), (854, 28385), (857, 28364), (898, 28229), (903, 28217), (909, 28208), (911, 28205), (947, 28112),

Gene: Prickles_62 Start: 54544, Stop: 52685, Start Num: 197

Candidate Starts for Prickles_62:

(Start: 175 @54568 has 5 MA's), (Start: 197 @54544 has 267 MA's), (Start: 231 @54520 has 5 MA's), (Start: 243 @54514 has 2 MA's), (260, 54472), (267, 54451), (316, 54337), (319, 54331), (337, 54301), (371, 54241), (381, 54220), (399, 54166), (403, 54154), (409, 54136), (413, 54124), (445, 54019), (486, 53962), (499, 53926), (502, 53914), (512, 53887), (516, 53878), (531, 53842), (553, 53785), (556, 53776), (557, 53773), (558, 53770), (690, 53413), (696, 53380), (702, 53359), (729, 53266), (732, 53257), (747, 53194), (765, 53158), (766, 53155), (771, 53140), (796, 53062), (800, 53050), (806, 53029), (822, 52990), (857, 52900), (862, 52882), (864, 52876), (870, 52861), (879, 52837), (881, 52822), (882, 52819), (884, 52807), (892, 52783), (911, 52735), (922, 52711),

Gene: Prince_53 Start: 54170, Stop: 52347, Start Num: 189

Candidate Starts for Prince_53:

(Start: 175 @54188 has 5 MA's), (Start: 189 @54170 has 57 MA's), (Start: 243 @54146 has 2 MA's), (253, 54119), (260, 54104), (267, 54083), (308, 53996), (368, 53891), (386, 53849), (409, 53783), (420, 53753), (422, 53744), (425, 53741), (426, 53738), (486, 53618), (493, 53600), (499, 53582), (502, 53570), (508, 53555), (512, 53543), (556, 53432), (557, 53429), (570, 53399), (586, 53363), (676, 53138), (677, 53135), (684, 53099), (690, 53075), (696, 53042), (727, 52934), (729, 52928), (732, 52919), (765, 52820), (766, 52817), (771, 52802), (796, 52724), (800, 52712), (806, 52691), (808, 52682), (822, 52652), (852, 52595), (857, 52562), (862, 52544), (864, 52538), (879, 52499), (882, 52481), (884, 52469), (892, 52445), (908, 52403), (911, 52397), (922, 52373),

Gene: PrincePhergus_37 Start: 28495, Stop: 26645, Start Num: 268

Candidate Starts for PrincePhergus_37:

(Start: 268 @28495 has 18 MA's), (336, 28372), (355, 28339), (405, 28228), (412, 28207), (415, 28201), (417, 28192), (431, 28150), (479, 27994), (493, 27940), (497, 27934), (498, 27931), (500, 27919), (509, 27889), (530, 27832), (610, 27685), (670, 27538), (728, 27328), (731, 27319), (732, 27316), (735, 27298), (746, 27256), (751, 27241), (773, 27169), (834, 26980), (836, 26971), (854, 26911), (858, 26887), (869, 26854), (896, 26743),

Gene: Priya_45 Start: 31550, Stop: 29757, Start Num: 229

Candidate Starts for Priya_45:

(Start: 229 @31550 has 918 MA's), (Start: 244 @31541 has 1 MA's), (261, 31499), (325, 31379), (327, 31376), (350, 31328), (383, 31268), (395, 31238), (398, 31226), (402, 31214), (448, 31061), (500, 30968), (553, 30830), (566, 30800), (640, 30641), (649, 30629), (666, 30602), (692, 30494), (695, 30473), (732, 30338), (735, 30320), (765, 30239), (777, 30197), (802, 30122), (837, 30047), (853, 30005), (881, 29903), (898, 29846), (903, 29834), (909, 29825),

Gene: ProMouse_45 Start: 35152, Stop: 33326, Start Num: 229

Candidate Starts for ProMouse_45:

(Start: 229 @35152 has 918 MA's), (347, 34939), (382, 34876), (394, 34846), (400, 34825), (402, 34819), (404, 34810), (440, 34693), (448, 34666), (500, 34573), (504, 34558), (539, 34474), (540, 34471), (566, 34405), (580, 34375), (592, 34345), (614, 34300), (635, 34261), (695, 34081), (707, 34030), (719, 33994), (735, 33928), (745, 33889), (758, 33868), (765, 33847), (853, 33613), (854, 33610), (861, 33574), (870, 33550), (890, 33481), (898, 33454), (909, 33433),

Gene: ProfessorX_60 Start: 54043, Stop: 52184, Start Num: 197

Candidate Starts for ProfessorX_60:

(Start: 175 @54067 has 5 MA's), (Start: 197 @54043 has 267 MA's), (Start: 231 @54019 has 5 MA's), (Start: 243 @54013 has 2 MA's), (260, 53971), (267, 53950), (316, 53836), (319, 53830), (337, 53800), (371, 53740), (381, 53719), (399, 53665), (403, 53653), (409, 53635), (413, 53623), (445, 53518), (486, 53461), (499, 53425), (502, 53413), (511, 53389), (516, 53377), (524, 53359), (531, 53341), (539, 53323), (553, 53284), (556, 53275), (557, 53272), (558, 53269), (690, 52912), (696, 52879), (702, 52858), (729, 52765), (732, 52756), (747, 52693), (765, 52657), (766, 52654), (771, 52639), (796, 52561), (800, 52549), (806, 52528), (822, 52489), (857, 52399), (862, 52381), (864, 52375), (870, 52360), (879, 52336), (881, 52321), (882, 52318), (884, 52306), (892, 52282), (911, 52234), (922, 52210),

Gene: PsychoKiller_42 Start: 32441, Stop: 30048, Start Num: 32

Candidate Starts for PsychoKiller_42:

(Start: 32 @32441 has 16 MA's), (42, 32435), (Start: 55 @32387 has 1 MA's), (66, 32345), (76, 32321), (116, 32195), (121, 32171), (156, 32126), (186, 32075), (198, 32060), (211, 32039), (251, 31991), (263, 31958), (266, 31949), (311, 31874), (315, 31862), (352, 31793), (368, 31766), (371, 31760), (379, 31745), (398, 31691), (399, 31688), (405, 31670), (412, 31649), (432, 31589), (469, 31466), (470, 31460), (489, 31391), (500, 31349), (547, 31262), (570, 31238), (586, 31232), (594, 31208), (599, 31199), (606, 31184), (612, 31172), (633, 31130), (634, 31127), (635, 31124), (685, 30977), (693, 30935), (701, 30908), (702, 30902), (735, 30773), (744, 30737), (746, 30731), (748, 30725), (750, 30719), (766, 30662), (773, 30638), (783, 30593), (895, 30215), (896, 30212), (910, 30167), (914, 30158), (935, 30098),

Gene: Puhltonio_60 Start: 54318, Stop: 52459, Start Num: 197

Candidate Starts for Puhltonio_60:

(Start: 175 @54342 has 5 MA's), (Start: 197 @54318 has 267 MA's), (Start: 231 @54294 has 5 MA's), (Start: 243 @54288 has 2 MA's), (260, 54246), (267, 54225), (316, 54111), (319, 54105), (337, 54075), (371, 54015), (381, 53994), (399, 53940), (403, 53928), (409, 53910), (413, 53898), (445, 53793), (486, 53736), (499, 53700), (502, 53688), (512, 53661), (524, 53634), (531, 53616), (539, 53598), (553, 53559), (556, 53550), (557, 53547), (664, 53289), (690, 53187), (696, 53154), (702, 53133), (729, 53040), (732, 53031), (747, 52968), (765, 52932), (766, 52929), (771, 52914), (796, 52836), (800, 52824), (806, 52803), (822, 52764), (857, 52674), (862, 52656), (864, 52650), (870, 52635), (879, 52611), (881, 52596), (882, 52593), (884, 52581), (892, 52557), (911, 52509), (922, 52485),

Gene: Pukovnik_43 Start: 32125, Stop: 30323, Start Num: 229

Candidate Starts for Pukovnik_43:

(Start: 229 @32125 has 918 MA's), (341, 31921), (343, 31918), (383, 31843), (394, 31816), (402, 31789), (408, 31768), (444, 31648), (448, 31636), (500, 31543), (516, 31495), (519, 31486), (528, 31471), (553, 31405), (603, 31288), (635, 31231), (649, 31207), (667, 31165), (682, 31102), (695, 31039), (707, 30988), (719, 30952), (728, 30916), (735, 30886), (745, 30847), (758, 30826), (765, 30805), (802, 30688), (828, 30625), (853, 30571), (857, 30547), (877, 30490), (881, 30469), (898, 30412), (903, 30400), (909, 30391),

Gene: Pumbaa_45 Start: 31515, Stop: 29686, Start Num: 229

Candidate Starts for Pumbaa_45:

(Start: 229 @31515 has 918 MA's), (250, 31494), (261, 31464), (273, 31434), (365, 31272), (376, 31254), (402, 31182), (404, 31173), (441, 31053), (448, 31029), (500, 30936), (517, 30888), (528, 30867), (543, 30828), (598, 30696), (611, 30675), (635, 30630), (640, 30618), (695, 30444), (732, 30309), (735, 30291), (745, 30252), (766, 30180), (777, 30141), (786, 30117), (788, 30111), (793, 30096), (857, 29910), (898, 29775), (903, 29763), (909, 29754),

Gene: Pumpernickel_113 Start: 82450, Stop: 80615, Start Num: 235

Candidate Starts for Pumpernickel_113:

(Start: 235 @82450 has 5 MA's), (260, 82408), (343, 82222), (380, 82165), (403, 82102), (412, 82075), (436, 82012), (502, 81886), (509, 81865), (515, 81847), (532, 81802), (543, 81775), (560, 81730), (567, 81715), (577, 81697), (581, 81685), (598, 81640), (603, 81631), (695, 81385), (714, 81319), (725, 81271), (747, 81172), (775, 81076), (777, 81067), (789, 81034), (792, 81025), (802, 80992), (816, 80956), (862, 80815), (875, 80782), (879, 80770), (886, 80731), (898, 80698),

Gene: Pumpkins_40 Start: 29815, Stop: 31680, Start Num: 229

Candidate Starts for Pumpkins_40:

(Start: 229 @29815 has 918 MA's), (260, 29863), (394, 30112), (429, 30232), (501, 30409), (543, 30517), (548, 30532), (611, 30670), (669, 30808), (695, 30928), (719, 31015), (735, 31081), (764, 31174), (853, 31417), (898, 31576), (902, 31585),

Gene: Puppies_42 Start: 34640, Stop: 32244, Start Num: 4

Candidate Starts for Puppies_42:

(Start: 4 @34640 has 5 MA's), (5, 34631), (24, 34535), (146, 34199), (Start: 162 @34169 has 2 MA's), (170, 34157), (207, 34103), (280, 33983), (298, 33962), (312, 33917), (340, 33869), (350, 33848), (418, 33686), (439, 33623), (445, 33602), (448, 33593), (499, 33512), (502, 33500), (522, 33446), (537, 33416), (547, 33389), (556, 33362), (557, 33359), (558, 33356), (627, 33209), (656, 33125), (671, 33074), (679, 33035), (682, 33026), (684, 33017), (696, 32960), (723, 32879), (729, 32849), (758, 32759), (763, 32747), (771, 32720), (796, 32642), (800, 32630), (808, 32600), (848, 32510), (852, 32495), (857, 32462), (877, 32405), (881, 32384), (882, 32381), (888, 32357), (892, 32345), (911, 32294), (922, 32270),

Gene: Puppy_47 Start: 31175, Stop: 29337, Start Num: 229

Candidate Starts for Puppy_47:

(Start: 229 @31175 has 918 MA's), (261, 31124), (298, 31058), (341, 30971), (378, 30911), (382, 30899), (402, 30842), (404, 30833), (441, 30713), (448, 30689), (500, 30593), (517, 30545), (543, 30485), (569, 30422), (598, 30353), (611, 30332), (650, 30260), (668, 30218), (678, 30176), (695, 30095), (705, 30047), (728, 29972), (735, 29942), (742, 29912), (766, 29831), (777, 29792), (786, 29768), (792, 29750), (840, 29621), (857, 29561), (898, 29426), (903, 29414), (909, 29405),

Gene: PuppyEggo_39 Start: 28937, Stop: 27072, Start Num: 270

Candidate Starts for PuppyEggo_39:

(Start: 216 @29024 has 3 MA's), (219, 29021), (Start: 270 @28937 has 147 MA's), (Start: 276 @28928 has 5 MA's), (333, 28823), (336, 28814), (353, 28784), (355, 28781), (408, 28661), (412, 28649), (415, 28643), (449, 28538), (456, 28511), (493, 28370), (497, 28364), (498, 28361), (500, 28349), (508, 28322), (509, 28319), (514, 28304), (516, 28298), (518, 28292), (531, 28259), (602, 28130), (629, 28070), (661, 27995), (728, 27755), (731, 27746), (732, 27743), (735, 27725), (746, 27683), (748, 27677), (751, 27668), (756, 27653), (773, 27596), (820, 27437), (834, 27407), (836, 27398), (854, 27338), (858, 27314), (870, 27275), (879, 27242), (880, 27230), (896, 27170),

Gene: PurpleHaze_48 Start: 31752, Stop: 29938, Start Num: 229

Candidate Starts for PurpleHaze_48:

(Start: 229 @31752 has 918 MA's), (255, 31713), (261, 31701), (341, 31548), (349, 31533), (382, 31476), (402, 31419), (404, 31410), (418, 31368), (432, 31317), (448, 31266), (500, 31173), (516, 31125), (528, 31101), (543, 31062), (553, 31035), (566, 31005), (607, 30912), (614, 30900), (639, 30852), (649, 30837), (695, 30681), (707, 30630), (718, 30597), (719, 30594), (735, 30528), (745, 30489), (766, 30417), (777, 30378), (786, 30354), (792, 30336), (802, 30303), (840, 30222), (857, 30162), (862, 30144), (881, 30084), (883, 30075), (898, 30027), (903, 30015), (909, 30006),

Gene: QMacho_45 Start: 30268, Stop: 32142, Start Num: 229

Candidate Starts for QMacho_45:

(Start: 226 @30265 has 7 MA's), (Start: 229 @30268 has 918 MA's), (266, 30337), (280, 30358), (296, 30382), (382, 30538), (404, 30604), (543, 30940), (598, 31075), (648, 31174), (683, 31297), (695, 31357), (698, 31363), (707, 31408), (716, 31438), (726, 31474), (735, 31510), (764, 31603), (793, 31696), (821, 31774), (853, 31846), (861, 31885), (877, 31927), (880, 31945), (898, 32005), (909, 32026),

Gene: QTRlifeCrisis_45 Start: 35266, Stop: 33440, Start Num: 229

Candidate Starts for QTRlifeCrisis_45:

(Start: 229 @35266 has 918 MA's), (347, 35053), (382, 34990), (394, 34960), (400, 34939), (402, 34933), (404, 34924), (440, 34807), (448, 34780), (500, 34687), (504, 34672), (516, 34639), (539, 34588), (540, 34585), (566, 34519), (580, 34489), (592, 34459), (614, 34414), (635, 34375), (695, 34195), (705, 34147), (719, 34108), (735, 34042), (745, 34003), (758, 33982), (765, 33961), (771, 33943), (792, 33877), (853, 33727), (854, 33724), (861, 33688), (870, 33664), (874, 33655), (878, 33643), (898, 33568), (909, 33547),

Gene: Qobbit_45 Start: 31512, Stop: 29719, Start Num: 229

Candidate Starts for Qobbit_45:

(Start: 229 @31512 has 918 MA's), (Start: 244 @31503 has 1 MA's), (261, 31461), (325, 31341), (327, 31338), (350, 31290), (383, 31230), (395, 31200), (398, 31188), (402, 31176), (448, 31023), (500, 30930), (553, 30792), (566, 30762), (640, 30603), (649, 30591), (666, 30564), (692, 30456), (695, 30435), (732, 30300), (735, 30282), (765, 30201), (777, 30159), (802, 30084), (837, 30009), (853, 29967), (881, 29865), (898, 29808), (903, 29796), (909, 29787),

Gene: QuadZero_37 Start: 27017, Stop: 25152, Start Num: 270

Candidate Starts for QuadZero_37:

(Start: 270 @27017 has 147 MA's), (274, 27011), (326, 26912), (333, 26903), (344, 26879), (353, 26864), (357, 26858), (384, 26807), (386, 26804), (415, 26723), (463, 26573), (465, 26570), (489, 26471), (497, 26444), (498, 26441), (500, 26429), (509, 26399), (516, 26378), (530, 26342), (610, 26195), (678, 26015), (728, 25835), (735, 25805), (750, 25751), (757, 25733), (773, 25676), (781, 25649), (790, 25607), (802, 25568), (834, 25487), (836, 25478), (854, 25418), (858, 25394), (861, 25382), (864, 25373), (870, 25355), (879, 25322), (896, 25250),

Gene: Quartz_38 Start: 28631, Stop: 26730, Start Num: 270

Candidate Starts for Quartz_38:

(Start: 270 @28631 has 147 MA's), (336, 28508), (344, 28493), (353, 28478), (373, 28445), (379, 28436), (384, 28421), (398, 28385), (403, 28370), (412, 28343), (415, 28337), (431, 28286), (443, 28247), (463, 28187), (493, 28061), (498, 28052), (500, 28040), (509, 28010), (530, 27953), (610, 27806), (629, 27761), (672, 27650), (716, 27455), (728, 27413), (735, 27383), (746, 27341), (757, 27311), (762, 27290), (773, 27254), (854, 26996), (858, 26972), (869, 26939), (870, 26933), (896, 26828),

Gene: Quasar_43 Start: 33103, Stop: 30710, Start Num: 32

Candidate Starts for Quasar_43:

(Start: 32 @33103 has 16 MA's), (42, 33097), (Start: 55 @33049 has 1 MA's), (66, 33007), (76, 32983), (116, 32857), (121, 32833), (156, 32788), (186, 32737), (198, 32722), (211, 32701), (251, 32653), (263, 32620), (266, 32611), (311, 32536), (315, 32524), (352, 32455), (368, 32428), (371, 32422), (379, 32407), (398, 32353), (399, 32350), (405, 32332), (412, 32311), (432, 32251), (469, 32128), (470, 32122), (489, 32053), (500, 32011), (547, 31924), (570, 31900), (586, 31894), (594, 31870), (599, 31861), (606, 31846), (612, 31834), (633, 31792), (634, 31789), (635, 31786), (655, 31750), (685, 31639), (701, 31570), (702, 31564), (712, 31528), (735, 31435), (737, 31426), (744, 31399), (746, 31393), (748, 31387), (750, 31381), (766, 31324), (771, 31309), (773, 31300), (783, 31255), (895, 30877), (896, 30874), (910, 30829), (914, 30820), (935, 30760),

Gene: QueenB2_44 Start: 31390, Stop: 29603, Start Num: 229

Candidate Starts for QueenB2_44:

(Start: 229 @31390 has 918 MA's), (343, 31183), (347, 31177), (354, 31162), (365, 31147), (382, 31114), (383, 31111), (394, 31084), (402, 31057), (408, 31036), (448, 30904), (500, 30811), (511, 30775), (516, 30763), (519, 30754), (528, 30739), (553, 30673), (588, 30592), (611, 30544), (614, 30538), (649, 30475), (695, 30319), (707, 30268), (718, 30235), (719, 30232), (735, 30166), (745, 30127), (758, 30106), (781, 30031), (786, 30019), (828, 29905), (840, 29887), (853, 29851), (857, 29827), (881, 29749), (898, 29692), (903, 29680), (909, 29671),

Gene: QueenBeane_60 Start: 54350, Stop: 52491, Start Num: 197

Candidate Starts for QueenBeane_60:

(Start: 175 @54374 has 5 MA's), (Start: 197 @54350 has 267 MA's), (Start: 231 @54326 has 5 MA's), (Start: 243 @54320 has 2 MA's), (260, 54278), (267, 54257), (316, 54143), (319, 54137), (337, 54107), (371, 54047), (381, 54026), (399, 53972), (403, 53960), (409, 53942), (413, 53930), (445, 53825), (486, 53768), (499, 53732), (502, 53720), (512, 53693), (531, 53648), (553, 53591), (556, 53582), (557, 53579), (690, 53219), (696, 53186), (702, 53165), (729, 53072), (732, 53063), (747, 53000), (765, 52964), (766, 52961), (771, 52946), (796, 52868), (800, 52856), (806, 52835), (822, 52796), (857, 52706), (862, 52688), (864, 52682), (870, 52667), (879, 52643), (881, 52628), (882, 52625), (884, 52613), (892, 52589), (911, 52541), (922, 52517),

Gene: QueenBeesly_44 Start: 31266, Stop: 29479, Start Num: 229

Candidate Starts for QueenBeesly_44:

(98, 31521), (Start: 229 @31266 has 918 MA's), (341, 31062), (343, 31059), (347, 31053), (354, 31038), (365, 31023), (382, 30990), (383, 30987), (394, 30960), (402, 30933), (408, 30912), (418, 30882), (448, 30780), (500, 30687), (516, 30639), (519, 30630), (528, 30615), (553, 30549), (588, 30468), (611, 30420), (614, 30414), (649, 30351), (678, 30276), (695, 30195), (707, 30144), (718, 30111), (719, 30108), (735, 30042), (745, 30003), (758, 29982), (781, 29907), (788, 29889), (802, 29844), (811, 29817), (828, 29781), (837, 29769), (840, 29763), (853, 29727), (857, 29703), (881, 29625), (898, 29568), (903, 29556), (909, 29547),

Gene: QueenPie_51 Start: 53683, Stop: 51860, Start Num: 189

Candidate Starts for QueenPie_51:

(Start: 175 @53701 has 5 MA's), (Start: 189 @53683 has 57 MA's), (Start: 243 @53659 has 2 MA's), (253, 53632), (260, 53617), (267, 53596), (308, 53509), (368, 53404), (386, 53362), (409, 53296), (420, 53266), (422, 53257), (425, 53254), (426, 53251), (434, 53224), (486, 53131), (493, 53113), (499, 53095), (502, 53083), (512, 53056), (539, 52993), (547, 52972), (553, 52954), (556, 52945), (557, 52942), (586, 52876), (676, 52651), (677, 52648), (684, 52612), (690, 52588), (696, 52555), (727, 52447), (729, 52441), (732, 52432), (765, 52333), (766, 52330), (771, 52315), (796, 52237), (800, 52225), (806, 52204), (808, 52195), (822, 52165), (840, 52135), (852, 52108), (857, 52075), (862, 52057), (864, 52051), (879, 52012), (882, 51994), (884, 51982), (892, 51958), (908, 51916), (911, 51910), (922, 51886),

Gene: Quenya_42 Start: 30106, Stop: 31977, Start Num: 238

Candidate Starts for Quenya_42:

(196, 30058), (Start: 238 @30106 has 44 MA's), (248, 30124), (266, 30175), (341, 30313), (408, 30454), (409, 30457), (437, 30538), (510, 30697), (526, 30733), (543, 30778), (548, 30793), (580, 30865), (588, 30886), (695, 31192), (707, 31243), (714, 31258), (726, 31309), (729, 31318), (735, 31345), (764, 31438), (793, 31531), (821, 31609), (853, 31681), (857, 31705), (877, 31762), (891, 31816), (898, 31840), (909, 31861),

Gene: Quesadilla_58 Start: 54997, Stop: 53174, Start Num: 197

Candidate Starts for Quesadilla_58:

(Start: 197 @54997 has 267 MA's), (253, 54943), (273, 54898), (285, 54889), (298, 54871), (316, 54817), (343, 54778), (391, 54679), (403, 54640), (412, 54616), (433, 54547), (445, 54508), (486, 54451), (499, 54415), (502, 54403), (511, 54379), (512, 54376), (516, 54367), (557, 54256), (565, 54238), (570, 54226), (586, 54190), (673, 53977), (676, 53965), (677, 53962), (679, 53944), (684, 53926), (690, 53902), (691, 53896), (696, 53869), (729, 53755), (732, 53746), (765, 53647), (766, 53644), (771, 53629), (796, 53551), (800, 53539), (806, 53518), (812, 53500), (827, 53470), (849, 53434), (857, 53389), (862, 53371), (864, 53365), (879, 53326), (880, 53314), (881, 53311), (892, 53272), (911, 53224), (922, 53200),

Gene: QuinnKiro_43 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for QuinnKiro_43:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Quisquilliae_61 Start: 54311, Stop: 52452, Start Num: 197

Candidate Starts for Quisquilliae_61:

(Start: 175 @54335 has 5 MA's), (Start: 197 @54311 has 267 MA's), (Start: 231 @54287 has 5 MA's), (Start: 243 @54281 has 2 MA's), (260, 54239), (267, 54218), (316, 54104), (319, 54098), (337, 54068), (371, 54008), (381, 53987), (399, 53933), (403, 53921), (409, 53903), (413, 53891), (445, 53786), (486, 53729), (499, 53693), (502, 53681), (511, 53657), (516, 53645), (524, 53627), (531, 53609), (539, 53591), (553, 53552), (556, 53543), (557, 53540), (558, 53537), (690, 53180), (696, 53147), (729, 53033), (732, 53024), (747, 52961), (765, 52925), (766, 52922), (771, 52907), (796, 52829), (800, 52817), (806, 52796), (822, 52757), (857, 52667), (862, 52649), (864, 52643), (870, 52628), (879, 52604), (881, 52589), (882, 52586), (884, 52574), (892, 52550), (911, 52502), (922, 52478),

Gene: Quokka_43 Start: 30374, Stop: 28545, Start Num: 228

Candidate Starts for Quokka_43:

(Start: 228 @30374 has 10 MA's), (341, 30170), (343, 30167), (347, 30161), (354, 30146), (365, 30131), (381, 30101), (382, 30098), (394, 30068), (402, 30041), (408, 30020), (418, 29990), (448, 29888), (500, 29795), (516, 29747), (519, 29738), (528, 29723), (553, 29657), (588, 29576), (611, 29528), (635, 29483), (695, 29303), (705, 29255), (707, 29252), (719, 29216), (735, 29150), (745, 29111), (758, 29090), (781, 29015), (788, 28997), (802, 28952), (811, 28925), (828, 28889), (840, 28871), (853, 28835), (857, 28811), (881, 28733), (898, 28676), (903, 28664), (909, 28655), (925, 28607), (941, 28577), (948, 28559), (950, 28556),

Gene: Qyrzula_52 Start: 52584, Stop: 50782, Start Num: 243

Candidate Starts for Qyrzula_52:

(Start: 189 @52611 has 57 MA's), (Start: 243 @52584 has 2 MA's), (254, 52554), (260, 52542), (271, 52515), (273, 52512), (278, 52503), (298, 52485), (343, 52389), (371, 52338), (382, 52314), (434, 52152), (442, 52128), (445, 52116), (486, 52059), (499, 52023), (502, 52011), (511, 51987), (544, 51909), (546, 51903), (549, 51894), (556, 51873), (557, 51870), (570, 51840), (633, 51696), (659, 51630), (673, 51591), (676, 51579), (679, 51558), (684, 51540), (696, 51483), (715, 51426), (723, 51399), (729, 51369), (732, 51360), (747, 51294), (763, 51267), (765, 51258), (771, 51240), (777, 51216), (796, 51162), (800, 51150), (806, 51129), (840, 51060), (857, 51000), (862, 50982), (875, 50949), (879, 50937), (881, 50922), (882, 50919), (884, 50907), (892, 50883), (893, 50880), (911, 50832), (912, 50829), (922, 50808), (925, 50787),

Gene: RER2_29 Start: 24985, Stop: 23201, Start Num: 229

Candidate Starts for RER2_29:

(Start: 229 @24985 has 918 MA's), (361, 24751), (378, 24721), (381, 24712), (382, 24709), (398, 24664), (402, 24652), (404, 24643), (418, 24601), (448, 24499), (477, 24478), (500, 24406), (514, 24361), (516, 24358), (536, 24316), (538, 24310), (543, 24295), (553, 24268), (598, 24163), (614, 24136), (635, 24097), (695, 23917), (705, 23869), (735, 23764), (736, 23761), (758, 23704), (765, 23683), (779, 23635), (804, 23560), (837, 23491), (853, 23449), (857, 23425), (881, 23347), (898, 23290), (903, 23278), (925, 23221),

Gene: RGL3_31 Start: 25970, Stop: 24174, Start Num: 229

Candidate Starts for RGL3_31:

(Start: 229 @25970 has 918 MA's), (341, 25766), (347, 25757), (365, 25727), (378, 25706), (400, 25643), (404, 25628), (408, 25616), (441, 25508), (448, 25484), (451, 25475), (486, 25433), (487, 25430), (500, 25391), (514, 25346), (516, 25343), (543, 25280), (550, 25259), (553, 25253), (598, 25148), (614, 25121), (635, 25082), (639, 25073), (650, 25055), (668, 25013), (695, 24890), (705, 24842), (735, 24737), (765, 24656), (769, 24644), (837, 24464), (840, 24458), (853, 24422), (854, 24419), (857, 24398), (898, 24263), (903, 24251), (909, 24242), (923, 24212), (925, 24194),

Gene: Raccoon_38 Start: 29022, Stop: 27157, Start Num: 270

Candidate Starts for Raccoon_38:

(Start: 270 @29022 has 147 MA's), (Start: 276 @29013 has 5 MA's), (407, 28749), (412, 28734), (415, 28728), (456, 28596), (471, 28542), (493, 28455), (498, 28446), (500, 28434), (508, 28407), (509, 28404), (514, 28389), (516, 28383), (670, 28053), (728, 27840), (731, 27831), (732, 27828), (735, 27810), (746, 27768), (751, 27753), (773, 27681), (781, 27654), (820, 27522), (834, 27492), (854, 27423), (858, 27399), (870, 27360), (880, 27315),

Gene: Racecar_100 Start: 78450, Stop: 80246, Start Num: 245

Candidate Starts for Racecar_100:

(Start: 245 @78450 has 2 MA's), (296, 78546), (403, 78762), (412, 78789), (415, 78795), (440, 78864), (451, 78900), (532, 79047), (535, 79053), (543, 79074), (548, 79089), (635, 79278), (658, 79323), (671, 79356), (675, 79374), (682, 79407), (692, 79446), (695, 79467), (698, 79473), (726, 79587), (744, 79671), (746, 79677), (750, 79689), (764, 79737), (767, 79749), (777, 79785), (789, 79818), (792, 79827), (806, 79872), (812, 79890), (849, 79974), (853, 79995), (858, 80022), (862, 80037), (875, 80070), (880, 80094), (885, 80118), (898, 80154), (913, 80181),

Gene: Rachaly_45 Start: 31989, Stop: 30202, Start Num: 229

Candidate Starts for Rachaly_45:

(Start: 229 @31989 has 918 MA's), (343, 31782), (347, 31776), (365, 31746), (382, 31713), (383, 31710), (398, 31668), (402, 31656), (448, 31503), (500, 31410), (516, 31362), (519, 31353), (528, 31338), (553, 31272), (611, 31143), (678, 30999), (695, 30918), (707, 30867), (718, 30834), (719, 30831), (735, 30765), (745, 30726), (758, 30705), (781, 30630), (786, 30618), (811, 30540), (828, 30504), (840, 30486), (853, 30450), (857, 30426), (881, 30348), (898, 30291), (903, 30279), (909, 30270),

Gene: RagingRooster_57 Start: 53332, Stop: 51515, Start Num: 238

Candidate Starts for RagingRooster_57:

(124, 53515), (Start: 238 @53332 has 44 MA's), (253, 53302), (347, 53122), (408, 52969), (412, 52957), (422, 52927), (426, 52921), (445, 52858), (447, 52852), (486, 52801), (498, 52774), (499, 52765), (516, 52717), (557, 52612), (596, 52516), (627, 52465), (676, 52321), (684, 52282), (691, 52252), (696, 52225), (700, 52213), (727, 52117), (729, 52111), (732, 52102), (734, 52090), (759, 52018), (765, 51988), (771, 51970), (773, 51961), (796, 51892), (800, 51880), (806, 51859), (840, 51790), (849, 51775), (854, 51751), (857, 51730), (862, 51712), (864, 51706), (877, 51673), (879, 51667), (882, 51649), (884, 51637), (888, 51625), (892, 51613), (908, 51571), (922, 51541),

Gene: Rahalelujah_44 Start: 30731, Stop: 28938, Start Num: 229

Candidate Starts for Rahalelujah_44:

(Start: 229 @30731 has 918 MA's), (Start: 244 @30722 has 1 MA's), (261, 30680), (311, 30593), (341, 30527), (347, 30518), (350, 30509), (362, 30491), (383, 30449), (394, 30422), (398, 30407), (402, 30395), (418, 30344), (448, 30242), (497, 30164), (500, 30149), (519, 30092), (566, 29981), (608, 29885), (640, 29822), (666, 29783), (668, 29777), (695, 29654), (723, 29558), (728, 29531), (735, 29501), (745, 29462), (765, 29420), (802, 29303), (837, 29228), (853, 29186), (881, 29084), (898, 29027), (903, 29015), (909, 29006),

Gene: Rajelicia_46 Start: 35200, Stop: 33413, Start Num: 229

Candidate Starts for Rajelicia_46:

(Start: 229 @35200 has 918 MA's), (347, 34987), (354, 34972), (394, 34894), (400, 34873), (402, 34867), (404, 34858), (440, 34741), (448, 34714), (500, 34621), (504, 34606), (539, 34522), (540, 34519), (566, 34453), (580, 34423), (592, 34393), (614, 34348), (635, 34309), (695, 34129), (705, 34081), (719, 34042), (735, 33976), (763, 33904), (765, 33895), (792, 33811), (823, 33724), (870, 33598), (875, 33586), (898, 33502), (901, 33496),

Gene: RanchParmCat_48 Start: 34005, Stop: 31612, Start Num: 39

Candidate Starts for RanchParmCat_48:

(13, 34134), (15, 34125), (Start: 39 @34005 has 23 MA's), (Start: 59 @33939 has 1 MA's), (80, 33873), (100, 33816), (116, 33777), (121, 33753), (132, 33732), (198, 33642), (241, 33594), (248, 33579), (266, 33531), (283, 33501), (313, 33450), (315, 33444), (317, 33438), (352, 33366), (366, 33342), (379, 33318), (405, 33243), (412, 33222), (432, 33162), (447, 33117), (460, 33069), (487, 32961), (489, 32955), (512, 32874), (547, 32826), (601, 32766), (634, 32694), (655, 32652), (659, 32640), (693, 32499), (699, 32475), (701, 32466), (712, 32424), (735, 32331), (744, 32295), (746, 32289), (750, 32277), (757, 32253), (766, 32220), (773, 32196), (778, 32178), (803, 32085), (841, 31989), (844, 31977), (845, 31974), (854, 31938), (857, 31917), (868, 31884), (873, 31866), (887, 31797), (896, 31770), (902, 31746), (944, 31638), (949, 31626),

Gene: Rapheph_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Rapheph_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (602, 28123), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Raptor_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for Raptor_39:

(Start: 216 @29021 has 3 MA's), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (497, 28361), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Rasputia_89 Start: 56570, Stop: 58606, Start Num: 188

Candidate Starts for Rasputia_89:

(Start: 188 @56570 has 5 MA's), (198, 56582), (Start: 234 @56627 has 1 MA's), (254, 56669), (271, 56711), (366, 56894), (368, 56897), (375, 56909), (390, 56948), (392, 56954), (432, 57086), (442,

57116), (474, 57230), (500, 57323), (508, 57350), (533, 57416), (561, 57458), (568, 57473), (590, 57512), (594, 57524), (597, 57530), (604, 57545), (632, 57611), (704, 57812), (735, 57926), (773, 58061), (792, 58136), (802, 58169), (830, 58241), (845, 58283), (852, 58307), (854, 58319), (858, 58343), (860, 58349), (864, 58364), (872, 58394), (876, 58412), (882, 58439), (883, 58445), (889, 58472), (896, 58493), (899, 58511), (903, 58523), (910, 58541), (932, 58601),

Gene: Rasputin_36 Start: 28083, Stop: 26299, Start Num: 229

Candidate Starts for Rasputin_36:

(Start: 229 @28083 has 918 MA's), (361, 27849), (378, 27819), (381, 27810), (382, 27807), (398, 27762), (402, 27750), (418, 27699), (448, 27597), (477, 27576), (500, 27504), (514, 27459), (516, 27456), (536, 27414), (538, 27408), (543, 27393), (553, 27366), (598, 27261), (603, 27252), (614, 27234), (635, 27195), (668, 27138), (695, 27015), (705, 26967), (735, 26862), (736, 26859), (758, 26802), (765, 26781), (779, 26733), (804, 26658), (837, 26589), (853, 26547), (857, 26523), (881, 26445), (898, 26388), (903, 26376), (909, 26367), (923, 26337), (925, 26319),

Gene: RawrgerThat_54 Start: 54025, Stop: 52202, Start Num: 189

Candidate Starts for RawrgerThat_54:

(Start: 175 @54043 has 5 MA's), (Start: 189 @54025 has 57 MA's), (Start: 243 @54001 has 2 MA's), (253, 53974), (260, 53959), (267, 53938), (308, 53851), (368, 53746), (381, 53719), (386, 53704), (409, 53638), (420, 53608), (422, 53599), (425, 53596), (426, 53593), (434, 53566), (445, 53530), (486, 53473), (493, 53455), (499, 53437), (502, 53425), (512, 53398), (539, 53335), (553, 53296), (556, 53287), (557, 53284), (570, 53254), (586, 53218), (676, 52993), (677, 52990), (684, 52954), (696, 52897), (727, 52789), (729, 52783), (732, 52774), (765, 52675), (766, 52672), (771, 52657), (796, 52579), (800, 52567), (806, 52546), (808, 52537), (822, 52507), (840, 52477), (852, 52450), (857, 52417), (864, 52393), (879, 52354), (882, 52336), (884, 52324), (892, 52300), (908, 52258), (911, 52252), (922, 52228),

Gene: ReMo_46 Start: 29740, Stop: 27950, Start Num: 229

Candidate Starts for ReMo_46:

(Start: 229 @29740 has 918 MA's), (327, 29566), (382, 29461), (383, 29458), (394, 29431), (402, 29404), (418, 29353), (448, 29251), (500, 29158), (514, 29113), (516, 29110), (519, 29101), (588, 28939), (598, 28912), (611, 28891), (614, 28885), (669, 28786), (678, 28747), (690, 28696), (695, 28666), (707, 28615), (718, 28582), (726, 28549), (728, 28543), (735, 28513), (758, 28453), (765, 28432), (777, 28390), (787, 28363), (792, 28348), (823, 28261), (853, 28198), (854, 28195), (898, 28039), (903, 28027), (911, 28015),

Gene: Reba_48 Start: 31412, Stop: 29598, Start Num: 229

Candidate Starts for Reba_48:

(Start: 229 @31412 has 918 MA's), (255, 31373), (261, 31361), (341, 31208), (349, 31193), (382, 31136), (402, 31079), (404, 31070), (418, 31028), (432, 30977), (448, 30926), (500, 30833), (516, 30785), (528, 30761), (543, 30722), (553, 30695), (566, 30665), (607, 30572), (614, 30560), (639, 30512), (649, 30497), (695, 30341), (707, 30290), (718, 30257), (719, 30254), (735, 30188), (745, 30149), (766, 30077), (777, 30038), (786, 30014), (792, 29996), (802, 29963), (840, 29882), (857, 29822), (862, 29804), (881, 29744), (883, 29735), (898, 29687), (903, 29675), (909, 29666),

Gene: Rebeuca_44 Start: 31493, Stop: 29658, Start Num: 229

Candidate Starts for Rebeuca_44:

(Start: 229 @31493 has 918 MA's), (261, 31442), (298, 31376), (341, 31289), (354, 31265), (378, 31229), (382, 31217), (402, 31160), (404, 31151), (448, 31007), (483, 30965), (500, 30914), (517, 30866), (543, 30806), (596, 30677), (598, 30674), (611, 30653), (614, 30647), (668, 30539), (695, 30416), (705, 30368), (728, 30293), (735, 30263), (745, 30224), (765, 30155), (766, 30152), (777, 30113), (786, 30089), (788, 30083), (792, 30071), (857, 29882), (864, 29858), (883, 29795), (898, 29747), (903, 29735), (909, 29726),

Gene: RedBaron_45 Start: 32770, Stop: 30377, Start Num: 32

Candidate Starts for RedBaron_45:

(Start: 32 @32770 has 16 MA's), (42, 32764), (Start: 55 @32716 has 1 MA's), (66, 32674), (76, 32650), (116, 32524), (121, 32500), (156, 32455), (186, 32404), (198, 32389), (211, 32368), (251, 32320), (266, 32278), (311, 32203), (315, 32191), (352, 32122), (371, 32089), (379, 32074), (398, 32020), (399, 32017), (405, 31999), (412, 31978), (432, 31918), (469, 31795), (470, 31789), (489, 31720), (500, 31678), (547, 31591), (570, 31567), (586, 31561), (594, 31537), (599, 31528), (606, 31513), (612, 31501), (633, 31459), (634, 31456), (635, 31453), (685, 31306), (701, 31237), (702, 31231), (712, 31195), (735, 31102), (737, 31093), (744, 31066), (746, 31060), (748, 31054), (750, 31048), (766, 30991), (773, 30967), (783, 30922), (895, 30544), (896, 30541), (910, 30496), (914, 30487), (935, 30427),

Gene: RedMaple_62 Start: 54786, Stop: 52927, Start Num: 197

Candidate Starts for RedMaple_62:

(Start: 175 @54810 has 5 MA's), (Start: 197 @54786 has 267 MA's), (Start: 231 @54762 has 5 MA's), (Start: 243 @54756 has 2 MA's), (260, 54714), (267, 54693), (316, 54579), (319, 54573), (337, 54543), (371, 54483), (381, 54462), (399, 54408), (403, 54396), (409, 54378), (413, 54366), (445, 54261), (486, 54204), (499, 54168), (502, 54156), (511, 54132), (516, 54120), (524, 54102), (531, 54084), (539, 54066), (553, 54027), (556, 54018), (557, 54015), (558, 54012), (690, 53655), (696, 53622), (702, 53601), (729, 53508), (732, 53499), (747, 53436), (765, 53400), (766, 53397), (771, 53382), (796, 53304), (800, 53292), (806, 53271), (822, 53232), (857, 53142), (862, 53124), (864, 53118), (870, 53103), (879, 53079), (881, 53064), (882, 53061), (884, 53049), (892, 53025), (911, 52977), (922, 52953),

Gene: RedRock_46 Start: 32469, Stop: 30682, Start Num: 229

Candidate Starts for RedRock_46:

(Start: 229 @32469 has 918 MA's), (341, 32265), (343, 32262), (354, 32241), (365, 32226), (382, 32193), (394, 32163), (402, 32136), (408, 32115), (448, 31983), (500, 31890), (516, 31842), (519, 31833), (528, 31818), (553, 31752), (588, 31671), (611, 31623), (650, 31551), (678, 31479), (695, 31398), (707, 31347), (718, 31314), (719, 31311), (735, 31245), (745, 31206), (758, 31185), (765, 31164), (840, 30966), (853, 30930), (854, 30927), (857, 30906), (877, 30849), (881, 30828), (898, 30771), (903, 30759), (909, 30750),

Gene: Redfield_38 Start: 29054, Stop: 27189, Start Num: 270

Candidate Starts for Redfield_38:

(Start: 270 @29054 has 147 MA's), (Start: 276 @29045 has 5 MA's), (407, 28781), (412, 28766), (415, 28760), (456, 28628), (471, 28574), (493, 28487), (498, 28478), (500, 28466), (508, 28439), (509, 28436), (514, 28421), (516, 28415), (670, 28085), (728, 27872), (731, 27863), (732, 27860), (735, 27842), (746, 27800), (757, 27770), (773, 27713), (820, 27554), (834, 27524), (854, 27455), (858, 27431), (860, 27425), (870, 27392), (879, 27359), (880, 27347),

Gene: Reedo_40 Start: 27887, Stop: 29797, Start Num: 229

Candidate Starts for Reedo_40:

(90, 27626), (135, 27752), (Start: 229 @27887 has 918 MA's), (260, 27935), (327, 28061), (341, 28091), (394, 28184), (400, 28205), (421, 28274), (501, 28526), (504, 28535), (543, 28634), (548, 28649), (611, 28787), (669, 28925), (678, 28964), (695, 29045), (719, 29132), (728, 29168), (733, 29189), (735, 29198), (786, 29363), (789, 29372), (898, 29693), (902, 29702),

Gene: Refuge_44 Start: 32644, Stop: 30800, Start Num: 229

Candidate Starts for Refuge_44:

(Start: 229 @32644 has 918 MA's), (254, 32608), (260, 32596), (261, 32593), (296, 32533), (298, 32527), (327, 32470), (347, 32431), (382, 32365), (383, 32362), (402, 32308), (408, 32287), (444,

32167), (448, 32155), (500, 32062), (516, 32014), (519, 32005), (528, 31990), (553, 31924), (576, 31876), (603, 31807), (649, 31726), (667, 31684), (678, 31639), (684, 31612), (695, 31558), (707, 31507), (719, 31471), (735, 31405), (745, 31366), (758, 31345), (765, 31324), (828, 31144), (853, 31090), (854, 31087), (857, 31066), (877, 31009), (881, 30988), (898, 30931), (903, 30919), (925, 30862),

Gene: Relief_44 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Relief_44:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Remus_47 Start: 29659, Stop: 27869, Start Num: 229

Candidate Starts for Remus_47:

(Start: 229 @29659 has 918 MA's), (327, 29485), (382, 29380), (383, 29377), (394, 29350), (402, 29323), (418, 29272), (448, 29170), (500, 29077), (514, 29032), (516, 29029), (519, 29020), (588, 28858), (598, 28831), (611, 28810), (614, 28804), (669, 28705), (678, 28666), (690, 28615), (695, 28585), (707, 28534), (718, 28501), (728, 28462), (735, 28432), (758, 28372), (765, 28351), (777, 28309), (787, 28282), (823, 28180), (853, 28117), (854, 28114), (898, 27958), (903, 27946), (911, 27934),

Gene: RemusLoopin_36 Start: 28123, Stop: 30075, Start Num: 229

Candidate Starts for RemusLoopin_36:

(Start: 229 @28123 has 918 MA's), (250, 28144), (273, 28204), (341, 28333), (376, 28390), (394, 28435), (395, 28438), (450, 28621), (490, 28672), (501, 28711), (522, 28768), (528, 28783), (539, 28810), (542, 28819), (543, 28822), (544, 28825), (549, 28840), (564, 28873), (598, 28954), (611, 28975), (617, 28987), (664, 29119), (695, 29254), (705, 29302), (719, 29341), (721, 29344), (726, 29371), (733, 29398), (735, 29407), (742, 29437), (750, 29461), (771, 29524), (825, 29680), (849, 29722), (852, 29734), (857, 29767), (861, 29782), (864, 29791), (875, 29818), (898, 29902), (903, 29914), (928, 29977),

Gene: Renzie_39 Start: 28913, Stop: 27057, Start Num: 276

Candidate Starts for Renzie_39:

(Start: 216 @29009 has 3 MA's), (Start: 270 @28922 has 147 MA's), (Start: 276 @28913 has 5 MA's), (333, 28808), (336, 28799), (353, 28769), (355, 28766), (408, 28646), (412, 28634), (415, 28628), (449, 28523), (456, 28496), (493, 28355), (497, 28349), (498, 28346), (500, 28334), (508, 28307), (509, 28304), (514, 28289), (516, 28283), (518, 28277), (531, 28244), (602, 28115), (629, 28055), (728, 27740), (731, 27731), (732, 27728), (735, 27710), (746, 27668), (748, 27662), (756, 27638), (773, 27581), (820, 27422), (834, 27392), (836, 27383), (854, 27323), (858, 27299), (870, 27260), (879, 27227), (880, 27215), (896, 27155),

Gene: Reprobate_57 Start: 54575, Stop: 52746, Start Num: 189

Candidate Starts for Reprobate_57:

(Start: 189 @54575 has 57 MA's), (224, 54554), (Start: 242 @54545 has 4 MA's), (253, 54518), (260, 54503), (298, 54446), (381, 54278), (408, 54200), (413, 54185), (420, 54167), (425, 54155), (436, 54119), (445, 54089), (499, 53996), (502, 53984), (503, 53981), (511, 53960), (512, 53957), (516, 53948), (524, 53930), (549, 53867), (557, 53843), (603, 53738), (655, 53615), (664, 53591), (673, 53564), (676, 53552), (677, 53549), (679, 53531), (684, 53513), (691, 53483), (696, 53456), (711, 53405), (729, 53342), (732, 53333), (759, 53249), (766, 53216), (771, 53201), (790, 53141), (796, 53123), (800, 53111), (806, 53090), (808, 53081), (810, 53078), (857, 52961), (862, 52943), (864, 52937), (879, 52898), (880, 52886), (881, 52883), (884, 52868), (888, 52856), (892, 52844), (908,

52802), (912, 52793), (922, 52772), (925, 52751),

Gene: ResDef_44 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for ResDef_44:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Retro23_45 Start: 31674, Stop: 29887, Start Num: 229

Candidate Starts for Retro23_45:

(Start: 229 @31674 has 918 MA's), (341, 31470), (343, 31467), (347, 31461), (354, 31446), (365, 31431), (382, 31398), (383, 31395), (394, 31368), (402, 31341), (408, 31320), (448, 31188), (500, 31095), (511, 31059), (516, 31047), (519, 31038), (528, 31023), (553, 30957), (588, 30876), (611, 30828), (614, 30822), (649, 30759), (695, 30603), (707, 30552), (718, 30519), (719, 30516), (735, 30450), (745, 30411), (758, 30390), (781, 30315), (786, 30303), (828, 30189), (840, 30171), (853, 30135), (857, 30111), (881, 30033), (898, 29976), (903, 29964), (909, 29955),

Gene: RexFury_36 Start: 28144, Stop: 26360, Start Num: 229

Candidate Starts for RexFury_36:

(Start: 229 @28144 has 918 MA's), (361, 27910), (378, 27880), (381, 27871), (382, 27868), (398, 27823), (402, 27811), (418, 27760), (448, 27658), (477, 27637), (500, 27565), (514, 27520), (516, 27517), (536, 27475), (538, 27469), (543, 27454), (553, 27427), (598, 27322), (603, 27313), (614, 27295), (615, 27292), (635, 27256), (668, 27199), (695, 27076), (705, 27028), (735, 26923), (736, 26920), (758, 26863), (765, 26842), (766, 26839), (779, 26794), (804, 26719), (837, 26650), (853, 26608), (857, 26584), (881, 26506), (898, 26449), (903, 26437), (909, 26428), (923, 26398), (925, 26380),

Gene: Rhinoforte_57 Start: 52610, Stop: 50781, Start Num: 189

Candidate Starts for Rhinoforte_57:

(Start: 189 @52610 has 57 MA's), (Start: 243 @52583 has 2 MA's), (254, 52553), (260, 52541), (271, 52514), (273, 52511), (278, 52502), (298, 52484), (343, 52388), (371, 52337), (382, 52313), (391, 52289), (434, 52151), (442, 52127), (445, 52115), (486, 52058), (499, 52022), (502, 52010), (511, 51986), (546, 51902), (556, 51872), (557, 51869), (570, 51839), (633, 51695), (659, 51629), (673, 51590), (676, 51578), (679, 51557), (684, 51539), (696, 51482), (715, 51425), (723, 51398), (729, 51368), (732, 51359), (747, 51293), (763, 51266), (765, 51257), (771, 51239), (777, 51215), (796, 51161), (800, 51149), (806, 51128), (840, 51059), (857, 50999), (862, 50981), (875, 50948), (879, 50936), (881, 50921), (882, 50918), (884, 50906), (892, 50882), (893, 50879), (911, 50831), (912, 50828), (922, 50807), (925, 50786),

Gene: Rhodalysa_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for Rhodalysa_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: RhynO_45 Start: 31292, Stop: 29457, Start Num: 229

Candidate Starts for RhynO_45:

(Start: 229 @31292 has 918 MA's), (261, 31241), (298, 31175), (341, 31088), (354, 31064), (378, 31028), (382, 31016), (402, 30959), (404, 30950), (429, 30866), (441, 30830), (444, 30818), (448, 30806), (500, 30713), (517, 30665), (543, 30605), (596, 30476), (598, 30473), (611, 30452), (614, 30446), (668, 30338), (695, 30215), (705, 30167), (728, 30092), (735, 30062), (745, 30023), (765, 29954), (766, 29951), (777, 29912), (786, 29888), (788, 29882), (792, 29870), (831, 29762), (857, 29681), (864, 29657), (883, 29594), (898, 29546), (903, 29534), (909, 29525),

Gene: Rhynn_44 Start: 34513, Stop: 32687, Start Num: 229

Candidate Starts for Rhynn_44:

(Start: 229 @34513 has 918 MA's), (347, 34300), (382, 34237), (394, 34207), (400, 34186), (402, 34180), (404, 34171), (440, 34054), (448, 34027), (500, 33934), (504, 33919), (516, 33886), (539, 33835), (540, 33832), (566, 33766), (580, 33736), (592, 33706), (614, 33661), (635, 33622), (695, 33442), (705, 33394), (719, 33355), (735, 33289), (745, 33250), (758, 33229), (765, 33208), (771, 33190), (792, 33124), (853, 32974), (854, 32971), (861, 32935), (870, 32911), (874, 32902), (878, 32890), (898, 32815), (909, 32794),

Gene: Rich_58 Start: 55836, Stop: 53983, Start Num: 189

Candidate Starts for Rich_58:

(112, 55995), (144, 55914), (Start: 189 @55836 has 57 MA's), (Start: 225 @55791 has 1 MA's), (253, 55755), (286, 55695), (345, 55584), (409, 55434), (425, 55392), (436, 55356), (445, 55326), (499, 55233), (502, 55221), (511, 55197), (516, 55185), (524, 55167), (549, 55104), (557, 55080), (603, 54975), (677, 54786), (679, 54768), (691, 54720), (696, 54693), (702, 54672), (727, 54585), (729, 54579), (732, 54570), (736, 54549), (759, 54486), (766, 54453), (771, 54438), (790, 54378), (796, 54360), (800, 54348), (806, 54327), (808, 54318), (810, 54315), (857, 54198), (864, 54174), (879, 54135), (881, 54120), (882, 54117), (892, 54081), (893, 54078), (922, 54009),

Gene: Ricotta_60 Start: 54043, Stop: 52184, Start Num: 197

Candidate Starts for Ricotta_60:

(Start: 175 @54067 has 5 MA's), (Start: 197 @54043 has 267 MA's), (Start: 231 @54019 has 5 MA's), (Start: 243 @54013 has 2 MA's), (260, 53971), (267, 53950), (316, 53836), (319, 53830), (337, 53800), (371, 53740), (381, 53719), (399, 53665), (403, 53653), (409, 53635), (413, 53623), (445, 53518), (486, 53461), (499, 53425), (502, 53413), (511, 53389), (516, 53377), (524, 53359), (531, 53341), (539, 53323), (553, 53284), (556, 53275), (557, 53272), (558, 53269), (664, 53014), (690, 52912), (696, 52879), (702, 52858), (729, 52765), (732, 52756), (747, 52693), (765, 52657), (766, 52654), (771, 52639), (796, 52561), (800, 52549), (806, 52528), (822, 52489), (857, 52399), (862, 52381), (864, 52375), (870, 52360), (879, 52336), (881, 52321), (882, 52318), (884, 52306), (892, 52282), (911, 52234), (922, 52210),

Gene: RidgeCB_44 Start: 34287, Stop: 32458, Start Num: 229

Candidate Starts for RidgeCB_44:

(Start: 229 @34287 has 918 MA's), (347, 34074), (382, 34011), (394, 33981), (400, 33960), (402, 33954), (440, 33828), (448, 33801), (500, 33708), (504, 33693), (539, 33609), (540, 33606), (566, 33540), (580, 33510), (592, 33480), (614, 33435), (635, 33396), (695, 33216), (705, 33168), (723, 33120), (732, 33081), (735, 33063), (745, 33024), (758, 33003), (765, 32982), (770, 32967), (808, 32844), (875, 32673), (880, 32649), (895, 32601), (898, 32589), (909, 32568), (912, 32562), (928, 32514), (935, 32499),

Gene: Rifter_47 Start: 29753, Stop: 27954, Start Num: 229

Candidate Starts for Rifter_47:

(Start: 229 @29753 has 918 MA's), (341, 29549), (347, 29540), (382, 29474), (383, 29471), (394, 29444), (398, 29429), (402, 29417), (418, 29366), (444, 29276), (448, 29264), (500, 29171), (516, 29123), (519, 29114), (595, 28931), (673, 28781), (695, 28676), (707, 28619), (719, 28583), (723, 28574), (728, 28547), (735, 28517), (745, 28478), (758, 28457), (769, 28424), (771, 28418), (802,

28319), (828, 28256), (853, 28202), (857, 28178), (877, 28121), (898, 28043), (903, 28031), (909, 28022), (911, 28019),

Gene: Riggan_61 Start: 54343, Stop: 52484, Start Num: 197

Candidate Starts for Riggan_61:

(Start: 175 @54367 has 5 MA's), (Start: 197 @54343 has 267 MA's), (Start: 231 @54319 has 5 MA's), (Start: 243 @54313 has 2 MA's), (260, 54271), (267, 54250), (316, 54136), (319, 54130), (337, 54100), (371, 54040), (381, 54019), (399, 53965), (403, 53953), (409, 53935), (413, 53923), (445, 53818), (486, 53761), (499, 53725), (502, 53713), (512, 53686), (524, 53659), (531, 53641), (539, 53623), (553, 53584), (556, 53575), (557, 53572), (664, 53314), (690, 53212), (696, 53179), (702, 53158), (729, 53065), (732, 53056), (747, 52993), (765, 52957), (766, 52954), (771, 52939), (796, 52861), (800, 52849), (806, 52828), (822, 52789), (857, 52699), (862, 52681), (864, 52675), (870, 52660), (879, 52636), (881, 52621), (882, 52618), (884, 52606), (892, 52582), (911, 52534), (922, 52510),

Gene: Rimu_63 Start: 54511, Stop: 52652, Start Num: 197

Candidate Starts for Rimu_63:

(Start: 175 @54535 has 5 MA's), (Start: 197 @54511 has 267 MA's), (Start: 231 @54487 has 5 MA's), (Start: 243 @54481 has 2 MA's), (260, 54439), (267, 54418), (316, 54304), (319, 54298), (337, 54268), (371, 54208), (381, 54187), (399, 54133), (403, 54121), (409, 54103), (413, 54091), (445, 53986), (486, 53929), (499, 53893), (502, 53881), (511, 53857), (516, 53845), (524, 53827), (531, 53809), (539, 53791), (553, 53752), (556, 53743), (557, 53740), (558, 53737), (664, 53482), (690, 53380), (696, 53347), (702, 53326), (729, 53233), (732, 53224), (747, 53161), (765, 53125), (766, 53122), (771, 53107), (796, 53029), (800, 53017), (806, 52996), (822, 52957), (857, 52867), (862, 52849), (864, 52843), (870, 52828), (879, 52804), (881, 52789), (882, 52786), (884, 52774), (892, 52750), (898, 52729), (911, 52702), (922, 52678),

Gene: Ringer_46 Start: 35532, Stop: 33745, Start Num: 229

Candidate Starts for Ringer_46:

(Start: 229 @35532 has 918 MA's), (347, 35319), (354, 35304), (394, 35226), (400, 35205), (402, 35199), (404, 35190), (440, 35073), (448, 35046), (500, 34953), (504, 34938), (516, 34905), (539, 34854), (540, 34851), (566, 34785), (580, 34755), (592, 34725), (614, 34680), (635, 34641), (695, 34461), (705, 34413), (719, 34374), (735, 34308), (763, 34236), (765, 34227), (792, 34143), (823, 34056), (870, 33930), (875, 33918), (898, 33834), (901, 33828),

Gene: Rings_55 Start: 36927, Stop: 34759, Start Num: 218

Candidate Starts for Rings_55:

(215, 36930), (Start: 218 @36927 has 13 MA's), (253, 36873), (291, 36789), (340, 36663), (354, 36636), (359, 36627), (382, 36582), (403, 36504), (406, 36495), (411, 36480), (417, 36465), (418, 36462), (434, 36405), (461, 36312), (467, 36270), (527, 36063), (529, 36057), (539, 36033), (546, 36012), (555, 35991), (559, 35976), (563, 35970), (591, 35907), (614, 35856), (644, 35769), (666, 35709), (678, 35661), (703, 35559), (704, 35553), (709, 35526), (710, 35523), (718, 35502), (729, 35460), (731, 35454), (736, 35430), (743, 35388), (744, 35385), (752, 35358), (760, 35325), (764, 35313), (774, 35277), (781, 35253), (783, 35247), (786, 35241), (803, 35187), (822, 35139), (823, 35136), (848, 35076), (853, 35052), (859, 35022), (876, 34968), (895, 34899), (898, 34887), (911, 34848),

Gene: Rinke_56 Start: 54543, Stop: 52693, Start Num: 197

Candidate Starts for Rinke_56:

(Start: 197 @54543 has 267 MA's), (258, 54474), (267, 54450), (328, 54330), (382, 54228), (391, 54204), (412, 54141), (413, 54138), (420, 54120), (432, 54075), (445, 54033), (486, 53976), (491, 53964), (499, 53940), (502, 53928), (511, 53904), (516, 53892), (549, 53805), (557, 53781), (565, 53763), (567, 53757), (570, 53751), (594, 53691), (611, 53667), (676, 53484), (677, 53481), (684,

53445), (691, 53415), (696, 53388), (702, 53367), (727, 53280), (729, 53274), (732, 53265), (747, 53202), (765, 53166), (766, 53163), (767, 53160), (771, 53148), (777, 53124), (796, 53070), (800, 53058), (806, 53037), (808, 53028), (812, 53019), (840, 52968), (849, 52953), (854, 52929), (857, 52908), (864, 52884), (870, 52869), (879, 52845), (880, 52833), (881, 52830), (892, 52791), (900, 52767), (901, 52764), (908, 52749), (922, 52719),

Gene: Rita1961_59 Start: 54042, Stop: 52225, Start Num: 238

Candidate Starts for Rita1961_59:

(124, 54225), (Start: 238 @54042 has 44 MA's), (253, 54012), (347, 53832), (408, 53679), (412, 53667), (422, 53637), (426, 53631), (445, 53568), (447, 53562), (486, 53511), (499, 53475), (516, 53427), (557, 53322), (596, 53226), (627, 53175), (676, 53031), (684, 52992), (691, 52962), (696, 52935), (700, 52923), (727, 52827), (729, 52821), (732, 52812), (734, 52800), (759, 52728), (765, 52698), (771, 52680), (773, 52671), (796, 52602), (800, 52590), (806, 52569), (840, 52500), (849, 52485), (854, 52461), (864, 52416), (879, 52377), (882, 52359), (884, 52347), (888, 52335), (892, 52323), (908, 52281), (922, 52251),

Gene: Riyhil_39 Start: 28940, Stop: 27075, Start Num: 270

Candidate Starts for Riyhil_39:

(Start: 216 @29027 has 3 MA's), (219, 29024), (Start: 270 @28940 has 147 MA's), (Start: 276 @28931 has 5 MA's), (333, 28826), (336, 28817), (353, 28787), (355, 28784), (408, 28664), (412, 28652), (415, 28646), (449, 28541), (456, 28514), (493, 28373), (497, 28367), (498, 28364), (500, 28352), (508, 28325), (509, 28322), (514, 28307), (516, 28301), (518, 28295), (531, 28262), (602, 28133), (629, 28073), (728, 27758), (731, 27749), (732, 27746), (735, 27728), (746, 27686), (748, 27680), (751, 27671), (756, 27656), (773, 27599), (820, 27440), (834, 27410), (836, 27401), (854, 27341), (858, 27317), (870, 27278), (879, 27245), (880, 27233), (896, 27173),

Gene: Roary_43 Start: 30556, Stop: 28712, Start Num: 229

Candidate Starts for Roary_43:

(128, 30721), (Start: 229 @30556 has 918 MA's), (261, 30505), (327, 30382), (341, 30352), (365, 30313), (382, 30280), (394, 30250), (400, 30229), (402, 30223), (404, 30214), (432, 30121), (448, 30070), (500, 29974), (503, 29962), (508, 29947), (514, 29929), (516, 29926), (519, 29917), (543, 29863), (553, 29836), (576, 29788), (614, 29704), (640, 29653), (650, 29638), (692, 29491), (695, 29470), (704, 29440), (705, 29422), (707, 29419), (714, 29404), (719, 29383), (723, 29374), (728, 29347), (732, 29335), (735, 29317), (765, 29236), (769, 29224), (786, 29170), (798, 29134), (823, 29065), (837, 29044), (840, 29038), (854, 28999), (857, 28978), (862, 28960), (898, 28843), (903, 28831),

Gene: Robinson_39 Start: 28928, Stop: 27063, Start Num: 270

Candidate Starts for Robinson_39:

(Start: 216 @29015 has 3 MA's), (219, 29012), (Start: 270 @28928 has 147 MA's), (Start: 276 @28919 has 5 MA's), (333, 28814), (336, 28805), (353, 28775), (355, 28772), (408, 28652), (412, 28640), (415, 28634), (449, 28529), (456, 28502), (493, 28361), (497, 28355), (498, 28352), (500, 28340), (508, 28313), (509, 28310), (514, 28295), (516, 28289), (518, 28283), (531, 28250), (602, 28121), (629, 28061), (728, 27746), (731, 27737), (732, 27734), (735, 27716), (746, 27674), (748, 27668), (751, 27659), (756, 27644), (773, 27587), (820, 27428), (834, 27398), (836, 27389), (854, 27329), (858, 27305), (870, 27266), (879, 27233), (880, 27221), (896, 27161),

Gene: Robyn_60 Start: 54190, Stop: 52331, Start Num: 197

Candidate Starts for Robyn_60:

(47, 54586), (69, 54499), (75, 54484), (77, 54478), (79, 54463), (84, 54445), (Start: 175 @54214 has 5 MA's), (Start: 197 @54190 has 267 MA's), (Start: 231 @54166 has 5 MA's), (Start: 243 @54160 has 2 MA's), (260, 54118), (267, 54097), (316, 53983), (319, 53977), (337, 53947), (371, 53887), (381, 53866), (399, 53812), (403, 53800), (413, 53770), (445, 53665), (486, 53608), (499, 53572), (502,

53560), (512, 53533), (516, 53524), (531, 53488), (539, 53470), (553, 53431), (556, 53422), (557, 53419), (690, 53059), (696, 53026), (702, 53005), (729, 52912), (732, 52903), (747, 52840), (765, 52804), (766, 52801), (771, 52786), (796, 52708), (800, 52696), (806, 52675), (822, 52636), (857, 52546), (862, 52528), (864, 52522), (870, 52507), (879, 52483), (881, 52468), (882, 52465), (884, 52453), (892, 52429), (911, 52381), (922, 52357),

Gene: Rockstar_45 Start: 30972, Stop: 29134, Start Num: 229

Candidate Starts for Rockstar_45:

(173, 31044), (Start: 229 @30972 has 918 MA's), (261, 30921), (341, 30768), (365, 30729), (382, 30696), (402, 30639), (404, 30630), (408, 30618), (441, 30510), (448, 30486), (500, 30390), (517, 30342), (543, 30282), (598, 30150), (611, 30129), (649, 30060), (668, 30015), (678, 29973), (695, 29892), (719, 29805), (728, 29769), (735, 29739), (766, 29628), (777, 29589), (786, 29565), (792, 29547), (837, 29424), (840, 29418), (857, 29358), (898, 29223), (903, 29211), (909, 29202),

Gene: Rog141_38 Start: 28619, Stop: 26754, Start Num: 270

Candidate Starts for Rog141_38:

(Start: 216 @28706 has 3 MA's), (219, 28703), (Start: 270 @28619 has 147 MA's), (Start: 276 @28610 has 5 MA's), (333, 28505), (336, 28496), (353, 28466), (355, 28463), (408, 28343), (412, 28331), (415, 28325), (449, 28220), (456, 28193), (493, 28052), (497, 28046), (498, 28043), (500, 28031), (508, 28004), (509, 28001), (514, 27986), (516, 27980), (518, 27974), (531, 27941), (602, 27812), (629, 27752), (728, 27437), (731, 27428), (732, 27425), (735, 27407), (746, 27365), (748, 27359), (751, 27350), (756, 27335), (773, 27278), (820, 27119), (834, 27089), (836, 27080), (854, 27020), (858, 26996), (870, 26957), (879, 26924), (880, 26912), (896, 26852),

Gene: Rohr_45 Start: 34984, Stop: 33155, Start Num: 229

Candidate Starts for Rohr_45:

(Start: 229 @34984 has 918 MA's), (347, 34771), (354, 34756), (382, 34708), (394, 34678), (400, 34657), (402, 34651), (404, 34642), (440, 34525), (448, 34498), (500, 34405), (504, 34390), (539, 34306), (540, 34303), (566, 34237), (580, 34207), (592, 34177), (614, 34132), (635, 34093), (695, 33913), (705, 33865), (723, 33817), (732, 33778), (735, 33760), (745, 33721), (758, 33700), (765, 33679), (808, 33541), (875, 33370), (880, 33346), (890, 33313), (895, 33298), (898, 33286), (909, 33265), (912, 33259), (928, 33211), (935, 33196),

Gene: Roksolana_46 Start: 29675, Stop: 27834, Start Num: 229

Candidate Starts for Roksolana_46:

(Start: 203 @29705 has 1 MA's), (Start: 229 @29675 has 918 MA's), (341, 29471), (382, 29396), (383, 29393), (394, 29366), (398, 29351), (402, 29339), (418, 29288), (444, 29198), (448, 29186), (500, 29093), (512, 29054), (519, 29036), (528, 29021), (553, 28955), (567, 28922), (569, 28919), (615, 28817), (649, 28757), (678, 28673), (695, 28592), (718, 28508), (719, 28505), (723, 28496), (728, 28469), (735, 28439), (758, 28379), (771, 28340), (853, 28124), (854, 28121), (857, 28100), (898, 27965), (903, 27953), (909, 27944), (911, 27941), (947, 27848),

Gene: Roliet_58 Start: 53385, Stop: 51526, Start Num: 197

Candidate Starts for Roliet_58:

(Start: 175 @53409 has 5 MA's), (Start: 197 @53385 has 267 MA's), (Start: 231 @53361 has 5 MA's), (Start: 243 @53355 has 2 MA's), (260, 53313), (267, 53292), (316, 53178), (319, 53172), (337, 53142), (371, 53082), (381, 53061), (399, 53007), (403, 52995), (409, 52977), (413, 52965), (445, 52860), (486, 52803), (499, 52767), (502, 52755), (512, 52728), (516, 52719), (531, 52683), (553, 52626), (556, 52617), (557, 52614), (558, 52611), (664, 52356), (690, 52254), (696, 52221), (702, 52200), (729, 52107), (732, 52098), (747, 52035), (765, 51999), (766, 51996), (771, 51981), (796, 51903), (800, 51891), (806, 51870), (822, 51831), (857, 51741), (862, 51723), (864, 51717), (870, 51702), (879, 51678), (881, 51663), (882, 51660), (884, 51648), (892, 51624), (911, 51576), (922, 51552),

Gene: Rollins_40 Start: 27521, Stop: 29389, Start Num: 226

Candidate Starts for Rollins_40:

(Start: 226 @27521 has 7 MA's), (Start: 229 @27524 has 918 MA's), (232, 27527), (266, 27596), (409, 27878), (418, 27905), (437, 27959), (512, 28124), (543, 28199), (550, 28220), (683, 28574), (695, 28634), (707, 28685), (726, 28751), (735, 28787), (764, 28880), (821, 29051), (853, 29123), (877, 29204), (897, 29279), (898, 29282), (909, 29303), (937, 29372),

Gene: RomaT_58 Start: 54241, Stop: 52424, Start Num: 238

Candidate Starts for RomaT_58:

(124, 54424), (Start: 238 @54241 has 44 MA's), (253, 54211), (347, 54031), (408, 53878), (412, 53866), (422, 53836), (426, 53830), (445, 53767), (447, 53761), (486, 53710), (498, 53683), (499, 53674), (516, 53626), (557, 53521), (596, 53425), (627, 53374), (676, 53230), (684, 53191), (691, 53161), (696, 53134), (700, 53122), (727, 53026), (729, 53020), (732, 53011), (734, 52999), (759, 52927), (765, 52897), (771, 52879), (773, 52870), (796, 52801), (800, 52789), (806, 52768), (840, 52699), (849, 52684), (854, 52660), (857, 52639), (862, 52621), (864, 52615), (877, 52582), (879, 52576), (882, 52558), (884, 52546), (888, 52534), (892, 52522), (908, 52480), (922, 52450),

Gene: Romney_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Romney_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Rona_40 Start: 29912, Stop: 31783, Start Num: 229

Candidate Starts for Rona_40:

(Start: 229 @29912 has 918 MA's), (330, 30095), (349, 30134), (368, 30152), (397, 30224), (404, 30248), (408, 30260), (409, 30263), (437, 30344), (525, 30536), (543, 30584), (581, 30674), (648, 30815), (683, 30938), (695, 30998), (714, 31064), (716, 31079), (726, 31115), (729, 31124), (735, 31151), (764, 31244), (793, 31337), (821, 31415), (853, 31487), (861, 31526), (877, 31568), (891, 31622), (898, 31646), (909, 31667), (920, 31691),

Gene: Roosevelt_44 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Roosevelt_44:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Rosa24_44 Start: 31601, Stop: 29775, Start Num: 229

Candidate Starts for Rosa24_44:

(Start: 229 @31601 has 918 MA's), (250, 31580), (261, 31550), (273, 31520), (365, 31358), (376, 31340), (402, 31268), (404, 31259), (441, 31139), (448, 31115), (500, 31022), (517, 30974), (528, 30953), (543, 30914), (598, 30782), (611, 30761), (635, 30716), (640, 30704), (692, 30551), (695, 30530), (728, 30407), (735, 30377), (745, 30338), (765, 30272), (766, 30269), (771, 30254), (777, 30230), (786, 30206), (857, 29999), (898, 29864), (903, 29852), (909, 29843),

Gene: Rosalind_46 Start: 29862, Stop: 28072, Start Num: 229

Candidate Starts for Rosalind_46:

(Start: 229 @29862 has 918 MA's), (327, 29688), (382, 29583), (383, 29580), (394, 29553), (402, 29526), (418, 29475), (448, 29373), (500, 29280), (514, 29235), (516, 29232), (519, 29223), (588, 29061), (598, 29034), (611, 29013), (614, 29007), (669, 28908), (678, 28869), (690, 28818), (695, 28788), (707, 28737), (718, 28704), (726, 28671), (728, 28665), (735, 28635), (758, 28575), (765, 28554), (777, 28512), (787, 28485), (792, 28470), (823, 28383), (853, 28320), (854, 28317), (898, 28161), (903, 28149), (911, 28137),

Gene: Roscoe_61 Start: 54489, Stop: 52630, Start Num: 197

Candidate Starts for Roscoe_61:

(Start: 175 @54513 has 5 MA's), (Start: 197 @54489 has 267 MA's), (Start: 231 @54465 has 5 MA's), (Start: 243 @54459 has 2 MA's), (260, 54417), (267, 54396), (316, 54282), (319, 54276), (337, 54246), (371, 54186), (381, 54165), (399, 54111), (403, 54099), (409, 54081), (413, 54069), (445, 53964), (486, 53907), (499, 53871), (502, 53859), (512, 53832), (516, 53823), (531, 53787), (553, 53730), (556, 53721), (557, 53718), (558, 53715), (690, 53358), (696, 53325), (702, 53304), (729, 53211), (732, 53202), (747, 53139), (765, 53103), (766, 53100), (771, 53085), (796, 53007), (800, 52995), (806, 52974), (822, 52935), (857, 52845), (862, 52827), (864, 52821), (870, 52806), (879, 52782), (881, 52767), (882, 52764), (884, 52752), (892, 52728), (911, 52680), (922, 52656),

Gene: Rosebush_56 Start: 52637, Stop: 50808, Start Num: 189

Candidate Starts for Rosebush_56:

(Start: 189 @52637 has 57 MA's), (Start: 243 @52610 has 2 MA's), (254, 52580), (260, 52568), (271, 52541), (273, 52538), (278, 52529), (298, 52511), (343, 52415), (371, 52364), (382, 52340), (434, 52178), (442, 52154), (445, 52142), (486, 52085), (499, 52049), (502, 52037), (511, 52013), (544, 51935), (546, 51929), (549, 51920), (556, 51899), (557, 51896), (570, 51866), (633, 51722), (659, 51656), (676, 51605), (679, 51584), (684, 51566), (696, 51509), (715, 51452), (723, 51425), (729, 51395), (732, 51386), (747, 51320), (763, 51293), (765, 51284), (771, 51266), (777, 51242), (796, 51188), (800, 51176), (806, 51155), (840, 51086), (857, 51026), (862, 51008), (875, 50975), (879, 50963), (881, 50948), (882, 50945), (884, 50933), (892, 50909), (893, 50906), (911, 50858), (912, 50855), (922, 50834), (925, 50813),

Gene: Rowa_41 Start: 29682, Stop: 31553, Start Num: 229

Candidate Starts for Rowa_41:

(Start: 200 @29652 has 1 MA's), (208, 29661), (Start: 229 @29682 has 918 MA's), (394, 29994), (404, 30045), (433, 30141), (437, 30153), (497, 30264), (518, 30333), (519, 30336), (543, 30396), (548, 30411), (549, 30414), (588, 30501), (592, 30510), (611, 30549), (640, 30612), (642, 30615), (682, 30753), (683, 30756), (688, 30774), (690, 30786), (692, 30795), (695, 30816), (698, 30822), (705, 30864), (718, 30900), (719, 30903), (728, 30939), (729, 30942), (733, 30960), (735, 30969), (742, 30999), (750, 31023), (789, 31143), (793, 31155), (799, 31173), (802, 31185), (805, 31194), (821, 31233), (822, 31236), (825, 31242), (828, 31248), (852, 31296), (870, 31368), (880, 31404), (898, 31464), (934, 31548),

Gene: Rowdy_48 Start: 31200, Stop: 29365, Start Num: 229

Candidate Starts for Rowdy_48:

(Start: 229 @31200 has 918 MA's), (261, 31149), (298, 31083), (341, 30996), (354, 30972), (378, 30936), (382, 30924), (402, 30867), (404, 30858), (429, 30774), (441, 30738), (444, 30726), (448, 30714), (500, 30621), (517, 30573), (543, 30513), (596, 30384), (598, 30381), (611, 30360), (614, 30354), (668, 30246), (695, 30123), (705, 30075), (728, 30000), (735, 29970), (745, 29931), (765, 29862), (766, 29859), (777, 29820), (786, 29796), (788, 29790), (792, 29778), (831, 29670), (857, 29589), (864, 29565), (883, 29502), (898, 29454), (903, 29442), (909, 29433),

Gene: Roy17_59 Start: 53743, Stop: 51884, Start Num: 197

Candidate Starts for Roy17_59:

(Start: 175 @53767 has 5 MA's), (Start: 197 @53743 has 267 MA's), (Start: 231 @53719 has 5 MA's), (Start: 243 @53713 has 2 MA's), (260, 53671), (267, 53650), (316, 53536), (319, 53530), (337, 53500), (371, 53440), (381, 53419), (399, 53365), (403, 53353), (409, 53335), (413, 53323), (445, 53218), (486, 53161), (499, 53125), (502, 53113), (512, 53086), (524, 53059), (531, 53041), (539, 53023), (553, 52984), (556, 52975), (557, 52972), (558, 52969), (690, 52612), (696, 52579), (702, 52558), (729, 52465), (732, 52456), (747, 52393), (765, 52357), (766, 52354), (771, 52339), (796, 52261), (800, 52249), (806, 52228), (822, 52189), (857, 52099), (862, 52081), (864, 52075), (870, 52060), (879, 52036), (881, 52021), (882, 52018), (884, 52006), (892, 51982), (911, 51934), (922, 51910),

Gene: Rubeus_45 Start: 33074, Stop: 31248, Start Num: 229

Candidate Starts for Rubeus_45:

(Start: 229 @33074 has 918 MA's), (347, 32861), (382, 32798), (394, 32768), (400, 32747), (402, 32741), (404, 32732), (440, 32615), (448, 32588), (500, 32495), (504, 32480), (539, 32396), (540, 32393), (566, 32327), (580, 32297), (592, 32267), (614, 32222), (635, 32183), (695, 32003), (705, 31955), (719, 31916), (735, 31850), (745, 31811), (758, 31790), (765, 31769), (771, 31751), (792, 31685), (853, 31535), (854, 31532), (861, 31496), (870, 31472), (874, 31463), (878, 31451), (898, 31376), (909, 31355),

Gene: Rufus_45 Start: 34607, Stop: 32778, Start Num: 229

Candidate Starts for Rufus_45:

(Start: 229 @34607 has 918 MA's), (347, 34394), (382, 34331), (394, 34301), (400, 34280), (402, 34274), (404, 34265), (440, 34148), (448, 34121), (500, 34028), (504, 34013), (539, 33929), (540, 33926), (566, 33860), (580, 33830), (592, 33800), (614, 33755), (635, 33716), (695, 33536), (705, 33488), (723, 33440), (732, 33401), (735, 33383), (745, 33344), (758, 33323), (765, 33302), (808, 33164), (875, 32993), (880, 32969), (890, 32936), (895, 32921), (898, 32909), (909, 32888), (912, 32882), (928, 32834), (935, 32819),

Gene: Ruin_45 Start: 31563, Stop: 29737, Start Num: 229

Candidate Starts for Ruin_45:

(Start: 229 @31563 has 918 MA's), (250, 31542), (261, 31512), (273, 31482), (365, 31320), (376, 31302), (402, 31230), (404, 31221), (441, 31101), (448, 31077), (500, 30984), (517, 30936), (528, 30915), (543, 30876), (598, 30744), (611, 30723), (635, 30678), (640, 30666), (692, 30513), (695, 30492), (728, 30369), (735, 30339), (745, 30300), (765, 30234), (766, 30231), (771, 30216), (777, 30192), (786, 30168), (857, 29961), (898, 29826), (903, 29814), (909, 29805),

Gene: Rummer_47 Start: 31884, Stop: 30070, Start Num: 229

Candidate Starts for Rummer_47:

(Start: 229 @31884 has 918 MA's), (255, 31845), (261, 31833), (341, 31680), (349, 31665), (382, 31608), (402, 31551), (404, 31542), (418, 31500), (432, 31449), (448, 31398), (487, 31344), (500, 31305), (516, 31257), (528, 31233), (543, 31194), (553, 31167), (566, 31137), (607, 31044), (614, 31032), (639, 30984), (649, 30969), (695, 30813), (707, 30762), (718, 30729), (719, 30726), (735, 30660), (745, 30621), (766, 30549), (777, 30510), (786, 30486), (792, 30468), (802, 30435), (840, 30354), (857, 30294), (883, 30207), (898, 30159), (903, 30147), (909, 30138), (911, 30135),

Gene: Ruotula_48 Start: 36337, Stop: 34550, Start Num: 229

Candidate Starts for Ruotula_48:

(Start: 229 @36337 has 918 MA's), (347, 36124), (354, 36109), (382, 36061), (394, 36031), (400, 36010), (402, 36004), (404, 35995), (440, 35878), (448, 35851), (500, 35758), (504, 35743), (516, 35710), (539, 35659), (540, 35656), (566, 35590), (580, 35560), (592, 35530), (614, 35485), (635, 35446), (695, 35266), (705, 35218), (719, 35179), (735, 35113), (763, 35041), (765, 35032), (792, 34948), (823, 34861), (870, 34735), (875, 34723), (891, 34663), (898, 34639), (901, 34633),

Gene: Rutherferd_47 Start: 35726, Stop: 33900, Start Num: 229

Candidate Starts for Rutherferd_47:

(Start: 229 @35726 has 918 MA's), (361, 35492), (382, 35450), (394, 35420), (400, 35399), (402, 35393), (404, 35384), (440, 35267), (448, 35240), (500, 35147), (504, 35132), (516, 35099), (539, 35048), (540, 35045), (566, 34979), (580, 34949), (592, 34919), (614, 34874), (635, 34835), (695, 34655), (705, 34607), (719, 34568), (735, 34502), (745, 34463), (758, 34442), (765, 34421), (771, 34403), (792, 34337), (853, 34187), (854, 34184), (861, 34148), (870, 34124), (878, 34103), (898, 34028), (909, 34007),

Gene: RyeScarlet_46 Start: 31507, Stop: 29714, Start Num: 229

Candidate Starts for RyeScarlet_46:

(Start: 229 @31507 has 918 MA's), (Start: 244 @31498 has 1 MA's), (261, 31456), (325, 31336), (327, 31333), (350, 31285), (383, 31225), (395, 31195), (398, 31183), (402, 31171), (448, 31018), (500, 30925), (553, 30787), (566, 30757), (640, 30598), (649, 30586), (666, 30559), (692, 30451), (695, 30430), (732, 30295), (735, 30277), (765, 30196), (777, 30154), (802, 30079), (837, 30004), (853, 29962), (881, 29860), (898, 29803), (903, 29791), (909, 29782),

Gene: SDcharge11_60 Start: 53557, Stop: 51698, Start Num: 197

Candidate Starts for SDcharge11_60:

(Start: 175 @53581 has 5 MA's), (Start: 197 @53557 has 267 MA's), (Start: 231 @53533 has 5 MA's), (Start: 243 @53527 has 2 MA's), (253, 53500), (260, 53485), (267, 53464), (316, 53350), (319, 53344), (337, 53314), (371, 53254), (381, 53233), (399, 53179), (403, 53167), (409, 53149), (413, 53137), (445, 53032), (486, 52975), (499, 52939), (502, 52927), (512, 52900), (516, 52891), (531, 52855), (553, 52798), (556, 52789), (557, 52786), (558, 52783), (690, 52426), (696, 52393), (702, 52372), (729, 52279), (732, 52270), (747, 52207), (765, 52171), (766, 52168), (771, 52153), (796, 52075), (800, 52063), (806, 52042), (822, 52003), (857, 51913), (862, 51895), (864, 51889), (870, 51874), (879, 51850), (881, 51835), (882, 51832), (884, 51820), (892, 51796), (911, 51748), (922, 51724),

Gene: SJReid_106 Start: 70795, Stop: 72594, Start Num: 246

Candidate Starts for SJReid_106:

(212, 70753), (246, 70795), (271, 70858), (290, 70888), (296, 70891), (368, 71026), (403, 71107), (412, 71134), (415, 71140), (451, 71245), (498, 71302), (532, 71392), (543, 71419), (548, 71434), (664, 71680), (675, 71719), (682, 71752), (692, 71791), (695, 71812), (698, 71818), (718, 71902), (725, 71929), (726, 71935), (744, 72019), (750, 72037), (764, 72085), (767, 72097), (777, 72133), (789, 72166), (806, 72220), (858, 72370), (862, 72385), (875, 72418), (877, 72424), (880, 72442), (885, 72466), (897, 72499), (898, 72502),

Gene: SJay_39 Start: 28931, Stop: 27066, Start Num: 270

Candidate Starts for SJay_39:

(Start: 216 @29018 has 3 MA's), (Start: 270 @28931 has 147 MA's), (Start: 276 @28922 has 5 MA's), (333, 28817), (336, 28808), (353, 28778), (355, 28775), (408, 28655), (412, 28643), (415, 28637), (449, 28532), (456, 28505), (493, 28364), (497, 28358), (498, 28355), (500, 28343), (508, 28316), (509, 28313), (514, 28298), (516, 28292), (518, 28286), (531, 28253), (602, 28124), (629, 28064), (728, 27749), (731, 27740), (732, 27737), (735, 27719), (746, 27677), (748, 27671), (756, 27647), (773, 27590), (820, 27431), (834, 27401), (836, 27392), (854, 27332), (858, 27308), (870, 27269), (879, 27236), (880, 27224), (896, 27164),

Gene: STLscum_46 Start: 35717, Stop: 33930, Start Num: 229

Candidate Starts for STLscum_46:

(Start: 229 @35717 has 918 MA's), (347, 35504), (382, 35441), (394, 35411), (400, 35390), (402, 35384), (404, 35375), (440, 35258), (448, 35231), (500, 35138), (504, 35123), (539, 35039), (540, 35036), (566, 34970), (580, 34940), (592, 34910), (614, 34865), (635, 34826), (695, 34646), (705,

34598), (719, 34559), (735, 34493), (763, 34421), (765, 34412), (792, 34328), (823, 34241), (870, 34115), (875, 34103), (891, 34043), (898, 34019), (901, 34013),

Gene: Sabella_56 Start: 52482, Stop: 50653, Start Num: 189

Candidate Starts for Sabella_56:

(Start: 189 @52482 has 57 MA's), (Start: 243 @52455 has 2 MA's), (254, 52425), (260, 52413), (271, 52386), (273, 52383), (278, 52374), (298, 52356), (343, 52260), (371, 52209), (382, 52185), (434, 52023), (439, 52008), (442, 51999), (445, 51987), (486, 51930), (499, 51894), (502, 51882), (511, 51858), (546, 51774), (556, 51744), (557, 51741), (570, 51711), (633, 51567), (659, 51501), (676, 51450), (679, 51429), (684, 51411), (696, 51354), (723, 51270), (729, 51240), (732, 51231), (747, 51165), (763, 51138), (765, 51129), (771, 51111), (777, 51087), (796, 51033), (800, 51021), (806, 51000), (840, 50931), (857, 50871), (862, 50853), (875, 50820), (879, 50808), (881, 50793), (882, 50790), (884, 50778), (892, 50754), (893, 50751), (911, 50703), (912, 50700), (922, 50679), (925, 50658),

Gene: Sabertooth_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Sabertooth_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Sabia_48 Start: 31846, Stop: 30032, Start Num: 229

Candidate Starts for Sabia_48:

(Start: 229 @31846 has 918 MA's), (255, 31807), (261, 31795), (341, 31642), (349, 31627), (382, 31570), (402, 31513), (404, 31504), (418, 31462), (432, 31411), (448, 31360), (500, 31267), (516, 31219), (519, 31210), (528, 31195), (543, 31156), (553, 31129), (566, 31099), (607, 31006), (639, 30946), (649, 30931), (695, 30775), (719, 30688), (735, 30622), (745, 30583), (766, 30511), (777, 30472), (786, 30448), (792, 30430), (802, 30397), (811, 30370), (840, 30316), (857, 30256), (881, 30178), (898, 30121), (903, 30109), (909, 30100),

Gene: Sabinator_47 Start: 31851, Stop: 30037, Start Num: 229

Candidate Starts for Sabinator_47:

(Start: 229 @31851 has 918 MA's), (255, 31812), (261, 31800), (341, 31647), (349, 31632), (382, 31575), (402, 31518), (404, 31509), (418, 31467), (432, 31416), (448, 31365), (500, 31272), (516, 31224), (519, 31215), (528, 31200), (543, 31161), (553, 31134), (566, 31104), (607, 31011), (649, 30936), (695, 30780), (719, 30693), (735, 30627), (745, 30588), (766, 30516), (777, 30477), (786, 30453), (792, 30435), (802, 30402), (811, 30375), (840, 30321), (857, 30261), (881, 30183), (898, 30126), (903, 30114), (909, 30105),

Gene: Sachima_42 Start: 31423, Stop: 29630, Start Num: 229

Candidate Starts for Sachima_42:

(Start: 229 @31423 has 918 MA's), (Start: 244 @31414 has 1 MA's), (261, 31372), (325, 31252), (327, 31249), (350, 31201), (383, 31141), (395, 31111), (398, 31099), (402, 31087), (448, 30934), (500, 30841), (553, 30703), (566, 30673), (640, 30514), (649, 30502), (666, 30475), (692, 30367), (695, 30346), (732, 30211), (735, 30193), (765, 30112), (777, 30070), (802, 29995), (808, 29974), (837, 29920), (853, 29878), (881, 29776), (898, 29719), (903, 29707), (909, 29698),

Gene: Sagefire_48 Start: 36086, Stop: 34299, Start Num: 229

Candidate Starts for Sagefire_48:

(Start: 229 @36086 has 918 MA's), (347, 35873), (394, 35780), (400, 35759), (402, 35753), (404, 35744), (440, 35627), (448, 35600), (500, 35507), (504, 35492), (516, 35459), (539, 35408), (540,

35405), (566, 35339), (580, 35309), (592, 35279), (614, 35234), (635, 35195), (695, 35015), (705, 34967), (719, 34928), (735, 34862), (763, 34790), (765, 34781), (792, 34697), (823, 34610), (870, 34484), (875, 34472), (898, 34388), (901, 34382),

Gene: Saguaro_58 Start: 54786, Stop: 52945, Start Num: 200

Candidate Starts for Saguaro_58:

(Start: 200 @54786 has 1 MA's), (253, 54732), (267, 54696), (328, 54576), (358, 54522), (412, 54387), (413, 54384), (420, 54366), (445, 54279), (486, 54222), (499, 54186), (502, 54174), (511, 54150), (556, 54030), (557, 54027), (565, 54009), (570, 53997), (627, 53880), (666, 53769), (676, 53736), (677, 53733), (679, 53715), (691, 53667), (696, 53640), (711, 53589), (727, 53532), (729, 53526), (732, 53517), (742, 53469), (747, 53454), (765, 53418), (766, 53415), (771, 53400), (796, 53322), (800, 53310), (806, 53289), (812, 53271), (821, 53253), (840, 53220), (857, 53160), (862, 53142), (864, 53136), (879, 53097), (880, 53085), (881, 53082), (882, 53079), (884, 53067), (888, 53055), (892, 53043), (908, 53001), (911, 52995), (922, 52971), (925, 52950),

Gene: Saintus_38 Start: 27584, Stop: 25740, Start Num: 229

Candidate Starts for Saintus_38:

(Start: 229 @27584 has 918 MA's), (261, 27533), (327, 27410), (341, 27380), (365, 27341), (382, 27308), (394, 27278), (400, 27257), (402, 27251), (404, 27242), (418, 27200), (432, 27149), (447, 27101), (448, 27098), (500, 27002), (503, 26990), (508, 26975), (514, 26957), (519, 26945), (543, 26891), (553, 26864), (576, 26816), (598, 26759), (605, 26747), (614, 26732), (640, 26681), (650, 26666), (692, 26519), (695, 26498), (704, 26468), (705, 26450), (707, 26447), (714, 26432), (719, 26411), (723, 26402), (728, 26375), (732, 26363), (735, 26345), (765, 26264), (769, 26252), (786, 26198), (798, 26162), (808, 26126), (823, 26093), (837, 26072), (840, 26066), (854, 26027), (857, 26006), (862, 25988), (898, 25871), (903, 25859),

Gene: Salz_44 Start: 30686, Stop: 28899, Start Num: 229

Candidate Starts for Salz_44:

(Start: 229 @30686 has 918 MA's), (341, 30482), (382, 30410), (394, 30380), (402, 30353), (501, 30101), (519, 30050), (553, 29969), (575, 29924), (611, 29840), (640, 29783), (667, 29741), (678, 29696), (695, 29615), (707, 29564), (719, 29528), (735, 29462), (758, 29402), (763, 29390), (795, 29288), (802, 29264), (807, 29246), (840, 29183), (852, 29156), (853, 29147), (857, 29123), (898, 28988), (903, 28976), (909, 28967),

Gene: Samaymay_60 Start: 54350, Stop: 52491, Start Num: 197

Candidate Starts for Samaymay_60:

(Start: 175 @54374 has 5 MA's), (Start: 197 @54350 has 267 MA's), (Start: 231 @54326 has 5 MA's), (Start: 243 @54320 has 2 MA's), (260, 54278), (267, 54257), (316, 54143), (319, 54137), (337, 54107), (371, 54047), (381, 54026), (399, 53972), (403, 53960), (409, 53942), (413, 53930), (445, 53825), (486, 53768), (499, 53732), (502, 53720), (512, 53693), (531, 53648), (553, 53591), (556, 53582), (557, 53579), (690, 53219), (696, 53186), (702, 53165), (729, 53072), (732, 53063), (747, 53000), (765, 52964), (766, 52961), (771, 52946), (796, 52868), (800, 52856), (806, 52835), (822, 52796), (857, 52706), (862, 52688), (864, 52682), (870, 52667), (879, 52643), (881, 52628), (882, 52625), (884, 52613), (892, 52589), (911, 52541), (922, 52517),

Gene: Samora_36 Start: 27510, Stop: 29363, Start Num: 229

Candidate Starts for Samora_36:

(Start: 229 @27510 has 918 MA's), (253, 27543), (273, 27591), (298, 27624), (361, 27741), (394, 27813), (395, 27816), (400, 27834), (404, 27849), (454, 28011), (522, 28146), (527, 28158), (539, 28188), (543, 28200), (549, 28218), (565, 28254), (605, 28344), (611, 28353), (640, 28410), (642, 28413), (646, 28422), (690, 28581), (695, 28611), (704, 28644), (705, 28662), (719, 28704), (726, 28734), (728, 28740), (729, 28743), (732, 28752), (735, 28770), (744, 28815), (763, 28869), (822, 29046), (825, 29052), (828, 29058), (852, 29106), (861, 29154), (864, 29163), (875, 29190), (877,

29196), (881, 29217), (898, 29274), (901, 29280), (909, 29295),

Gene: Samy_65 Start: 41466, Stop: 43436, Start Num: 229

Candidate Starts for Samy_65:

(Start: 229 @41466 has 918 MA's), (248, 41484), (298, 41583), (327, 41643), (330, 41649), (382, 41745), (400, 41799), (412, 41838), (450, 41964), (503, 42060), (543, 42165), (588, 42270), (611, 42318), (619, 42336), (692, 42576), (695, 42597), (698, 42603), (733, 42741), (735, 42750), (770, 42864), (786, 42915), (802, 42966), (821, 43014), (822, 43017), (828, 43029), (851, 43074), (858, 43113), (864, 43134), (898, 43245), (909, 43266), (928, 43320), (958, 43407),

Gene: SanaSana_45 Start: 31138, Stop: 33012, Start Num: 229

Candidate Starts for SanaSana_45:

(Start: 229 @31138 has 918 MA's), (266, 31207), (280, 31228), (404, 31474), (409, 31489), (418, 31516), (543, 31810), (648, 32044), (682, 32164), (683, 32167), (695, 32227), (698, 32233), (707, 32278), (714, 32293), (716, 32308), (726, 32344), (735, 32380), (764, 32473), (793, 32566), (821, 32644), (822, 32647), (853, 32716), (857, 32740), (861, 32755), (877, 32797), (880, 32815), (898, 32875), (909, 32896),

Gene: Sandaddy_44 Start: 34872, Stop: 33046, Start Num: 229

Candidate Starts for Sandaddy_44:

(Start: 229 @34872 has 918 MA's), (347, 34659), (354, 34644), (394, 34566), (400, 34545), (402, 34539), (404, 34530), (440, 34413), (448, 34386), (500, 34293), (504, 34278), (516, 34245), (539, 34194), (540, 34191), (566, 34125), (580, 34095), (592, 34065), (614, 34020), (635, 33981), (695, 33801), (705, 33753), (719, 33714), (735, 33648), (765, 33567), (766, 33564), (792, 33483), (853, 33333), (854, 33330), (861, 33294), (870, 33270), (874, 33261), (878, 33249), (898, 33174), (909, 33153),

Gene: SansAfet_43 Start: 29492, Stop: 31366, Start Num: 229

Candidate Starts for SansAfet_43:

(Start: 229 @29492 has 918 MA's), (266, 29561), (280, 29582), (404, 29828), (409, 29843), (418, 29870), (543, 30164), (598, 30299), (648, 30398), (683, 30521), (695, 30581), (698, 30587), (707, 30632), (714, 30647), (716, 30662), (726, 30698), (735, 30734), (764, 30827), (793, 30920), (821, 30998), (853, 31070), (861, 31109), (877, 31151), (880, 31169), (891, 31205), (898, 31229), (909, 31250),

Gene: Sansa_37 Start: 28809, Stop: 26944, Start Num: 270

Candidate Starts for Sansa_37:

(Start: 270 @28809 has 147 MA's), (296, 28764), (321, 28710), (357, 28650), (384, 28599), (405, 28542), (412, 28521), (415, 28515), (429, 28470), (430, 28467), (431, 28464), (443, 28425), (463, 28365), (493, 28242), (498, 28233), (500, 28221), (503, 28209), (509, 28191), (516, 28170), (521, 28158), (530, 28134), (601, 28008), (610, 27987), (676, 27819), (723, 27654), (731, 27618), (735, 27597), (746, 27555), (773, 27468), (783, 27423), (816, 27324), (834, 27279), (836, 27270), (854, 27210), (858, 27186), (869, 27153), (896, 27042),

Gene: Sanya_43 Start: 35162, Stop: 33336, Start Num: 229

Candidate Starts for Sanya_43:

(Start: 229 @35162 has 918 MA's), (347, 34949), (382, 34886), (394, 34856), (400, 34835), (402, 34829), (404, 34820), (440, 34703), (448, 34676), (500, 34583), (504, 34568), (539, 34484), (540, 34481), (566, 34415), (580, 34385), (592, 34355), (614, 34310), (635, 34271), (695, 34091), (705, 34043), (719, 34004), (735, 33938), (745, 33899), (758, 33878), (765, 33857), (771, 33839), (792, 33773), (853, 33623), (854, 33620), (861, 33584), (874, 33551), (878, 33539), (883, 33512), (898, 33464), (909, 33443),

Gene: SarBear_42 Start: 29278, Stop: 31152, Start Num: 229

Candidate Starts for SarBear_42:

(Start: 226 @29275 has 7 MA's), (Start: 229 @29278 has 918 MA's), (266, 29347), (280, 29368), (341, 29485), (382, 29548), (404, 29614), (418, 29656), (543, 29950), (598, 30085), (648, 30184), (683, 30307), (695, 30367), (698, 30373), (707, 30418), (714, 30433), (716, 30448), (726, 30484), (735, 30520), (764, 30613), (793, 30706), (821, 30784), (853, 30856), (861, 30895), (877, 30937), (880, 30955), (898, 31015), (909, 31036),

Gene: SarFire_43 Start: 34438, Stop: 32612, Start Num: 229

Candidate Starts for SarFire_43:

(Start: 229 @34438 has 918 MA's), (347, 34225), (354, 34210), (394, 34132), (400, 34111), (402, 34105), (404, 34096), (440, 33979), (448, 33952), (500, 33859), (504, 33844), (539, 33760), (540, 33757), (566, 33691), (580, 33661), (592, 33631), (614, 33586), (635, 33547), (695, 33367), (705, 33319), (719, 33280), (735, 33214), (745, 33175), (758, 33154), (765, 33133), (771, 33115), (792, 33049), (853, 32899), (854, 32896), (861, 32860), (874, 32827), (878, 32815), (890, 32767), (898, 32740), (909, 32719),

Gene: Saratos_38 Start: 28717, Stop: 26852, Start Num: 270

Candidate Starts for Saratos_38:

(Start: 270 @28717 has 147 MA's), (296, 28672), (321, 28618), (357, 28558), (384, 28507), (412, 28429), (415, 28423), (429, 28378), (430, 28375), (431, 28372), (443, 28333), (463, 28273), (493, 28150), (498, 28141), (500, 28129), (503, 28117), (509, 28099), (516, 28078), (521, 28066), (530, 28042), (610, 27895), (676, 27727), (723, 27562), (731, 27526), (735, 27505), (746, 27463), (773, 27376), (783, 27331), (816, 27232), (834, 27187), (836, 27178), (854, 27118), (858, 27094), (869, 27061), (896, 26950),

Gene: SassyCat97_59 Start: 54035, Stop: 52176, Start Num: 197

Candidate Starts for SassyCat97_59:

(Start: 175 @54059 has 5 MA's), (Start: 197 @54035 has 267 MA's), (Start: 231 @54011 has 5 MA's), (Start: 243 @54005 has 2 MA's), (260, 53963), (267, 53942), (316, 53828), (319, 53822), (337, 53792), (371, 53732), (381, 53711), (399, 53657), (403, 53645), (409, 53627), (413, 53615), (445, 53510), (486, 53453), (499, 53417), (502, 53405), (512, 53378), (524, 53351), (531, 53333), (539, 53315), (553, 53276), (556, 53267), (557, 53264), (664, 53006), (690, 52904), (696, 52871), (702, 52850), (729, 52757), (732, 52748), (747, 52685), (765, 52649), (766, 52646), (771, 52631), (796, 52553), (800, 52541), (806, 52520), (822, 52481), (857, 52391), (862, 52373), (864, 52367), (870, 52352), (879, 52328), (881, 52313), (882, 52310), (884, 52298), (892, 52274), (911, 52226), (922, 52202),

Gene: SaturnRing_46 Start: 31555, Stop: 29717, Start Num: 229

Candidate Starts for SaturnRing_46:

(Start: 229 @31555 has 918 MA's), (261, 31504), (298, 31438), (341, 31351), (378, 31291), (382, 31279), (402, 31222), (404, 31213), (441, 31093), (448, 31069), (500, 30973), (517, 30925), (543, 30865), (569, 30802), (598, 30733), (611, 30712), (650, 30640), (668, 30598), (678, 30556), (695, 30475), (705, 30427), (728, 30352), (735, 30322), (742, 30292), (766, 30211), (777, 30172), (786, 30148), (792, 30130), (840, 30001), (857, 29941), (898, 29806), (903, 29794), (909, 29785),

Gene: Scamp_45 Start: 31572, Stop: 29746, Start Num: 229

Candidate Starts for Scamp_45:

(Start: 229 @31572 has 918 MA's), (250, 31551), (261, 31521), (273, 31491), (365, 31329), (376, 31311), (402, 31239), (404, 31230), (441, 31110), (448, 31086), (500, 30993), (517, 30945), (528, 30924), (543, 30885), (598, 30753), (611, 30732), (635, 30687), (640, 30675), (692, 30522), (695, 30501), (728, 30378), (735, 30348), (745, 30309), (765, 30243), (766, 30240), (771, 30225), (777, 30201), (786, 30177), (857, 29970), (898, 29835), (903, 29823), (909, 29814),

Gene: Schadenfreude_60 Start: 53915, Stop: 52056, Start Num: 197

Candidate Starts for Schadenfreude_60:

(Start: 175 @53939 has 5 MA's), (Start: 197 @53915 has 267 MA's), (Start: 231 @53891 has 5 MA's), (Start: 243 @53885 has 2 MA's), (260, 53843), (267, 53822), (316, 53708), (319, 53702), (337, 53672), (371, 53612), (381, 53591), (399, 53537), (403, 53525), (409, 53507), (413, 53495), (445, 53390), (486, 53333), (499, 53297), (502, 53285), (511, 53261), (516, 53249), (524, 53231), (531, 53213), (539, 53195), (553, 53156), (556, 53147), (557, 53144), (558, 53141), (690, 52784), (696, 52751), (702, 52730), (729, 52637), (732, 52628), (747, 52565), (765, 52529), (766, 52526), (771, 52511), (796, 52433), (800, 52421), (806, 52400), (822, 52361), (857, 52271), (862, 52253), (864, 52247), (870, 52232), (879, 52208), (881, 52193), (882, 52190), (884, 52178), (892, 52154), (911, 52106), (922, 52082),

Gene: Scherzo_45 Start: 31727, Stop: 29934, Start Num: 229

Candidate Starts for Scherzo_45:

(Start: 229 @31727 has 918 MA's), (Start: 244 @31718 has 1 MA's), (261, 31676), (325, 31556), (327, 31553), (350, 31505), (383, 31445), (395, 31415), (398, 31403), (402, 31391), (448, 31238), (500, 31145), (553, 31007), (566, 30977), (640, 30818), (649, 30806), (666, 30779), (692, 30671), (695, 30650), (732, 30515), (735, 30497), (765, 30416), (777, 30374), (802, 30299), (808, 30278), (837, 30224), (853, 30182), (881, 30080), (898, 30023), (903, 30011), (909, 30002),

Gene: Schimmels22_37 Start: 27687, Stop: 25789, Start Num: 268

Candidate Starts for Schimmels22_37:

(5, 28425), (6, 28419), (57, 28164), (249, 27738), (Start: 268 @27687 has 18 MA's), (302, 27624), (333, 27573), (353, 27534), (384, 27477), (405, 27420), (408, 27411), (412, 27399), (415, 27393), (431, 27342), (443, 27303), (465, 27240), (474, 27195), (493, 27120), (498, 27111), (500, 27099), (509, 27069), (516, 27048), (521, 27036), (530, 27012), (612, 26862), (694, 26601), (723, 26499), (726, 26478), (735, 26442), (744, 26406), (746, 26400), (773, 26313), (781, 26286), (820, 26154), (836, 26115), (844, 26094), (854, 26055), (858, 26031), (860, 26025), (869, 25998), (896, 25887),

Gene: Schnapsidee_38 Start: 29060, Stop: 27195, Start Num: 270

Candidate Starts for Schnapsidee_38:

(Start: 270 @29060 has 147 MA's), (Start: 276 @29051 has 5 MA's), (407, 28787), (412, 28772), (415, 28766), (456, 28634), (471, 28580), (493, 28493), (498, 28484), (500, 28472), (508, 28445), (509, 28442), (514, 28427), (516, 28421), (670, 28091), (728, 27878), (731, 27869), (732, 27866), (735, 27848), (746, 27806), (751, 27791), (773, 27719), (781, 27692), (820, 27560), (834, 27530), (854, 27461), (858, 27437), (860, 27431), (870, 27398), (879, 27365), (880, 27353),

Gene: Schubert_36 Start: 28339, Stop: 26486, Start Num: 268

Candidate Starts for Schubert_36:

(233, 28408), (Start: 268 @28339 has 18 MA's), (353, 28186), (355, 28183), (386, 28126), (412, 28051), (415, 28045), (429, 28000), (443, 27955), (454, 27925), (479, 27838), (498, 27775), (500, 27763), (509, 27733), (516, 27712), (521, 27700), (670, 27382), (726, 27175), (728, 27169), (732, 27157), (735, 27139), (746, 27097), (751, 27082), (773, 27010), (783, 26965), (854, 26752), (858, 26728), (861, 26716), (864, 26707), (869, 26695), (888, 26608), (896, 26584), (897, 26578),

Gene: Schueller_62 Start: 54272, Stop: 52413, Start Num: 197

Candidate Starts for Schueller_62:

(Start: 175 @54296 has 5 MA's), (Start: 197 @54272 has 267 MA's), (Start: 231 @54248 has 5 MA's), (Start: 243 @54242 has 2 MA's), (260, 54200), (267, 54179), (316, 54065), (319, 54059), (337, 54029), (371, 53969), (381, 53948), (399, 53894), (403, 53882), (409, 53864), (413, 53852), (445, 53747), (486, 53690), (499, 53654), (502, 53642), (511, 53618), (516, 53606), (524, 53588), (531, 53570), (539, 53552), (553, 53513), (556, 53504), (557, 53501), (558, 53498), (664, 53243), (690,

53141), (696, 53108), (702, 53087), (729, 52994), (732, 52985), (747, 52922), (765, 52886), (766, 52883), (771, 52868), (796, 52790), (800, 52778), (806, 52757), (822, 52718), (857, 52628), (862, 52610), (864, 52604), (870, 52589), (879, 52565), (881, 52550), (882, 52547), (884, 52535), (892, 52511), (898, 52490), (911, 52463), (922, 52439), (924, 52424),

Gene: Scoot17C_61 Start: 53977, Stop: 52118, Start Num: 197

Candidate Starts for Scoot17C_61:

(Start: 175 @54001 has 5 MA's), (Start: 197 @53977 has 267 MA's), (Start: 231 @53953 has 5 MA's), (Start: 243 @53947 has 2 MA's), (260, 53905), (267, 53884), (316, 53770), (319, 53764), (337, 53734), (371, 53674), (381, 53653), (399, 53599), (403, 53587), (409, 53569), (413, 53557), (445, 53452), (486, 53395), (499, 53359), (502, 53347), (512, 53320), (524, 53293), (531, 53275), (539, 53257), (553, 53218), (556, 53209), (557, 53206), (664, 52948), (690, 52846), (696, 52813), (702, 52792), (729, 52699), (732, 52690), (747, 52627), (765, 52591), (766, 52588), (771, 52573), (796, 52495), (800, 52483), (806, 52462), (822, 52423), (857, 52333), (862, 52315), (864, 52309), (870, 52294), (879, 52270), (881, 52255), (882, 52252), (884, 52240), (892, 52216), (911, 52168), (922, 52144),

Gene: Scorpia_40 Start: 30133, Stop: 28268, Start Num: 229

Candidate Starts for Scorpia_40:

(Start: 195 @30166 has 2 MA's), (Start: 229 @30133 has 918 MA's), (296, 30022), (343, 29926), (382, 29857), (383, 29854), (394, 29827), (402, 29800), (404, 29791), (429, 29707), (432, 29698), (437, 29683), (448, 29647), (489, 29587), (500, 29551), (516, 29503), (527, 29482), (528, 29479), (550, 29419), (586, 29341), (607, 29293), (614, 29281), (639, 29233), (664, 29182), (695, 29047), (705, 28999), (714, 28981), (719, 28960), (723, 28951), (729, 28921), (735, 28894), (736, 28891), (765, 28813), (771, 28795), (786, 28747), (802, 28696), (823, 28642), (828, 28633), (840, 28615), (862, 28537), (898, 28420), (903, 28408), (947, 28303),

Gene: Scout_45 Start: 30682, Stop: 28844, Start Num: 229

Candidate Starts for Scout_45:

(173, 30754), (Start: 229 @30682 has 918 MA's), (261, 30631), (341, 30478), (378, 30418), (382, 30406), (402, 30349), (404, 30340), (408, 30328), (441, 30220), (448, 30196), (500, 30100), (517, 30052), (543, 29992), (569, 29929), (598, 29860), (611, 29839), (649, 29770), (652, 29764), (668, 29725), (695, 29602), (719, 29515), (728, 29479), (735, 29449), (742, 29419), (766, 29338), (777, 29299), (786, 29275), (792, 29257), (840, 29128), (857, 29068), (898, 28933), (903, 28921), (909, 28912),

Gene: Scowl_45 Start: 35221, Stop: 33395, Start Num: 229

Candidate Starts for Scowl_45:

(Start: 229 @35221 has 918 MA's), (347, 35008), (354, 34993), (382, 34945), (394, 34915), (400, 34894), (402, 34888), (404, 34879), (440, 34762), (448, 34735), (500, 34642), (504, 34627), (539, 34543), (540, 34540), (566, 34474), (580, 34444), (592, 34414), (614, 34369), (635, 34330), (695, 34150), (705, 34102), (719, 34063), (735, 33997), (745, 33958), (758, 33937), (765, 33916), (771, 33898), (792, 33832), (853, 33682), (854, 33679), (861, 33643), (870, 33619), (874, 33610), (878, 33598), (883, 33571), (898, 33523), (909, 33502),

Gene: Scrick_61 Start: 54049, Stop: 52190, Start Num: 197

Candidate Starts for Scrick_61:

(Start: 175 @54073 has 5 MA's), (Start: 197 @54049 has 267 MA's), (Start: 231 @54025 has 5 MA's), (Start: 243 @54019 has 2 MA's), (260, 53977), (267, 53956), (316, 53842), (319, 53836), (337, 53806), (371, 53746), (381, 53725), (399, 53671), (403, 53659), (409, 53641), (413, 53629), (445, 53524), (486, 53467), (499, 53431), (502, 53419), (511, 53395), (516, 53383), (524, 53365), (531, 53347), (539, 53329), (553, 53290), (556, 53281), (557, 53278), (558, 53275), (690, 52918), (696, 52885), (702, 52864), (729, 52771), (732, 52762), (747, 52699), (765, 52663), (766, 52660), (771,

52645), (796, 52567), (800, 52555), (806, 52534), (822, 52495), (857, 52405), (862, 52387), (864, 52381), (870, 52366), (879, 52342), (881, 52327), (882, 52324), (884, 52312), (892, 52288), (911, 52240), (922, 52216),

Gene: Seabiscuit_46 Start: 34373, Stop: 32547, Start Num: 229

Candidate Starts for Seabiscuit_46:

(Start: 229 @34373 has 918 MA's), (347, 34160), (382, 34097), (394, 34067), (400, 34046), (402, 34040), (404, 34031), (440, 33914), (448, 33887), (500, 33794), (504, 33779), (516, 33746), (539, 33695), (540, 33692), (566, 33626), (592, 33566), (614, 33521), (635, 33482), (695, 33302), (705, 33254), (719, 33215), (735, 33149), (745, 33110), (758, 33089), (765, 33068), (771, 33050), (792, 32984), (853, 32834), (854, 32831), (861, 32795), (874, 32762), (878, 32750), (890, 32702), (898, 32675), (909, 32654),

Gene: Seanderson_47 Start: 35777, Stop: 33948, Start Num: 229

Candidate Starts for Seanderson_47:

(Start: 229 @35777 has 918 MA's), (347, 35564), (354, 35549), (382, 35501), (394, 35471), (400, 35450), (402, 35444), (404, 35435), (440, 35318), (448, 35291), (500, 35198), (504, 35183), (539, 35099), (540, 35096), (566, 35030), (592, 34970), (614, 34925), (635, 34886), (695, 34706), (705, 34658), (723, 34610), (732, 34571), (735, 34553), (745, 34514), (758, 34493), (765, 34472), (770, 34457), (808, 34334), (875, 34163), (880, 34139), (895, 34091), (898, 34079), (909, 34058), (912, 34052), (928, 34004), (935, 33989),

Gene: Sebastisaurus_36 Start: 27845, Stop: 29776, Start Num: 229

Candidate Starts for Sebastisaurus_36:

(Start: 203 @27815 has 1 MA's), (Start: 229 @27845 has 918 MA's), (273, 27926), (327, 28025), (368, 28097), (371, 28103), (394, 28157), (395, 28160), (498, 28415), (501, 28433), (522, 28490), (528, 28505), (539, 28532), (542, 28541), (543, 28544), (544, 28547), (549, 28562), (611, 28697), (635, 28742), (646, 28766), (695, 28955), (698, 28961), (705, 29003), (719, 29042), (726, 29072), (733, 29099), (735, 29108), (742, 29138), (750, 29162), (771, 29225), (822, 29375), (825, 29381), (849, 29423), (852, 29435), (857, 29468), (861, 29483), (864, 29492), (875, 29519), (877, 29525), (880, 29543), (883, 29555), (898, 29603), (903, 29615), (928, 29678),

Gene: Sedgewig_38 Start: 28617, Stop: 26752, Start Num: 270

Candidate Starts for Sedgewig_38:

(Start: 216 @28704 has 3 MA's), (219, 28701), (Start: 270 @28617 has 147 MA's), (Start: 276 @28608 has 5 MA's), (333, 28503), (336, 28494), (353, 28464), (355, 28461), (408, 28341), (412, 28329), (415, 28323), (449, 28218), (456, 28191), (493, 28050), (497, 28044), (498, 28041), (500, 28029), (508, 28002), (509, 27999), (514, 27984), (516, 27978), (518, 27972), (531, 27939), (602, 27810), (629, 27750), (728, 27435), (731, 27426), (732, 27423), (735, 27405), (746, 27363), (748, 27357), (751, 27348), (756, 27333), (773, 27276), (820, 27117), (834, 27087), (836, 27078), (854, 27018), (858, 26994), (870, 26955), (879, 26922), (880, 26910), (896, 26850),

Gene: Selr12_61 Start: 54059, Stop: 52200, Start Num: 197

Candidate Starts for Selr12_61:

(Start: 175 @54083 has 5 MA's), (Start: 197 @54059 has 267 MA's), (Start: 231 @54035 has 5 MA's), (Start: 243 @54029 has 2 MA's), (260, 53987), (267, 53966), (316, 53852), (319, 53846), (337, 53816), (371, 53756), (381, 53735), (399, 53681), (403, 53669), (409, 53651), (413, 53639), (445, 53534), (486, 53477), (499, 53441), (502, 53429), (512, 53402), (524, 53375), (531, 53357), (539, 53339), (553, 53300), (556, 53291), (557, 53288), (690, 52928), (696, 52895), (702, 52874), (729, 52781), (732, 52772), (747, 52709), (765, 52673), (766, 52670), (771, 52655), (796, 52577), (800, 52565), (806, 52544), (822, 52505), (857, 52415), (862, 52397), (864, 52391), (870, 52376), (879, 52352), (881, 52337), (882, 52334), (884, 52322), (892, 52298), (911, 52250), (922, 52226),

Gene: SemperFi_45 Start: 31534, Stop: 29747, Start Num: 229

Candidate Starts for SemperFi_45:

(98, 31789), (Start: 229 @31534 has 918 MA's), (341, 31330), (343, 31327), (347, 31321), (354, 31306), (365, 31291), (382, 31258), (383, 31255), (394, 31228), (402, 31201), (408, 31180), (418, 31150), (448, 31048), (500, 30955), (516, 30907), (519, 30898), (528, 30883), (553, 30817), (588, 30736), (611, 30688), (614, 30682), (649, 30619), (678, 30544), (695, 30463), (707, 30412), (718, 30379), (719, 30376), (735, 30310), (745, 30271), (758, 30250), (781, 30175), (788, 30157), (802, 30112), (811, 30085), (828, 30049), (837, 30037), (840, 30031), (853, 29995), (857, 29971), (881, 29893), (898, 29836), (903, 29824), (909, 29815),

Gene: Serendipitous_56 Start: 53740, Stop: 51905, Start Num: 202

Candidate Starts for Serendipitous_56:

(180, 53764), (Start: 202 @53740 has 1 MA's), (Start: 242 @53704 has 4 MA's), (409, 53356), (420, 53326), (425, 53314), (436, 53278), (445, 53248), (499, 53155), (502, 53143), (505, 53134), (511, 53119), (516, 53107), (524, 53089), (549, 53026), (557, 53002), (603, 52897), (677, 52708), (679, 52690), (691, 52642), (696, 52615), (727, 52507), (729, 52501), (732, 52492), (759, 52408), (766, 52375), (771, 52360), (790, 52300), (796, 52282), (800, 52270), (806, 52249), (808, 52240), (810, 52237), (864, 52096), (869, 52087), (879, 52057), (881, 52042), (882, 52039), (888, 52015), (892, 52003), (893, 52000), (908, 51961), (922, 51931), (925, 51910),

Gene: Serendipity_60 Start: 54332, Stop: 52473, Start Num: 197

Candidate Starts for Serendipity_60:

(Start: 175 @54356 has 5 MA's), (Start: 197 @54332 has 267 MA's), (Start: 231 @54308 has 5 MA's), (Start: 243 @54302 has 2 MA's), (260, 54260), (267, 54239), (316, 54125), (319, 54119), (337, 54089), (371, 54029), (381, 54008), (399, 53954), (403, 53942), (409, 53924), (413, 53912), (445, 53807), (486, 53750), (499, 53714), (502, 53702), (512, 53675), (531, 53630), (553, 53573), (556, 53564), (557, 53561), (690, 53201), (696, 53168), (702, 53147), (729, 53054), (732, 53045), (747, 52982), (765, 52946), (766, 52943), (771, 52928), (796, 52850), (800, 52838), (806, 52817), (822, 52778), (857, 52688), (862, 52670), (864, 52664), (870, 52649), (879, 52625), (881, 52610), (882, 52607), (884, 52595), (892, 52571), (911, 52523), (922, 52499),

Gene: Serenity_45 Start: 30497, Stop: 28668, Start Num: 229

Candidate Starts for Serenity_45:

(Start: 229 @30497 has 918 MA's), (341, 30293), (343, 30290), (347, 30284), (354, 30269), (365, 30254), (381, 30224), (382, 30221), (394, 30191), (402, 30164), (408, 30143), (418, 30113), (448, 30011), (500, 29918), (516, 29870), (519, 29861), (528, 29846), (553, 29780), (588, 29699), (611, 29651), (635, 29606), (695, 29426), (705, 29378), (707, 29375), (719, 29339), (735, 29273), (745, 29234), (758, 29213), (781, 29138), (788, 29120), (802, 29075), (811, 29048), (828, 29012), (840, 28994), (853, 28958), (857, 28934), (881, 28856), (898, 28799), (903, 28787), (909, 28778), (925, 28730), (941, 28700), (948, 28682), (950, 28679),

Gene: Serpentine_0060 Start: 54415, Stop: 52556, Start Num: 197

Candidate Starts for Serpentine_0060:

(Start: 175 @54439 has 5 MA's), (Start: 197 @54415 has 267 MA's), (Start: 231 @54391 has 5 MA's), (Start: 243 @54385 has 2 MA's), (260, 54343), (267, 54322), (316, 54208), (319, 54202), (337, 54172), (371, 54112), (381, 54091), (399, 54037), (403, 54025), (409, 54007), (413, 53995), (445, 53890), (486, 53833), (499, 53797), (502, 53785), (512, 53758), (524, 53731), (531, 53713), (539, 53695), (553, 53656), (556, 53647), (557, 53644), (664, 53386), (690, 53284), (696, 53251), (702, 53230), (729, 53137), (732, 53128), (747, 53065), (765, 53029), (766, 53026), (771, 53011), (796, 52933), (800, 52921), (806, 52900), (822, 52861), (857, 52771), (862, 52753), (864, 52747), (870, 52732), (879, 52708), (881, 52693), (882, 52690), (884, 52678), (892, 52654), (911, 52606), (922, 52582),

Gene: Severus_42 Start: 30385, Stop: 28553, Start Num: 229

Candidate Starts for Severus_42:

(Start: 229 @30385 has 918 MA's), (261, 30334), (298, 30268), (341, 30181), (347, 30172), (378, 30121), (382, 30109), (402, 30052), (425, 29971), (429, 29959), (432, 29950), (441, 29923), (448, 29899), (500, 29806), (512, 29767), (543, 29698), (553, 29671), (614, 29539), (695, 29311), (714, 29245), (728, 29188), (735, 29158), (745, 29119), (766, 29047), (771, 29032), (777, 29008), (792, 28966), (802, 28933), (857, 28777), (864, 28753), (883, 28690), (898, 28642), (903, 28630), (909, 28621),

Gene: ShaiHulud_39 Start: 28925, Stop: 27069, Start Num: 276

Candidate Starts for ShaiHulud_39:

(Start: 216 @29021 has 3 MA's), (219, 29018), (Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (497, 28361), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (661, 27992), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (751, 27665), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Shaka_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Shaka_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: ShakeltOph_47 Start: 30557, Stop: 32419, Start Num: 229

Candidate Starts for ShakeltOph_47:

(151, 30458), (Start: 162 @30476 has 2 MA's), (Start: 229 @30557 has 918 MA's), (260, 30605), (343, 30764), (347, 30770), (400, 30875), (415, 30920), (497, 31127), (543, 31256), (588, 31361), (611, 31409), (651, 31493), (695, 31667), (718, 31751), (726, 31784), (729, 31793), (741, 31844), (764, 31913), (799, 32024), (825, 32093), (828, 32099), (864, 32204), (898, 32315),

Gene: Sham4_44 Start: 30331, Stop: 28544, Start Num: 229

Candidate Starts for Sham4_44:

(Start: 229 @30331 has 918 MA's), (341, 30127), (382, 30055), (394, 30025), (402, 29998), (501, 29746), (519, 29695), (553, 29614), (575, 29569), (576, 29566), (611, 29485), (640, 29428), (667, 29386), (678, 29341), (695, 29260), (707, 29209), (719, 29173), (735, 29107), (758, 29047), (763, 29035), (795, 28933), (802, 28909), (807, 28891), (840, 28828), (852, 28801), (853, 28792), (857, 28768), (898, 28633), (903, 28621), (909, 28612),

Gene: Shamu_38 Start: 28738, Stop: 26873, Start Num: 270

Candidate Starts for Shamu_38:

(Start: 270 @28738 has 147 MA's), (296, 28693), (321, 28639), (357, 28579), (384, 28528), (412, 28450), (415, 28444), (429, 28399), (430, 28396), (431, 28393), (443, 28354), (463, 28294), (493, 28171), (498, 28162), (500, 28150), (503, 28138), (509, 28120), (516, 28099), (521, 28087), (610, 27916), (676, 27748), (723, 27583), (731, 27547), (735, 27526), (746, 27484), (773, 27397), (783, 27352), (816, 27253), (834, 27208), (836, 27199), (854, 27139), (858, 27115), (869, 27082), (896, 26971),

Gene: Shapes_48 Start: 31200, Stop: 29365, Start Num: 229

Candidate Starts for Shapes_48:

(Start: 229 @31200 has 918 MA's), (261, 31149), (298, 31083), (341, 30996), (354, 30972), (378, 30936), (382, 30924), (402, 30867), (404, 30858), (429, 30774), (441, 30738), (444, 30726), (448, 30714), (500, 30621), (517, 30573), (543, 30513), (596, 30384), (598, 30381), (611, 30360), (614, 30354), (668, 30246), (695, 30123), (705, 30075), (728, 30000), (735, 29970), (745, 29931), (765, 29862), (766, 29859), (777, 29820), (786, 29796), (788, 29790), (792, 29778), (831, 29670), (857, 29589), (864, 29565), (883, 29502), (898, 29454), (903, 29442), (909, 29433),

Gene: Sharkboy_41 Start: 30011, Stop: 31882, Start Num: 229

Candidate Starts for Sharkboy_41:

(Start: 229 @30011 has 918 MA's), (330, 30194), (349, 30233), (368, 30251), (397, 30323), (404, 30347), (408, 30359), (409, 30362), (437, 30443), (525, 30635), (543, 30683), (581, 30773), (648, 30914), (683, 31037), (695, 31097), (714, 31163), (716, 31178), (726, 31214), (729, 31223), (735, 31250), (764, 31343), (793, 31436), (821, 31514), (853, 31586), (861, 31625), (877, 31667), (891, 31721), (898, 31745), (909, 31766), (920, 31790),

Gene: Shatter_51 Start: 45981, Stop: 44164, Start Num: 236

Candidate Starts for Shatter_51:

(75, 46302), (81, 46278), (Start: 236 @45981 has 14 MA's), (253, 45945), (260, 45930), (273, 45900), (334, 45774), (395, 45651), (399, 45636), (413, 45594), (445, 45498), (499, 45405), (549, 45276), (557, 45252), (679, 44940), (684, 44922), (696, 44865), (729, 44751), (732, 44742), (747, 44679), (766, 44640), (771, 44625), (796, 44547), (800, 44535), (806, 44514), (808, 44505), (852, 44418), (858, 44382), (861, 44370), (876, 44331), (879, 44322), (881, 44307), (892, 44262), (922, 44190),

Gene: Shawty_33 Start: 26720, Stop: 28573, Start Num: 229

Candidate Starts for Shawty_33:

(Start: 229 @26720 has 918 MA's), (273, 26801), (341, 26921), (400, 27044), (404, 27059), (501, 27299), (510, 27326), (522, 27356), (527, 27368), (539, 27398), (543, 27410), (549, 27428), (565, 27464), (605, 27554), (611, 27563), (642, 27623), (646, 27632), (690, 27791), (695, 27821), (704, 27854), (705, 27872), (712, 27887), (719, 27914), (726, 27944), (728, 27950), (729, 27953), (732, 27962), (733, 27971), (735, 27980), (738, 27995), (744, 28025), (763, 28079), (799, 28193), (822, 28256), (825, 28262), (828, 28268), (849, 28304), (852, 28316), (857, 28349), (861, 28364), (862, 28367), (864, 28373), (875, 28400), (877, 28406), (881, 28427), (898, 28484), (901, 28490), (903, 28496), (909, 28505),

Gene: ShayRa_48 Start: 29944, Stop: 28154, Start Num: 229

Candidate Starts for ShayRa_48:

(Start: 229 @29944 has 918 MA's), (327, 29770), (382, 29665), (383, 29662), (394, 29635), (402, 29608), (418, 29557), (448, 29455), (500, 29362), (514, 29317), (516, 29314), (519, 29305), (588, 29143), (598, 29116), (611, 29095), (614, 29089), (669, 28990), (678, 28951), (690, 28900), (695, 28870), (707, 28819), (718, 28786), (726, 28753), (728, 28747), (735, 28717), (758, 28657), (765, 28636), (777, 28594), (787, 28567), (792, 28552), (823, 28465), (853, 28402), (854, 28399), (898, 28243), (903, 28231), (911, 28219),

Gene: Shayna_42 Start: 28849, Stop: 30720, Start Num: 229

Candidate Starts for Shayna_42:

(Start: 229 @28849 has 918 MA's), (260, 28897), (266, 28918), (280, 28939), (404, 29182), (408, 29194), (412, 29206), (415, 29212), (437, 29278), (525, 29473), (543, 29521), (663, 29800), (695, 29938), (734, 30085), (735, 30091), (764, 30184), (781, 30244), (821, 30355), (823, 30361), (864, 30475), (876, 30505), (877, 30508), (898, 30586), (902, 30595),

Gene: SheaKeira_43 Start: 30794, Stop: 29001, Start Num: 229

Candidate Starts for SheaKeira_43:

(Start: 229 @30794 has 918 MA's), (Start: 244 @30785 has 1 MA's), (261, 30743), (325, 30623), (327, 30620), (347, 30581), (350, 30572), (383, 30512), (394, 30485), (398, 30470), (402, 30458), (418, 30407), (448, 30305), (500, 30212), (507, 30188), (514, 30167), (566, 30044), (640, 29885), (642, 29882), (666, 29846), (668, 29840), (695, 29717), (714, 29651), (728, 29594), (732, 29582), (735, 29564), (758, 29504), (765, 29483), (771, 29465), (802, 29366), (828, 29303), (853, 29249), (877, 29168), (881, 29147), (898, 29090), (903, 29078), (909, 29069),

Gene: SheckWes_48 Start: 33927, Stop: 31552, Start Num: 41

Candidate Starts for SheckWes_48:

(Start: 41 @33927 has 13 MA's), (58, 33867), (83, 33786), (121, 33666), (156, 33621), (205, 33543), (210, 33537), (211, 33534), (Start: 243 @33504 has 2 MA's), (251, 33486), (262, 33456), (274, 33429), (Start: 276 @33426 has 5 MA's), (311, 33369), (319, 33348), (333, 33330), (366, 33267), (379, 33243), (382, 33234), (386, 33222), (398, 33189), (405, 33168), (412, 33147), (469, 32964), (489, 32889), (493, 32868), (500, 32847), (547, 32760), (594, 32712), (609, 32682), (612, 32676), (634, 32631), (635, 32628), (642, 32613), (654, 32592), (655, 32589), (678, 32508), (685, 32478), (699, 32418), (701, 32409), (704, 32394), (707, 32379), (712, 32367), (735, 32274), (744, 32238), (746, 32232), (748, 32226), (750, 32220), (766, 32163), (773, 32139), (801, 32034), (802, 32031), (820, 31980), (838, 31938), (844, 31920), (854, 31881), (863, 31839), (871, 31815), (879, 31785), (888, 31737), (891, 31728), (896, 31713), (902, 31689), (910, 31668), (929, 31614), (944, 31581),

Gene: Shee_39 Start: 28927, Stop: 27062, Start Num: 270

Candidate Starts for Shee_39:

(Start: 216 @29014 has 3 MA's), (219, 29011), (Start: 270 @28927 has 147 MA's), (Start: 276 @28918 has 5 MA's), (333, 28813), (336, 28804), (353, 28774), (355, 28771), (408, 28651), (412, 28639), (415, 28633), (449, 28528), (456, 28501), (493, 28360), (497, 28354), (498, 28351), (500, 28339), (508, 28312), (509, 28309), (514, 28294), (516, 28288), (518, 28282), (531, 28249), (629, 28060), (728, 27745), (731, 27736), (732, 27733), (735, 27715), (746, 27673), (748, 27667), (751, 27658), (756, 27643), (773, 27586), (820, 27427), (834, 27397), (836, 27388), (854, 27328), (858, 27304), (870, 27265), (879, 27232), (880, 27220), (896, 27160),

Gene: Sheen_44 Start: 33301, Stop: 31466, Start Num: 229

Candidate Starts for Sheen_44:

(Start: 229 @33301 has 918 MA's), (250, 33280), (296, 33190), (369, 33052), (400, 32974), (402, 32968), (448, 32815), (498, 32731), (500, 32719), (514, 32674), (517, 32671), (543, 32611), (564, 32560), (569, 32548), (611, 32458), (635, 32413), (668, 32344), (678, 32302), (692, 32242), (695, 32221), (705, 32173), (723, 32125), (728, 32098), (729, 32095), (735, 32068), (745, 32029), (766, 31960), (777, 31921), (792, 31879), (793, 31876), (802, 31846), (840, 31750), (852, 31723), (861, 31675), (862, 31672), (898, 31555), (903, 31543), (909, 31534),

Gene: Sheila_58 Start: 53417, Stop: 51558, Start Num: 197

Candidate Starts for Sheila_58:

(Start: 175 @53441 has 5 MA's), (Start: 197 @53417 has 267 MA's), (Start: 231 @53393 has 5 MA's), (Start: 243 @53387 has 2 MA's), (253, 53360), (260, 53345), (267, 53324), (319, 53204), (337, 53174), (371, 53114), (381, 53093), (399, 53039), (403, 53027), (409, 53009), (413, 52997), (445, 52892), (486, 52835), (499, 52799), (502, 52787), (512, 52760), (531, 52715), (553, 52658), (556, 52649), (557, 52646), (558, 52643), (664, 52388), (690, 52286), (696, 52253), (702, 52232), (729, 52139), (732, 52130), (747, 52067), (765, 52031), (766, 52028), (771, 52013), (796, 51935), (800, 51923), (806, 51902), (822, 51863), (857, 51773), (862, 51755), (864, 51749), (870, 51734), (879, 51710), (881, 51695), (882, 51692), (884, 51680), (892, 51656), (911, 51608), (922, 51584),

Gene: SheldonCooper_47 Start: 31993, Stop: 30167, Start Num: 229

Candidate Starts for SheldonCooper_47:

(Start: 229 @31993 has 918 MA's), (260, 31945), (341, 31789), (382, 31717), (402, 31660), (404, 31651), (441, 31531), (448, 31507), (500, 31414), (517, 31366), (528, 31345), (543, 31306), (560, 31261), (598, 31174), (603, 31165), (611, 31153), (635, 31108), (640, 31096), (692, 30943), (695, 30922), (728, 30799), (735, 30769), (745, 30730), (765, 30664), (766, 30661), (777, 30622), (786, 30598), (857, 30391), (898, 30256), (903, 30244), (909, 30235),

Gene: Shenyu_58 Start: 54813, Stop: 52966, Start Num: 180

Candidate Starts for Shenyu_58:

(17, 55296), (19, 55290), (30, 55239), (34, 55221), (50, 55164), (144, 54876), (180, 54813), (Start: 242 @54765 has 4 MA's), (253, 54738), (277, 54687), (345, 54567), (409, 54417), (425, 54375), (436, 54339), (445, 54309), (499, 54216), (502, 54204), (511, 54180), (516, 54168), (524, 54150), (549, 54087), (557, 54063), (603, 53958), (611, 53949), (655, 53835), (677, 53769), (679, 53751), (691, 53703), (696, 53676), (727, 53568), (729, 53562), (732, 53553), (736, 53532), (759, 53469), (766, 53436), (771, 53421), (790, 53361), (796, 53343), (800, 53331), (806, 53310), (808, 53301), (810, 53298), (816, 53286), (857, 53181), (862, 53163), (864, 53157), (879, 53118), (881, 53103), (882, 53100), (888, 53076), (892, 53064), (893, 53061), (912, 53013), (922, 52992), (925, 52971),

Gene: ShiVal_58 Start: 54054, Stop: 52195, Start Num: 197

Candidate Starts for ShiVal_58:

(Start: 175 @54078 has 5 MA's), (Start: 197 @54054 has 267 MA's), (Start: 231 @54030 has 5 MA's), (Start: 243 @54024 has 2 MA's), (260, 53982), (267, 53961), (316, 53847), (319, 53841), (337, 53811), (371, 53751), (381, 53730), (399, 53676), (403, 53664), (409, 53646), (413, 53634), (445, 53529), (486, 53472), (499, 53436), (502, 53424), (512, 53397), (524, 53370), (531, 53352), (539, 53334), (553, 53295), (556, 53286), (557, 53283), (664, 53025), (690, 52923), (696, 52890), (702, 52869), (729, 52776), (732, 52767), (747, 52704), (765, 52668), (766, 52665), (771, 52650), (796, 52572), (800, 52560), (806, 52539), (822, 52500), (857, 52410), (862, 52392), (864, 52386), (870, 52371), (879, 52347), (881, 52332), (882, 52329), (884, 52317), (892, 52293), (911, 52245), (922, 52221),

Gene: Shocker_43 Start: 33276, Stop: 31243, Start Num: 265

Candidate Starts for Shocker_43:

(Start: 265 @33276 has 1 MA's), (331, 33123), (346, 33090), (357, 33072), (378, 33033), (416, 32913), (419, 32904), (495, 32709), (507, 32664), (539, 32583), (541, 32577), (543, 32571), (550, 32550), (567, 32511), (582, 32481), (593, 32454), (613, 32412), (617, 32403), (640, 32343), (669, 32268), (730, 32001), (746, 31935), (780, 31803), (788, 31764), (819, 31668), (832, 31632), (837, 31617), (842, 31608), (852, 31566), (855, 31551), (866, 31497), (867, 31494), (879, 31440), (918, 31302), (921, 31293),

Gene: ShortQueendom_39 Start: 30936, Stop: 29110, Start Num: 229

Candidate Starts for ShortQueendom_39:

(Start: 229 @30936 has 918 MA's), (347, 30723), (354, 30708), (382, 30660), (394, 30630), (400, 30609), (402, 30603), (404, 30594), (440, 30477), (448, 30450), (500, 30357), (504, 30342), (516, 30309), (539, 30258), (540, 30255), (566, 30189), (580, 30159), (592, 30129), (614, 30084), (635, 30045), (695, 29865), (704, 29835), (705, 29817), (707, 29814), (719, 29778), (735, 29712), (765, 29631), (766, 29628), (792, 29547), (853, 29397), (854, 29394), (861, 29358), (870, 29334), (874, 29325), (878, 29313), (898, 29238), (909, 29217),

Gene: Shrew_87 Start: 46522, Stop: 49053, Start Num: 23

Candidate Starts for Shrew_87:

(23, 46522), (72, 46708), (121, 46867), (191, 46969), (210, 46996), (211, 46999), (253, 47047), (Start: 269 @47089 has 4 MA's), (309, 47167), (320, 47194), (328, 47215), (348, 47251), (399, 47365), (412, 47404), (431, 47461), (459, 47530), (468, 47563), (489, 47641), (584, 47848), (599, 47887), (630, 47965), (633, 47977), (635, 47983), (650, 48007), (655, 48019), (699, 48193), (702, 48208), (704,

48217), (731, 48316), (735, 48337), (752, 48400), (763, 48439), (773, 48475), (812, 48613), (830, 48655), (844, 48694), (854, 48733), (861, 48769), (879, 48829), (896, 48901), (898, 48910), (907, 48940), (918, 48967), (941, 49033),

Gene: Shuman_36 Start: 28126, Stop: 26342, Start Num: 229

Candidate Starts for Shuman_36:

(Start: 229 @28126 has 918 MA's), (361, 27892), (378, 27862), (381, 27853), (382, 27850), (398, 27805), (402, 27793), (418, 27742), (448, 27640), (477, 27619), (500, 27547), (514, 27502), (516, 27499), (536, 27457), (538, 27451), (543, 27436), (553, 27409), (598, 27304), (603, 27295), (614, 27277), (635, 27238), (668, 27181), (695, 27058), (705, 27010), (735, 26905), (736, 26902), (758, 26845), (765, 26824), (779, 26776), (804, 26701), (837, 26632), (853, 26590), (857, 26566), (881, 26488), (898, 26431), (903, 26419), (909, 26410), (923, 26380), (925, 26362),

Gene: Shygu2_44 Start: 31522, Stop: 29693, Start Num: 229

Candidate Starts for Shygu2_44:

(Start: 229 @31522 has 918 MA's), (261, 31471), (273, 31441), (365, 31279), (376, 31261), (382, 31246), (402, 31189), (404, 31180), (408, 31168), (441, 31060), (448, 31036), (500, 30943), (517, 30895), (528, 30874), (543, 30835), (598, 30703), (611, 30682), (635, 30637), (640, 30625), (692, 30472), (695, 30451), (735, 30298), (744, 30262), (745, 30259), (766, 30187), (771, 30172), (777, 30148), (783, 30130), (786, 30124), (788, 30118), (857, 29917), (898, 29782), (903, 29770), (909, 29761),

Gene: Sibs6_45 Start: 33579, Stop: 31753, Start Num: 229

Candidate Starts for Sibs6_45:

(Start: 229 @33579 has 918 MA's), (347, 33366), (354, 33351), (382, 33303), (394, 33273), (400, 33252), (402, 33246), (404, 33237), (440, 33120), (448, 33093), (500, 33000), (504, 32985), (539, 32901), (540, 32898), (566, 32832), (580, 32802), (592, 32772), (614, 32727), (635, 32688), (695, 32508), (705, 32460), (719, 32421), (735, 32355), (745, 32316), (758, 32295), (765, 32274), (771, 32256), (792, 32190), (853, 32040), (854, 32037), (861, 32001), (870, 31977), (874, 31968), (878, 31956), (890, 31908), (898, 31881), (909, 31860),

Gene: Sigman_61 Start: 54010, Stop: 52151, Start Num: 197

Candidate Starts for Sigman_61:

(Start: 175 @54034 has 5 MA's), (Start: 197 @54010 has 267 MA's), (Start: 231 @53986 has 5 MA's), (Start: 243 @53980 has 2 MA's), (260, 53938), (267, 53917), (316, 53803), (319, 53797), (337, 53767), (371, 53707), (381, 53686), (399, 53632), (403, 53620), (409, 53602), (413, 53590), (445, 53485), (486, 53428), (499, 53392), (502, 53380), (511, 53356), (516, 53344), (524, 53326), (531, 53308), (539, 53290), (553, 53251), (556, 53242), (557, 53239), (558, 53236), (690, 52879), (696, 52846), (702, 52825), (729, 52732), (732, 52723), (747, 52660), (765, 52624), (766, 52621), (771, 52606), (796, 52528), (800, 52516), (806, 52495), (822, 52456), (857, 52366), (862, 52348), (864, 52342), (870, 52327), (879, 52303), (881, 52288), (882, 52285), (884, 52273), (892, 52249), (911, 52201), (922, 52177),

Gene: SilverBell_61 Start: 54295, Stop: 52436, Start Num: 197

Candidate Starts for SilverBell_61:

(Start: 175 @54319 has 5 MA's), (Start: 197 @54295 has 267 MA's), (Start: 231 @54271 has 5 MA's), (Start: 243 @54265 has 2 MA's), (260, 54223), (267, 54202), (316, 54088), (319, 54082), (337, 54052), (371, 53992), (381, 53971), (399, 53917), (403, 53905), (409, 53887), (413, 53875), (445, 53770), (486, 53713), (499, 53677), (502, 53665), (511, 53641), (516, 53629), (524, 53611), (531, 53593), (539, 53575), (553, 53536), (556, 53527), (557, 53524), (558, 53521), (690, 53164), (696, 53131), (702, 53110), (729, 53017), (732, 53008), (747, 52945), (765, 52909), (766, 52906), (771, 52891), (796, 52813), (800, 52801), (806, 52780), (822, 52741), (857, 52651), (862, 52633), (864, 52627), (870, 52612), (879, 52588), (881, 52573), (882, 52570), (884, 52558), (892, 52534), (911,

52486), (922, 52462),

Gene: Simielle_60 Start: 54014, Stop: 52155, Start Num: 197

Candidate Starts for Simielle_60:

(Start: 175 @54038 has 5 MA's), (Start: 197 @54014 has 267 MA's), (Start: 231 @53990 has 5 MA's), (Start: 243 @53984 has 2 MA's), (260, 53942), (267, 53921), (316, 53807), (319, 53801), (337, 53771), (371, 53711), (381, 53690), (399, 53636), (403, 53624), (409, 53606), (413, 53594), (445, 53489), (486, 53432), (499, 53396), (502, 53384), (512, 53357), (531, 53312), (553, 53255), (556, 53246), (557, 53243), (664, 52985), (690, 52883), (696, 52850), (702, 52829), (729, 52736), (732, 52727), (747, 52664), (765, 52628), (766, 52625), (771, 52610), (796, 52532), (800, 52520), (806, 52499), (822, 52460), (857, 52370), (862, 52352), (864, 52346), (870, 52331), (879, 52307), (881, 52292), (882, 52289), (884, 52277), (892, 52253), (911, 52205), (922, 52181),

Gene: Simpson_43 Start: 29708, Stop: 31573, Start Num: 229

Candidate Starts for Simpson_43:

(Start: 229 @29708 has 918 MA's), (260, 29756), (394, 30005), (408, 30053), (421, 30095), (501, 30302), (504, 30311), (540, 30401), (543, 30410), (548, 30425), (567, 30470), (588, 30515), (611, 30563), (640, 30620), (669, 30701), (689, 30788), (695, 30821), (704, 30851), (719, 30908), (735, 30974), (764, 31067), (786, 31139), (825, 31247), (853, 31310), (857, 31334), (891, 31445), (898, 31469), (902, 31478),

Gene: Sinatra_37 Start: 28491, Stop: 26641, Start Num: 268

Candidate Starts for Sinatra_37:

(Start: 268 @28491 has 18 MA's), (336, 28368), (355, 28335), (405, 28224), (412, 28203), (415, 28197), (431, 28146), (479, 27990), (493, 27936), (497, 27930), (498, 27927), (500, 27915), (509, 27885), (518, 27858), (530, 27828), (610, 27681), (670, 27534), (728, 27324), (732, 27312), (735, 27294), (746, 27252), (751, 27237), (762, 27201), (773, 27165), (834, 26976), (836, 26967), (854, 26907), (858, 26883), (864, 26862), (869, 26850), (896, 26739),

Gene: SirJeffery_57 Start: 54475, Stop: 52676, Start Num: 242

Candidate Starts for SirJeffery_57:

(126, 54625), (156, 54559), (Start: 189 @54505 has 57 MA's), (224, 54484), (Start: 242 @54475 has 4 MA's), (253, 54448), (275, 54400), (335, 54289), (345, 54277), (409, 54127), (420, 54097), (425, 54085), (436, 54049), (445, 54019), (499, 53926), (502, 53914), (503, 53911), (511, 53890), (516, 53878), (524, 53860), (549, 53797), (557, 53773), (603, 53668), (655, 53545), (664, 53521), (673, 53494), (676, 53482), (677, 53479), (679, 53461), (691, 53413), (696, 53386), (711, 53335), (729, 53272), (732, 53263), (759, 53179), (766, 53146), (771, 53131), (790, 53071), (796, 53053), (800, 53041), (806, 53020), (808, 53011), (810, 53008), (857, 52891), (862, 52873), (864, 52867), (879, 52828), (880, 52816), (881, 52813), (884, 52798), (888, 52786), (892, 52774), (893, 52771), (908, 52732), (912, 52723), (922, 52702), (925, 52681),

Gene: SirVictor_37 Start: 28567, Stop: 26717, Start Num: 268

Candidate Starts for SirVictor_37:

(179, 28708), (249, 28618), (Start: 268 @28567 has 18 MA's), (321, 28468), (336, 28444), (355, 28411), (405, 28300), (412, 28279), (415, 28273), (429, 28228), (431, 28222), (479, 28066), (498, 28003), (500, 27991), (509, 27961), (530, 27904), (670, 27610), (728, 27400), (731, 27391), (732, 27388), (735, 27370), (746, 27328), (773, 27241), (854, 26983), (858, 26959), (859, 26956), (869, 26926), (896, 26815),

Gene: Sisko_49 Start: 45974, Stop: 44160, Start Num: 231

Candidate Starts for Sisko_49:

(165, 46064), (169, 46058), (Start: 231 @45974 has 5 MA's), (Start: 243 @45965 has 2 MA's), (260, 45923), (316, 45797), (343, 45755), (365, 45713), (395, 45644), (408, 45605), (412, 45593), (413,

45590), (439, 45515), (445, 45494), (499, 45401), (548, 45275), (553, 45260), (557, 45248), (594, 45158), (679, 44936), (696, 44861), (729, 44747), (732, 44738), (747, 44675), (766, 44636), (771, 44621), (796, 44543), (800, 44531), (801, 44525), (806, 44510), (808, 44501), (812, 44492), (852, 44414), (857, 44381), (858, 44378), (877, 44324), (879, 44318), (884, 44282), (892, 44258), (922, 44186),

Gene: Sixama_172 Start: 99122, Stop: 97338, Start Num: 240

Candidate Starts for Sixama_172:

(187, 99188), (206, 99161), (Start: 240 @99122 has 1 MA's), (296, 99014), (325, 98954), (341, 98921), (381, 98858), (397, 98813), (412, 98768), (413, 98765), (442, 98687), (446, 98672), (447, 98669), (451, 98657), (500, 98588), (532, 98504), (543, 98477), (548, 98462), (622, 98303), (635, 98279), (688, 98138), (692, 98117), (695, 98096), (740, 97916), (754, 97859), (786, 97757), (789, 97748), (809, 97685), (815, 97673), (818, 97664), (858, 97544), (861, 97532), (864, 97523), (868, 97517), (875, 97496), (877, 97490), (879, 97484), (882, 97466), (883, 97460), (898, 97412), (927, 97361),

Gene: SketchMex_43 Start: 32515, Stop: 30125, Start Num: 32

Candidate Starts for SketchMex_43:

(Start: 32 @32515 has 16 MA's), (58, 32452), (63, 32434), (66, 32419), (83, 32365), (87, 32353), (94, 32332), (106, 32299), (116, 32272), (121, 32248), (147, 32221), (211, 32116), (251, 32068), (311, 31951), (352, 31870), (368, 31843), (379, 31822), (398, 31768), (399, 31765), (405, 31747), (412, 31726), (432, 31666), (489, 31468), (500, 31426), (547, 31339), (570, 31315), (586, 31309), (609, 31255), (612, 31249), (633, 31207), (634, 31204), (635, 31201), (685, 31054), (693, 31012), (701, 30985), (712, 30943), (735, 30850), (744, 30814), (746, 30808), (748, 30802), (750, 30796), (757, 30772), (766, 30739), (773, 30715), (783, 30670), (801, 30610), (854, 30457), (896, 30289), (910, 30244), (914, 30235), (918, 30226),

Gene: SkiPole_47 Start: 35312, Stop: 33483, Start Num: 229

Candidate Starts for SkiPole_47:

(Start: 229 @35312 has 918 MA's), (347, 35099), (354, 35084), (382, 35036), (394, 35006), (400, 34985), (402, 34979), (404, 34970), (440, 34853), (448, 34826), (500, 34733), (504, 34718), (539, 34634), (540, 34631), (566, 34565), (592, 34505), (614, 34460), (635, 34421), (695, 34241), (705, 34193), (723, 34145), (732, 34106), (735, 34088), (745, 34049), (758, 34028), (765, 34007), (770, 33992), (808, 33869), (875, 33698), (880, 33674), (895, 33626), (898, 33614), (909, 33593), (912, 33587), (928, 33539), (935, 33524),

Gene: Skipitt_44 Start: 31564, Stop: 29738, Start Num: 229

Candidate Starts for Skipitt_44:

(Start: 229 @31564 has 918 MA's), (250, 31543), (261, 31513), (273, 31483), (365, 31321), (376, 31303), (402, 31231), (404, 31222), (441, 31102), (448, 31078), (500, 30985), (517, 30937), (528, 30916), (543, 30877), (598, 30745), (611, 30724), (635, 30679), (640, 30667), (692, 30514), (695, 30493), (728, 30370), (735, 30340), (745, 30301), (765, 30235), (766, 30232), (771, 30217), (777, 30193), (786, 30169), (857, 29962), (898, 29827), (903, 29815), (909, 29806),

Gene: Skippy_61 Start: 54268, Stop: 52409, Start Num: 197

Candidate Starts for Skippy_61:

(Start: 175 @54292 has 5 MA's), (Start: 197 @54268 has 267 MA's), (Start: 231 @54244 has 5 MA's), (Start: 243 @54238 has 2 MA's), (260, 54196), (267, 54175), (316, 54061), (319, 54055), (337, 54025), (371, 53965), (381, 53944), (399, 53890), (403, 53878), (409, 53860), (413, 53848), (445, 53743), (486, 53686), (499, 53650), (502, 53638), (511, 53614), (516, 53602), (524, 53584), (531, 53566), (539, 53548), (553, 53509), (556, 53500), (557, 53497), (558, 53494), (664, 53239), (690, 53137), (696, 53104), (702, 53083), (729, 52990), (732, 52981), (747, 52918), (765, 52882), (766, 52879), (771, 52864), (796, 52786), (800, 52774), (806, 52753), (822, 52714), (857, 52624), (862,

52606), (864, 52600), (870, 52585), (879, 52561), (881, 52546), (882, 52543), (884, 52531), (892, 52507), (898, 52486), (911, 52459), (922, 52435),

Gene: Skylord_40 Start: 27452, Stop: 29320, Start Num: 226

Candidate Starts for Skylord_40:

(Start: 226 @27452 has 7 MA's), (Start: 229 @27455 has 918 MA's), (232, 27458), (266, 27527), (409, 27809), (418, 27836), (437, 27890), (512, 28055), (543, 28130), (550, 28151), (683, 28505), (695, 28565), (707, 28616), (726, 28682), (735, 28718), (764, 28811), (821, 28982), (853, 29054), (877, 29135), (897, 29210), (898, 29213), (909, 29234), (937, 29303),

Gene: Slagathor_47 Start: 35125, Stop: 33338, Start Num: 229

Candidate Starts for Slagathor_47:

(Start: 229 @35125 has 918 MA's), (347, 34912), (354, 34897), (394, 34819), (400, 34798), (402, 34792), (404, 34783), (440, 34666), (448, 34639), (500, 34546), (504, 34531), (516, 34498), (539, 34447), (540, 34444), (566, 34378), (580, 34348), (592, 34318), (614, 34273), (635, 34234), (695, 34054), (705, 34006), (719, 33967), (735, 33901), (763, 33829), (765, 33820), (792, 33736), (823, 33649), (870, 33523), (875, 33511), (898, 33427), (901, 33421),

Gene: Slatt_61 Start: 54333, Stop: 52474, Start Num: 197

Candidate Starts for Slatt_61:

(Start: 175 @54357 has 5 MA's), (Start: 197 @54333 has 267 MA's), (Start: 231 @54309 has 5 MA's), (Start: 243 @54303 has 2 MA's), (260, 54261), (267, 54240), (316, 54126), (319, 54120), (337, 54090), (371, 54030), (381, 54009), (399, 53955), (403, 53943), (409, 53925), (413, 53913), (445, 53808), (486, 53751), (499, 53715), (502, 53703), (512, 53676), (524, 53649), (531, 53631), (539, 53613), (553, 53574), (556, 53565), (557, 53562), (690, 53202), (696, 53169), (702, 53148), (729, 53055), (732, 53046), (747, 52983), (765, 52947), (766, 52944), (771, 52929), (796, 52851), (800, 52839), (806, 52818), (822, 52779), (857, 52689), (862, 52671), (864, 52665), (870, 52650), (879, 52626), (881, 52611), (882, 52608), (884, 52596), (892, 52572), (911, 52524), (922, 52500),

Gene: Slay_43 Start: 30006, Stop: 31880, Start Num: 229

Candidate Starts for Slay_43:

(Start: 226 @30003 has 7 MA's), (Start: 229 @30006 has 918 MA's), (266, 30075), (280, 30096), (341, 30213), (382, 30276), (404, 30342), (418, 30384), (543, 30678), (598, 30813), (648, 30912), (683, 31035), (695, 31095), (698, 31101), (707, 31146), (714, 31161), (716, 31176), (726, 31212), (735, 31248), (764, 31341), (793, 31434), (821, 31512), (853, 31584), (861, 31623), (877, 31665), (880, 31683), (898, 31743), (909, 31764),

Gene: SlippinJimmy_60 Start: 54842, Stop: 53025, Start Num: 238

Candidate Starts for SlippinJimmy_60:

(124, 55025), (Start: 238 @54842 has 44 MA's), (253, 54812), (347, 54632), (408, 54479), (412, 54467), (422, 54437), (426, 54431), (445, 54368), (447, 54362), (486, 54311), (499, 54275), (516, 54227), (557, 54122), (596, 54026), (627, 53975), (676, 53831), (684, 53792), (691, 53762), (696, 53735), (700, 53723), (727, 53627), (729, 53621), (732, 53612), (734, 53600), (759, 53528), (765, 53498), (771, 53480), (773, 53471), (796, 53402), (800, 53390), (806, 53369), (840, 53300), (849, 53285), (854, 53261), (857, 53240), (862, 53222), (864, 53216), (877, 53183), (879, 53177), (882, 53159), (884, 53147), (888, 53135), (892, 53123), (908, 53081), (922, 53051),

Gene: Smairt_47 Start: 35424, Stop: 33637, Start Num: 229

Candidate Starts for Smairt_47:

(Start: 229 @35424 has 918 MA's), (347, 35211), (354, 35196), (394, 35118), (400, 35097), (402, 35091), (404, 35082), (440, 34965), (448, 34938), (500, 34845), (504, 34830), (511, 34809), (516, 34797), (539, 34746), (540, 34743), (560, 34689), (566, 34677), (580, 34647), (592, 34617), (614, 34572), (635, 34533), (695, 34353), (705, 34305), (719, 34266), (735, 34200), (763, 34128), (765,

34119), (792, 34035), (823, 33948), (870, 33822), (875, 33810), (898, 33726), (901, 33720),

Gene: Smeadley_43 Start: 30722, Stop: 28878, Start Num: 229

Candidate Starts for Smeadley_43:

(128, 30887), (Start: 229 @30722 has 918 MA's), (261, 30671), (327, 30548), (341, 30518), (365, 30479), (382, 30446), (394, 30416), (400, 30395), (402, 30389), (404, 30380), (418, 30338), (432, 30287), (447, 30239), (448, 30236), (500, 30140), (508, 30113), (514, 30095), (516, 30092), (519, 30083), (543, 30029), (553, 30002), (576, 29954), (598, 29897), (614, 29870), (640, 29819), (650, 29804), (692, 29657), (695, 29636), (704, 29606), (705, 29588), (707, 29585), (714, 29570), (719, 29549), (723, 29540), (728, 29513), (732, 29501), (735, 29483), (765, 29402), (769, 29390), (786, 29336), (798, 29300), (808, 29264), (823, 29231), (837, 29210), (840, 29204), (854, 29165), (857, 29144), (862, 29126), (898, 29009), (901, 29003), (903, 28997),

Gene: Smeagan_47 Start: 31877, Stop: 30090, Start Num: 229

Candidate Starts for Smeagan_47:

(Start: 229 @31877 has 918 MA's), (343, 31670), (347, 31664), (354, 31649), (365, 31634), (383, 31598), (394, 31571), (402, 31544), (408, 31523), (448, 31391), (500, 31298), (514, 31253), (516, 31250), (519, 31241), (528, 31226), (553, 31160), (588, 31079), (611, 31031), (614, 31025), (695, 30806), (707, 30755), (718, 30722), (719, 30719), (735, 30653), (745, 30614), (758, 30593), (781, 30518), (786, 30506), (802, 30455), (828, 30392), (840, 30374), (853, 30338), (857, 30314), (881, 30236), (898, 30179), (903, 30167), (909, 30158),

Gene: Smeagol_46 Start: 35946, Stop: 34120, Start Num: 229

Candidate Starts for Smeagol_46:

(Start: 229 @35946 has 918 MA's), (347, 35733), (354, 35718), (394, 35640), (400, 35619), (402, 35613), (404, 35604), (440, 35487), (448, 35460), (500, 35367), (504, 35352), (516, 35319), (539, 35268), (540, 35265), (566, 35199), (580, 35169), (592, 35139), (614, 35094), (635, 35055), (695, 34875), (705, 34827), (707, 34824), (719, 34788), (735, 34722), (765, 34641), (766, 34638), (792, 34557), (853, 34407), (854, 34404), (861, 34368), (870, 34344), (878, 34323), (898, 34248), (909, 34227),

Gene: SmellyB_45 Start: 29627, Stop: 27786, Start Num: 229

Candidate Starts for SmellyB_45:

(Start: 229 @29627 has 918 MA's), (341, 29423), (382, 29348), (383, 29345), (394, 29318), (398, 29303), (402, 29291), (418, 29240), (444, 29150), (448, 29138), (500, 29045), (512, 29006), (519, 28988), (528, 28973), (553, 28907), (567, 28874), (569, 28871), (615, 28769), (649, 28709), (678, 28625), (695, 28544), (718, 28460), (719, 28457), (723, 28448), (728, 28421), (735, 28391), (758, 28331), (771, 28292), (853, 28076), (854, 28073), (857, 28052), (898, 27917), (903, 27905), (909, 27896), (911, 27893), (947, 27800),

Gene: SnapTap_44 Start: 31345, Stop: 29558, Start Num: 229

Candidate Starts for SnapTap_44:

(98, 31600), (Start: 229 @31345 has 918 MA's), (341, 31141), (343, 31138), (347, 31132), (354, 31117), (365, 31102), (382, 31069), (383, 31066), (394, 31039), (402, 31012), (408, 30991), (418, 30961), (448, 30859), (500, 30766), (516, 30718), (519, 30709), (528, 30694), (553, 30628), (588, 30547), (611, 30499), (614, 30493), (649, 30430), (678, 30355), (695, 30274), (707, 30223), (718, 30190), (719, 30187), (735, 30121), (745, 30082), (758, 30061), (781, 29986), (788, 29968), (802, 29923), (811, 29896), (828, 29860), (837, 29848), (840, 29842), (853, 29806), (857, 29782), (881, 29704), (898, 29647), (903, 29635), (909, 29626),

Gene: Snape_44 Start: 30329, Stop: 28542, Start Num: 229

Candidate Starts for Snape_44:

(Start: 229 @30329 has 918 MA's), (341, 30125), (382, 30053), (394, 30023), (402, 29996), (501, 29744), (519, 29693), (553, 29612), (575, 29567), (611, 29483), (640, 29426), (667, 29384), (678, 29339), (695, 29258), (707, 29207), (719, 29171), (735, 29105), (758, 29045), (763, 29033), (795, 28931), (802, 28907), (807, 28889), (840, 28826), (852, 28799), (853, 28790), (857, 28766), (898, 28631), (903, 28619), (909, 28610),

Gene: Snazzy_42 Start: 34003, Stop: 32177, Start Num: 229

Candidate Starts for Snazzy_42:

(Start: 229 @34003 has 918 MA's), (347, 33790), (354, 33775), (394, 33697), (400, 33676), (402, 33670), (404, 33661), (440, 33544), (448, 33517), (500, 33424), (504, 33409), (516, 33376), (539, 33325), (540, 33322), (566, 33256), (580, 33226), (592, 33196), (614, 33151), (635, 33112), (695, 32932), (704, 32902), (705, 32884), (707, 32881), (719, 32845), (735, 32779), (765, 32698), (766, 32695), (792, 32614), (853, 32464), (854, 32461), (861, 32425), (870, 32401), (874, 32392), (878, 32380), (898, 32305), (909, 32284),

Gene: Snek_40 Start: 28185, Stop: 30029, Start Num: 229

Candidate Starts for Snek_40:

(Start: 229 @28185 has 918 MA's), (260, 28233), (295, 28293), (341, 28389), (364, 28416), (383, 28455), (400, 28503), (421, 28572), (501, 28758), (543, 28866), (548, 28881), (605, 29010), (611, 29019), (669, 29157), (695, 29277), (719, 29364), (733, 29421), (735, 29430), (764, 29523), (853, 29766), (898, 29925), (902, 29934), (936, 30012),

Gene: Snickers_48 Start: 31826, Stop: 30012, Start Num: 229

Candidate Starts for Snickers_48:

(Start: 229 @31826 has 918 MA's), (255, 31787), (261, 31775), (341, 31622), (349, 31607), (382, 31550), (402, 31493), (404, 31484), (418, 31442), (432, 31391), (448, 31340), (500, 31247), (516, 31199), (519, 31190), (528, 31175), (543, 31136), (553, 31109), (566, 31079), (607, 30986), (639, 30926), (649, 30911), (695, 30755), (719, 30668), (735, 30602), (745, 30563), (766, 30491), (777, 30452), (786, 30428), (792, 30410), (802, 30377), (811, 30350), (840, 30296), (857, 30236), (881, 30158), (898, 30101), (903, 30089), (909, 30080),

Gene: SoYo_48 Start: 31764, Stop: 29950, Start Num: 229

Candidate Starts for SoYo_48:

(Start: 229 @31764 has 918 MA's), (255, 31725), (261, 31713), (341, 31560), (349, 31545), (382, 31488), (402, 31431), (404, 31422), (418, 31380), (432, 31329), (448, 31278), (500, 31185), (516, 31137), (519, 31128), (528, 31113), (543, 31074), (553, 31047), (566, 31017), (607, 30924), (639, 30864), (649, 30849), (695, 30693), (719, 30606), (735, 30540), (745, 30501), (766, 30429), (777, 30390), (786, 30366), (792, 30348), (802, 30315), (811, 30288), (840, 30234), (857, 30174), (881, 30096), (898, 30039), (903, 30027), (909, 30018),

Gene: SoilDragon_48 Start: 31301, Stop: 29487, Start Num: 229

Candidate Starts for SoilDragon_48:

(Start: 229 @31301 has 918 MA's), (255, 31262), (261, 31250), (341, 31097), (349, 31082), (382, 31025), (402, 30968), (404, 30959), (418, 30917), (432, 30866), (448, 30815), (500, 30722), (516, 30674), (519, 30665), (528, 30650), (543, 30611), (553, 30584), (566, 30554), (607, 30461), (614, 30449), (639, 30401), (649, 30386), (695, 30230), (719, 30143), (735, 30077), (745, 30038), (766, 29966), (777, 29927), (786, 29903), (792, 29885), (802, 29852), (811, 29825), (840, 29771), (857, 29711), (881, 29633), (898, 29576), (903, 29564), (909, 29555),

Gene: SoilGremlin_39 Start: 28933, Stop: 27068, Start Num: 270

Candidate Starts for SoilGremlin_39:

(Start: 216 @29020 has 3 MA's), (Start: 270 @28933 has 147 MA's), (Start: 276 @28924 has 5 MA's), (333, 28819), (336, 28810), (353, 28780), (355, 28777), (408, 28657), (412, 28645), (415, 28639),

(449, 28534), (456, 28507), (493, 28366), (497, 28360), (498, 28357), (500, 28345), (508, 28318), (509, 28315), (514, 28300), (516, 28294), (518, 28288), (531, 28255), (602, 28126), (629, 28066), (728, 27751), (731, 27742), (732, 27739), (735, 27721), (746, 27679), (748, 27673), (751, 27664), (756, 27649), (773, 27592), (820, 27433), (834, 27403), (836, 27394), (854, 27334), (858, 27310), (870, 27271), (879, 27238), (880, 27226), (896, 27166),

Gene: Soile_61 Start: 54557, Stop: 52698, Start Num: 197

Candidate Starts for Soile_61:

(Start: 175 @54581 has 5 MA's), (Start: 197 @54557 has 267 MA's), (Start: 231 @54533 has 5 MA's), (Start: 243 @54527 has 2 MA's), (260, 54485), (267, 54464), (316, 54350), (319, 54344), (337, 54314), (371, 54254), (381, 54233), (399, 54179), (403, 54167), (409, 54149), (413, 54137), (445, 54032), (486, 53975), (499, 53939), (502, 53927), (511, 53903), (516, 53891), (524, 53873), (531, 53855), (539, 53837), (553, 53798), (556, 53789), (557, 53786), (558, 53783), (690, 53426), (696, 53393), (702, 53372), (729, 53279), (732, 53270), (747, 53207), (765, 53171), (766, 53168), (771, 53153), (796, 53075), (800, 53063), (806, 53042), (822, 53003), (857, 52913), (862, 52895), (864, 52889), (870, 52874), (879, 52850), (881, 52835), (882, 52832), (884, 52820), (892, 52796), (911, 52748), (922, 52724),

Gene: Solon_44 Start: 34769, Stop: 32940, Start Num: 229

Candidate Starts for Solon_44:

(Start: 229 @34769 has 918 MA's), (347, 34556), (354, 34541), (382, 34493), (394, 34463), (400, 34442), (402, 34436), (404, 34427), (440, 34310), (448, 34283), (500, 34190), (504, 34175), (516, 34142), (539, 34091), (540, 34088), (566, 34022), (580, 33992), (592, 33962), (614, 33917), (635, 33878), (695, 33698), (705, 33650), (723, 33602), (732, 33563), (735, 33545), (745, 33506), (758, 33485), (765, 33464), (770, 33449), (808, 33326), (875, 33155), (880, 33131), (895, 33083), (898, 33071), (909, 33050), (912, 33044), (928, 32996), (935, 32981),

Gene: Solosis_59 Start: 54029, Stop: 52170, Start Num: 197

Candidate Starts for Solosis_59:

(Start: 175 @54053 has 5 MA's), (Start: 197 @54029 has 267 MA's), (Start: 231 @54005 has 5 MA's), (Start: 243 @53999 has 2 MA's), (260, 53957), (267, 53936), (316, 53822), (319, 53816), (337, 53786), (371, 53726), (381, 53705), (399, 53651), (403, 53639), (409, 53621), (413, 53609), (445, 53504), (486, 53447), (499, 53411), (502, 53399), (512, 53372), (531, 53327), (553, 53270), (556, 53261), (557, 53258), (690, 52898), (696, 52865), (702, 52844), (729, 52751), (732, 52742), (747, 52679), (765, 52643), (766, 52640), (771, 52625), (796, 52547), (800, 52535), (806, 52514), (822, 52475), (857, 52385), (862, 52367), (864, 52361), (870, 52346), (879, 52322), (881, 52307), (882, 52304), (884, 52292), (892, 52268), (911, 52220), (922, 52196),

Gene: SonOfLevi_38 Start: 28701, Stop: 26749, Start Num: 216

Candidate Starts for SonOfLevi_38:

(Start: 216 @28701 has 3 MA's), (Start: 270 @28614 has 147 MA's), (Start: 276 @28605 has 5 MA's), (333, 28500), (336, 28491), (353, 28461), (355, 28458), (408, 28338), (412, 28326), (415, 28320), (449, 28215), (456, 28188), (493, 28047), (497, 28041), (498, 28038), (500, 28026), (508, 27999), (509, 27996), (514, 27981), (516, 27975), (518, 27969), (531, 27936), (602, 27807), (629, 27747), (728, 27432), (731, 27423), (732, 27420), (735, 27402), (746, 27360), (748, 27354), (756, 27330), (773, 27273), (820, 27114), (834, 27084), (836, 27075), (854, 27015), (858, 26991), (870, 26952), (879, 26919), (880, 26907), (896, 26847),

Gene: Soondubu_37 Start: 30879, Stop: 32723, Start Num: 229

Candidate Starts for Soondubu_37:

(Start: 229 @30879 has 918 MA's), (373, 31125), (394, 31176), (527, 31518), (543, 31560), (548, 31575), (553, 31587), (598, 31692), (605, 31704), (611, 31713), (669, 31851), (695, 31971), (704, 32001), (735, 32124), (742, 32154), (764, 32217), (766, 32226), (853, 32460), (857, 32484), (870,

32523), (875, 32535), (877, 32541), (880, 32559), (898, 32619),

Gene: Sooty_41 Start: 27604, Stop: 29586, Start Num: 229

Candidate Starts for Sooty_41:

(Start: 229 @27604 has 918 MA's), (327, 27778), (368, 27841), (383, 27874), (408, 27949), (483, 28177), (543, 28351), (611, 28507), (669, 28645), (689, 28732), (695, 28765), (704, 28795), (719, 28852), (735, 28918), (764, 29011), (857, 29278), (864, 29302), (898, 29413), (944, 29521),

Gene: Sopespian_41 Start: 32442, Stop: 30049, Start Num: 32

Candidate Starts for Sopespian_41:

(Start: 32 @32442 has 16 MA's), (42, 32436), (Start: 55 @32388 has 1 MA's), (66, 32346), (76, 32322), (116, 32196), (121, 32172), (156, 32127), (186, 32076), (198, 32061), (211, 32040), (251, 31992), (263, 31959), (266, 31950), (311, 31875), (315, 31863), (352, 31794), (368, 31767), (371, 31761), (379, 31746), (398, 31692), (399, 31689), (405, 31671), (412, 31650), (432, 31590), (469, 31467), (470, 31461), (489, 31392), (500, 31350), (547, 31263), (570, 31239), (586, 31233), (594, 31209), (599, 31200), (606, 31185), (612, 31173), (633, 31131), (634, 31128), (635, 31125), (685, 30978), (693, 30936), (701, 30909), (702, 30903), (735, 30774), (744, 30738), (746, 30732), (748, 30726), (750, 30720), (766, 30663), (773, 30639), (783, 30594), (895, 30216), (896, 30213), (910, 30168), (914, 30159), (935, 30099),

Gene: Sophia_59 Start: 54023, Stop: 52164, Start Num: 197

Candidate Starts for Sophia_59:

(Start: 175 @54047 has 5 MA's), (Start: 197 @54023 has 267 MA's), (Start: 231 @53999 has 5 MA's), (Start: 243 @53993 has 2 MA's), (260, 53951), (267, 53930), (316, 53816), (319, 53810), (337, 53780), (371, 53720), (381, 53699), (399, 53645), (403, 53633), (409, 53615), (413, 53603), (445, 53498), (486, 53441), (499, 53405), (502, 53393), (512, 53366), (531, 53321), (553, 53264), (556, 53255), (557, 53252), (664, 52994), (690, 52892), (696, 52859), (702, 52838), (729, 52745), (732, 52736), (747, 52673), (766, 52634), (771, 52619), (796, 52541), (800, 52529), (806, 52508), (822, 52469), (857, 52379), (862, 52361), (864, 52355), (870, 52340), (879, 52316), (881, 52301), (882, 52298), (884, 52286), (892, 52262), (911, 52214), (922, 52190),

Gene: SorJuana_54 Start: 36486, Stop: 34318, Start Num: 218

Candidate Starts for SorJuana_54:

(215, 36489), (Start: 218 @36486 has 13 MA's), (253, 36432), (291, 36348), (354, 36195), (359, 36186), (382, 36141), (403, 36063), (406, 36054), (411, 36039), (417, 36024), (418, 36021), (434, 35964), (461, 35871), (467, 35829), (523, 35634), (527, 35622), (529, 35616), (539, 35592), (546, 35571), (555, 35550), (559, 35535), (563, 35529), (591, 35466), (614, 35415), (644, 35328), (666, 35268), (678, 35220), (703, 35118), (704, 35112), (709, 35085), (710, 35082), (718, 35061), (729, 35019), (731, 35013), (736, 34989), (743, 34947), (744, 34944), (752, 34917), (760, 34884), (764, 34872), (774, 34836), (781, 34812), (783, 34806), (786, 34800), (803, 34746), (822, 34698), (823, 34695), (848, 34635), (853, 34611), (859, 34581), (876, 34527), (895, 34458), (898, 34446), (911, 34407),

Gene: SororFago_48 Start: 33066, Stop: 31273, Start Num: 229

Candidate Starts for SororFago_48:

(Start: 229 @33066 has 918 MA's), (Start: 244 @33057 has 1 MA's), (256, 33024), (296, 32955), (341, 32862), (382, 32787), (383, 32784), (402, 32730), (404, 32721), (441, 32601), (448, 32577), (500, 32484), (514, 32439), (566, 32316), (635, 32169), (666, 32118), (695, 31989), (705, 31941), (707, 31938), (714, 31923), (735, 31836), (758, 31776), (763, 31764), (765, 31755), (771, 31737), (792, 31671), (802, 31638), (811, 31611), (852, 31530), (853, 31521), (877, 31440), (881, 31419), (883, 31410), (898, 31362), (903, 31350), (909, 31341),

Gene: Sorpresa_44 Start: 34874, Stop: 33048, Start Num: 229

Candidate Starts for Sorpresa_44:

(Start: 229 @34874 has 918 MA's), (347, 34661), (354, 34646), (394, 34568), (400, 34547), (402, 34541), (404, 34532), (440, 34415), (448, 34388), (500, 34295), (504, 34280), (516, 34247), (539, 34196), (540, 34193), (566, 34127), (580, 34097), (592, 34067), (614, 34022), (635, 33983), (695, 33803), (705, 33755), (719, 33716), (735, 33650), (765, 33569), (766, 33566), (792, 33485), (853, 33335), (854, 33332), (861, 33296), (870, 33272), (874, 33263), (878, 33251), (898, 33176), (909, 33155),

Gene: Soshari_50 Start: 31880, Stop: 30066, Start Num: 229

Candidate Starts for Soshari_50:

(Start: 229 @31880 has 918 MA's), (255, 31841), (261, 31829), (341, 31676), (349, 31661), (382, 31604), (402, 31547), (404, 31538), (418, 31496), (432, 31445), (448, 31394), (487, 31340), (500, 31301), (516, 31253), (528, 31229), (543, 31190), (553, 31163), (566, 31133), (607, 31040), (614, 31028), (639, 30980), (649, 30965), (695, 30809), (707, 30758), (718, 30725), (719, 30722), (735, 30656), (745, 30617), (766, 30545), (777, 30506), (786, 30482), (792, 30464), (802, 30431), (840, 30350), (857, 30290), (883, 30203), (898, 30155), (903, 30143), (909, 30134), (911, 30131),

Gene: Soto_59 Start: 53590, Stop: 51731, Start Num: 197

Candidate Starts for Soto_59:

(Start: 175 @53614 has 5 MA's), (Start: 197 @53590 has 267 MA's), (Start: 231 @53566 has 5 MA's), (Start: 243 @53560 has 2 MA's), (253, 53533), (260, 53518), (267, 53497), (316, 53383), (319, 53377), (337, 53347), (371, 53287), (381, 53266), (399, 53212), (403, 53200), (409, 53182), (413, 53170), (445, 53065), (486, 53008), (499, 52972), (502, 52960), (512, 52933), (516, 52924), (531, 52888), (553, 52831), (556, 52822), (557, 52819), (558, 52816), (690, 52459), (696, 52426), (702, 52405), (729, 52312), (732, 52303), (747, 52240), (765, 52204), (766, 52201), (771, 52186), (796, 52108), (800, 52096), (806, 52075), (822, 52036), (857, 51946), (862, 51928), (864, 51922), (870, 51907), (879, 51883), (881, 51868), (882, 51865), (884, 51853), (892, 51829), (911, 51781), (922, 51757),

Gene: Soups_47 Start: 29943, Stop: 28153, Start Num: 229

Candidate Starts for Soups_47:

(Start: 229 @29943 has 918 MA's), (327, 29769), (382, 29664), (383, 29661), (394, 29634), (402, 29607), (418, 29556), (448, 29454), (500, 29361), (514, 29316), (516, 29313), (519, 29304), (588, 29142), (598, 29115), (611, 29094), (614, 29088), (669, 28989), (678, 28950), (690, 28899), (695, 28869), (707, 28818), (718, 28785), (726, 28752), (728, 28746), (735, 28716), (758, 28656), (765, 28635), (777, 28593), (787, 28566), (792, 28551), (823, 28464), (853, 28401), (854, 28398), (898, 28242), (903, 28230), (911, 28218),

Gene: Sour_53 Start: 49160, Stop: 47364, Start Num: 243

Candidate Starts for Sour_53:

(Start: 231 @49166 has 5 MA's), (Start: 243 @49160 has 2 MA's), (253, 49133), (258, 49121), (260, 49118), (273, 49088), (337, 48962), (395, 48842), (408, 48803), (413, 48788), (439, 48713), (445, 48695), (499, 48602), (516, 48554), (549, 48473), (557, 48449), (567, 48425), (586, 48383), (627, 48302), (631, 48284), (679, 48137), (696, 48062), (727, 47957), (729, 47951), (732, 47942), (747, 47879), (766, 47840), (767, 47837), (771, 47825), (796, 47747), (800, 47735), (806, 47714), (808, 47705), (827, 47666), (849, 47630), (852, 47618), (857, 47585), (858, 47582), (879, 47522), (881, 47507), (892, 47462), (911, 47414), (922, 47390),

Gene: Spartan300_60 Start: 54251, Stop: 52392, Start Num: 197

Candidate Starts for Spartan300_60:

(Start: 175 @54275 has 5 MA's), (Start: 197 @54251 has 267 MA's), (Start: 231 @54227 has 5 MA's), (Start: 243 @54221 has 2 MA's), (260, 54179), (267, 54158), (316, 54044), (319, 54038), (337, 54008), (371, 53948), (381, 53927), (399, 53873), (403, 53861), (409, 53843), (413, 53831), (445,

53726), (486, 53669), (499, 53633), (502, 53621), (511, 53597), (516, 53585), (524, 53567), (531, 53549), (539, 53531), (553, 53492), (556, 53483), (557, 53480), (558, 53477), (690, 53120), (696, 53087), (702, 53066), (729, 52973), (732, 52964), (747, 52901), (765, 52865), (766, 52862), (771, 52847), (796, 52769), (800, 52757), (806, 52736), (822, 52697), (857, 52607), (862, 52589), (864, 52583), (870, 52568), (879, 52544), (881, 52529), (882, 52526), (884, 52514), (892, 52490), (911, 52442), (922, 52418),

Gene: Sparxx_46 Start: 31565, Stop: 29739, Start Num: 229

Candidate Starts for Sparxx_46:

(Start: 229 @31565 has 918 MA's), (250, 31544), (261, 31514), (273, 31484), (365, 31322), (376, 31304), (402, 31232), (404, 31223), (441, 31103), (448, 31079), (500, 30986), (517, 30938), (528, 30917), (543, 30878), (611, 30725), (635, 30680), (640, 30668), (692, 30515), (695, 30494), (728, 30371), (735, 30341), (745, 30302), (765, 30236), (766, 30233), (771, 30218), (777, 30194), (786, 30170), (857, 29963), (898, 29828), (903, 29816), (909, 29807),

Gene: SpecialK_46 Start: 27587, Stop: 29569, Start Num: 229

Candidate Starts for SpecialK_46:

(Start: 229 @27587 has 918 MA's), (327, 27761), (341, 27791), (368, 27824), (383, 27857), (408, 27932), (417, 27959), (483, 28160), (543, 28334), (611, 28490), (669, 28628), (689, 28715), (695, 28748), (704, 28778), (719, 28835), (735, 28901), (764, 28994), (857, 29261), (864, 29285), (898, 29396), (944, 29504),

Gene: Spike509_48 Start: 31881, Stop: 30067, Start Num: 229

Candidate Starts for Spike509_48:

(Start: 229 @31881 has 918 MA's), (255, 31842), (261, 31830), (341, 31677), (349, 31662), (382, 31605), (402, 31548), (404, 31539), (418, 31497), (432, 31446), (448, 31395), (487, 31341), (500, 31302), (516, 31254), (528, 31230), (543, 31191), (553, 31164), (566, 31134), (607, 31041), (614, 31029), (639, 30981), (649, 30966), (695, 30810), (707, 30759), (718, 30726), (719, 30723), (735, 30657), (745, 30618), (766, 30546), (777, 30507), (786, 30483), (792, 30465), (802, 30432), (840, 30351), (857, 30291), (883, 30204), (898, 30156), (903, 30144), (909, 30135), (911, 30132),

Gene: SpikeBT_45 Start: 35111, Stop: 33285, Start Num: 229

Candidate Starts for SpikeBT_45:

(Start: 229 @35111 has 918 MA's), (347, 34898), (382, 34835), (394, 34805), (400, 34784), (402, 34778), (404, 34769), (440, 34652), (448, 34625), (500, 34532), (504, 34517), (516, 34484), (539, 34433), (540, 34430), (560, 34376), (566, 34364), (580, 34334), (592, 34304), (614, 34259), (635, 34220), (695, 34040), (704, 34010), (705, 33992), (707, 33989), (719, 33953), (735, 33887), (765, 33806), (766, 33803), (792, 33722), (853, 33572), (854, 33569), (861, 33533), (870, 33509), (874, 33500), (878, 33488), (898, 33413), (909, 33392),

Gene: Spino_44 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for Spino_44:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Spouty_45 Start: 31549, Stop: 29756, Start Num: 229

Candidate Starts for Spouty_45:

(Start: 229 @31549 has 918 MA's), (Start: 244 @31540 has 1 MA's), (261, 31498), (325, 31378), (327, 31375), (350, 31327), (383, 31267), (395, 31237), (398, 31225), (402, 31213), (448, 31060), (500, 30967), (553, 30829), (566, 30799), (640, 30640), (649, 30628), (666, 30601), (692, 30493), (695,

30472), (732, 30337), (735, 30319), (765, 30238), (777, 30196), (802, 30121), (837, 30046), (853, 30004), (881, 29902), (898, 29845), (903, 29833), (909, 29824),

Gene: Squee_44 Start: 34851, Stop: 33025, Start Num: 229

Candidate Starts for Squee_44:

(Start: 229 @34851 has 918 MA's), (347, 34638), (354, 34623), (382, 34575), (394, 34545), (400, 34524), (402, 34518), (404, 34509), (440, 34392), (448, 34365), (500, 34272), (504, 34257), (539, 34173), (540, 34170), (566, 34104), (580, 34074), (592, 34044), (614, 33999), (635, 33960), (695, 33780), (704, 33750), (705, 33732), (707, 33729), (719, 33693), (735, 33627), (765, 33546), (766, 33543), (792, 33462), (853, 33312), (854, 33309), (861, 33273), (870, 33249), (874, 33240), (878, 33228), (898, 33153), (909, 33132),

Gene: Squid_60 Start: 54035, Stop: 52176, Start Num: 197

Candidate Starts for Squid_60:

(Start: 175 @54059 has 5 MA's), (Start: 197 @54035 has 267 MA's), (Start: 231 @54011 has 5 MA's), (Start: 243 @54005 has 2 MA's), (260, 53963), (267, 53942), (316, 53828), (319, 53822), (337, 53792), (371, 53732), (381, 53711), (399, 53657), (403, 53645), (409, 53627), (413, 53615), (445, 53510), (486, 53453), (499, 53417), (502, 53405), (512, 53378), (524, 53351), (531, 53333), (539, 53315), (553, 53276), (556, 53267), (557, 53264), (664, 53006), (690, 52904), (696, 52871), (702, 52850), (729, 52757), (732, 52748), (747, 52685), (765, 52649), (766, 52646), (771, 52631), (796, 52553), (800, 52541), (806, 52520), (822, 52481), (857, 52391), (862, 52373), (864, 52367), (870, 52352), (879, 52328), (881, 52313), (882, 52310), (884, 52298), (892, 52274), (911, 52226), (922, 52202),

Gene: Squiggle_61 Start: 54043, Stop: 52184, Start Num: 197

Candidate Starts for Squiggle_61:

(Start: 175 @54067 has 5 MA's), (Start: 197 @54043 has 267 MA's), (Start: 231 @54019 has 5 MA's), (Start: 243 @54013 has 2 MA's), (260, 53971), (267, 53950), (316, 53836), (319, 53830), (337, 53800), (371, 53740), (381, 53719), (399, 53665), (403, 53653), (409, 53635), (413, 53623), (445, 53518), (486, 53461), (499, 53425), (502, 53413), (512, 53386), (531, 53341), (553, 53284), (556, 53275), (557, 53272), (690, 52912), (696, 52879), (702, 52858), (729, 52765), (732, 52756), (747, 52693), (765, 52657), (766, 52654), (771, 52639), (796, 52561), (800, 52549), (806, 52528), (822, 52489), (854, 52420), (857, 52399), (862, 52381), (864, 52375), (870, 52360), (879, 52336), (881, 52321), (882, 52318), (884, 52306), (892, 52282), (911, 52234), (922, 52210),

Gene: Squirrel_40 Start: 28105, Stop: 29988, Start Num: 220

Candidate Starts for Squirrel_40:

(220, 28105), (250, 28126), (266, 28174), (280, 28195), (341, 28312), (382, 28375), (394, 28405), (400, 28426), (404, 28441), (408, 28453), (437, 28534), (442, 28549), (510, 28705), (524, 28735), (543, 28786), (550, 28807), (554, 28816), (595, 28915), (695, 29203), (698, 29209), (714, 29269), (719, 29290), (726, 29320), (729, 29329), (735, 29356), (764, 29449), (771, 29473), (792, 29539), (793, 29542), (821, 29620), (823, 29626), (849, 29671), (864, 29740), (877, 29773), (879, 29779), (880, 29791), (881, 29794), (898, 29851), (905, 29866), (909, 29872), (943, 29953),

Gene: StAugustine_89 Start: 66670, Stop: 64871, Start Num: 238

Candidate Starts for StAugustine_89:

(Start: 238 @66670 has 44 MA's), (253, 66637), (260, 66622), (264, 66610), (279, 66583), (288, 66565), (305, 66538), (360, 66445), (371, 66427), (380, 66409), (399, 66352), (418, 66301), (486, 66160), (498, 66133), (499, 66124), (544, 66010), (557, 65971), (570, 65941), (579, 65923), (627, 65809), (664, 65704), (669, 65689), (690, 65602), (696, 65569), (699, 65563), (727, 65461), (729, 65455), (732, 65446), (765, 65347), (766, 65344), (771, 65329), (775, 65314), (796, 65251), (800, 65239), (806, 65218), (852, 65122), (857, 65089), (879, 65026), (884, 64996), (886, 64990), (888, 64984), (892, 64972), (910, 64924), (922, 64897), (924, 64882), (925, 64876),

Gene: StCroix_36 Start: 28126, Stop: 26342, Start Num: 229

Candidate Starts for StCroix_36:

(Start: 229 @28126 has 918 MA's), (361, 27892), (378, 27862), (381, 27853), (382, 27850), (398, 27805), (402, 27793), (418, 27742), (448, 27640), (477, 27619), (500, 27547), (514, 27502), (516, 27499), (536, 27457), (538, 27451), (543, 27436), (553, 27409), (598, 27304), (603, 27295), (614, 27277), (615, 27274), (635, 27238), (695, 27058), (705, 27010), (735, 26905), (736, 26902), (758, 26845), (765, 26824), (804, 26701), (840, 26626), (853, 26590), (857, 26566), (881, 26488), (898, 26431), (903, 26419), (923, 26380), (925, 26362),

Gene: Stagni_48 Start: 31855, Stop: 30041, Start Num: 229

Candidate Starts for Stagni_48:

(Start: 229 @31855 has 918 MA's), (255, 31816), (261, 31804), (341, 31651), (349, 31636), (382, 31579), (402, 31522), (404, 31513), (418, 31471), (432, 31420), (448, 31369), (500, 31276), (516, 31228), (519, 31219), (528, 31204), (543, 31165), (553, 31138), (566, 31108), (607, 31015), (639, 30955), (649, 30940), (695, 30784), (719, 30697), (735, 30631), (745, 30592), (766, 30520), (777, 30481), (786, 30457), (792, 30439), (802, 30406), (811, 30379), (840, 30325), (857, 30265), (881, 30187), (898, 30130), (903, 30118), (909, 30109),

Gene: Stanktossa_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Stanktossa_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: StarStuff_47 Start: 31156, Stop: 29333, Start Num: 229

Candidate Starts for StarStuff_47:

(Start: 229 @31156 has 918 MA's), (341, 30952), (354, 30928), (365, 30910), (376, 30892), (382, 30877), (383, 30874), (394, 30847), (402, 30820), (418, 30769), (448, 30667), (500, 30574), (516, 30526), (519, 30517), (527, 30505), (553, 30436), (580, 30376), (635, 30262), (649, 30238), (667, 30199), (695, 30073), (707, 30022), (719, 29986), (735, 29920), (745, 29881), (766, 29812), (777, 29773), (793, 29728), (802, 29698), (828, 29635), (837, 29623), (840, 29617), (857, 29557), (898, 29422), (903, 29410), (909, 29401),

Gene: Stasia_44 Start: 31442, Stop: 29613, Start Num: 229

Candidate Starts for Stasia_44:

(159, 31535), (167, 31520), (169, 31517), (176, 31502), (Start: 229 @31442 has 918 MA's), (261, 31391), (273, 31361), (365, 31199), (376, 31181), (382, 31166), (402, 31109), (404, 31100), (441, 30980), (448, 30956), (500, 30863), (517, 30815), (528, 30794), (543, 30755), (598, 30623), (603, 30614), (611, 30602), (635, 30557), (692, 30392), (695, 30371), (728, 30248), (735, 30218), (745, 30179), (765, 30110), (766, 30107), (771, 30092), (777, 30068), (786, 30044), (788, 30038), (793, 30023), (857, 29837), (898, 29702), (903, 29690), (909, 29681),

Gene: SteamedHams_43 Start: 32003, Stop: 29616, Start Num: 39

Candidate Starts for SteamedHams_43:

(16, 32075), (19, 32060), (Start: 39 @32003 has 23 MA's), (44, 31994), (46, 31988), (66, 31907), (106, 31787), (121, 31736), (211, 31604), (241, 31577), (248, 31562), (266, 31514), (283, 31484), (311, 31439), (352, 31361), (379, 31313), (398, 31259), (399, 31256), (405, 31238), (412, 31217), (429, 31166), (432, 31157), (433, 31154), (456, 31079), (469, 31034), (484, 30974), (489, 30959), (513,

30875), (547, 30830), (570, 30806), (586, 30800), (594, 30776), (633, 30698), (634, 30695), (635, 30692), (685, 30545), (701, 30476), (726, 30377), (735, 30341), (744, 30305), (746, 30299), (748, 30293), (750, 30287), (757, 30263), (766, 30230), (773, 30206), (783, 30161), (801, 30101), (854, 29948), (862, 29909), (863, 29906), (896, 29780), (910, 29735), (914, 29726),

Gene: Steamy_41 Start: 30942, Stop: 29098, Start Num: 229

Candidate Starts for Steamy_41:

(103, 31173), (127, 31104), (Start: 229 @30942 has 918 MA's), (250, 30921), (254, 30906), (260, 30894), (327, 30768), (347, 30729), (373, 30684), (383, 30660), (394, 30633), (402, 30606), (408, 30585), (448, 30453), (500, 30360), (516, 30312), (519, 30303), (528, 30288), (553, 30222), (667, 29982), (682, 29919), (695, 29856), (707, 29805), (719, 29769), (728, 29733), (735, 29703), (745, 29664), (758, 29643), (765, 29622), (802, 29505), (822, 29454), (828, 29442), (853, 29388), (854, 29385), (857, 29364), (877, 29307), (881, 29286), (889, 29259), (898, 29229), (903, 29217), (925, 29160),

Gene: StepMih_48 Start: 31846, Stop: 30032, Start Num: 229

Candidate Starts for StepMih_48:

(Start: 229 @31846 has 918 MA's), (255, 31807), (261, 31795), (341, 31642), (349, 31627), (382, 31570), (402, 31513), (404, 31504), (418, 31462), (432, 31411), (448, 31360), (500, 31267), (516, 31219), (519, 31210), (528, 31195), (543, 31156), (553, 31129), (566, 31099), (607, 31006), (639, 30946), (649, 30931), (695, 30775), (719, 30688), (735, 30622), (745, 30583), (766, 30511), (777, 30472), (786, 30448), (792, 30430), (802, 30397), (811, 30370), (840, 30316), (857, 30256), (881, 30178), (898, 30121), (903, 30109), (909, 30100),

Gene: Stephig9_43 Start: 30581, Stop: 28737, Start Num: 229

Candidate Starts for Stephig9_43:

(120, 30764), (128, 30746), (Start: 229 @30581 has 918 MA's), (261, 30530), (327, 30407), (341, 30377), (365, 30338), (382, 30305), (394, 30275), (400, 30254), (402, 30248), (404, 30239), (418, 30197), (432, 30146), (447, 30098), (448, 30095), (500, 29999), (508, 29972), (516, 29951), (519, 29942), (543, 29888), (553, 29861), (576, 29813), (588, 29783), (598, 29756), (614, 29729), (640, 29678), (650, 29663), (692, 29516), (695, 29495), (704, 29465), (705, 29447), (707, 29444), (714, 29429), (719, 29408), (723, 29399), (728, 29372), (732, 29360), (735, 29342), (765, 29261), (786, 29195), (798, 29159), (808, 29123), (823, 29090), (837, 29069), (840, 29063), (854, 29024), (857, 29003), (862, 28985), (898, 28868), (903, 28856),

Gene: StewieG_44 Start: 32301, Stop: 30472, Start Num: 229

Candidate Starts for StewieG_44:

(Start: 229 @32301 has 918 MA's), (347, 32088), (354, 32073), (382, 32025), (394, 31995), (400, 31974), (402, 31968), (404, 31959), (440, 31842), (448, 31815), (500, 31722), (504, 31707), (516, 31674), (539, 31623), (540, 31620), (566, 31554), (580, 31524), (592, 31494), (614, 31449), (635, 31410), (695, 31230), (705, 31182), (723, 31134), (732, 31095), (735, 31077), (745, 31038), (758, 31017), (765, 30996), (770, 30981), (808, 30858), (875, 30687), (880, 30663), (895, 30615), (898, 30603), (909, 30582), (912, 30576), (928, 30528), (935, 30513),

Gene: StingRay_38 Start: 28635, Stop: 26770, Start Num: 270

Candidate Starts for StingRay_38:

(Start: 216 @28722 has 3 MA's), (219, 28719), (Start: 270 @28635 has 147 MA's), (Start: 276 @28626 has 5 MA's), (333, 28521), (336, 28512), (353, 28482), (355, 28479), (408, 28359), (412, 28347), (415, 28341), (449, 28236), (456, 28209), (493, 28068), (497, 28062), (498, 28059), (500, 28047), (508, 28020), (509, 28017), (514, 28002), (516, 27996), (518, 27990), (531, 27957), (602, 27828), (629, 27768), (728, 27453), (731, 27444), (732, 27441), (735, 27423), (746, 27381), (748, 27375), (751, 27366), (756, 27351), (773, 27294), (820, 27135), (834, 27105), (836, 27096), (854, 27036), (858, 27012), (870, 26973), (879, 26940), (880, 26928), (896, 26868),

Gene: Stinger_54 Start: 52910, Stop: 51081, Start Num: 182

Candidate Starts for Stinger_54:

(Start: 182 @52910 has 1 MA's), (Start: 243 @52880 has 2 MA's), (253, 52853), (260, 52838), (267, 52817), (308, 52730), (316, 52712), (368, 52625), (381, 52598), (386, 52583), (409, 52517), (413, 52505), (420, 52487), (422, 52478), (425, 52475), (426, 52472), (434, 52445), (486, 52352), (493, 52334), (499, 52316), (502, 52304), (512, 52277), (556, 52166), (557, 52163), (570, 52133), (578, 52118), (586, 52097), (626, 52019), (677, 51869), (684, 51833), (691, 51803), (696, 51776), (727, 51668), (729, 51662), (732, 51653), (763, 51563), (765, 51554), (766, 51551), (771, 51536), (796, 51458), (800, 51446), (806, 51425), (808, 51416), (822, 51386), (852, 51329), (857, 51296), (862, 51278), (864, 51272), (875, 51245), (879, 51233), (881, 51218), (882, 51215), (884, 51203), (892, 51179), (908, 51137), (911, 51131), (922, 51107),

Gene: Stink_45 Start: 31990, Stop: 30161, Start Num: 229

Candidate Starts for Stink_45:

(Start: 229 @31990 has 918 MA's), (261, 31939), (273, 31909), (365, 31747), (376, 31729), (402, 31657), (404, 31648), (441, 31528), (448, 31504), (500, 31411), (517, 31363), (528, 31342), (543, 31303), (560, 31258), (564, 31252), (598, 31171), (603, 31162), (611, 31150), (635, 31105), (640, 31093), (695, 30919), (723, 30823), (728, 30796), (729, 30793), (735, 30766), (745, 30727), (765, 30658), (766, 30655), (771, 30640), (777, 30616), (786, 30592), (788, 30586), (857, 30385), (898, 30250), (903, 30238), (909, 30229),

Gene: StinkyVeggy_58 Start: 54598, Stop: 52751, Start Num: 180

Candidate Starts for StinkyVeggy_58:

(17, 55093), (19, 55087), (30, 55036), (34, 55018), (50, 54961), (88, 54817), (144, 54664), (180, 54598), (Start: 242 @54550 has 4 MA's), (253, 54523), (277, 54472), (298, 54451), (316, 54397), (345, 54352), (373, 54301), (409, 54202), (425, 54160), (436, 54124), (445, 54094), (499, 54001), (502, 53989), (511, 53965), (516, 53953), (524, 53935), (549, 53872), (557, 53848), (603, 53743), (655, 53620), (677, 53554), (679, 53536), (691, 53488), (696, 53461), (727, 53353), (729, 53347), (732, 53338), (736, 53317), (759, 53254), (766, 53221), (771, 53206), (790, 53146), (796, 53128), (800, 53116), (806, 53095), (808, 53086), (810, 53083), (816, 53071), (857, 52966), (862, 52948), (864, 52942), (879, 52903), (881, 52888), (882, 52885), (888, 52861), (892, 52849), (893, 52846), (912, 52798), (922, 52777),

Gene: StirfryIV_38 Start: 28628, Stop: 26763, Start Num: 270

Candidate Starts for StirfryIV_38:

(Start: 216 @28715 has 3 MA's), (219, 28712), (Start: 270 @28628 has 147 MA's), (Start: 276 @28619 has 5 MA's), (333, 28514), (336, 28505), (353, 28475), (355, 28472), (408, 28352), (412, 28340), (415, 28334), (449, 28229), (456, 28202), (493, 28061), (497, 28055), (498, 28052), (500, 28040), (508, 28013), (509, 28010), (514, 27995), (516, 27989), (518, 27983), (531, 27950), (602, 27821), (629, 27761), (728, 27446), (731, 27437), (732, 27434), (735, 27416), (746, 27374), (748, 27368), (751, 27359), (756, 27344), (773, 27287), (820, 27128), (834, 27098), (836, 27089), (854, 27029), (858, 27005), (870, 26966), (879, 26933), (880, 26921), (896, 26861),

Gene: Stoor_43 Start: 30807, Stop: 32681, Start Num: 229

Candidate Starts for Stoor_43:

(Start: 229 @30807 has 918 MA's), (266, 30876), (280, 30897), (404, 31143), (409, 31158), (418, 31185), (501, 31371), (510, 31398), (516, 31413), (543, 31479), (648, 31713), (682, 31833), (683, 31836), (695, 31896), (698, 31902), (707, 31947), (714, 31962), (716, 31977), (726, 32013), (735, 32049), (764, 32142), (793, 32235), (821, 32313), (822, 32316), (853, 32385), (857, 32409), (861, 32424), (877, 32466), (880, 32484), (898, 32544), (909, 32565),

Gene: Stormbreaker8_38 Start: 29054, Stop: 27189, Start Num: 270

Candidate Starts for Stormbreaker8_38:

(Start: 270 @29054 has 147 MA's), (Start: 276 @29045 has 5 MA's), (407, 28781), (412, 28766), (415, 28760), (456, 28628), (471, 28574), (474, 28562), (493, 28487), (498, 28478), (500, 28466), (508, 28439), (509, 28436), (514, 28421), (516, 28415), (521, 28403), (547, 28334), (670, 28085), (728, 27872), (731, 27863), (732, 27860), (735, 27842), (746, 27800), (773, 27713), (820, 27554), (834, 27524), (854, 27455), (858, 27431), (870, 27392), (879, 27359), (880, 27347),

Gene: Strathdee_39 Start: 28935, Stop: 27070, Start Num: 270

Candidate Starts for Strathdee_39:

(Start: 216 @29022 has 3 MA's), (219, 29019), (Start: 270 @28935 has 147 MA's), (Start: 276 @28926 has 5 MA's), (333, 28821), (336, 28812), (353, 28782), (355, 28779), (408, 28659), (412, 28647), (415, 28641), (449, 28536), (456, 28509), (493, 28368), (497, 28362), (498, 28359), (500, 28347), (508, 28320), (509, 28317), (514, 28302), (516, 28296), (518, 28290), (531, 28257), (602, 28128), (629, 28068), (661, 27993), (728, 27753), (731, 27744), (732, 27741), (735, 27723), (746, 27681), (748, 27675), (751, 27666), (756, 27651), (773, 27594), (820, 27435), (834, 27405), (836, 27396), (854, 27336), (858, 27312), (870, 27273), (879, 27240), (880, 27228), (896, 27168),

Gene: Stromboli_43 Start: 30669, Stop: 32543, Start Num: 229

Candidate Starts for Stromboli_43:

(Start: 229 @30669 has 918 MA's), (266, 30738), (280, 30759), (404, 31005), (409, 31020), (418, 31047), (510, 31260), (516, 31275), (543, 31341), (648, 31575), (682, 31695), (683, 31698), (695, 31758), (698, 31764), (707, 31809), (714, 31824), (716, 31839), (726, 31875), (735, 31911), (764, 32004), (793, 32097), (821, 32175), (822, 32178), (853, 32247), (857, 32271), (861, 32286), (877, 32328), (880, 32346), (898, 32406), (909, 32427),

Gene: StrongArm_44 Start: 35747, Stop: 33960, Start Num: 229

Candidate Starts for StrongArm_44:

(Start: 229 @35747 has 918 MA's), (347, 35534), (382, 35471), (394, 35441), (400, 35420), (402, 35414), (404, 35405), (440, 35288), (448, 35261), (500, 35168), (504, 35153), (516, 35120), (539, 35069), (540, 35066), (566, 35000), (580, 34970), (592, 34940), (614, 34895), (635, 34856), (695, 34676), (705, 34628), (719, 34589), (735, 34523), (763, 34451), (765, 34442), (792, 34358), (823, 34271), (870, 34145), (875, 34133), (891, 34073), (898, 34049), (901, 34043),

Gene: Strosahl_47 Start: 29659, Stop: 27869, Start Num: 229

Candidate Starts for Strosahl_47:

(Start: 229 @29659 has 918 MA's), (327, 29485), (382, 29380), (383, 29377), (394, 29350), (402, 29323), (418, 29272), (448, 29170), (500, 29077), (514, 29032), (516, 29029), (519, 29020), (588, 28858), (598, 28831), (611, 28810), (614, 28804), (669, 28705), (678, 28666), (690, 28615), (695, 28585), (707, 28534), (718, 28501), (728, 28462), (735, 28432), (758, 28372), (765, 28351), (777, 28309), (787, 28282), (823, 28180), (853, 28117), (854, 28114), (898, 27958), (903, 27946), (911, 27934),

Gene: Struggle_61 Start: 54120, Stop: 52261, Start Num: 197

Candidate Starts for Struggle_61:

(Start: 175 @54144 has 5 MA's), (Start: 197 @54120 has 267 MA's), (Start: 231 @54096 has 5 MA's), (Start: 243 @54090 has 2 MA's), (260, 54048), (267, 54027), (316, 53913), (319, 53907), (337, 53877), (371, 53817), (381, 53796), (399, 53742), (403, 53730), (409, 53712), (413, 53700), (445, 53595), (486, 53538), (499, 53502), (502, 53490), (511, 53466), (516, 53454), (524, 53436), (531, 53418), (539, 53400), (553, 53361), (556, 53352), (557, 53349), (558, 53346), (690, 52989), (696, 52956), (702, 52935), (729, 52842), (732, 52833), (747, 52770), (765, 52734), (766, 52731), (771, 52716), (796, 52638), (800, 52626), (806, 52605), (822, 52566), (857, 52476), (862, 52458), (864, 52452), (870, 52437), (879, 52413), (881, 52398), (882, 52395), (884, 52383), (892, 52359), (898, 52338), (911, 52311), (922, 52287), (924, 52272),

Gene: SuMoo_50 Start: 32117, Stop: 33982, Start Num: 227

Candidate Starts for SuMoo_50:

(Start: 227 @32117 has 8 MA's), (421, 32504), (514, 32750), (543, 32819), (611, 32972), (643, 33035), (678, 33149), (695, 33230), (712, 33293), (726, 33347), (736, 33386), (793, 33569), (823, 33653), (879, 33806), (898, 33878), (914, 33908),

Gene: Success_19 Start: 11835, Stop: 10045, Start Num: 229

Candidate Starts for Success_19:

(Start: 229 @11835 has 918 MA's), (341, 11634), (347, 11625), (394, 11532), (402, 11505), (408, 11484), (418, 11454), (422, 11439), (448, 11352), (497, 11274), (500, 11259), (543, 11142), (611, 10989), (643, 10944), (652, 10929), (695, 10773), (711, 10710), (714, 10704), (725, 10659), (726, 10653), (735, 10617), (765, 10536), (778, 10491), (875, 10227), (891, 10167), (898, 10143), (925, 10074), (927, 10071),

Gene: Sue2_42 Start: 30222, Stop: 32132, Start Num: 229

Candidate Starts for Sue2_42:

(133, 30078), (157, 30132), (Start: 229 @30222 has 918 MA's), (260, 30270), (364, 30453), (368, 30459), (394, 30519), (421, 30609), (501, 30861), (504, 30870), (540, 30960), (543, 30969), (553, 30996), (567, 31029), (611, 31122), (640, 31179), (669, 31260), (695, 31380), (704, 31410), (714, 31446), (719, 31467), (728, 31503), (735, 31533), (764, 31626), (825, 31806), (837, 31827), (857, 31893), (898, 32028),

Gene: Suffolk_59 Start: 53538, Stop: 51679, Start Num: 197

Candidate Starts for Suffolk_59:

(Start: 175 @53562 has 5 MA's), (Start: 197 @53538 has 267 MA's), (Start: 231 @53514 has 5 MA's), (Start: 243 @53508 has 2 MA's), (260, 53466), (267, 53445), (316, 53331), (319, 53325), (337, 53295), (371, 53235), (381, 53214), (399, 53160), (403, 53148), (409, 53130), (413, 53118), (445, 53013), (486, 52956), (499, 52920), (502, 52908), (511, 52884), (516, 52872), (524, 52854), (531, 52836), (539, 52818), (553, 52779), (556, 52770), (557, 52767), (558, 52764), (690, 52407), (696, 52374), (702, 52353), (729, 52260), (732, 52251), (747, 52188), (765, 52152), (766, 52149), (771, 52134), (796, 52056), (800, 52044), (806, 52023), (822, 51984), (857, 51894), (862, 51876), (864, 51870), (870, 51855), (879, 51831), (881, 51816), (882, 51813), (884, 51801), (892, 51777), (911, 51729), (922, 51705),

Gene: Suigeneris_59 Start: 54668, Stop: 52842, Start Num: 189

Candidate Starts for Suigeneris_59:

(Start: 189 @54668 has 57 MA's), (253, 54614), (286, 54554), (345, 54443), (371, 54395), (409, 54293), (420, 54263), (425, 54251), (436, 54215), (445, 54185), (499, 54092), (502, 54080), (511, 54056), (516, 54044), (524, 54026), (549, 53963), (557, 53939), (558, 53936), (603, 53834), (677, 53645), (679, 53627), (684, 53609), (691, 53579), (696, 53552), (727, 53444), (729, 53438), (732, 53429), (736, 53408), (759, 53345), (766, 53312), (771, 53297), (790, 53237), (796, 53219), (800, 53207), (806, 53186), (808, 53177), (810, 53174), (857, 53057), (864, 53033), (879, 52994), (881, 52979), (882, 52976), (888, 52952), (892, 52940), (893, 52937), (898, 52919), (912, 52889), (922, 52868), (925, 52847),

Gene: SummitAcademy_44 Start: 33992, Stop: 31611, Start Num: 41

Candidate Starts for SummitAcademy_44:

(Start: 41 @33992 has 13 MA's), (58, 33932), (71, 33890), (83, 33851), (121, 33731), (132, 33710), (156, 33686), (205, 33608), (210, 33602), (211, 33599), (Start: 243 @33569 has 2 MA's), (262, 33521), (274, 33494), (Start: 276 @33491 has 5 MA's), (311, 33434), (333, 33395), (342, 33374), (366, 33332), (379, 33308), (382, 33299), (384, 33293), (386, 33287), (398, 33254), (405, 33233), (412, 33212), (469, 33029), (489, 32954), (500, 32912), (547, 32825), (586, 32801), (594, 32777),

(599, 32768), (609, 32747), (634, 32696), (635, 32693), (642, 32678), (654, 32657), (688, 32531), (699, 32483), (701, 32474), (712, 32432), (735, 32339), (744, 32303), (746, 32297), (748, 32291), (750, 32285), (766, 32228), (773, 32204), (801, 32099), (802, 32096), (838, 32003), (844, 31985), (854, 31946), (863, 31904), (871, 31880), (879, 31850), (888, 31802), (896, 31778), (910, 31733), (933, 31667), (944, 31646), (945, 31640), (949, 31634),

Gene: Sumter_42 Start: 34474, Stop: 32645, Start Num: 229

Candidate Starts for Sumter_42:

(Start: 229 @34474 has 918 MA's), (347, 34261), (354, 34246), (394, 34168), (400, 34147), (402, 34141), (404, 34132), (440, 34015), (448, 33988), (500, 33895), (504, 33880), (516, 33847), (539, 33796), (540, 33793), (560, 33739), (566, 33727), (580, 33697), (592, 33667), (614, 33622), (635, 33583), (695, 33403), (705, 33355), (723, 33307), (732, 33268), (735, 33250), (745, 33211), (758, 33190), (765, 33169), (770, 33154), (808, 33031), (875, 32860), (880, 32836), (895, 32788), (898, 32776), (909, 32755), (912, 32749), (928, 32701), (935, 32686),

Gene: Sunhee_47 Start: 31200, Stop: 29407, Start Num: 229

Candidate Starts for Sunhee_47:

(Start: 229 @31200 has 918 MA's), (Start: 244 @31191 has 1 MA's), (261, 31149), (327, 31026), (347, 30987), (350, 30978), (383, 30918), (402, 30864), (441, 30735), (448, 30711), (500, 30618), (514, 30573), (566, 30450), (666, 30252), (695, 30123), (728, 30000), (735, 29970), (758, 29910), (765, 29889), (769, 29877), (802, 29772), (808, 29751), (853, 29655), (877, 29574), (881, 29553), (883, 29544), (898, 29496), (903, 29484), (909, 29475),

Gene: SunnyD_45 Start: 28854, Stop: 30725, Start Num: 229

Candidate Starts for SunnyD_45:

(Start: 229 @28854 has 918 MA's), (266, 28923), (280, 28944), (404, 29187), (408, 29199), (412, 29211), (415, 29217), (437, 29283), (525, 29478), (543, 29526), (663, 29805), (695, 29943), (734, 30090), (735, 30096), (764, 30189), (781, 30249), (821, 30360), (823, 30366), (864, 30480), (876, 30510), (877, 30513), (898, 30591), (902, 30600),

Gene: Sunshine924_45 Start: 34152, Stop: 32323, Start Num: 229

Candidate Starts for Sunshine924_45:

(Start: 229 @34152 has 918 MA's), (347, 33939), (382, 33876), (394, 33846), (400, 33825), (402, 33819), (404, 33810), (440, 33693), (448, 33666), (500, 33573), (504, 33558), (539, 33474), (540, 33471), (566, 33405), (580, 33375), (592, 33345), (614, 33300), (635, 33261), (695, 33081), (705, 33033), (723, 32985), (732, 32946), (735, 32928), (745, 32889), (758, 32868), (765, 32847), (770, 32832), (808, 32709), (875, 32538), (880, 32514), (895, 32466), (898, 32454), (909, 32433), (912, 32427), (928, 32379), (935, 32364),

Gene: SuperAwesome_45 Start: 29638, Stop: 27797, Start Num: 229

Candidate Starts for SuperAwesome_45:

(Start: 229 @29638 has 918 MA's), (341, 29434), (382, 29359), (383, 29356), (394, 29329), (398, 29314), (402, 29302), (418, 29251), (444, 29161), (448, 29149), (500, 29056), (512, 29017), (519, 28999), (528, 28984), (553, 28918), (567, 28885), (569, 28882), (615, 28780), (649, 28720), (678, 28636), (695, 28555), (718, 28471), (719, 28468), (723, 28459), (728, 28432), (735, 28402), (758, 28342), (771, 28303), (853, 28087), (854, 28084), (857, 28063), (898, 27928), (903, 27916), (909, 27907), (911, 27904), (947, 27811),

Gene: SuperCallie99_45 Start: 29637, Stop: 27796, Start Num: 229

Candidate Starts for SuperCallie99_45:

(Start: 229 @29637 has 918 MA's), (341, 29433), (382, 29358), (383, 29355), (394, 29328), (398, 29313), (402, 29301), (418, 29250), (444, 29160), (448, 29148), (500, 29055), (512, 29016), (519, 28998), (528, 28983), (553, 28917), (567, 28884), (569, 28881), (615, 28779), (649, 28719), (678,

28635), (695, 28554), (718, 28470), (719, 28467), (723, 28458), (728, 28431), (735, 28401), (758, 28341), (771, 28302), (853, 28086), (854, 28083), (857, 28062), (898, 27927), (903, 27915), (909, 27906), (911, 27903), (947, 27810),

Gene: Superchunk_44 Start: 30012, Stop: 28183, Start Num: 229

Candidate Starts for Superchunk_44:

(Start: 229 @30012 has 918 MA's), (341, 29808), (347, 29799), (365, 29769), (382, 29736), (383, 29733), (394, 29706), (402, 29679), (408, 29658), (448, 29526), (500, 29433), (516, 29385), (553, 29295), (576, 29247), (611, 29166), (695, 28941), (719, 28854), (728, 28818), (735, 28788), (745, 28749), (758, 28728), (765, 28707), (771, 28689), (802, 28590), (811, 28563), (828, 28527), (840, 28509), (853, 28473), (898, 28314), (903, 28302), (909, 28293), (925, 28245), (940, 28215),

Gene: Superfresh_39 Start: 28922, Stop: 27057, Start Num: 270

Candidate Starts for Superfresh_39:

(Start: 216 @29009 has 3 MA's), (Start: 270 @28922 has 147 MA's), (Start: 276 @28913 has 5 MA's), (333, 28808), (336, 28799), (353, 28769), (355, 28766), (408, 28646), (412, 28634), (415, 28628), (449, 28523), (456, 28496), (493, 28355), (497, 28349), (498, 28346), (500, 28334), (508, 28307), (509, 28304), (514, 28289), (516, 28283), (518, 28277), (531, 28244), (602, 28115), (629, 28055), (728, 27740), (731, 27731), (732, 27728), (735, 27710), (746, 27668), (748, 27662), (756, 27638), (773, 27581), (820, 27422), (834, 27392), (836, 27383), (854, 27323), (858, 27299), (870, 27260), (879, 27227), (880, 27215), (896, 27155),

Gene: Surely_60 Start: 54325, Stop: 52466, Start Num: 197

Candidate Starts for Surely_60:

(Start: 175 @54349 has 5 MA's), (Start: 197 @54325 has 267 MA's), (Start: 231 @54301 has 5 MA's), (Start: 243 @54295 has 2 MA's), (260, 54253), (267, 54232), (316, 54118), (319, 54112), (337, 54082), (371, 54022), (381, 54001), (399, 53947), (403, 53935), (409, 53917), (413, 53905), (445, 53800), (486, 53743), (499, 53707), (502, 53695), (512, 53668), (524, 53641), (531, 53623), (539, 53605), (553, 53566), (556, 53557), (557, 53554), (664, 53296), (690, 53194), (696, 53161), (702, 53140), (729, 53047), (732, 53038), (747, 52975), (765, 52939), (766, 52936), (771, 52921), (796, 52843), (800, 52831), (806, 52810), (822, 52771), (857, 52681), (862, 52663), (864, 52657), (870, 52642), (879, 52618), (881, 52603), (882, 52600), (884, 52588), (892, 52564), (898, 52543), (911, 52516), (922, 52492),

Gene: Survivors_40 Start: 31946, Stop: 29589, Start Num: 39

Candidate Starts for Survivors_40:

(37, 31955), (Start: 39 @31946 has 23 MA's), (46, 31931), (53, 31895), (101, 31760), (121, 31697), (160, 31643), (Start: 234 @31541 has 1 MA's), (Start: 243 @31538 has 2 MA's), (274, 31463), (311, 31403), (340, 31352), (363, 31310), (379, 31280), (398, 31226), (405, 31205), (412, 31184), (433, 31121), (472, 30986), (476, 30971), (483, 30944), (489, 30926), (513, 30842), (544, 30806), (612, 30713), (633, 30671), (634, 30668), (635, 30665), (650, 30641), (655, 30629), (659, 30617), (693, 30476), (701, 30449), (735, 30314), (744, 30278), (746, 30272), (748, 30266), (750, 30260), (757, 30236), (766, 30203), (773, 30179), (783, 30134), (785, 30128), (803, 30068), (844, 29960), (859, 29894), (860, 29891), (863, 29879), (871, 29855), (888, 29777), (896, 29753), (920, 29684),

Gene: Swann_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for Swann_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (668, 27168), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: SweatNTears_44 Start: 32451, Stop: 30061, Start Num: 32

Candidate Starts for SweatNTears_44:

(Start: 32 @32451 has 16 MA's), (58, 32388), (63, 32370), (66, 32355), (83, 32301), (87, 32289), (94, 32268), (106, 32235), (116, 32208), (121, 32184), (147, 32157), (211, 32052), (251, 32004), (311, 31887), (352, 31806), (368, 31779), (379, 31758), (398, 31704), (399, 31701), (405, 31683), (412, 31662), (432, 31602), (489, 31404), (500, 31362), (547, 31275), (570, 31251), (586, 31245), (609, 31191), (612, 31185), (633, 31143), (634, 31140), (635, 31137), (685, 30990), (693, 30948), (701, 30921), (712, 30879), (735, 30786), (744, 30750), (746, 30744), (748, 30738), (750, 30732), (757, 30708), (766, 30675), (773, 30651), (783, 30606), (801, 30546), (854, 30393), (896, 30225), (910, 30180), (914, 30171), (918, 30162),

Gene: SweetiePie_44 Start: 31345, Stop: 29558, Start Num: 229

Candidate Starts for SweetiePie_44:

(Start: 229 @31345 has 918 MA's), (341, 31141), (343, 31138), (347, 31132), (354, 31117), (365, 31102), (382, 31069), (383, 31066), (394, 31039), (402, 31012), (408, 30991), (418, 30961), (448, 30859), (500, 30766), (516, 30718), (519, 30709), (528, 30694), (553, 30628), (588, 30547), (611, 30499), (614, 30493), (649, 30430), (678, 30355), (695, 30274), (707, 30223), (718, 30190), (719, 30187), (735, 30121), (745, 30082), (758, 30061), (781, 29986), (788, 29968), (802, 29923), (811, 29896), (828, 29860), (837, 29848), (840, 29842), (853, 29806), (857, 29782), (881, 29704), (898, 29647), (903, 29635), (909, 29626),

Gene: Swervy_43 Start: 29550, Stop: 31424, Start Num: 229

Candidate Starts for Swervy_43:

(Start: 226 @29547 has 7 MA's), (Start: 229 @29550 has 918 MA's), (266, 29619), (280, 29640), (341, 29757), (382, 29820), (404, 29886), (418, 29928), (543, 30222), (598, 30357), (648, 30456), (683, 30579), (695, 30639), (698, 30645), (707, 30690), (716, 30720), (726, 30756), (735, 30792), (764, 30885), (793, 30978), (821, 31056), (853, 31128), (861, 31167), (877, 31209), (880, 31227), (898, 31287), (909, 31308),

Gene: Swiphy_64 Start: 54569, Stop: 52710, Start Num: 197

Candidate Starts for Swiphy_64:

(Start: 175 @54593 has 5 MA's), (Start: 197 @54569 has 267 MA's), (Start: 231 @54545 has 5 MA's), (Start: 243 @54539 has 2 MA's), (260, 54497), (267, 54476), (316, 54362), (319, 54356), (337, 54326), (371, 54266), (381, 54245), (399, 54191), (403, 54179), (409, 54161), (413, 54149), (445, 54044), (486, 53987), (499, 53951), (502, 53939), (511, 53915), (516, 53903), (524, 53885), (531, 53867), (539, 53849), (553, 53810), (556, 53801), (557, 53798), (558, 53795), (690, 53438), (696, 53405), (702, 53384), (729, 53291), (732, 53282), (747, 53219), (765, 53183), (766, 53180), (771, 53165), (796, 53087), (800, 53075), (806, 53054), (822, 53015), (857, 52925), (862, 52907), (864, 52901), (870, 52886), (879, 52862), (881, 52847), (882, 52844), (884, 52832), (892, 52808), (911, 52760), (922, 52736),

Gene: SwirlSquare_48 Start: 30249, Stop: 28459, Start Num: 229

Candidate Starts for SwirlSquare_48:

(Start: 229 @30249 has 918 MA's), (341, 30045), (350, 30027), (373, 29991), (382, 29970), (383, 29967), (394, 29940), (397, 29928), (402, 29913), (408, 29892), (448, 29760), (500, 29667), (516, 29619), (553, 29529), (611, 29400), (695, 29175), (719, 29088), (728, 29052), (735, 29022), (745, 28983), (758, 28962), (765, 28941), (771, 28923), (802, 28824), (811, 28797), (828, 28761), (840, 28743), (853, 28707), (857, 28683), (898, 28548), (903, 28536), (909, 28527),

Gene: Swirley_41 Start: 30927, Stop: 29062, Start Num: 229

Candidate Starts for Swirley_41:

(Start: 229 @30927 has 918 MA's), (261, 30876), (296, 30816), (327, 30753), (341, 30723), (343, 30720), (378, 30663), (382, 30651), (394, 30621), (402, 30594), (448, 30441), (500, 30345), (516, 30297), (550, 30213), (553, 30207), (586, 30135), (598, 30102), (607, 30087), (614, 30075), (664, 29976), (695, 29841), (704, 29811), (705, 29793), (714, 29775), (719, 29754), (723, 29745), (735, 29688), (745, 29649), (765, 29607), (771, 29589), (786, 29541), (802, 29490), (823, 29436), (828, 29427), (840, 29409), (857, 29349), (862, 29331), (891, 29238), (898, 29214), (903, 29202), (947, 29097),

Gene: Swish_62 Start: 54299, Stop: 52440, Start Num: 197

Candidate Starts for Swish_62:

(Start: 175 @54323 has 5 MA's), (Start: 197 @54299 has 267 MA's), (Start: 231 @54275 has 5 MA's), (Start: 243 @54269 has 2 MA's), (260, 54227), (267, 54206), (316, 54092), (319, 54086), (337, 54056), (371, 53996), (381, 53975), (399, 53921), (403, 53909), (409, 53891), (413, 53879), (445, 53774), (486, 53717), (499, 53681), (502, 53669), (511, 53645), (516, 53633), (524, 53615), (531, 53597), (539, 53579), (553, 53540), (556, 53531), (557, 53528), (558, 53525), (690, 53168), (696, 53135), (702, 53114), (729, 53021), (732, 53012), (747, 52949), (765, 52913), (766, 52910), (771, 52895), (796, 52817), (800, 52805), (806, 52784), (822, 52745), (857, 52655), (862, 52637), (864, 52631), (870, 52616), (879, 52592), (881, 52577), (882, 52574), (884, 52562), (892, 52538), (911, 52490), (922, 52466),

Gene: SwissCheese_46 Start: 34979, Stop: 33153, Start Num: 229

Candidate Starts for SwissCheese_46:

(Start: 229 @34979 has 918 MA's), (347, 34766), (354, 34751), (394, 34673), (400, 34652), (402, 34646), (404, 34637), (440, 34520), (448, 34493), (500, 34400), (504, 34385), (511, 34364), (516, 34352), (539, 34301), (540, 34298), (566, 34232), (580, 34202), (592, 34172), (614, 34127), (635, 34088), (695, 33908), (705, 33860), (719, 33821), (735, 33755), (745, 33716), (758, 33695), (765, 33674), (771, 33656), (792, 33590), (853, 33440), (854, 33437), (861, 33401), (870, 33377), (874, 33368), (878, 33356), (898, 33281), (909, 33260),

Gene: Switzer_45 Start: 34442, Stop: 32616, Start Num: 229

Candidate Starts for Switzer_45:

(Start: 229 @34442 has 918 MA's), (347, 34229), (382, 34166), (394, 34136), (400, 34115), (402, 34109), (404, 34100), (440, 33983), (448, 33956), (500, 33863), (504, 33848), (539, 33764), (540, 33761), (566, 33695), (580, 33665), (592, 33635), (614, 33590), (635, 33551), (695, 33371), (705, 33323), (719, 33284), (735, 33218), (745, 33179), (758, 33158), (765, 33137), (771, 33119), (792, 33053), (853, 32903), (854, 32900), (861, 32864), (874, 32831), (878, 32819), (883, 32792), (898, 32744), (909, 32723),

Gene: Switzerland_47 Start: 30042, Stop: 28252, Start Num: 229

Candidate Starts for Switzerland_47:

(Start: 229 @30042 has 918 MA's), (327, 29868), (382, 29763), (383, 29760), (394, 29733), (402, 29706), (418, 29655), (448, 29553), (500, 29460), (514, 29415), (516, 29412), (519, 29403), (588, 29241), (598, 29214), (611, 29193), (614, 29187), (669, 29088), (678, 29049), (690, 28998), (695, 28968), (707, 28917), (718, 28884), (726, 28851), (728, 28845), (735, 28815), (758, 28755), (765, 28734), (777, 28692), (787, 28665), (792, 28650), (823, 28563), (853, 28500), (854, 28497), (898, 28341), (903, 28329), (911, 28317),

Gene: Swole_45 Start: 34149, Stop: 32320, Start Num: 229

Candidate Starts for Swole_45:

(Start: 229 @34149 has 918 MA's), (347, 33936), (354, 33921), (382, 33873), (394, 33843), (400, 33822), (402, 33816), (404, 33807), (440, 33690), (448, 33663), (500, 33570), (504, 33555), (511, 33534), (539, 33471), (540, 33468), (566, 33402), (580, 33372), (592, 33342), (614, 33297), (635, 33258), (695, 33078), (705, 33030), (723, 32982), (732, 32943), (735, 32925), (745, 32886), (758,

32865), (765, 32844), (770, 32829), (808, 32706), (875, 32535), (880, 32511), (895, 32463), (898, 32451), (909, 32430), (912, 32424), (928, 32376), (935, 32361),

Gene: SydNat_40 Start: 31117, Stop: 29252, Start Num: 229

Candidate Starts for SydNat_40:

(Start: 229 @31117 has 918 MA's), (261, 31066), (296, 31006), (327, 30943), (341, 30913), (343, 30910), (378, 30853), (394, 30811), (402, 30784), (448, 30631), (500, 30535), (510, 30502), (516, 30487), (550, 30403), (553, 30397), (567, 30364), (607, 30277), (614, 30265), (635, 30226), (664, 30166), (695, 30031), (704, 30001), (705, 29983), (718, 29947), (719, 29944), (735, 29878), (745, 29839), (765, 29797), (771, 29779), (786, 29731), (788, 29725), (802, 29680), (823, 29626), (828, 29617), (840, 29599), (862, 29521), (880, 29464), (891, 29428), (898, 29404), (903, 29392), (956, 29260),

Gene: SynergyX_58 Start: 53681, Stop: 51864, Start Num: 238

Candidate Starts for SynergyX_58:

(124, 53864), (Start: 238 @53681 has 44 MA's), (253, 53651), (347, 53471), (408, 53318), (412, 53306), (422, 53276), (426, 53270), (445, 53207), (447, 53201), (486, 53150), (499, 53114), (516, 53066), (557, 52961), (596, 52865), (627, 52814), (676, 52670), (684, 52631), (691, 52601), (696, 52574), (700, 52562), (727, 52466), (729, 52460), (732, 52451), (734, 52439), (759, 52367), (765, 52337), (771, 52319), (773, 52310), (796, 52241), (800, 52229), (806, 52208), (840, 52139), (849, 52124), (854, 52100), (857, 52079), (862, 52061), (864, 52055), (877, 52022), (879, 52016), (882, 51998), (884, 51986), (888, 51974), (892, 51962), (908, 51920), (922, 51890),

Gene: TA17A_57 Start: 52484, Stop: 50655, Start Num: 189

Candidate Starts for TA17A_57:

(Start: 189 @52484 has 57 MA's), (Start: 243 @52457 has 2 MA's), (254, 52427), (260, 52415), (271, 52388), (273, 52385), (278, 52376), (298, 52358), (343, 52262), (371, 52211), (382, 52187), (391, 52163), (434, 52025), (442, 52001), (445, 51989), (486, 51932), (499, 51896), (511, 51860), (546, 51776), (556, 51746), (557, 51743), (570, 51713), (633, 51569), (659, 51503), (676, 51452), (679, 51431), (684, 51413), (696, 51356), (715, 51299), (723, 51272), (729, 51242), (732, 51233), (747, 51167), (763, 51140), (765, 51131), (771, 51113), (777, 51089), (796, 51035), (800, 51023), (806, 51002), (840, 50933), (857, 50873), (862, 50855), (875, 50822), (879, 50810), (881, 50795), (882, 50792), (884, 50780), (892, 50756), (893, 50753), (911, 50705), (912, 50702), (922, 50681), (925, 50660),

Gene: TG1_31 Start: 25848, Stop: 27695, Start Num: 229

Candidate Starts for TG1_31:

(167, 25767), (Start: 178 @25788 has 1 MA's), (Start: 189 @25803 has 57 MA's), (Start: 203 @25821 has 1 MA's), (Start: 229 @25848 has 918 MA's), (256, 25890), (273, 25929), (293, 25953), (341, 26049), (371, 26097), (393, 26148), (400, 26172), (450, 26337), (501, 26427), (502, 26430), (522, 26484), (528, 26499), (539, 26526), (543, 26538), (548, 26553), (565, 26592), (607, 26685), (611, 26691), (640, 26748), (642, 26751), (689, 26916), (695, 26949), (705, 26997), (712, 27012), (726, 27066), (728, 27072), (733, 27093), (735, 27102), (738, 27117), (744, 27147), (771, 27228), (775, 27243), (822, 27378), (825, 27384), (828, 27390), (849, 27426), (861, 27486), (864, 27495), (870, 27510), (875, 27522), (877, 27528), (883, 27558), (898, 27606), (901, 27612), (909, 27627), (912, 27633),

Gene: TMaxx_43 Start: 29595, Stop: 27817, Start Num: 229

Candidate Starts for TMaxx_43:

(144, 29724), (Start: 229 @29595 has 918 MA's), (267, 29517), (296, 29475), (323, 29427), (382, 29322), (412, 29235), (418, 29217), (442, 29154), (443, 29148), (451, 29124), (500, 29055), (532, 28974), (543, 28947), (548, 28932), (577, 28869), (600, 28812), (617, 28782), (635, 28746), (640, 28734), (655, 28710), (688, 28617), (692, 28596), (695, 28575), (698, 28569), (724, 28473), (729,

28449), (735, 28422), (745, 28383), (777, 28272), (783, 28254), (789, 28239), (802, 28197), (804, 28191), (811, 28170), (833, 28116), (839, 28101), (858, 28035), (862, 28020), (869, 28005), (875, 27984), (877, 27978), (881, 27957), (882, 27954), (885, 27936), (892, 27921), (931, 27828),

Gene: TNguyen7_46 Start: 31522, Stop: 29684, Start Num: 229

Candidate Starts for TNguyen7_46:

(Start: 229 @31522 has 918 MA's), (261, 31471), (298, 31405), (341, 31318), (378, 31258), (382, 31246), (402, 31189), (404, 31180), (441, 31060), (448, 31036), (500, 30940), (517, 30892), (543, 30832), (569, 30769), (598, 30700), (611, 30679), (650, 30607), (668, 30565), (678, 30523), (695, 30442), (705, 30394), (728, 30319), (735, 30289), (742, 30259), (766, 30178), (777, 30139), (786, 30115), (792, 30097), (840, 29968), (857, 29908), (898, 29773), (903, 29761), (909, 29752),

Gene: TPA2_63 Start: 52427, Stop: 50550, Start Num: 233

Candidate Starts for TPA2_63:

(69, 52787), (124, 52604), (233, 52427), (Start: 243 @52418 has 2 MA's), (258, 52379), (278, 52337), (284, 52325), (287, 52319), (337, 52232), (343, 52223), (365, 52181), (380, 52154), (387, 52133), (417, 52043), (425, 52022), (431, 52004), (433, 51998), (439, 51980), (486, 51902), (499, 51866), (502, 51854), (503, 51851), (511, 51830), (551, 51734), (562, 51701), (586, 51647), (656, 51482), (674, 51431), (684, 51383), (696, 51326), (719, 51248), (723, 51239), (727, 51215), (729, 51209), (747, 51137), (765, 51101), (771, 51083), (790, 51023), (796, 51005), (800, 50993), (806, 50972), (808, 50963), (835, 50912), (875, 50792), (879, 50780), (888, 50732), (891, 50723), (892, 50720), (895, 50711), (898, 50699), (920, 50651), (931, 50612), (938, 50594),

Gene: TWAMP_36 Start: 28113, Stop: 26329, Start Num: 229

Candidate Starts for TWAMP_36:

(Start: 229 @28113 has 918 MA's), (361, 27879), (378, 27849), (381, 27840), (382, 27837), (398, 27792), (402, 27780), (418, 27729), (448, 27627), (477, 27606), (500, 27534), (514, 27489), (516, 27486), (536, 27444), (538, 27438), (543, 27423), (553, 27396), (598, 27291), (603, 27282), (614, 27264), (615, 27261), (635, 27225), (695, 27045), (705, 26997), (735, 26892), (736, 26889), (758, 26832), (765, 26811), (779, 26763), (804, 26688), (837, 26619), (853, 26577), (857, 26553), (881, 26475), (898, 26418), (903, 26406), (909, 26397), (923, 26367), (925, 26349),

Gene: Takoda_36 Start: 28086, Stop: 26302, Start Num: 229

Candidate Starts for Takoda_36:

(Start: 229 @28086 has 918 MA's), (325, 27915), (365, 27843), (381, 27813), (382, 27810), (398, 27765), (402, 27753), (404, 27744), (418, 27702), (448, 27600), (477, 27579), (486, 27549), (500, 27507), (516, 27459), (543, 27396), (553, 27369), (598, 27264), (603, 27255), (614, 27237), (635, 27198), (695, 27018), (705, 26970), (735, 26865), (736, 26862), (758, 26805), (765, 26784), (779, 26736), (804, 26661), (837, 26592), (853, 26550), (857, 26526), (881, 26448), (898, 26391), (903, 26379), (923, 26340), (925, 26322),

Gene: Talia1610_99 Start: 77815, Stop: 79611, Start Num: 245

Candidate Starts for Talia1610_99:

(Start: 245 @77815 has 2 MA's), (296, 77911), (403, 78127), (412, 78154), (415, 78160), (440, 78229), (451, 78265), (532, 78412), (535, 78418), (543, 78439), (548, 78454), (635, 78643), (658, 78688), (671, 78721), (675, 78739), (682, 78772), (692, 78811), (695, 78832), (698, 78838), (726, 78952), (744, 79036), (746, 79042), (750, 79054), (764, 79102), (767, 79114), (777, 79150), (789, 79183), (792, 79192), (806, 79237), (812, 79255), (853, 79360), (858, 79387), (862, 79402), (875, 79435), (880, 79459), (885, 79483), (898, 79519), (913, 79546),

Gene: TallGrassMM_60 Start: 53939, Stop: 52080, Start Num: 197

Candidate Starts for TallGrassMM_60:

(Start: 175 @53963 has 5 MA's), (Start: 197 @53939 has 267 MA's), (Start: 231 @53915 has 5 MA's), (Start: 243 @53909 has 2 MA's), (260, 53867), (267, 53846), (316, 53732), (319, 53726), (337, 53696), (371, 53636), (381, 53615), (399, 53561), (403, 53549), (409, 53531), (413, 53519), (445, 53414), (486, 53357), (499, 53321), (502, 53309), (512, 53282), (531, 53237), (553, 53180), (556, 53171), (557, 53168), (690, 52808), (696, 52775), (702, 52754), (729, 52661), (732, 52652), (747, 52589), (765, 52553), (766, 52550), (771, 52535), (796, 52457), (800, 52445), (806, 52424), (822, 52385), (857, 52295), (862, 52277), (864, 52271), (870, 52256), (879, 52232), (881, 52217), (882, 52214), (884, 52202), (892, 52178), (911, 52130), (922, 52106),

Gene: Tallboi_40 Start: 30542, Stop: 32407, Start Num: 229

Candidate Starts for Tallboi_40:

(Start: 229 @30542 has 918 MA's), (260, 30590), (327, 30716), (394, 30839), (421, 30929), (501, 31136), (504, 31145), (543, 31244), (548, 31259), (553, 31271), (611, 31397), (669, 31535), (695, 31655), (704, 31685), (719, 31742), (735, 31808), (764, 31901), (786, 31973), (825, 32081), (853, 32144), (898, 32303), (902, 32312),

Gene: Taquarus_45 Start: 31573, Stop: 29747, Start Num: 229

Candidate Starts for Taquarus_45:

(Start: 229 @31573 has 918 MA's), (250, 31552), (261, 31522), (273, 31492), (365, 31330), (376, 31312), (402, 31240), (404, 31231), (441, 31111), (448, 31087), (500, 30994), (517, 30946), (528, 30925), (543, 30886), (598, 30754), (611, 30733), (635, 30688), (640, 30676), (692, 30523), (695, 30502), (728, 30379), (735, 30349), (745, 30310), (765, 30244), (766, 30241), (771, 30226), (777, 30202), (786, 30178), (857, 29971), (898, 29836), (903, 29824), (909, 29815),

Gene: Target_45 Start: 33552, Stop: 31723, Start Num: 229

Candidate Starts for Target_45:

(Start: 229 @33552 has 918 MA's), (347, 33339), (354, 33324), (382, 33276), (394, 33246), (400, 33225), (402, 33219), (404, 33210), (440, 33093), (448, 33066), (500, 32973), (504, 32958), (516, 32925), (539, 32874), (540, 32871), (566, 32805), (592, 32745), (614, 32700), (635, 32661), (695, 32481), (705, 32433), (723, 32385), (732, 32346), (735, 32328), (745, 32289), (758, 32268), (765, 32247), (770, 32232), (808, 32109), (875, 31938), (880, 31914), (895, 31866), (898, 31854), (909, 31833), (912, 31827), (928, 31779), (935, 31764),

Gene: TarsusIV_42 Start: 31027, Stop: 29240, Start Num: 228

Candidate Starts for TarsusIV_42:

(Start: 228 @31027 has 10 MA's), (347, 30814), (354, 30799), (365, 30784), (382, 30751), (383, 30748), (394, 30721), (402, 30694), (404, 30685), (448, 30541), (500, 30448), (511, 30412), (516, 30400), (519, 30391), (528, 30376), (588, 30229), (611, 30181), (614, 30175), (695, 29956), (707, 29905), (718, 29872), (719, 29869), (735, 29803), (745, 29764), (758, 29743), (781, 29668), (786, 29656), (802, 29605), (828, 29542), (853, 29488), (857, 29464), (877, 29407), (881, 29386), (898, 29329), (903, 29317), (909, 29308),

Gene: Tarynearal_37 Start: 30369, Stop: 28504, Start Num: 229

Candidate Starts for Tarynearal_37:

(Start: 229 @30369 has 918 MA's), (261, 30318), (296, 30258), (327, 30195), (341, 30165), (343, 30162), (378, 30105), (382, 30093), (394, 30063), (402, 30036), (448, 29883), (500, 29787), (516, 29739), (550, 29655), (553, 29649), (586, 29577), (598, 29544), (607, 29529), (614, 29517), (664, 29418), (695, 29283), (704, 29253), (705, 29235), (707, 29232), (719, 29196), (723, 29187), (726, 29166), (729, 29157), (735, 29130), (736, 29127), (758, 29070), (765, 29049), (802, 28932), (823, 28878), (828, 28869), (840, 28851), (857, 28791), (862, 28773), (880, 28716), (891, 28680), (898, 28656), (903, 28644),

Gene: Tasp14_46 Start: 35011, Stop: 33185, Start Num: 229

Candidate Starts for Tasp14_46:

(Start: 229 @35011 has 918 MA's), (347, 34798), (354, 34783), (394, 34705), (400, 34684), (402, 34678), (404, 34669), (440, 34552), (448, 34525), (500, 34432), (504, 34417), (539, 34333), (540, 34330), (566, 34264), (580, 34234), (592, 34204), (614, 34159), (635, 34120), (695, 33940), (705, 33892), (719, 33853), (735, 33787), (745, 33748), (758, 33727), (765, 33706), (771, 33688), (792, 33622), (853, 33472), (854, 33469), (861, 33433), (870, 33409), (874, 33400), (878, 33388), (898, 33313), (909, 33292),

Gene: TatarkaPM_39 Start: 29065, Stop: 27074, Start Num: 188

Candidate Starts for TatarkaPM_39:

(2, 29698), (62, 29395), (Start: 188 @29065 has 5 MA's), (214, 29029), (220, 29023), (Start: 270 @28939 has 147 MA's), (Start: 276 @28930 has 5 MA's), (333, 28825), (336, 28816), (353, 28786), (355, 28783), (408, 28663), (412, 28651), (415, 28645), (449, 28540), (456, 28513), (493, 28372), (497, 28366), (498, 28363), (500, 28351), (508, 28324), (509, 28321), (514, 28306), (516, 28300), (518, 28294), (531, 28261), (629, 28072), (728, 27757), (731, 27748), (732, 27745), (735, 27727), (746, 27685), (748, 27679), (751, 27670), (756, 27655), (773, 27598), (820, 27439), (834, 27409), (836, 27400), (854, 27340), (858, 27316), (870, 27277), (879, 27244), (880, 27232), (896, 27172),

Gene: Taurus_49 Start: 31852, Stop: 30038, Start Num: 229

Candidate Starts for Taurus_49:

(Start: 229 @31852 has 918 MA's), (255, 31813), (261, 31801), (341, 31648), (349, 31633), (382, 31576), (402, 31519), (404, 31510), (418, 31468), (432, 31417), (448, 31366), (500, 31273), (516, 31225), (519, 31216), (528, 31201), (543, 31162), (553, 31135), (566, 31105), (607, 31012), (639, 30952), (649, 30937), (695, 30781), (719, 30694), (735, 30628), (745, 30589), (766, 30517), (777, 30478), (786, 30454), (792, 30436), (802, 30403), (811, 30376), (840, 30322), (857, 30262), (881, 30184), (898, 30127), (903, 30115), (909, 30106),

Gene: Tbone_40 Start: 29503, Stop: 31368, Start Num: 229

Candidate Starts for Tbone_40:

(Start: 229 @29503 has 918 MA's), (260, 29551), (394, 29800), (421, 29890), (501, 30097), (504, 30106), (540, 30196), (543, 30205), (548, 30220), (567, 30265), (588, 30310), (611, 30358), (640, 30415), (669, 30496), (695, 30616), (704, 30646), (719, 30703), (735, 30769), (741, 30793), (764, 30862), (786, 30934), (789, 30943), (825, 31042), (853, 31105), (857, 31129), (898, 31264), (902, 31273),

Gene: Teagan_39 Start: 28930, Stop: 27065, Start Num: 270

Candidate Starts for Teagan_39:

(Start: 216 @29017 has 3 MA's), (219, 29014), (Start: 270 @28930 has 147 MA's), (Start: 276 @28921 has 5 MA's), (333, 28816), (336, 28807), (353, 28777), (355, 28774), (408, 28654), (412, 28642), (415, 28636), (449, 28531), (456, 28504), (493, 28363), (497, 28357), (498, 28354), (500, 28342), (508, 28315), (509, 28312), (514, 28297), (516, 28291), (518, 28285), (531, 28252), (629, 28063), (661, 27988), (728, 27748), (731, 27739), (732, 27736), (735, 27718), (746, 27676), (748, 27670), (751, 27661), (756, 27646), (773, 27589), (820, 27430), (834, 27400), (836, 27391), (854, 27331), (858, 27307), (870, 27268), (879, 27235), (880, 27223), (896, 27163),

Gene: Teagster_45 Start: 29747, Stop: 31618, Start Num: 229

Candidate Starts for Teagster_45:

(Start: 229 @29747 has 918 MA's), (250, 29768), (260, 29795), (266, 29816), (280, 29837), (404, 30080), (408, 30092), (412, 30104), (415, 30110), (437, 30176), (511, 30338), (525, 30371), (543, 30419), (663, 30698), (695, 30836), (734, 30983), (735, 30989), (764, 31082), (781, 31142), (821, 31253), (823, 31259), (864, 31373), (876, 31403), (877, 31406), (898, 31484), (902, 31493),

Gene: TeddyBear_38 Start: 28632, Stop: 26767, Start Num: 270

Candidate Starts for TeddyBear_38:

(Start: 216 @28719 has 3 MA's), (Start: 270 @28632 has 147 MA's), (Start: 276 @28623 has 5 MA's), (333, 28518), (336, 28509), (353, 28479), (355, 28476), (408, 28356), (412, 28344), (415, 28338), (449, 28233), (456, 28206), (493, 28065), (497, 28059), (498, 28056), (500, 28044), (508, 28017), (509, 28014), (514, 27999), (516, 27993), (518, 27987), (531, 27954), (602, 27825), (629, 27765), (728, 27450), (731, 27441), (732, 27438), (735, 27420), (746, 27378), (748, 27372), (756, 27348), (773, 27291), (820, 27132), (834, 27102), (836, 27093), (854, 27033), (858, 27009), (870, 26970), (879, 26937), (880, 26925), (896, 26865),

Gene: Telesworld_58 Start: 54144, Stop: 52285, Start Num: 197

Candidate Starts for Telesworld_58:

(Start: 175 @54168 has 5 MA's), (Start: 197 @54144 has 267 MA's), (Start: 231 @54120 has 5 MA's), (Start: 243 @54114 has 2 MA's), (260, 54072), (267, 54051), (316, 53937), (319, 53931), (337, 53901), (371, 53841), (381, 53820), (399, 53766), (403, 53754), (409, 53736), (413, 53724), (445, 53619), (486, 53562), (499, 53526), (502, 53514), (512, 53487), (531, 53442), (553, 53385), (556, 53376), (557, 53373), (690, 53013), (696, 52980), (702, 52959), (729, 52866), (732, 52857), (747, 52794), (765, 52758), (766, 52755), (771, 52740), (796, 52662), (800, 52650), (806, 52629), (822, 52590), (857, 52500), (862, 52482), (864, 52476), (870, 52461), (879, 52437), (881, 52422), (882, 52419), (884, 52407), (892, 52383), (911, 52335), (922, 52311),

Gene: Tenda_38 Start: 28630, Stop: 26765, Start Num: 270

Candidate Starts for Tenda_38:

(Start: 216 @28717 has 3 MA's), (219, 28714), (Start: 270 @28630 has 147 MA's), (Start: 276 @28621 has 5 MA's), (333, 28516), (336, 28507), (353, 28477), (355, 28474), (408, 28354), (412, 28342), (415, 28336), (449, 28231), (456, 28204), (493, 28063), (497, 28057), (498, 28054), (500, 28042), (508, 28015), (509, 28012), (514, 27997), (516, 27991), (518, 27985), (531, 27952), (602, 27823), (629, 27763), (728, 27448), (731, 27439), (732, 27436), (735, 27418), (746, 27376), (748, 27370), (751, 27361), (756, 27346), (773, 27289), (820, 27130), (834, 27100), (836, 27091), (854, 27031), (858, 27007), (870, 26968), (879, 26935), (880, 26923), (896, 26863),

Gene: Teodoridan_43 Start: 34199, Stop: 32412, Start Num: 229

Candidate Starts for Teodoridan_43:

(Start: 229 @34199 has 918 MA's), (347, 33986), (382, 33923), (394, 33893), (400, 33872), (402, 33866), (404, 33857), (440, 33740), (448, 33713), (500, 33620), (504, 33605), (511, 33584), (539, 33521), (540, 33518), (566, 33452), (580, 33422), (592, 33392), (614, 33347), (635, 33308), (695, 33128), (705, 33080), (719, 33041), (735, 32975), (763, 32903), (765, 32894), (792, 32810), (823, 32723), (870, 32597), (875, 32585), (898, 32501), (901, 32495),

Gene: Texage_43 Start: 31598, Stop: 29760, Start Num: 229

Candidate Starts for Texage_43:

(Start: 229 @31598 has 918 MA's), (261, 31547), (341, 31394), (382, 31322), (394, 31292), (402, 31265), (404, 31256), (448, 31112), (500, 31016), (517, 30968), (543, 30908), (581, 30821), (598, 30776), (611, 30755), (650, 30683), (668, 30641), (678, 30599), (695, 30518), (705, 30470), (719, 30431), (728, 30395), (735, 30365), (742, 30335), (766, 30254), (777, 30215), (786, 30191), (792, 30173), (793, 30170), (840, 30044), (857, 29984), (883, 29897), (898, 29849), (903, 29837), (909, 29828),

Gene: TforTroy_42 Start: 29677, Stop: 31542, Start Num: 229

Candidate Starts for TforTroy_42:

(Start: 229 @29677 has 918 MA's), (260, 29725), (400, 29995), (429, 30094), (504, 30280), (543, 30379), (548, 30394), (553, 30406), (611, 30532), (669, 30670), (695, 30790), (704, 30820), (719, 30877), (735, 30943), (764, 31036), (853, 31279), (898, 31438), (902, 31447),

Gene: Thanksgivukkah_44 Start: 31568, Stop: 29742, Start Num: 229

Candidate Starts for Thanksgivukkah_44:

(Start: 229 @31568 has 918 MA's), (250, 31547), (261, 31517), (273, 31487), (365, 31325), (376, 31307), (382, 31292), (402, 31235), (404, 31226), (441, 31106), (448, 31082), (500, 30989), (517, 30941), (528, 30920), (543, 30881), (598, 30749), (611, 30728), (635, 30683), (640, 30671), (692, 30518), (695, 30497), (728, 30374), (735, 30344), (745, 30305), (765, 30239), (766, 30236), (771, 30221), (777, 30197), (786, 30173), (857, 29966), (898, 29831), (903, 29819), (909, 29810),

Gene: Theia_36 Start: 30392, Stop: 28533, Start Num: 229

Candidate Starts for Theia_36:

(Start: 229 @30392 has 918 MA's), (261, 30341), (296, 30281), (327, 30218), (341, 30188), (343, 30185), (378, 30128), (394, 30086), (402, 30059), (448, 29906), (500, 29810), (516, 29762), (550, 29678), (553, 29672), (586, 29600), (598, 29567), (607, 29552), (614, 29540), (664, 29441), (695, 29306), (704, 29276), (705, 29258), (707, 29255), (719, 29219), (723, 29210), (726, 29189), (729, 29180), (735, 29153), (736, 29150), (758, 29093), (765, 29072), (802, 28955), (823, 28901), (828, 28892), (840, 28874), (862, 28796), (891, 28703), (898, 28679), (903, 28667), (953, 28550), (955, 28547),

Gene: TheloniousMonk_46 Start: 36133, Stop: 34346, Start Num: 229

Candidate Starts for TheloniousMonk_46:

(Start: 229 @36133 has 918 MA's), (347, 35920), (354, 35905), (394, 35827), (400, 35806), (402, 35800), (404, 35791), (440, 35674), (448, 35647), (500, 35554), (504, 35539), (516, 35506), (539, 35455), (540, 35452), (560, 35398), (566, 35386), (580, 35356), (592, 35326), (614, 35281), (635, 35242), (695, 35062), (705, 35014), (719, 34975), (735, 34909), (763, 34837), (765, 34828), (792, 34744), (823, 34657), (870, 34531), (875, 34519), (898, 34435), (901, 34429),

Gene: Thompsone_39 Start: 28937, Stop: 27072, Start Num: 270

Candidate Starts for Thompsone_39:

(Start: 216 @29024 has 3 MA's), (219, 29021), (Start: 270 @28937 has 147 MA's), (Start: 276 @28928 has 5 MA's), (333, 28823), (336, 28814), (353, 28784), (355, 28781), (407, 28664), (412, 28649), (415, 28643), (449, 28538), (456, 28511), (493, 28370), (498, 28361), (500, 28349), (508, 28322), (509, 28319), (514, 28304), (516, 28298), (518, 28292), (531, 28259), (602, 28130), (629, 28070), (661, 27995), (728, 27755), (731, 27746), (732, 27743), (735, 27725), (746, 27683), (748, 27677), (751, 27668), (756, 27653), (773, 27596), (820, 27437), (834, 27407), (836, 27398), (854, 27338), (858, 27314), (870, 27275), (879, 27242), (880, 27230), (896, 27170),

Gene: Thonko_60 Start: 53153, Stop: 51336, Start Num: 225

Candidate Starts for Thonko_60:

(Start: 225 @53153 has 1 MA's), (Start: 243 @53135 has 2 MA's), (253, 53108), (306, 52991), (343, 52925), (445, 52664), (486, 52607), (499, 52571), (502, 52559), (516, 52523), (529, 52490), (553, 52430), (556, 52421), (557, 52418), (633, 52244), (676, 52127), (680, 52103), (691, 52058), (696, 52031), (702, 52010), (727, 51923), (729, 51917), (732, 51908), (747, 51845), (766, 51806), (768, 51800), (771, 51791), (796, 51713), (800, 51701), (806, 51680), (810, 51668), (822, 51641), (852, 51584), (857, 51551), (864, 51527), (879, 51488), (892, 51434), (922, 51362),

Gene: Thor_43 Start: 33796, Stop: 31970, Start Num: 229

Candidate Starts for Thor_43:

(Start: 229 @33796 has 918 MA's), (347, 33583), (354, 33568), (394, 33490), (400, 33469), (402, 33463), (404, 33454), (440, 33337), (448, 33310), (500, 33217), (504, 33202), (539, 33118), (540, 33115), (566, 33049), (580, 33019), (592, 32989), (614, 32944), (635, 32905), (695, 32725), (705, 32677), (719, 32638), (735, 32572), (745, 32533), (758, 32512), (765, 32491), (771, 32473), (792, 32407), (853, 32257), (854, 32254), (861, 32218), (874, 32185), (878, 32173), (890, 32125), (898, 32098), (909, 32077),

Gene: Thora_60 Start: 54321, Stop: 52462, Start Num: 197

Candidate Starts for Thora_60:

(Start: 175 @54345 has 5 MA's), (Start: 197 @54321 has 267 MA's), (Start: 231 @54297 has 5 MA's), (Start: 243 @54291 has 2 MA's), (260, 54249), (267, 54228), (316, 54114), (319, 54108), (337, 54078), (371, 54018), (381, 53997), (399, 53943), (403, 53931), (409, 53913), (413, 53901), (445, 53796), (486, 53739), (499, 53703), (502, 53691), (512, 53664), (524, 53637), (531, 53619), (539, 53601), (553, 53562), (556, 53553), (557, 53550), (664, 53292), (690, 53190), (696, 53157), (702, 53136), (729, 53043), (732, 53034), (747, 52971), (765, 52935), (766, 52932), (771, 52917), (796, 52839), (800, 52827), (806, 52806), (822, 52767), (857, 52677), (862, 52659), (864, 52653), (870, 52638), (879, 52614), (881, 52599), (882, 52596), (884, 52584), (892, 52560), (911, 52512), (922, 52488),

Gene: Thorongil_39 Start: 28937, Stop: 27072, Start Num: 270

Candidate Starts for Thorongil_39:

(Start: 216 @29024 has 3 MA's), (219, 29021), (Start: 270 @28937 has 147 MA's), (Start: 276 @28928 has 5 MA's), (333, 28823), (336, 28814), (353, 28784), (355, 28781), (408, 28661), (412, 28649), (415, 28643), (449, 28538), (456, 28511), (493, 28370), (497, 28364), (498, 28361), (500, 28349), (508, 28322), (509, 28319), (514, 28304), (516, 28298), (518, 28292), (531, 28259), (602, 28130), (629, 28070), (728, 27755), (731, 27746), (732, 27743), (735, 27725), (746, 27683), (748, 27677), (751, 27668), (756, 27653), (773, 27596), (820, 27437), (834, 27407), (836, 27398), (854, 27338), (858, 27314), (870, 27275), (879, 27242), (880, 27230), (896, 27170),

Gene: ThreeOh3D2_62 Start: 54542, Stop: 52683, Start Num: 197

Candidate Starts for ThreeOh3D2_62:

(Start: 175 @54566 has 5 MA's), (Start: 197 @54542 has 267 MA's), (Start: 231 @54518 has 5 MA's), (Start: 243 @54512 has 2 MA's), (260, 54470), (267, 54449), (316, 54335), (319, 54329), (337, 54299), (371, 54239), (381, 54218), (399, 54164), (403, 54152), (409, 54134), (413, 54122), (445, 54017), (486, 53960), (499, 53924), (502, 53912), (512, 53885), (524, 53858), (531, 53840), (539, 53822), (553, 53783), (556, 53774), (557, 53771), (558, 53768), (690, 53411), (696, 53378), (702, 53357), (729, 53264), (732, 53255), (747, 53192), (765, 53156), (766, 53153), (771, 53138), (796, 53060), (800, 53048), (806, 53027), (822, 52988), (857, 52898), (862, 52880), (864, 52874), (870, 52859), (879, 52835), (881, 52820), (882, 52817), (884, 52805), (892, 52781), (911, 52733), (922, 52709),

Gene: Thunderbird_60 Start: 54275, Stop: 52416, Start Num: 197

Candidate Starts for Thunderbird_60:

(Start: 175 @54299 has 5 MA's), (Start: 197 @54275 has 267 MA's), (Start: 231 @54251 has 5 MA's), (Start: 243 @54245 has 2 MA's), (260, 54203), (267, 54182), (316, 54068), (319, 54062), (337, 54032), (371, 53972), (381, 53951), (399, 53897), (403, 53885), (409, 53867), (413, 53855), (445, 53750), (486, 53693), (499, 53657), (502, 53645), (512, 53618), (531, 53573), (553, 53516), (556, 53507), (557, 53504), (690, 53144), (696, 53111), (702, 53090), (729, 52997), (732, 52988), (747, 52925), (765, 52889), (766, 52886), (771, 52871), (796, 52793), (800, 52781), (806, 52760), (822, 52721), (857, 52631), (862, 52613), (864, 52607), (870, 52592), (879, 52568), (881, 52553), (882, 52550), (884, 52538), (892, 52514), (911, 52466), (922, 52442), (924, 52427),

Gene: Thunderclap_54 Start: 36908, Stop: 34740, Start Num: 218

Candidate Starts for Thunderclap_54:

(215, 36911), (Start: 218 @36908 has 13 MA's), (253, 36854), (291, 36770), (354, 36617), (359, 36608), (382, 36563), (403, 36485), (406, 36476), (411, 36461), (417, 36446), (418, 36443), (434, 36386), (461, 36293), (467, 36251), (523, 36056), (527, 36044), (529, 36038), (539, 36014), (546, 35993), (555, 35972), (559, 35957), (563, 35951), (591, 35888), (614, 35837), (644, 35750), (666, 35690), (678, 35642), (703, 35540), (704, 35534), (709, 35507), (710, 35504), (718, 35483), (729,

35441), (731, 35435), (736, 35411), (743, 35369), (744, 35366), (752, 35339), (760, 35306), (764, 35294), (774, 35258), (781, 35234), (783, 35228), (786, 35222), (803, 35168), (822, 35120), (823, 35117), (848, 35057), (853, 35033), (859, 35003), (876, 34949), (895, 34880), (898, 34868), (911, 34829),

Gene: Tian_39 Start: 30363, Stop: 32228, Start Num: 229

Candidate Starts for Tian_39:

(Start: 162 @30285 has 2 MA's), (Start: 229 @30363 has 918 MA's), (260, 30411), (327, 30537), (341, 30567), (364, 30594), (368, 30600), (394, 30660), (421, 30750), (501, 30957), (504, 30966), (543, 31065), (548, 31080), (611, 31218), (669, 31356), (689, 31443), (695, 31476), (712, 31539), (719, 31563), (733, 31620), (735, 31629), (764, 31722), (786, 31794), (825, 31902), (853, 31965), (857, 31989), (898, 32124), (902, 32133),

Gene: Tiffany_48 Start: 31738, Stop: 29924, Start Num: 229

Candidate Starts for Tiffany_48:

(Start: 229 @31738 has 918 MA's), (255, 31699), (261, 31687), (341, 31534), (349, 31519), (382, 31462), (402, 31405), (404, 31396), (418, 31354), (432, 31303), (448, 31252), (500, 31159), (516, 31111), (519, 31102), (528, 31087), (543, 31048), (553, 31021), (566, 30991), (607, 30898), (639, 30838), (649, 30823), (695, 30667), (719, 30580), (735, 30514), (745, 30475), (766, 30403), (777, 30364), (786, 30340), (792, 30322), (802, 30289), (811, 30262), (840, 30208), (857, 30148), (881, 30070), (898, 30013), (903, 30001), (909, 29992),

Gene: Tiger_37 Start: 29925, Stop: 28066, Start Num: 229

Candidate Starts for Tiger_37:

(Start: 229 @29925 has 918 MA's), (261, 29874), (296, 29814), (327, 29751), (341, 29721), (343, 29718), (378, 29661), (382, 29649), (394, 29619), (402, 29592), (448, 29439), (500, 29343), (516, 29295), (527, 29274), (550, 29211), (553, 29205), (586, 29133), (598, 29100), (607, 29085), (614, 29073), (664, 28974), (695, 28839), (704, 28809), (705, 28791), (714, 28773), (719, 28752), (723, 28743), (735, 28686), (745, 28647), (765, 28605), (771, 28587), (786, 28539), (802, 28488), (823, 28434), (828, 28425), (840, 28407), (857, 28347), (862, 28329), (891, 28236), (898, 28212), (903, 28200), (953, 28083), (955, 28080),

Gene: Timmi_59 Start: 54024, Stop: 52165, Start Num: 197

Candidate Starts for Timmi_59:

(Start: 175 @54048 has 5 MA's), (Start: 197 @54024 has 267 MA's), (Start: 231 @54000 has 5 MA's), (Start: 243 @53994 has 2 MA's), (260, 53952), (267, 53931), (316, 53817), (319, 53811), (337, 53781), (371, 53721), (381, 53700), (399, 53646), (403, 53634), (409, 53616), (413, 53604), (445, 53499), (486, 53442), (499, 53406), (502, 53394), (512, 53367), (531, 53322), (553, 53265), (556, 53256), (557, 53253), (690, 52893), (696, 52860), (702, 52839), (729, 52746), (732, 52737), (747, 52674), (765, 52638), (766, 52635), (771, 52620), (796, 52542), (800, 52530), (806, 52509), (822, 52470), (857, 52380), (862, 52362), (864, 52356), (870, 52341), (879, 52317), (881, 52302), (882, 52299), (884, 52287), (892, 52263), (911, 52215), (922, 52191),

Gene: Timothy_45 Start: 30689, Stop: 28902, Start Num: 229

Candidate Starts for Timothy_45:

(Start: 229 @30689 has 918 MA's), (341, 30485), (382, 30413), (394, 30383), (402, 30356), (501, 30104), (519, 30053), (553, 29972), (575, 29927), (611, 29843), (640, 29786), (667, 29744), (678, 29699), (695, 29618), (707, 29567), (719, 29531), (735, 29465), (758, 29405), (763, 29393), (795, 29291), (802, 29267), (807, 29249), (840, 29186), (852, 29159), (853, 29150), (857, 29126), (898, 28991), (903, 28979), (909, 28970),

Gene: Timshel_43 Start: 33330, Stop: 31495, Start Num: 229

Candidate Starts for Timshel_43:

(Start: 229 @33330 has 918 MA's), (296, 33219), (347, 33117), (369, 33081), (381, 33057), (400, 33003), (402, 32997), (408, 32976), (432, 32895), (448, 32844), (497, 32763), (500, 32748), (508, 32721), (514, 32703), (517, 32700), (528, 32679), (543, 32640), (569, 32577), (596, 32511), (598, 32508), (611, 32487), (658, 32397), (668, 32376), (678, 32334), (695, 32253), (705, 32205), (723, 32157), (728, 32130), (735, 32100), (745, 32061), (765, 31992), (766, 31989), (771, 31974), (777, 31950), (792, 31908), (840, 31779), (852, 31752), (857, 31719), (862, 31701), (875, 31668), (898, 31584), (903, 31572), (909, 31563),

Gene: TinSulphur_39 Start: 28936, Stop: 27071, Start Num: 270

Candidate Starts for TinSulphur_39:

(Start: 216 @29023 has 3 MA's), (219, 29020), (Start: 270 @28936 has 147 MA's), (Start: 276 @28927 has 5 MA's), (333, 28822), (336, 28813), (353, 28783), (355, 28780), (408, 28660), (412, 28648), (415, 28642), (449, 28537), (456, 28510), (493, 28369), (497, 28363), (498, 28360), (500, 28348), (508, 28321), (509, 28318), (514, 28303), (516, 28297), (518, 28291), (531, 28258), (629, 28069), (728, 27754), (731, 27745), (732, 27742), (735, 27724), (746, 27682), (748, 27676), (751, 27667), (756, 27652), (773, 27595), (820, 27436), (834, 27406), (836, 27397), (854, 27337), (858, 27313), (870, 27274), (879, 27241), (880, 27229), (896, 27169),

Gene: TinaFeyge_45 Start: 31565, Stop: 29739, Start Num: 229

Candidate Starts for TinaFeyge_45:

(Start: 229 @31565 has 918 MA's), (250, 31544), (261, 31514), (273, 31484), (365, 31322), (376, 31304), (402, 31232), (404, 31223), (441, 31103), (448, 31079), (500, 30986), (517, 30938), (528, 30917), (543, 30878), (598, 30746), (611, 30725), (635, 30680), (640, 30668), (692, 30515), (695, 30494), (728, 30371), (735, 30341), (745, 30302), (765, 30236), (766, 30233), (771, 30218), (777, 30194), (786, 30170), (857, 29963), (898, 29828), (903, 29816), (909, 29807),

Gene: Tinciduntolum_58 Start: 52640, Stop: 50811, Start Num: 189

Candidate Starts for Tinciduntolum_58:

(Start: 189 @52640 has 57 MA's), (Start: 243 @52613 has 2 MA's), (254, 52583), (260, 52571), (271, 52544), (273, 52541), (278, 52532), (298, 52514), (343, 52418), (371, 52367), (382, 52343), (434, 52181), (439, 52166), (442, 52157), (445, 52145), (486, 52088), (499, 52052), (502, 52040), (511, 52016), (546, 51932), (556, 51902), (557, 51899), (570, 51869), (633, 51725), (659, 51659), (673, 51620), (676, 51608), (679, 51587), (684, 51569), (696, 51512), (715, 51455), (723, 51428), (729, 51398), (732, 51389), (747, 51323), (763, 51296), (765, 51287), (771, 51269), (777, 51245), (796, 51191), (800, 51179), (806, 51158), (840, 51089), (857, 51029), (862, 51011), (875, 50978), (879, 50966), (881, 50951), (882, 50948), (884, 50936), (892, 50912), (893, 50909), (911, 50861), (912, 50858), (922, 50837), (925, 50816),

Gene: TinyTimmy_45 Start: 30732, Stop: 28945, Start Num: 229

Candidate Starts for TinyTimmy_45:

(Start: 229 @30732 has 918 MA's), (341, 30528), (382, 30456), (394, 30426), (402, 30399), (501, 30147), (519, 30096), (553, 30015), (575, 29970), (611, 29886), (640, 29829), (667, 29787), (678, 29742), (695, 29661), (707, 29610), (719, 29574), (735, 29508), (758, 29448), (763, 29436), (795, 29334), (802, 29310), (807, 29292), (840, 29229), (852, 29202), (853, 29193), (857, 29169), (898, 29034), (903, 29022), (909, 29013),

Gene: Tinybot_44 Start: 31597, Stop: 29771, Start Num: 229

Candidate Starts for Tinybot_44:

(Start: 229 @31597 has 918 MA's), (250, 31576), (261, 31546), (273, 31516), (365, 31354), (376, 31336), (402, 31264), (404, 31255), (441, 31135), (448, 31111), (500, 31018), (517, 30970), (528, 30949), (543, 30910), (598, 30778), (611, 30757), (635, 30712), (640, 30700), (692, 30547), (695, 30526), (728, 30403), (735, 30373), (745, 30334), (765, 30268), (766, 30265), (771, 30250), (777, 30226), (786, 30202), (857, 29995), (898, 29860), (903, 29848), (909, 29839),

Gene: Tinyman4_37 Start: 27313, Stop: 25415, Start Num: 268

Candidate Starts for Tinyman4_37:

(5, 28051), (6, 28045), (57, 27790), (249, 27364), (Start: 268 @27313 has 18 MA's), (302, 27250), (333, 27199), (353, 27160), (384, 27103), (405, 27046), (408, 27037), (412, 27025), (415, 27019), (429, 26974), (431, 26968), (465, 26866), (474, 26821), (493, 26746), (498, 26737), (500, 26725), (509, 26695), (516, 26674), (521, 26662), (530, 26638), (612, 26488), (694, 26227), (723, 26125), (726, 26104), (735, 26068), (744, 26032), (746, 26026), (773, 25939), (781, 25912), (820, 25780), (836, 25741), (844, 25720), (854, 25681), (858, 25657), (860, 25651), (869, 25624), (896, 25513),

Gene: TipsytheTRex_42 Start: 30574, Stop: 28787, Start Num: 229

Candidate Starts for TipsytheTRex_42:

(Start: 229 @30574 has 918 MA's), (341, 30370), (343, 30367), (347, 30361), (354, 30346), (365, 30331), (382, 30298), (394, 30268), (402, 30241), (408, 30220), (418, 30190), (448, 30088), (500, 29995), (516, 29947), (519, 29938), (528, 29923), (553, 29857), (588, 29776), (611, 29728), (635, 29683), (695, 29503), (705, 29455), (707, 29452), (719, 29416), (735, 29350), (745, 29311), (758, 29290), (781, 29215), (788, 29197), (802, 29152), (811, 29125), (828, 29089), (840, 29071), (853, 29035), (857, 29011), (881, 28933), (898, 28876), (903, 28864), (909, 28855), (911, 28852),

Gene: TiroTheta9_45 Start: 31564, Stop: 29738, Start Num: 229

Candidate Starts for TiroTheta9_45:

(Start: 229 @31564 has 918 MA's), (250, 31543), (261, 31513), (273, 31483), (365, 31321), (376, 31303), (402, 31231), (404, 31222), (441, 31102), (448, 31078), (500, 30985), (517, 30937), (528, 30916), (543, 30877), (598, 30745), (611, 30724), (635, 30679), (640, 30667), (692, 30514), (695, 30493), (728, 30370), (735, 30340), (745, 30301), (765, 30235), (766, 30232), (771, 30217), (777, 30193), (786, 30169), (857, 29962), (898, 29827), (903, 29815), (909, 29806),

Gene: Toaka_44 Start: 30969, Stop: 29176, Start Num: 228

Candidate Starts for Toaka_44:

(Start: 228 @30969 has 10 MA's), (Start: 244 @30960 has 1 MA's), (325, 30798), (327, 30795), (341, 30765), (361, 30732), (383, 30687), (394, 30660), (398, 30645), (402, 30633), (418, 30582), (441, 30504), (448, 30480), (500, 30387), (519, 30330), (566, 30219), (608, 30123), (666, 30021), (668, 30015), (695, 29892), (723, 29796), (728, 29769), (732, 29757), (735, 29739), (765, 29658), (802, 29541), (853, 29424), (898, 29265), (903, 29253),

Gene: Todacoro_44 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for Todacoro_44:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Tolls_44 Start: 32396, Stop: 30009, Start Num: 39

Candidate Starts for Tolls_44:

(16, 32468), (19, 32453), (Start: 39 @32396 has 23 MA's), (44, 32387), (46, 32381), (66, 32300), (106, 32180), (121, 32129), (211, 31997), (241, 31970), (283, 31877), (311, 31832), (352, 31754), (379, 31706), (398, 31652), (399, 31649), (405, 31631), (412, 31610), (429, 31559), (432, 31550), (433, 31547), (456, 31472), (469, 31427), (484, 31367), (489, 31352), (513, 31268), (547, 31223), (570, 31199), (586, 31193), (594, 31169), (633, 31091), (634, 31088), (635, 31085), (685, 30938), (701, 30869), (726, 30770), (735, 30734), (744, 30698), (746, 30692), (748, 30686), (750, 30680), (757, 30656), (766, 30623), (773, 30599), (783, 30554), (801, 30494), (854, 30341), (862, 30302), (863,

30299), (896, 30173), (910, 30128), (914, 30119),

Gene: TomBombadil_60 Start: 54309, Stop: 52450, Start Num: 197

Candidate Starts for TomBombadil_60:

(Start: 175 @54333 has 5 MA's), (Start: 197 @54309 has 267 MA's), (Start: 231 @54285 has 5 MA's), (Start: 243 @54279 has 2 MA's), (260, 54237), (267, 54216), (316, 54102), (319, 54096), (337, 54066), (371, 54006), (381, 53985), (399, 53931), (403, 53919), (409, 53901), (413, 53889), (445, 53784), (486, 53727), (499, 53691), (502, 53679), (512, 53652), (524, 53625), (531, 53607), (539, 53589), (553, 53550), (556, 53541), (557, 53538), (664, 53280), (690, 53178), (696, 53145), (702, 53124), (729, 53031), (732, 53022), (747, 52959), (765, 52923), (766, 52920), (771, 52905), (796, 52827), (800, 52815), (806, 52794), (822, 52755), (857, 52665), (862, 52647), (864, 52641), (870, 52626), (879, 52602), (881, 52587), (882, 52584), (884, 52572), (892, 52548), (911, 52500), (922, 52476),

Gene: Tomathan_47 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for Tomathan_47:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649, 30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (837, 29620), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: Tomlarah_61 Start: 54878, Stop: 53019, Start Num: 197

Candidate Starts for Tomlarah_61:

(Start: 175 @54902 has 5 MA's), (Start: 197 @54878 has 267 MA's), (Start: 231 @54854 has 5 MA's), (Start: 243 @54848 has 2 MA's), (260, 54806), (267, 54785), (316, 54671), (319, 54665), (337, 54635), (371, 54575), (381, 54554), (399, 54500), (403, 54488), (409, 54470), (413, 54458), (445, 54353), (486, 54296), (499, 54260), (502, 54248), (512, 54221), (524, 54194), (531, 54176), (539, 54158), (553, 54119), (556, 54110), (557, 54107), (664, 53849), (690, 53747), (696, 53714), (702, 53693), (729, 53600), (732, 53591), (747, 53528), (765, 53492), (766, 53489), (771, 53474), (796, 53396), (800, 53384), (806, 53363), (822, 53324), (857, 53234), (862, 53216), (864, 53210), (870, 53195), (879, 53171), (881, 53156), (882, 53153), (884, 53141), (892, 53117), (911, 53069), (922, 53045),

Gene: ToneTone_42 Start: 29354, Stop: 27513, Start Num: 229

Candidate Starts for ToneTone_42:

(Start: 203 @29384 has 1 MA's), (Start: 229 @29354 has 918 MA's), (341, 29150), (382, 29075), (383, 29072), (394, 29045), (398, 29030), (402, 29018), (418, 28967), (444, 28877), (448, 28865), (500, 28772), (512, 28733), (519, 28715), (528, 28700), (553, 28634), (567, 28601), (569, 28598), (615, 28496), (649, 28436), (678, 28352), (695, 28271), (718, 28187), (719, 28184), (723, 28175), (728, 28148), (735, 28118), (758, 28058), (771, 28019), (853, 27803), (854, 27800), (857, 27779), (898, 27644), (903, 27632), (909, 27623), (911, 27620), (947, 27527),

Gene: Toni_60 Start: 54471, Stop: 52612, Start Num: 197

Candidate Starts for Toni_60:

(Start: 175 @54495 has 5 MA's), (Start: 197 @54471 has 267 MA's), (Start: 231 @54447 has 5 MA's), (Start: 243 @54441 has 2 MA's), (260, 54399), (267, 54378), (316, 54264), (319, 54258), (337, 54228), (371, 54168), (381, 54147), (399, 54093), (403, 54081), (409, 54063), (413, 54051), (445, 53946), (486, 53889), (499, 53853), (502, 53841), (512, 53814), (524, 53787), (531, 53769), (539, 53751), (553, 53712), (556, 53703), (557, 53700), (558, 53697), (690, 53340), (696, 53307), (702, 53286), (729, 53193), (732, 53184), (747, 53121), (765, 53085), (766, 53082), (771, 53067), (796, 52989), (800, 52977), (806, 52956), (822, 52917), (857, 52827), (862, 52809), (864, 52803), (870,

52788), (879, 52764), (881, 52749), (882, 52746), (884, 52734), (892, 52710), (911, 52662), (922, 52638),

Gene: Tooj_59 Start: 53694, Stop: 51835, Start Num: 197

Candidate Starts for Tooj_59:

(Start: 175 @53718 has 5 MA's), (Start: 197 @53694 has 267 MA's), (Start: 231 @53670 has 5 MA's), (Start: 243 @53664 has 2 MA's), (260, 53622), (267, 53601), (316, 53487), (319, 53481), (337, 53451), (371, 53391), (381, 53370), (399, 53316), (403, 53304), (409, 53286), (413, 53274), (445, 53169), (486, 53112), (499, 53076), (502, 53064), (512, 53037), (516, 53028), (531, 52992), (553, 52935), (556, 52926), (557, 52923), (558, 52920), (690, 52563), (696, 52530), (702, 52509), (729, 52416), (732, 52407), (747, 52344), (765, 52308), (766, 52305), (771, 52290), (796, 52212), (800, 52200), (806, 52179), (822, 52140), (857, 52050), (862, 52032), (864, 52026), (870, 52011), (879, 51987), (881, 51972), (882, 51969), (884, 51957), (892, 51933), (911, 51885), (922, 51861),

Gene: Topanga_42 Start: 31142, Stop: 29307, Start Num: 229

Candidate Starts for Topanga_42:

(Start: 229 @31142 has 918 MA's), (261, 31091), (298, 31025), (341, 30938), (354, 30914), (378, 30878), (382, 30866), (402, 30809), (404, 30800), (429, 30716), (441, 30680), (444, 30668), (448, 30656), (500, 30563), (517, 30515), (543, 30455), (553, 30428), (596, 30326), (598, 30323), (611, 30302), (614, 30296), (668, 30188), (695, 30065), (705, 30017), (728, 29942), (735, 29912), (742, 29882), (745, 29873), (765, 29804), (766, 29801), (777, 29762), (786, 29738), (788, 29732), (792, 29720), (857, 29531), (864, 29507), (883, 29444), (898, 29396), (903, 29384), (909, 29375),

Gene: Topgun_44 Start: 34288, Stop: 32462, Start Num: 229

Candidate Starts for Topgun_44:

(Start: 229 @34288 has 918 MA's), (347, 34075), (354, 34060), (382, 34012), (394, 33982), (400, 33961), (402, 33955), (404, 33946), (440, 33829), (448, 33802), (500, 33709), (504, 33694), (539, 33610), (540, 33607), (566, 33541), (580, 33511), (592, 33481), (614, 33436), (635, 33397), (695, 33217), (705, 33169), (719, 33130), (735, 33064), (745, 33025), (758, 33004), (765, 32983), (771, 32965), (792, 32899), (853, 32749), (854, 32746), (861, 32710), (870, 32686), (874, 32677), (878, 32665), (890, 32617), (898, 32590), (909, 32569),

Gene: Toro_45 Start: 33412, Stop: 31577, Start Num: 229

Candidate Starts for Toro_45:

(Start: 229 @33412 has 918 MA's), (250, 33391), (296, 33301), (369, 33163), (400, 33085), (402, 33079), (448, 32926), (498, 32842), (500, 32830), (514, 32785), (517, 32782), (543, 32722), (564, 32671), (569, 32659), (611, 32569), (635, 32524), (668, 32455), (678, 32413), (692, 32353), (695, 32332), (705, 32284), (723, 32236), (728, 32209), (729, 32206), (735, 32179), (745, 32140), (766, 32071), (777, 32032), (792, 31990), (793, 31987), (802, 31957), (840, 31861), (852, 31834), (861, 31786), (862, 31783), (898, 31666), (903, 31654), (909, 31645),

Gene: Tote_40 Start: 31416, Stop: 29587, Start Num: 229

Candidate Starts for Tote_40:

(Start: 229 @31416 has 918 MA's), (347, 31203), (354, 31188), (382, 31140), (394, 31110), (400, 31089), (402, 31083), (404, 31074), (440, 30957), (448, 30930), (500, 30837), (504, 30822), (511, 30801), (539, 30738), (540, 30735), (566, 30669), (580, 30639), (592, 30609), (614, 30564), (635, 30525), (695, 30345), (705, 30297), (723, 30249), (732, 30210), (735, 30192), (745, 30153), (758, 30132), (765, 30111), (770, 30096), (808, 29973), (875, 29802), (880, 29778), (895, 29730), (898, 29718), (909, 29697), (912, 29691), (928, 29643), (935, 29628),

Gene: Traft412_45 Start: 35231, Stop: 33405, Start Num: 229

Candidate Starts for Traft412_45:

(Start: 229 @35231 has 918 MA's), (347, 35018), (354, 35003), (394, 34925), (400, 34904), (402, 34898), (404, 34889), (440, 34772), (448, 34745), (500, 34652), (504, 34637), (511, 34616), (539, 34553), (540, 34550), (560, 34496), (566, 34484), (580, 34454), (592, 34424), (614, 34379), (635, 34340), (695, 34160), (705, 34112), (719, 34073), (735, 34007), (745, 33968), (758, 33947), (765, 33926), (771, 33908), (792, 33842), (853, 33692), (854, 33689), (861, 33653), (870, 33629), (874, 33620), (878, 33608), (883, 33581), (898, 33533), (909, 33512),

Gene: Travvers_47 Start: 31153, Stop: 29330, Start Num: 229

Candidate Starts for Travvers_47:

(Start: 229 @31153 has 918 MA's), (341, 30949), (354, 30925), (365, 30907), (376, 30889), (382, 30874), (383, 30871), (394, 30844), (402, 30817), (418, 30766), (448, 30664), (500, 30571), (516, 30523), (519, 30514), (527, 30502), (528, 30499), (553, 30433), (580, 30373), (635, 30259), (649, 30235), (667, 30196), (695, 30070), (707, 30019), (719, 29983), (735, 29917), (745, 29878), (766, 29809), (777, 29770), (793, 29725), (802, 29695), (828, 29632), (840, 29614), (857, 29554), (898, 29419), (903, 29407), (909, 29398),

Gene: Treddle_46 Start: 35746, Stop: 33920, Start Num: 229

Candidate Starts for Treddle_46:

(Start: 229 @35746 has 918 MA's), (347, 35533), (354, 35518), (382, 35470), (394, 35440), (400, 35419), (402, 35413), (404, 35404), (440, 35287), (448, 35260), (500, 35167), (504, 35152), (539, 35068), (540, 35065), (566, 34999), (580, 34969), (592, 34939), (614, 34894), (635, 34855), (695, 34675), (705, 34627), (719, 34588), (735, 34522), (765, 34441), (766, 34438), (792, 34357), (853, 34207), (854, 34204), (861, 34168), (870, 34144), (874, 34135), (878, 34123), (898, 34048), (909, 34027),

Gene: Tres_57 Start: 52494, Stop: 50665, Start Num: 189

Candidate Starts for Tres_57:

(Start: 189 @52494 has 57 MA's), (Start: 243 @52467 has 2 MA's), (254, 52437), (260, 52425), (271, 52398), (273, 52395), (278, 52386), (298, 52368), (343, 52272), (371, 52221), (382, 52197), (434, 52035), (442, 52011), (445, 51999), (486, 51942), (499, 51906), (502, 51894), (511, 51870), (546, 51786), (556, 51756), (557, 51753), (570, 51723), (633, 51579), (659, 51513), (673, 51474), (676, 51462), (679, 51441), (684, 51423), (696, 51366), (715, 51309), (723, 51282), (729, 51252), (732, 51243), (747, 51177), (763, 51150), (765, 51141), (771, 51123), (777, 51099), (796, 51045), (800, 51033), (806, 51012), (840, 50943), (857, 50883), (862, 50865), (875, 50832), (879, 50820), (881, 50805), (882, 50802), (884, 50790), (892, 50766), (893, 50763), (911, 50715), (912, 50712), (922, 50691), (925, 50670),

Gene: Trike_42 Start: 30393, Stop: 28561, Start Num: 229

Candidate Starts for Trike_42:

(Start: 229 @30393 has 918 MA's), (261, 30342), (298, 30276), (341, 30189), (347, 30180), (378, 30129), (382, 30117), (402, 30060), (425, 29979), (429, 29967), (432, 29958), (441, 29931), (448, 29907), (500, 29814), (512, 29775), (543, 29706), (553, 29679), (614, 29547), (695, 29319), (714, 29253), (728, 29196), (735, 29166), (745, 29127), (766, 29055), (771, 29040), (777, 29016), (792, 28974), (802, 28941), (857, 28785), (864, 28761), (883, 28698), (898, 28650), (903, 28638), (909, 28629),

Gene: Trine_42 Start: 34854, Stop: 32935, Start Num: 162

Candidate Starts for Trine_42:

(Start: 162 @34854 has 2 MA's), (Start: 190 @34812 has 1 MA's), (207, 34788), (Start: 238 @34758 has 44 MA's), (254, 34722), (260, 34710), (273, 34680), (340, 34560), (373, 34500), (391, 34455), (399, 34428), (413, 34389), (418, 34377), (435, 34326), (445, 34293), (481, 34260), (485, 34242), (499, 34203), (537, 34107), (547, 34080), (553, 34062), (557, 34050), (570, 34020), (656, 33816), (676, 33747), (682, 33717), (684, 33708), (690, 33684), (696, 33651), (723, 33570), (729, 33540),

(758, 33450), (765, 33429), (766, 33426), (771, 33411), (777, 33387), (796, 33333), (800, 33321), (823, 33258), (847, 33204), (852, 33186), (882, 33072), (892, 33036), (911, 32985), (922, 32961), (925, 32940),

Gene: Tripl3t_45 Start: 35417, Stop: 33591, Start Num: 229

Candidate Starts for Tripl3t_45:

(Start: 229 @35417 has 918 MA's), (347, 35204), (354, 35189), (382, 35141), (394, 35111), (400, 35090), (402, 35084), (404, 35075), (440, 34958), (448, 34931), (500, 34838), (504, 34823), (516, 34790), (539, 34739), (540, 34736), (566, 34670), (580, 34640), (592, 34610), (614, 34565), (635, 34526), (695, 34346), (705, 34298), (719, 34259), (735, 34193), (745, 34154), (758, 34133), (765, 34112), (771, 34094), (792, 34028), (853, 33878), (854, 33875), (861, 33839), (870, 33815), (874, 33806), (878, 33794), (898, 33719), (909, 33698),

Gene: Triscuit_70 Start: 43915, Stop: 46587, Start Num: 21

Candidate Starts for Triscuit_70:

(Start: 21 @43915 has 2 MA's), (44, 44005), (45, 44008), (46, 44011), (60, 44071), (156, 44317), (Start: 269 @44494 has 4 MA's), (Start: 276 @44506 has 5 MA's), (300, 44551), (309, 44566), (320, 44593), (371, 44692), (384, 44722), (398, 44761), (412, 44803), (431, 44860), (436, 44875), (459, 44929), (489, 45040), (534, 45181), (543, 45205), (599, 45355), (601, 45358), (609, 45376), (630, 45433), (655, 45493), (674, 45553), (721, 45748), (735, 45811), (752, 45874), (773, 45949), (794, 46030), (803, 46060), (826, 46120), (844, 46168), (854, 46207), (859, 46234), (861, 46243), (878, 46306), (879, 46309), (896, 46381), (898, 46390), (907, 46420), (946, 46528), (954, 46546), (957, 46564),

Gene: Trixie_44 Start: 31811, Stop: 30024, Start Num: 229

Candidate Starts for Trixie_44:

(Start: 229 @31811 has 918 MA's), (343, 31604), (347, 31598), (354, 31583), (365, 31568), (383, 31532), (394, 31505), (402, 31478), (408, 31457), (418, 31427), (448, 31325), (500, 31232), (516, 31184), (519, 31175), (528, 31160), (553, 31094), (611, 30965), (695, 30740), (707, 30689), (718, 30656), (719, 30653), (735, 30587), (745, 30548), (758, 30527), (781, 30452), (786, 30440), (788, 30434), (828, 30326), (853, 30272), (857, 30248), (877, 30191), (881, 30170), (898, 30113), (903, 30101), (911, 30089),

Gene: Troje_45 Start: 32853, Stop: 30463, Start Num: 32

Candidate Starts for Troje_45:

(Start: 32 @32853 has 16 MA's), (58, 32790), (63, 32772), (66, 32757), (83, 32703), (87, 32691), (94, 32670), (106, 32637), (116, 32610), (121, 32586), (147, 32559), (211, 32454), (251, 32406), (311, 32289), (352, 32208), (368, 32181), (379, 32160), (398, 32106), (399, 32103), (405, 32085), (412, 32064), (432, 32004), (489, 31806), (500, 31764), (547, 31677), (570, 31653), (586, 31647), (609, 31593), (612, 31587), (633, 31545), (634, 31542), (635, 31539), (685, 31392), (693, 31350), (701, 31323), (712, 31281), (735, 31188), (744, 31152), (746, 31146), (748, 31140), (750, 31134), (757, 31110), (766, 31077), (773, 31053), (783, 31008), (830, 30873), (895, 30630), (896, 30627), (910, 30582), (914, 30573), (935, 30513),

Gene: Trooper_45 Start: 31579, Stop: 29792, Start Num: 228

Candidate Starts for Trooper_45:

(Start: 228 @31579 has 10 MA's), (343, 31372), (347, 31366), (354, 31351), (365, 31336), (382, 31303), (383, 31300), (394, 31273), (402, 31246), (404, 31237), (448, 31093), (451, 31084), (500, 31000), (516, 30952), (519, 30943), (528, 30928), (553, 30862), (588, 30781), (611, 30733), (614, 30727), (678, 30589), (695, 30508), (718, 30424), (719, 30421), (735, 30355), (745, 30316), (758, 30295), (781, 30220), (786, 30208), (828, 30094), (837, 30082), (840, 30076), (853, 30040), (857, 30016), (877, 29959), (881, 29938), (898, 29881), (903, 29869),

Gene: Trouble_46 Start: 35902, Stop: 34073, Start Num: 229

Candidate Starts for Trouble_46:

(Start: 229 @35902 has 918 MA's), (354, 35674), (394, 35596), (400, 35575), (402, 35569), (404, 35560), (440, 35443), (448, 35416), (500, 35323), (504, 35308), (516, 35275), (539, 35224), (540, 35221), (566, 35155), (580, 35125), (592, 35095), (614, 35050), (635, 35011), (695, 34831), (705, 34783), (723, 34735), (732, 34696), (735, 34678), (745, 34639), (758, 34618), (765, 34597), (770, 34582), (808, 34459), (861, 34324), (875, 34288), (880, 34264), (895, 34216), (898, 34204), (909, 34183), (912, 34177), (928, 34129), (935, 34114),

Gene: TroyPia_46 Start: 31568, Stop: 29742, Start Num: 229

Candidate Starts for TroyPia_46:

(Start: 229 @31568 has 918 MA's), (250, 31547), (261, 31517), (273, 31487), (365, 31325), (376, 31307), (402, 31235), (404, 31226), (441, 31106), (448, 31082), (500, 30989), (517, 30941), (528, 30920), (543, 30881), (598, 30749), (611, 30728), (635, 30683), (640, 30671), (692, 30518), (695, 30497), (728, 30374), (735, 30344), (745, 30305), (765, 30239), (766, 30236), (771, 30221), (777, 30197), (786, 30173), (857, 29966), (898, 29831), (903, 29819), (909, 29810),

Gene: True_59 Start: 54034, Stop: 52175, Start Num: 197

Candidate Starts for True_59:

(Start: 175 @54058 has 5 MA's), (Start: 197 @54034 has 267 MA's), (Start: 231 @54010 has 5 MA's), (Start: 243 @54004 has 2 MA's), (260, 53962), (267, 53941), (316, 53827), (319, 53821), (337, 53791), (371, 53731), (381, 53710), (399, 53656), (403, 53644), (409, 53626), (413, 53614), (445, 53509), (486, 53452), (499, 53416), (502, 53404), (511, 53380), (516, 53368), (524, 53350), (531, 53332), (539, 53314), (553, 53275), (556, 53266), (557, 53263), (558, 53260), (690, 52903), (696, 52870), (702, 52849), (729, 52756), (732, 52747), (747, 52684), (765, 52648), (766, 52645), (771, 52630), (796, 52552), (800, 52540), (806, 52519), (822, 52480), (857, 52390), (862, 52372), (864, 52366), (870, 52351), (879, 52327), (881, 52312), (882, 52309), (884, 52297), (892, 52273), (911, 52225), (922, 52201),

Gene: Trypo_63 Start: 54706, Stop: 52847, Start Num: 197

Candidate Starts for Trypo_63:

(Start: 175 @54730 has 5 MA's), (Start: 197 @54706 has 267 MA's), (Start: 231 @54682 has 5 MA's), (Start: 243 @54676 has 2 MA's), (260, 54634), (267, 54613), (316, 54499), (319, 54493), (337, 54463), (371, 54403), (381, 54382), (399, 54328), (403, 54316), (409, 54298), (413, 54286), (445, 54181), (486, 54124), (499, 54088), (502, 54076), (511, 54052), (516, 54040), (524, 54022), (531, 54004), (539, 53986), (553, 53947), (556, 53938), (557, 53935), (558, 53932), (664, 53677), (690, 53575), (696, 53542), (702, 53521), (729, 53428), (732, 53419), (747, 53356), (765, 53320), (766, 53317), (771, 53302), (796, 53224), (800, 53212), (806, 53191), (822, 53152), (857, 53062), (862, 53044), (864, 53038), (870, 53023), (879, 52999), (881, 52984), (882, 52981), (884, 52969), (892, 52945), (898, 52924), (911, 52897), (922, 52873),

Gene: Tubs_45 Start: 31483, Stop: 29690, Start Num: 229

Candidate Starts for Tubs_45:

(Start: 229 @31483 has 918 MA's), (Start: 244 @31474 has 1 MA's), (261, 31432), (325, 31312), (327, 31309), (350, 31261), (383, 31201), (395, 31171), (398, 31159), (402, 31147), (448, 30994), (500, 30901), (553, 30763), (566, 30733), (640, 30574), (649, 30562), (666, 30535), (692, 30427), (695, 30406), (732, 30271), (735, 30253), (765, 30172), (777, 30130), (802, 30055), (837, 29980), (853, 29938), (881, 29836), (898, 29779), (903, 29767), (909, 29758),

Gene: Tuck_44 Start: 31714, Stop: 33579, Start Num: 229

Candidate Starts for Tuck_44:

(Start: 229 @31714 has 918 MA's), (260, 31762), (341, 31918), (394, 32011), (421, 32101), (501, 32308), (540, 32407), (543, 32416), (548, 32431), (553, 32443), (588, 32521), (611, 32569), (640,

32626), (669, 32707), (695, 32827), (704, 32857), (719, 32914), (735, 32980), (764, 33073), (786, 33145), (825, 33253), (853, 33316), (898, 33475), (902, 33484), (936, 33562),

Gene: Tucker_46 Start: 29792, Stop: 27951, Start Num: 229

Candidate Starts for Tucker_46:

(Start: 203 @29822 has 1 MA's), (Start: 229 @29792 has 918 MA's), (341, 29588), (382, 29513), (383, 29510), (394, 29483), (398, 29468), (402, 29456), (418, 29405), (444, 29315), (448, 29303), (500, 29210), (512, 29171), (519, 29153), (528, 29138), (553, 29072), (567, 29039), (569, 29036), (615, 28934), (649, 28874), (678, 28790), (695, 28709), (718, 28625), (719, 28622), (723, 28613), (728, 28586), (735, 28556), (758, 28496), (771, 28457), (853, 28241), (854, 28238), (857, 28217), (898, 28082), (903, 28070), (909, 28061), (911, 28058), (947, 27965),

Gene: TukTuk_43 Start: 29558, Stop: 31432, Start Num: 229

Candidate Starts for TukTuk_43:

(Start: 226 @29555 has 7 MA's), (Start: 229 @29558 has 918 MA's), (266, 29627), (280, 29648), (382, 29828), (404, 29894), (418, 29936), (543, 30230), (598, 30365), (648, 30464), (683, 30587), (695, 30647), (698, 30653), (707, 30698), (716, 30728), (726, 30764), (735, 30800), (764, 30893), (793, 30986), (821, 31064), (853, 31136), (861, 31175), (877, 31217), (880, 31235), (898, 31295), (909, 31316),

Gene: Turab_38 Start: 28808, Stop: 30673, Start Num: 229

Candidate Starts for Turab_38:

(Start: 229 @28808 has 918 MA's), (260, 28856), (341, 29012), (400, 29126), (421, 29195), (501, 29402), (540, 29501), (543, 29510), (548, 29525), (553, 29537), (567, 29570), (611, 29663), (640, 29720), (669, 29801), (695, 29921), (704, 29951), (719, 30008), (733, 30065), (735, 30074), (764, 30167), (786, 30239), (789, 30248), (825, 30347), (853, 30410), (891, 30545), (898, 30569), (902, 30578), (936, 30656),

Gene: Turbido_45 Start: 31617, Stop: 29830, Start Num: 229

Candidate Starts for Turbido_45:

(154, 31704), (Start: 229 @31617 has 918 MA's), (343, 31410), (347, 31404), (354, 31389), (365, 31374), (383, 31338), (394, 31311), (402, 31284), (408, 31263), (448, 31131), (500, 31038), (516, 30990), (519, 30981), (528, 30966), (553, 30900), (588, 30819), (611, 30771), (614, 30765), (649, 30702), (695, 30546), (707, 30495), (718, 30462), (719, 30459), (735, 30393), (745, 30354), (758, 30333), (781, 30258), (786, 30246), (802, 30195), (828, 30132), (840, 30114), (853, 30078), (857, 30054), (881, 29976), (898, 29919), (903, 29907), (909, 29898),

Gene: Turj99_42 Start: 33989, Stop: 32163, Start Num: 229

Candidate Starts for Turj99_42:

(Start: 229 @33989 has 918 MA's), (347, 33776), (354, 33761), (394, 33683), (397, 33671), (400, 33662), (402, 33656), (404, 33647), (440, 33530), (448, 33503), (500, 33410), (504, 33395), (516, 33362), (539, 33311), (540, 33308), (560, 33254), (566, 33242), (580, 33212), (592, 33182), (614, 33137), (635, 33098), (695, 32918), (705, 32870), (707, 32867), (719, 32831), (735, 32765), (745, 32726), (758, 32705), (765, 32684), (771, 32666), (792, 32600), (853, 32450), (854, 32447), (861, 32411), (870, 32387), (874, 32378), (878, 32366), (890, 32318), (898, 32291), (909, 32270),

Gene: Tutumahutu_42 Start: 29675, Stop: 31540, Start Num: 229

Candidate Starts for Tutumahutu_42:

(91, 29414), (Start: 162 @29597 has 2 MA's), (Start: 229 @29675 has 918 MA's), (260, 29723), (394, 29972), (421, 30062), (501, 30269), (504, 30278), (540, 30368), (543, 30377), (548, 30392), (567, 30437), (588, 30482), (611, 30530), (640, 30587), (669, 30668), (689, 30755), (695, 30788), (704, 30818), (719, 30875), (735, 30941), (764, 31034), (786, 31106), (825, 31214), (853, 31277), (857, 31301), (891, 31412), (898, 31436), (902, 31445),

Gene: Tweety19_41 Start: 28185, Stop: 30029, Start Num: 229

Candidate Starts for Tweety19_41:

(Start: 229 @28185 has 918 MA's), (260, 28233), (295, 28293), (341, 28389), (364, 28416), (383, 28455), (400, 28503), (421, 28572), (501, 28758), (543, 28866), (548, 28881), (605, 29010), (611, 29019), (669, 29157), (695, 29277), (719, 29364), (733, 29421), (735, 29430), (764, 29523), (853, 29766), (898, 29925), (902, 29934), (936, 30012),

Gene: Twister_42 Start: 31053, Stop: 29218, Start Num: 229

Candidate Starts for Twister_42:

(Start: 229 @31053 has 918 MA's), (261, 31002), (298, 30936), (341, 30849), (354, 30825), (378, 30789), (382, 30777), (402, 30720), (404, 30711), (429, 30627), (441, 30591), (444, 30579), (448, 30567), (500, 30474), (517, 30426), (543, 30366), (553, 30339), (596, 30237), (598, 30234), (611, 30213), (614, 30207), (668, 30099), (695, 29976), (705, 29928), (728, 29853), (735, 29823), (742, 29793), (745, 29784), (765, 29715), (766, 29712), (777, 29673), (786, 29649), (788, 29643), (792, 29631), (857, 29442), (864, 29418), (883, 29355), (898, 29307), (903, 29295), (909, 29286),

Gene: TwoPeat_45 Start: 34739, Stop: 32910, Start Num: 229

Candidate Starts for TwoPeat_45:

(Start: 229 @34739 has 918 MA's), (347, 34526), (354, 34511), (382, 34463), (394, 34433), (400, 34412), (402, 34406), (404, 34397), (440, 34280), (448, 34253), (500, 34160), (504, 34145), (511, 34124), (539, 34061), (540, 34058), (566, 33992), (580, 33962), (592, 33932), (614, 33887), (635, 33848), (695, 33668), (705, 33620), (723, 33572), (732, 33533), (735, 33515), (745, 33476), (758, 33455), (765, 33434), (770, 33419), (808, 33296), (875, 33125), (880, 33101), (895, 33053), (898, 33041), (909, 33020), (912, 33014), (928, 32966), (935, 32951),

Gene: Tydolla_56 Start: 53884, Stop: 52067, Start Num: 238

Candidate Starts for Tydolla_56:

(64, 54268), (124, 54067), (Start: 238 @53884 has 44 MA's), (253, 53854), (347, 53674), (408, 53521), (412, 53509), (422, 53479), (426, 53473), (445, 53410), (447, 53404), (486, 53353), (498, 53326), (499, 53317), (516, 53269), (557, 53164), (596, 53068), (627, 53017), (676, 52873), (684, 52834), (691, 52804), (696, 52777), (700, 52765), (727, 52669), (729, 52663), (732, 52654), (734, 52642), (759, 52570), (765, 52540), (771, 52522), (773, 52513), (796, 52444), (800, 52432), (806, 52411), (840, 52342), (849, 52327), (854, 52303), (857, 52282), (862, 52264), (864, 52258), (877, 52225), (879, 52219), (882, 52201), (884, 52189), (888, 52177), (892, 52165), (908, 52123), (922, 52093),

Gene: TygerBlood_45 Start: 31570, Stop: 29744, Start Num: 229

Candidate Starts for TygerBlood_45:

(Start: 229 @31570 has 918 MA's), (250, 31549), (261, 31519), (273, 31489), (365, 31327), (376, 31309), (402, 31237), (404, 31228), (441, 31108), (448, 31084), (500, 30991), (517, 30943), (528, 30922), (543, 30883), (598, 30751), (611, 30730), (635, 30685), (640, 30673), (692, 30520), (695, 30499), (728, 30376), (735, 30346), (745, 30307), (765, 30241), (766, 30238), (771, 30223), (777, 30199), (786, 30175), (857, 29968), (898, 29833), (903, 29821), (909, 29812),

Gene: Typhonomachy_43 Start: 32264, Stop: 29871, Start Num: 32

Candidate Starts for Typhonomachy_43:

(Start: 32 @32264 has 16 MA's), (42, 32258), (Start: 55 @32210 has 1 MA's), (66, 32168), (76, 32144), (116, 32018), (121, 31994), (156, 31949), (186, 31898), (198, 31883), (211, 31862), (251, 31814), (266, 31772), (311, 31697), (315, 31685), (352, 31616), (368, 31589), (371, 31583), (379, 31568), (398, 31514), (399, 31511), (405, 31493), (412, 31472), (469, 31289), (470, 31283), (489, 31214), (500, 31172), (547, 31085), (570, 31061), (586, 31055), (594, 31031), (599, 31022), (606, 31007), (612, 30995), (633, 30953), (634, 30950), (635, 30947), (685, 30800), (701, 30731), (702,

30725), (712, 30689), (735, 30596), (737, 30587), (744, 30560), (746, 30554), (748, 30548), (750, 30542), (766, 30485), (773, 30461), (783, 30416), (896, 30035), (910, 29990), (914, 29981), (935, 29921),

Gene: TyrionL_61 Start: 54131, Stop: 52272, Start Num: 197

Candidate Starts for TyrionL_61:

(Start: 175 @54155 has 5 MA's), (Start: 197 @54131 has 267 MA's), (Start: 231 @54107 has 5 MA's), (Start: 243 @54101 has 2 MA's), (260, 54059), (267, 54038), (316, 53924), (319, 53918), (337, 53888), (371, 53828), (381, 53807), (399, 53753), (403, 53741), (409, 53723), (413, 53711), (445, 53606), (486, 53549), (499, 53513), (502, 53501), (511, 53477), (516, 53465), (524, 53447), (531, 53429), (539, 53411), (553, 53372), (556, 53363), (557, 53360), (558, 53357), (664, 53102), (690, 53000), (696, 52967), (702, 52946), (729, 52853), (732, 52844), (747, 52781), (765, 52745), (766, 52742), (771, 52727), (796, 52649), (800, 52637), (806, 52616), (822, 52577), (857, 52487), (862, 52469), (864, 52463), (870, 52448), (879, 52424), (881, 52409), (882, 52406), (884, 52394), (892, 52370), (898, 52349), (911, 52322), (922, 52298), (924, 52283),

Gene: U2_43 Start: 34422, Stop: 32596, Start Num: 229

Candidate Starts for U2_43:

(Start: 229 @34422 has 918 MA's), (347, 34209), (354, 34194), (382, 34146), (394, 34116), (400, 34095), (402, 34089), (404, 34080), (448, 33936), (500, 33843), (504, 33828), (539, 33744), (540, 33741), (566, 33675), (592, 33615), (614, 33570), (635, 33531), (695, 33351), (705, 33303), (719, 33264), (735, 33198), (745, 33159), (758, 33138), (765, 33117), (771, 33099), (792, 33033), (853, 32883), (854, 32880), (861, 32844), (870, 32820), (874, 32811), (878, 32799), (898, 32724), (909, 32703),

Gene: UAch1_60 Start: 54265, Stop: 52406, Start Num: 197

Candidate Starts for UAch1_60:

(Start: 175 @54289 has 5 MA's), (Start: 197 @54265 has 267 MA's), (Start: 231 @54241 has 5 MA's), (Start: 243 @54235 has 2 MA's), (260, 54193), (267, 54172), (316, 54058), (319, 54052), (337, 54022), (371, 53962), (381, 53941), (399, 53887), (403, 53875), (409, 53857), (413, 53845), (445, 53740), (486, 53683), (499, 53647), (502, 53635), (511, 53611), (516, 53599), (524, 53581), (531, 53563), (539, 53545), (553, 53506), (556, 53497), (557, 53494), (558, 53491), (690, 53134), (696, 53101), (702, 53080), (729, 52987), (732, 52978), (747, 52915), (765, 52879), (766, 52876), (771, 52861), (796, 52783), (800, 52771), (806, 52750), (822, 52711), (857, 52621), (862, 52603), (864, 52597), (870, 52582), (879, 52558), (881, 52543), (882, 52540), (884, 52528), (892, 52504), (911, 52456), (922, 52432),

Gene: Ugenie5_42 Start: 31726, Stop: 29933, Start Num: 229

Candidate Starts for Ugenie5_42:

(Start: 229 @31726 has 918 MA's), (Start: 244 @31717 has 1 MA's), (261, 31675), (325, 31555), (327, 31552), (350, 31504), (383, 31444), (395, 31414), (398, 31402), (402, 31390), (448, 31237), (500, 31144), (553, 31006), (566, 30976), (640, 30817), (649, 30805), (666, 30778), (692, 30670), (695, 30649), (732, 30514), (735, 30496), (765, 30415), (777, 30373), (802, 30298), (808, 30277), (837, 30223), (853, 30181), (881, 30079), (898, 30022), (903, 30010), (909, 30001),

Gene: UhSalsa_36 Start: 28114, Stop: 26330, Start Num: 229

Candidate Starts for UhSalsa_36:

(Start: 229 @28114 has 918 MA's), (361, 27880), (378, 27850), (381, 27841), (382, 27838), (398, 27793), (402, 27781), (418, 27730), (448, 27628), (477, 27607), (500, 27535), (514, 27490), (516, 27487), (536, 27445), (538, 27439), (543, 27424), (553, 27397), (598, 27292), (603, 27283), (614, 27265), (635, 27226), (668, 27169), (695, 27046), (705, 26998), (735, 26893), (736, 26890), (758, 26833), (765, 26812), (779, 26764), (804, 26689), (837, 26620), (853, 26578), (857, 26554), (881, 26476), (898, 26419), (903, 26407), (909, 26398), (923, 26368), (925, 26350),

Gene: Ulysses_44 Start: 31247, Stop: 29421, Start Num: 229

Candidate Starts for Ulysses_44:

(Start: 229 @31247 has 918 MA's), (250, 31226), (261, 31196), (273, 31166), (365, 31004), (376, 30986), (402, 30914), (404, 30905), (441, 30785), (448, 30761), (500, 30668), (517, 30620), (528, 30599), (543, 30560), (560, 30515), (564, 30509), (598, 30428), (611, 30407), (635, 30362), (640, 30350), (692, 30197), (695, 30176), (728, 30053), (735, 30023), (745, 29984), (765, 29918), (766, 29915), (771, 29900), (777, 29876), (786, 29852), (857, 29645), (898, 29510), (903, 29498), (909, 29489),

Gene: UncleHowie_59 Start: 53736, Stop: 51877, Start Num: 197

Candidate Starts for UncleHowie_59:

(Start: 175 @53760 has 5 MA's), (Start: 197 @53736 has 267 MA's), (Start: 231 @53712 has 5 MA's), (Start: 243 @53706 has 2 MA's), (260, 53664), (267, 53643), (316, 53529), (319, 53523), (337, 53493), (371, 53433), (381, 53412), (399, 53358), (403, 53346), (409, 53328), (413, 53316), (445, 53211), (486, 53154), (499, 53118), (502, 53106), (512, 53079), (524, 53052), (531, 53034), (539, 53016), (553, 52977), (556, 52968), (557, 52965), (558, 52962), (690, 52605), (696, 52572), (702, 52551), (729, 52458), (732, 52449), (747, 52386), (765, 52350), (766, 52347), (771, 52332), (796, 52254), (800, 52242), (806, 52221), (822, 52182), (857, 52092), (862, 52074), (864, 52068), (870, 52053), (879, 52029), (881, 52014), (882, 52011), (884, 51999), (892, 51975), (911, 51927), (922, 51903),

Gene: UnionJack_39 Start: 29889, Stop: 28024, Start Num: 229

Candidate Starts for UnionJack_39:

(Start: 229 @29889 has 918 MA's), (296, 29778), (341, 29685), (343, 29682), (382, 29613), (394, 29583), (402, 29556), (404, 29547), (432, 29454), (437, 29439), (448, 29403), (500, 29307), (514, 29262), (516, 29259), (528, 29235), (550, 29175), (586, 29097), (598, 29064), (607, 29049), (614, 29037), (664, 28938), (695, 28803), (704, 28773), (705, 28755), (707, 28752), (719, 28716), (723, 28707), (726, 28686), (729, 28677), (735, 28650), (736, 28647), (758, 28590), (765, 28569), (786, 28503), (802, 28452), (823, 28398), (828, 28389), (840, 28371), (857, 28311), (862, 28293), (891, 28200), (898, 28176), (903, 28164), (947, 28059),

Gene: Updawg_45 Start: 31601, Stop: 29814, Start Num: 229

Candidate Starts for Updawg_45:

(Start: 229 @31601 has 918 MA's), (341, 31397), (343, 31394), (347, 31388), (365, 31358), (382, 31325), (383, 31322), (394, 31295), (402, 31268), (418, 31217), (448, 31115), (500, 31022), (516, 30974), (519, 30965), (528, 30950), (553, 30884), (588, 30803), (611, 30755), (678, 30611), (695, 30530), (707, 30479), (718, 30446), (735, 30377), (745, 30338), (758, 30317), (765, 30296), (769, 30284), (837, 30104), (840, 30098), (853, 30062), (857, 30038), (881, 29960), (898, 29903), (903, 29891),

Gene: Upyo_46 Start: 36456, Stop: 34090, Start Num: 18

Candidate Starts for Upyo_46:

(1, 36705), (3, 36570), (7, 36546), (8, 36540), (10, 36528), (14, 36480), (Start: 18 @36456 has 1 MA's), (48, 36330), (64, 36273), (80, 36219), (89, 36183), (111, 36114), (117, 36108), (158, 36009), (303, 35775), (313, 35748), (376, 35640), (399, 35574), (405, 35559), (418, 35523), (445, 35439), (448, 35430), (486, 35382), (499, 35346), (502, 35334), (522, 35280), (537, 35250), (544, 35232), (547, 35223), (557, 35193), (590, 35115), (627, 35043), (682, 34869), (684, 34860), (690, 34836), (696, 34803), (715, 34746), (723, 34722), (729, 34692), (734, 34671), (763, 34593), (771, 34566), (791, 34503), (796, 34488), (800, 34476), (806, 34455), (848, 34356), (857, 34308), (861, 34293), (864, 34284), (881, 34230), (882, 34227), (892, 34191), (911, 34140), (922, 34116),

Gene: Usavi_60 Start: 54404, Stop: 52545, Start Num: 197

Candidate Starts for Usavi_60:

(Start: 175 @54428 has 5 MA's), (Start: 197 @54404 has 267 MA's), (Start: 231 @54380 has 5 MA's), (Start: 243 @54374 has 2 MA's), (260, 54332), (267, 54311), (316, 54197), (319, 54191), (337, 54161), (371, 54101), (381, 54080), (399, 54026), (403, 54014), (409, 53996), (413, 53984), (445, 53879), (486, 53822), (499, 53786), (502, 53774), (512, 53747), (524, 53720), (531, 53702), (539, 53684), (553, 53645), (556, 53636), (557, 53633), (664, 53375), (690, 53273), (696, 53240), (702, 53219), (729, 53126), (732, 53117), (747, 53054), (765, 53018), (766, 53015), (771, 53000), (796, 52922), (800, 52910), (806, 52889), (822, 52850), (857, 52760), (862, 52742), (864, 52736), (870, 52721), (879, 52697), (881, 52682), (882, 52679), (884, 52667), (892, 52643), (911, 52595), (922, 52571),

Gene: UtzChips_47 Start: 31134, Stop: 32999, Start Num: 228

Candidate Starts for UtzChips_47:

(145, 31014), (153, 31032), (Start: 228 @31134 has 10 MA's), (295, 31242), (541, 31830), (543, 31836), (611, 31989), (643, 32052), (695, 32247), (712, 32310), (726, 32364), (728, 32370), (736, 32403), (793, 32586), (898, 32895), (930, 32973), (942, 32994),

Gene: VA6_43 Start: 31120, Stop: 29333, Start Num: 229

Candidate Starts for VA6_43:

(Start: 229 @31120 has 918 MA's), (341, 30916), (343, 30913), (347, 30907), (354, 30892), (365, 30877), (382, 30844), (383, 30841), (394, 30814), (402, 30787), (408, 30766), (418, 30736), (448, 30634), (500, 30541), (502, 30532), (516, 30493), (519, 30484), (528, 30469), (553, 30403), (588, 30322), (611, 30274), (614, 30268), (678, 30130), (695, 30049), (707, 29998), (718, 29965), (719, 29962), (735, 29896), (745, 29857), (758, 29836), (781, 29761), (788, 29743), (802, 29698), (811, 29671), (828, 29635), (840, 29617), (853, 29581), (857, 29557), (877, 29500), (898, 29422), (903, 29410), (909, 29401),

Gene: VC3_48 Start: 31569, Stop: 29770, Start Num: 229

Candidate Starts for VC3_48:

(Start: 229 @31569 has 918 MA's), (341, 31365), (382, 31290), (383, 31287), (394, 31260), (398, 31245), (402, 31233), (418, 31182), (448, 31080), (500, 30987), (502, 30978), (516, 30939), (519, 30930), (553, 30849), (567, 30816), (580, 30789), (635, 30675), (649, 30651), (695, 30486), (705, 30438), (719, 30399), (728, 30363), (735, 30333), (745, 30294), (758, 30273), (792, 30168), (802, 30135), (828, 30072), (853, 30018), (857, 29994), (898, 29859), (903, 29847), (909, 29838),

Gene: VResidence_41 Start: 29109, Stop: 31019, Start Num: 229

Candidate Starts for VResidence_41:

(Start: 229 @29109 has 918 MA's), (260, 29157), (327, 29283), (364, 29340), (400, 29427), (421, 29496), (501, 29748), (504, 29757), (543, 29856), (548, 29871), (611, 30009), (669, 30147), (678, 30186), (695, 30267), (719, 30354), (728, 30390), (733, 30411), (735, 30420), (786, 30585), (789, 30594), (853, 30756), (862, 30798), (875, 30831), (898, 30915), (902, 30924), (936, 31002),

Gene: Vaishali24_59 Start: 53939, Stop: 52080, Start Num: 197

Candidate Starts for Vaishali24_59:

(47, 54335), (69, 54248), (75, 54233), (77, 54227), (79, 54212), (84, 54194), (Start: 175 @53963 has 5 MA's), (Start: 197 @53939 has 267 MA's), (Start: 231 @53915 has 5 MA's), (Start: 243 @53909 has 2 MA's), (260, 53867), (267, 53846), (316, 53732), (319, 53726), (337, 53696), (371, 53636), (381, 53615), (399, 53561), (403, 53549), (413, 53519), (445, 53414), (486, 53357), (499, 53321), (502, 53309), (512, 53282), (516, 53273), (531, 53237), (539, 53219), (553, 53180), (556, 53171), (557, 53168), (690, 52808), (696, 52775), (702, 52754), (729, 52661), (732, 52652), (747, 52589), (765, 52553), (766, 52550), (771, 52535), (796, 52457), (800, 52445), (806, 52424), (822, 52385), (857, 52295), (862, 52277), (864, 52271), (870, 52256), (879, 52232), (881, 52217), (882, 52214), (884, 52202), (892, 52178), (911, 52130), (922, 52106),

Gene: Valjean_60 Start: 54261, Stop: 52402, Start Num: 197

Candidate Starts for Valjean_60:

(Start: 175 @54285 has 5 MA's), (Start: 197 @54261 has 267 MA's), (Start: 231 @54237 has 5 MA's), (Start: 243 @54231 has 2 MA's), (260, 54189), (267, 54168), (316, 54054), (319, 54048), (337, 54018), (371, 53958), (381, 53937), (399, 53883), (403, 53871), (409, 53853), (413, 53841), (445, 53736), (486, 53679), (499, 53643), (502, 53631), (511, 53607), (516, 53595), (524, 53577), (531, 53559), (539, 53541), (553, 53502), (556, 53493), (557, 53490), (558, 53487), (690, 53130), (696, 53097), (702, 53076), (729, 52983), (732, 52974), (747, 52911), (765, 52875), (766, 52872), (771, 52857), (796, 52779), (800, 52767), (806, 52746), (822, 52707), (857, 52617), (862, 52599), (864, 52593), (870, 52578), (879, 52554), (881, 52539), (882, 52536), (884, 52524), (892, 52500), (911, 52452), (922, 52428),

Gene: Vanisoa_44 Start: 32049, Stop: 30256, Start Num: 229

Candidate Starts for Vanisoa_44:

(Start: 229 @32049 has 918 MA's), (Start: 244 @32040 has 1 MA's), (261, 31998), (325, 31878), (327, 31875), (341, 31845), (350, 31827), (382, 31770), (383, 31767), (395, 31737), (398, 31725), (402, 31713), (404, 31704), (418, 31662), (423, 31644), (447, 31563), (448, 31560), (500, 31467), (566, 31299), (608, 31203), (640, 31140), (666, 31101), (668, 31095), (695, 30972), (704, 30942), (714, 30906), (723, 30876), (735, 30819), (765, 30738), (802, 30621), (853, 30504), (857, 30480), (881, 30402), (898, 30345), (903, 30333), (909, 30324),

Gene: Vash_34 Start: 26753, Stop: 28627, Start Num: 229

Candidate Starts for Vash_34:

(Start: 229 @26753 has 918 MA's), (273, 26834), (341, 26954), (394, 27056), (395, 27059), (400, 27077), (404, 27092), (527, 27401), (539, 27431), (543, 27443), (549, 27461), (565, 27497), (598, 27575), (605, 27587), (611, 27596), (640, 27653), (642, 27656), (643, 27659), (686, 27803), (695, 27854), (705, 27905), (726, 27977), (728, 27983), (729, 27986), (733, 28004), (735, 28013), (744, 28079), (763, 28133), (799, 28247), (822, 28310), (825, 28316), (828, 28322), (849, 28358), (852, 28370), (861, 28418), (864, 28427), (875, 28454), (881, 28481), (898, 28538), (901, 28544), (909, 28559), (912, 28565),

Gene: Vaticameos_57 Start: 52569, Stop: 50710, Start Num: 197

Candidate Starts for Vaticameos_57:

(Start: 175 @52593 has 5 MA's), (Start: 197 @52569 has 267 MA's), (Start: 231 @52545 has 5 MA's), (Start: 243 @52539 has 2 MA's), (260, 52497), (267, 52476), (316, 52362), (319, 52356), (337, 52326), (371, 52266), (381, 52245), (399, 52191), (403, 52179), (409, 52161), (413, 52149), (445, 52044), (486, 51987), (499, 51951), (502, 51939), (512, 51912), (524, 51885), (531, 51867), (539, 51849), (553, 51810), (556, 51801), (557, 51798), (664, 51540), (690, 51438), (696, 51405), (702, 51384), (729, 51291), (732, 51282), (747, 51219), (765, 51183), (766, 51180), (771, 51165), (796, 51087), (800, 51075), (806, 51054), (822, 51015), (857, 50925), (862, 50907), (864, 50901), (870, 50886), (879, 50862), (881, 50847), (882, 50844), (884, 50832), (892, 50808), (911, 50760), (922, 50736),

Gene: Velene_39 Start: 28935, Stop: 27070, Start Num: 270

Candidate Starts for Velene_39:

(Start: 216 @29022 has 3 MA's), (219, 29019), (263, 28950), (Start: 270 @28935 has 147 MA's), (Start: 276 @28926 has 5 MA's), (333, 28821), (336, 28812), (353, 28782), (355, 28779), (408, 28659), (412, 28647), (415, 28641), (449, 28536), (456, 28509), (493, 28368), (498, 28359), (500, 28347), (508, 28320), (509, 28317), (514, 28302), (516, 28296), (518, 28290), (531, 28257), (629, 28068), (728, 27753), (731, 27744), (732, 27741), (735, 27723), (746, 27681), (748, 27675), (756, 27651), (773, 27594), (820, 27435), (834, 27405), (836, 27396), (854, 27336), (858, 27312), (870, 27273), (879, 27240), (880, 27228), (896, 27168),

Gene: Veracruz_43 Start: 31597, Stop: 29759, Start Num: 229

Candidate Starts for Veracruz_43:

(Start: 229 @31597 has 918 MA's), (261, 31546), (341, 31393), (382, 31321), (394, 31291), (402, 31264), (404, 31255), (448, 31111), (500, 31015), (517, 30967), (543, 30907), (581, 30820), (598, 30775), (611, 30754), (650, 30682), (668, 30640), (678, 30598), (695, 30517), (705, 30469), (719, 30430), (728, 30394), (735, 30364), (742, 30334), (766, 30253), (777, 30214), (786, 30190), (792, 30172), (793, 30169), (840, 30043), (857, 29983), (883, 29896), (898, 29848), (903, 29836), (909, 29827),

Gene: Veritas_62 Start: 54399, Stop: 52540, Start Num: 197

Candidate Starts for Veritas_62:

(Start: 175 @54423 has 5 MA's), (Start: 197 @54399 has 267 MA's), (Start: 231 @54375 has 5 MA's), (Start: 243 @54369 has 2 MA's), (260, 54327), (267, 54306), (316, 54192), (319, 54186), (337, 54156), (371, 54096), (381, 54075), (399, 54021), (403, 54009), (409, 53991), (413, 53979), (445, 53874), (486, 53817), (499, 53781), (502, 53769), (512, 53742), (531, 53697), (553, 53640), (556, 53631), (557, 53628), (690, 53268), (696, 53235), (702, 53214), (729, 53121), (732, 53112), (747, 53049), (765, 53013), (766, 53010), (771, 52995), (796, 52917), (800, 52905), (806, 52884), (822, 52845), (857, 52755), (862, 52737), (864, 52731), (870, 52716), (879, 52692), (881, 52677), (882, 52674), (884, 52662), (892, 52638), (911, 52590), (922, 52566), (924, 52551),

Gene: Vic9_58 Start: 53336, Stop: 51507, Start Num: 189

Candidate Starts for Vic9_58:

(Start: 189 @53336 has 57 MA's), (Start: 243 @53309 has 2 MA's), (254, 53279), (260, 53267), (271, 53240), (273, 53237), (278, 53228), (298, 53210), (343, 53114), (371, 53063), (382, 53039), (434, 52877), (439, 52862), (442, 52853), (445, 52841), (486, 52784), (499, 52748), (502, 52736), (511, 52712), (544, 52634), (546, 52628), (549, 52619), (556, 52598), (557, 52595), (570, 52565), (633, 52421), (659, 52355), (676, 52304), (679, 52283), (684, 52265), (696, 52208), (715, 52151), (723, 52124), (729, 52094), (732, 52085), (747, 52019), (763, 51992), (765, 51983), (771, 51965), (777, 51941), (796, 51887), (800, 51875), (806, 51854), (840, 51785), (857, 51725), (862, 51707), (875, 51674), (879, 51662), (881, 51647), (882, 51644), (884, 51632), (892, 51608), (893, 51605), (911, 51557), (912, 51554), (922, 51533), (925, 51512),

Gene: Vincenzo_56 Start: 55146, Stop: 53320, Start Num: 189

Candidate Starts for Vincenzo_56:

(Start: 189 @55146 has 57 MA's), (Start: 225 @55128 has 1 MA's), (260, 55077), (267, 55056), (337, 54918), (368, 54864), (391, 54810), (409, 54756), (420, 54726), (425, 54714), (426, 54711), (486, 54591), (499, 54555), (502, 54543), (512, 54516), (553, 54414), (557, 54402), (575, 54366), (586, 54336), (598, 54303), (627, 54255), (691, 54042), (696, 54015), (727, 53907), (729, 53901), (732, 53892), (734, 53880), (747, 53829), (763, 53802), (765, 53793), (766, 53790), (767, 53787), (771, 53775), (796, 53697), (800, 53685), (806, 53664), (808, 53655), (812, 53646), (857, 53535), (862, 53517), (864, 53511), (879, 53472), (881, 53457), (884, 53442), (888, 53430), (892, 53418), (911, 53370), (922, 53346),

Gene: Vine_47 Start: 34669, Stop: 32288, Start Num: 41

Candidate Starts for Vine_47:

(Start: 41 @34669 has 13 MA's), (58, 34609), (71, 34567), (83, 34528), (121, 34408), (132, 34387), (156, 34363), (205, 34285), (210, 34279), (211, 34276), (Start: 243 @34246 has 2 MA's), (262, 34198), (274, 34171), (Start: 276 @34168 has 5 MA's), (311, 34111), (333, 34072), (342, 34051), (366, 34009), (379, 33985), (382, 33976), (384, 33970), (386, 33964), (398, 33931), (405, 33910), (412, 33889), (469, 33706), (489, 33631), (500, 33589), (547, 33502), (586, 33478), (594, 33454), (599, 33445), (609, 33424), (634, 33373), (635, 33370), (642, 33355), (654, 33334), (688, 33208), (699, 33160), (701, 33151), (712, 33109), (735, 33016), (744, 32980), (746, 32974), (748, 32968),

(750, 32962), (766, 32905), (773, 32881), (801, 32776), (802, 32773), (838, 32680), (844, 32662), (854, 32623), (863, 32581), (871, 32557), (879, 32527), (888, 32479), (896, 32455), (910, 32410), (933, 32344), (944, 32323), (945, 32317), (949, 32311),

Gene: Violet_42 Start: 34578, Stop: 32752, Start Num: 229

Candidate Starts for Violet_42:

(Start: 229 @34578 has 918 MA's), (347, 34365), (382, 34302), (394, 34272), (400, 34251), (402, 34245), (404, 34236), (440, 34119), (448, 34092), (500, 33999), (504, 33984), (539, 33900), (540, 33897), (566, 33831), (592, 33771), (614, 33726), (635, 33687), (695, 33507), (705, 33459), (719, 33420), (735, 33354), (742, 33324), (745, 33315), (758, 33294), (765, 33273), (771, 33255), (792, 33189), (853, 33039), (854, 33036), (861, 33000), (870, 32976), (874, 32967), (878, 32955), (898, 32880), (909, 32859),

Gene: VioletZ_55 Start: 54089, Stop: 52266, Start Num: 189

Candidate Starts for VioletZ_55:

(Start: 175 @54107 has 5 MA's), (Start: 189 @54089 has 57 MA's), (Start: 243 @54065 has 2 MA's), (253, 54038), (260, 54023), (267, 54002), (308, 53915), (368, 53810), (381, 53783), (386, 53768), (409, 53702), (420, 53672), (422, 53663), (425, 53660), (426, 53657), (434, 53630), (486, 53537), (493, 53519), (499, 53501), (502, 53489), (512, 53462), (539, 53399), (556, 53351), (557, 53348), (570, 53318), (586, 53282), (676, 53057), (677, 53054), (684, 53018), (690, 52994), (696, 52961), (727, 52853), (729, 52847), (732, 52838), (765, 52739), (766, 52736), (771, 52721), (796, 52643), (800, 52631), (806, 52610), (808, 52601), (822, 52571), (840, 52541), (852, 52514), (857, 52481), (864, 52457), (879, 52418), (882, 52400), (884, 52388), (892, 52364), (908, 52322), (911, 52316), (922, 52292),

Gene: Virapocalypse_61 Start: 54360, Stop: 52501, Start Num: 197

Candidate Starts for Virapocalypse_61:

(Start: 175 @54384 has 5 MA's), (Start: 197 @54360 has 267 MA's), (Start: 231 @54336 has 5 MA's), (Start: 243 @54330 has 2 MA's), (260, 54288), (267, 54267), (316, 54153), (319, 54147), (337, 54117), (371, 54057), (381, 54036), (399, 53982), (403, 53970), (409, 53952), (413, 53940), (445, 53835), (486, 53778), (499, 53742), (502, 53730), (511, 53706), (516, 53694), (524, 53676), (531, 53658), (539, 53640), (553, 53601), (556, 53592), (557, 53589), (558, 53586), (690, 53229), (696, 53196), (702, 53175), (729, 53082), (732, 53073), (747, 53010), (765, 52974), (766, 52971), (771, 52956), (796, 52878), (800, 52866), (806, 52845), (822, 52806), (857, 52716), (862, 52698), (864, 52692), (870, 52677), (879, 52653), (881, 52638), (882, 52635), (884, 52623), (892, 52599), (911, 52551), (922, 52527),

Gene: Virgeve_60 Start: 53997, Stop: 52138, Start Num: 197

Candidate Starts for Virgeve_60:

(Start: 175 @54021 has 5 MA's), (Start: 197 @53997 has 267 MA's), (Start: 231 @53973 has 5 MA's), (Start: 243 @53967 has 2 MA's), (260, 53925), (267, 53904), (316, 53790), (319, 53784), (337, 53754), (371, 53694), (381, 53673), (399, 53619), (403, 53607), (409, 53589), (413, 53577), (445, 53472), (486, 53415), (499, 53379), (502, 53367), (511, 53343), (516, 53331), (524, 53313), (531, 53295), (539, 53277), (553, 53238), (556, 53229), (557, 53226), (558, 53223), (690, 52866), (696, 52833), (702, 52812), (729, 52719), (732, 52710), (747, 52647), (765, 52611), (766, 52608), (771, 52593), (796, 52515), (800, 52503), (806, 52482), (822, 52443), (857, 52353), (862, 52335), (864, 52329), (870, 52314), (879, 52290), (881, 52275), (882, 52272), (884, 52260), (892, 52236), (911, 52188), (922, 52164),

Gene: Vispitious_39 Start: 28937, Stop: 27072, Start Num: 270

Candidate Starts for Vispitious_39:

(Start: 216 @29024 has 3 MA's), (219, 29021), (Start: 270 @28937 has 147 MA's), (Start: 276 @28928 has 5 MA's), (333, 28823), (336, 28814), (353, 28784), (355, 28781), (408, 28661), (412,

28649), (415, 28643), (449, 28538), (456, 28511), (493, 28370), (497, 28364), (498, 28361), (500, 28349), (508, 28322), (509, 28319), (514, 28304), (516, 28298), (518, 28292), (531, 28259), (602, 28130), (629, 28070), (661, 27995), (728, 27755), (731, 27746), (732, 27743), (735, 27725), (746, 27683), (748, 27677), (751, 27668), (756, 27653), (773, 27596), (820, 27437), (834, 27407), (836, 27398), (854, 27338), (858, 27314), (870, 27275), (879, 27242), (880, 27230), (896, 27170),

Gene: Vista_60 Start: 54037, Stop: 52178, Start Num: 197

Candidate Starts for Vista_60:

(Start: 175 @54061 has 5 MA's), (Start: 197 @54037 has 267 MA's), (Start: 231 @54013 has 5 MA's), (Start: 243 @54007 has 2 MA's), (260, 53965), (267, 53944), (316, 53830), (319, 53824), (337, 53794), (371, 53734), (381, 53713), (399, 53659), (403, 53647), (409, 53629), (413, 53617), (445, 53512), (486, 53455), (499, 53419), (502, 53407), (512, 53380), (524, 53353), (531, 53335), (539, 53317), (553, 53278), (556, 53269), (557, 53266), (690, 52906), (696, 52873), (702, 52852), (729, 52759), (732, 52750), (747, 52687), (765, 52651), (766, 52648), (771, 52633), (796, 52555), (800, 52543), (806, 52522), (822, 52483), (857, 52393), (862, 52375), (864, 52369), (870, 52354), (879, 52330), (881, 52315), (882, 52312), (884, 52300), (892, 52276), (911, 52228), (922, 52204),

Gene: Vitas_40 Start: 27434, Stop: 29302, Start Num: 226

Candidate Starts for Vitas_40:

(Start: 226 @27434 has 7 MA's), (Start: 229 @27437 has 918 MA's), (232, 27440), (266, 27509), (409, 27791), (418, 27818), (437, 27872), (512, 28037), (543, 28112), (550, 28133), (683, 28487), (695, 28547), (707, 28598), (726, 28664), (735, 28700), (764, 28793), (821, 28964), (853, 29036), (877, 29117), (897, 29192), (898, 29195), (909, 29216), (937, 29285),

Gene: Vivaldi_62 Start: 54495, Stop: 52636, Start Num: 197

Candidate Starts for Vivaldi_62:

(Start: 175 @54519 has 5 MA's), (Start: 197 @54495 has 267 MA's), (Start: 231 @54471 has 5 MA's), (Start: 243 @54465 has 2 MA's), (260, 54423), (267, 54402), (316, 54288), (319, 54282), (337, 54252), (371, 54192), (381, 54171), (399, 54117), (403, 54105), (409, 54087), (413, 54075), (445, 53970), (486, 53913), (499, 53877), (502, 53865), (511, 53841), (516, 53829), (524, 53811), (531, 53793), (539, 53775), (553, 53736), (556, 53727), (557, 53724), (558, 53721), (690, 53364), (696, 53331), (702, 53310), (729, 53217), (732, 53208), (747, 53145), (765, 53109), (766, 53106), (771, 53091), (796, 53013), (800, 53001), (806, 52980), (822, 52941), (857, 52851), (862, 52833), (864, 52827), (870, 52812), (879, 52788), (881, 52773), (882, 52770), (884, 52758), (892, 52734), (911, 52686), (922, 52662),

Gene: Vix_48 Start: 31935, Stop: 30121, Start Num: 229

Candidate Starts for Vix_48:

(Start: 229 @31935 has 918 MA's), (255, 31896), (261, 31884), (341, 31731), (349, 31716), (382, 31659), (402, 31602), (404, 31593), (418, 31551), (432, 31500), (448, 31449), (500, 31356), (516, 31308), (519, 31299), (528, 31284), (543, 31245), (553, 31218), (566, 31188), (607, 31095), (639, 31035), (649, 31020), (695, 30864), (719, 30777), (735, 30711), (745, 30672), (766, 30600), (777, 30561), (786, 30537), (792, 30519), (802, 30486), (811, 30459), (840, 30405), (857, 30345), (881, 30267), (898, 30210), (903, 30198), (909, 30189),

Gene: VohminGhazi_45 Start: 29628, Stop: 27787, Start Num: 229

Candidate Starts for VohminGhazi_45:

(Start: 229 @29628 has 918 MA's), (341, 29424), (382, 29349), (383, 29346), (394, 29319), (398, 29304), (402, 29292), (418, 29241), (444, 29151), (448, 29139), (500, 29046), (512, 29007), (519, 28989), (528, 28974), (553, 28908), (567, 28875), (569, 28872), (615, 28770), (649, 28710), (678, 28626), (695, 28545), (718, 28461), (719, 28458), (723, 28449), (728, 28422), (735, 28392), (758, 28332), (771, 28293), (853, 28077), (854, 28074), (857, 28053), (898, 27918), (903, 27906), (909, 27897), (911, 27894), (947, 27801),

Gene: Vortex_60 Start: 54019, Stop: 52160, Start Num: 197

Candidate Starts for Vortex_60:

(Start: 175 @54043 has 5 MA's), (Start: 197 @54019 has 267 MA's), (Start: 231 @53995 has 5 MA's), (Start: 243 @53989 has 2 MA's), (260, 53947), (267, 53926), (316, 53812), (319, 53806), (337, 53776), (371, 53716), (381, 53695), (399, 53641), (403, 53629), (409, 53611), (413, 53599), (445, 53494), (486, 53437), (499, 53401), (502, 53389), (512, 53362), (531, 53317), (553, 53260), (556, 53251), (557, 53248), (690, 52888), (696, 52855), (702, 52834), (729, 52741), (732, 52732), (747, 52669), (765, 52633), (766, 52630), (771, 52615), (796, 52537), (800, 52525), (806, 52504), (822, 52465), (857, 52375), (862, 52357), (864, 52351), (870, 52336), (879, 52312), (881, 52297), (882, 52294), (884, 52282), (892, 52258), (911, 52210), (922, 52186),

Gene: VroomVroom_45 Start: 30595, Stop: 32457, Start Num: 229

Candidate Starts for VroomVroom_45:

(Start: 229 @30595 has 918 MA's), (260, 30643), (382, 30862), (415, 30958), (497, 31165), (543, 31294), (567, 31354), (588, 31399), (611, 31447), (651, 31531), (695, 31705), (704, 31735), (726, 31822), (728, 31828), (764, 31951), (766, 31960), (799, 32062), (857, 32218), (864, 32242), (898, 32353),

Gene: Waits_47 Start: 29831, Stop: 28041, Start Num: 229

Candidate Starts for Waits_47:

(Start: 229 @29831 has 918 MA's), (382, 29552), (383, 29549), (394, 29522), (402, 29495), (418, 29444), (448, 29342), (500, 29249), (512, 29210), (519, 29192), (598, 29003), (635, 28937), (669, 28877), (678, 28838), (690, 28787), (692, 28778), (695, 28757), (707, 28706), (718, 28673), (726, 28640), (728, 28634), (735, 28604), (758, 28544), (765, 28523), (777, 28481), (787, 28454), (823, 28352), (853, 28289), (854, 28286), (898, 28130), (903, 28118), (911, 28106),

Gene: Waleliano_53 Start: 54042, Stop: 52219, Start Num: 189

Candidate Starts for Waleliano_53:

(Start: 175 @54060 has 5 MA's), (Start: 189 @54042 has 57 MA's), (Start: 243 @54018 has 2 MA's), (253, 53991), (260, 53976), (267, 53955), (308, 53868), (368, 53763), (381, 53736), (386, 53721), (409, 53655), (420, 53625), (422, 53616), (425, 53613), (426, 53610), (434, 53583), (486, 53490), (493, 53472), (499, 53454), (502, 53442), (512, 53415), (539, 53352), (553, 53313), (556, 53304), (557, 53301), (570, 53271), (586, 53235), (676, 53010), (677, 53007), (684, 52971), (690, 52947), (696, 52914), (727, 52806), (729, 52800), (732, 52791), (765, 52692), (766, 52689), (771, 52674), (796, 52596), (800, 52584), (806, 52563), (808, 52554), (822, 52524), (852, 52467), (857, 52434), (864, 52410), (879, 52371), (882, 52353), (884, 52341), (892, 52317), (908, 52275), (911, 52269), (922, 52245),

Gene: WalkingDead_44 Start: 31418, Stop: 33292, Start Num: 224

Candidate Starts for WalkingDead_44:

(224, 31418), (Start: 252 @31445 has 4 MA's), (266, 31487), (280, 31508), (404, 31754), (409, 31769), (418, 31796), (501, 31982), (510, 32009), (543, 32090), (607, 32240), (648, 32324), (682, 32444), (683, 32447), (695, 32507), (698, 32513), (707, 32558), (714, 32573), (716, 32588), (726, 32624), (729, 32633), (735, 32660), (764, 32753), (793, 32846), (821, 32924), (822, 32927), (853, 32996), (861, 33035), (877, 33077), (880, 33095), (898, 33155), (909, 33176),

Gene: Wallhey_61 Start: 54135, Stop: 52276, Start Num: 197

Candidate Starts for Wallhey_61:

(Start: 175 @54159 has 5 MA's), (Start: 197 @54135 has 267 MA's), (Start: 231 @54111 has 5 MA's), (Start: 243 @54105 has 2 MA's), (260, 54063), (267, 54042), (316, 53928), (319, 53922), (337, 53892), (371, 53832), (381, 53811), (399, 53757), (403, 53745), (409, 53727), (413, 53715), (445, 53610), (486, 53553), (499, 53517), (502, 53505), (512, 53478), (531, 53433), (553, 53376), (556,

53367), (557, 53364), (664, 53106), (690, 53004), (696, 52971), (702, 52950), (729, 52857), (732, 52848), (747, 52785), (765, 52749), (766, 52746), (771, 52731), (796, 52653), (800, 52641), (806, 52620), (822, 52581), (857, 52491), (862, 52473), (864, 52467), (870, 52452), (879, 52428), (881, 52413), (882, 52410), (884, 52398), (892, 52374), (898, 52353), (911, 52326), (922, 52302), (924, 52287),

Gene: WalterMcMickey_42 Start: 31053, Stop: 29218, Start Num: 229

Candidate Starts for WalterMcMickey_42:

(Start: 229 @31053 has 918 MA's), (261, 31002), (298, 30936), (341, 30849), (354, 30825), (378, 30789), (382, 30777), (402, 30720), (404, 30711), (429, 30627), (441, 30591), (444, 30579), (448, 30567), (500, 30474), (517, 30426), (543, 30366), (553, 30339), (596, 30237), (598, 30234), (611, 30213), (614, 30207), (668, 30099), (695, 29976), (705, 29928), (728, 29853), (735, 29823), (742, 29793), (745, 29784), (765, 29715), (766, 29712), (777, 29673), (786, 29649), (788, 29643), (792, 29631), (857, 29442), (864, 29418), (883, 29355), (898, 29307), (903, 29295), (909, 29286),

Gene: Wander_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Wander_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: Warda_41 Start: 29679, Stop: 31544, Start Num: 229

Candidate Starts for Warda_41:

(Start: 229 @29679 has 918 MA's), (260, 29727), (394, 29976), (421, 30066), (501, 30273), (504, 30282), (540, 30372), (543, 30381), (548, 30396), (567, 30441), (588, 30486), (611, 30534), (640, 30591), (669, 30672), (695, 30792), (704, 30822), (719, 30879), (733, 30936), (735, 30945), (825, 31218), (853, 31281), (891, 31416), (898, 31440), (902, 31449),

Gene: Waterdiva_60 Start: 54398, Stop: 52539, Start Num: 197

Candidate Starts for Waterdiva_60:

(Start: 175 @54422 has 5 MA's), (Start: 197 @54398 has 267 MA's), (Start: 231 @54374 has 5 MA's), (Start: 243 @54368 has 2 MA's), (260, 54326), (267, 54305), (316, 54191), (319, 54185), (337, 54155), (371, 54095), (381, 54074), (399, 54020), (403, 54008), (409, 53990), (413, 53978), (445, 53873), (486, 53816), (499, 53780), (502, 53768), (512, 53741), (524, 53714), (531, 53696), (539, 53678), (553, 53639), (556, 53630), (557, 53627), (664, 53369), (690, 53267), (696, 53234), (702, 53213), (729, 53120), (732, 53111), (747, 53048), (765, 53012), (766, 53009), (771, 52994), (796, 52916), (800, 52904), (806, 52883), (822, 52844), (857, 52754), (862, 52736), (864, 52730), (870, 52715), (879, 52691), (881, 52676), (882, 52673), (884, 52661), (892, 52637), (911, 52589), (922, 52565),

Gene: Watermelon_46 Start: 35165, Stop: 33339, Start Num: 229

Candidate Starts for Watermelon_46:

(Start: 229 @35165 has 918 MA's), (347, 34952), (354, 34937), (394, 34859), (400, 34838), (402, 34832), (404, 34823), (440, 34706), (448, 34679), (500, 34586), (504, 34571), (539, 34487), (540, 34484), (566, 34418), (580, 34388), (592, 34358), (614, 34313), (635, 34274), (695, 34094), (705, 34046), (719, 34007), (735, 33941), (765, 33860), (766, 33857), (792, 33776), (853, 33626), (854, 33623), (861, 33587), (870, 33563), (874, 33554), (878, 33542), (898, 33467), (909, 33446),

Gene: Watson_48 Start: 31845, Stop: 30031, Start Num: 229

Candidate Starts for Watson_48:

(Start: 229 @31845 has 918 MA's), (255, 31806), (261, 31794), (341, 31641), (349, 31626), (382, 31569), (402, 31512), (404, 31503), (418, 31461), (432, 31410), (448, 31359), (500, 31266), (516, 31218), (519, 31209), (528, 31194), (543, 31155), (553, 31128), (566, 31098), (607, 31005), (614, 30993), (639, 30945), (649, 30930), (695, 30774), (719, 30687), (735, 30621), (745, 30582), (766, 30510), (777, 30471), (786, 30447), (792, 30429), (802, 30396), (811, 30369), (840, 30315), (857, 30255), (881, 30177), (898, 30120), (903, 30108), (909, 30099),

Gene: Weher20_60 Start: 54841, Stop: 52982, Start Num: 197

Candidate Starts for Weher20_60:

(Start: 175 @54865 has 5 MA's), (Start: 197 @54841 has 267 MA's), (Start: 231 @54817 has 5 MA's), (Start: 243 @54811 has 2 MA's), (260, 54769), (267, 54748), (316, 54634), (319, 54628), (337, 54598), (371, 54538), (381, 54517), (399, 54463), (403, 54451), (409, 54433), (413, 54421), (445, 54316), (486, 54259), (499, 54223), (502, 54211), (511, 54187), (516, 54175), (524, 54157), (531, 54139), (539, 54121), (553, 54082), (556, 54073), (557, 54070), (558, 54067), (690, 53710), (696, 53677), (702, 53656), (729, 53563), (732, 53554), (747, 53491), (765, 53455), (766, 53452), (771, 53437), (796, 53359), (800, 53347), (806, 53326), (822, 53287), (857, 53197), (862, 53179), (864, 53173), (870, 53158), (879, 53134), (881, 53119), (882, 53116), (884, 53104), (892, 53080), (911, 53032), (922, 53008),

Gene: WeiHuaDA_48 Start: 32697, Stop: 30910, Start Num: 229

Candidate Starts for WeiHuaDA_48:

(Start: 229 @32697 has 918 MA's), (343, 32490), (347, 32484), (365, 32454), (381, 32424), (383, 32418), (394, 32391), (402, 32364), (408, 32343), (418, 32313), (444, 32223), (448, 32211), (500, 32118), (516, 32070), (519, 32061), (528, 32046), (553, 31980), (588, 31899), (611, 31851), (695, 31626), (707, 31575), (718, 31542), (719, 31539), (735, 31473), (745, 31434), (758, 31413), (781, 31338), (786, 31326), (788, 31320), (828, 31212), (853, 31158), (857, 31134), (877, 31077), (881, 31056), (898, 30999), (903, 30987), (911, 30975),

Gene: West99_57 Start: 52637, Stop: 50808, Start Num: 189

Candidate Starts for West99_57:

(Start: 189 @52637 has 57 MA's), (Start: 243 @52610 has 2 MA's), (254, 52580), (260, 52568), (271, 52541), (273, 52538), (278, 52529), (298, 52511), (343, 52415), (371, 52364), (382, 52340), (434, 52178), (439, 52163), (442, 52154), (445, 52142), (486, 52085), (499, 52049), (502, 52037), (511, 52013), (546, 51929), (556, 51899), (557, 51896), (570, 51866), (633, 51722), (659, 51656), (673, 51617), (676, 51605), (679, 51584), (684, 51566), (696, 51509), (723, 51425), (729, 51395), (732, 51386), (747, 51320), (763, 51293), (765, 51284), (771, 51266), (777, 51242), (796, 51188), (800, 51176), (806, 51155), (840, 51086), (857, 51026), (862, 51008), (875, 50975), (879, 50963), (881, 50948), (882, 50945), (884, 50933), (892, 50909), (893, 50906), (911, 50858), (912, 50855), (922, 50834), (925, 50813),

Gene: WestPM_35 Start: 27173, Stop: 25272, Start Num: 269

Candidate Starts for WestPM_35:

(Start: 269 @27173 has 4 MA's), (336, 27050), (353, 27020), (357, 27014), (381, 26972), (384, 26963), (405, 26906), (408, 26897), (412, 26885), (415, 26879), (474, 26678), (493, 26603), (498, 26594), (500, 26582), (509, 26552), (516, 26531), (521, 26519), (530, 26495), (612, 26345), (685, 26138), (694, 26084), (723, 25982), (726, 25961), (735, 25925), (744, 25889), (746, 25883), (773, 25796), (781, 25769), (820, 25637), (836, 25598), (844, 25577), (854, 25538), (858, 25514), (860, 25508), (869, 25481), (896, 25370),

Gene: Whabigail7_45 Start: 31605, Stop: 29818, Start Num: 229

Candidate Starts for Whabigail7_45:

(154, 31692), (Start: 229 @31605 has 918 MA's), (343, 31398), (347, 31392), (354, 31377), (365, 31362), (383, 31326), (394, 31299), (402, 31272), (408, 31251), (448, 31119), (500, 31026), (516,

30978), (519, 30969), (528, 30954), (553, 30888), (588, 30807), (611, 30759), (614, 30753), (649, 30690), (695, 30534), (707, 30483), (718, 30450), (719, 30447), (735, 30381), (745, 30342), (758, 30321), (781, 30246), (786, 30234), (802, 30183), (828, 30120), (840, 30102), (853, 30066), (857, 30042), (881, 29964), (898, 29907), (903, 29895), (909, 29886),

Gene: Wheeler_45 Start: 34873, Stop: 33047, Start Num: 229

Candidate Starts for Wheeler_45:

(Start: 229 @34873 has 918 MA's), (347, 34660), (354, 34645), (382, 34597), (394, 34567), (400, 34546), (402, 34540), (404, 34531), (440, 34414), (448, 34387), (500, 34294), (504, 34279), (516, 34246), (539, 34195), (540, 34192), (566, 34126), (580, 34096), (592, 34066), (614, 34021), (635, 33982), (695, 33802), (704, 33772), (705, 33754), (707, 33751), (719, 33715), (735, 33649), (765, 33568), (766, 33565), (792, 33484), (853, 33334), (854, 33331), (861, 33295), (870, 33271), (874, 33262), (878, 33250), (898, 33175), (909, 33154),

Gene: WideWale_45 Start: 31601, Stop: 29814, Start Num: 229

Candidate Starts for WideWale_45:

(Start: 229 @31601 has 918 MA's), (341, 31397), (343, 31394), (347, 31388), (365, 31358), (382, 31325), (383, 31322), (394, 31295), (402, 31268), (418, 31217), (448, 31115), (500, 31022), (516, 30974), (519, 30965), (528, 30950), (553, 30884), (588, 30803), (611, 30755), (678, 30611), (695, 30530), (707, 30479), (718, 30446), (735, 30377), (745, 30338), (758, 30317), (765, 30296), (769, 30284), (837, 30104), (840, 30098), (853, 30062), (857, 30038), (881, 29960), (898, 29903), (903, 29891),

Gene: Widow_43 Start: 35284, Stop: 32969, Start Num: 4

Candidate Starts for Widow_43:

(Start: 4 @35284 has 5 MA's), (5, 35275), (24, 35179), (30, 35149), (Start: 49 @35083 has 1 MA's), (146, 34924), (Start: 162 @34894 has 2 MA's), (170, 34882), (207, 34828), (224, 34807), (280, 34708), (298, 34687), (312, 34642), (340, 34594), (418, 34411), (439, 34348), (445, 34327), (448, 34318), (499, 34237), (502, 34225), (522, 34171), (537, 34141), (547, 34114), (556, 34087), (557, 34084), (558, 34081), (627, 33934), (656, 33850), (671, 33799), (679, 33760), (682, 33751), (684, 33742), (696, 33685), (723, 33604), (729, 33574), (758, 33484), (763, 33472), (771, 33445), (796, 33367), (800, 33355), (808, 33325), (848, 33235), (852, 33220), (857, 33187), (881, 33109), (882, 33106), (888, 33082), (892, 33070), (911, 33019), (922, 32995),

Gene: Wiks_44 Start: 29422, Stop: 27581, Start Num: 229

Candidate Starts for Wiks_44:

(Start: 203 @29452 has 1 MA's), (Start: 229 @29422 has 918 MA's), (341, 29218), (382, 29143), (383, 29140), (394, 29113), (398, 29098), (402, 29086), (418, 29035), (444, 28945), (448, 28933), (500, 28840), (512, 28801), (519, 28783), (528, 28768), (553, 28702), (567, 28669), (569, 28666), (615, 28564), (649, 28504), (678, 28420), (695, 28339), (718, 28255), (719, 28252), (723, 28243), (728, 28216), (735, 28186), (758, 28126), (771, 28087), (853, 27871), (854, 27868), (857, 27847), (898, 27712), (903, 27700), (909, 27691), (911, 27688), (947, 27595),

Gene: Wilbur_45 Start: 31567, Stop: 29741, Start Num: 229

Candidate Starts for Wilbur_45:

(Start: 229 @31567 has 918 MA's), (250, 31546), (261, 31516), (273, 31486), (365, 31324), (376, 31306), (402, 31234), (404, 31225), (441, 31105), (448, 31081), (500, 30988), (517, 30940), (528, 30919), (543, 30880), (598, 30748), (611, 30727), (635, 30682), (640, 30670), (692, 30517), (695, 30496), (728, 30373), (735, 30343), (745, 30304), (765, 30238), (766, 30235), (771, 30220), (777, 30196), (786, 30172), (857, 29965), (898, 29830), (903, 29818), (909, 29809),

Gene: WildNOut_39 Start: 28934, Stop: 27069, Start Num: 270

Candidate Starts for WildNOut_39:

(Start: 270 @28934 has 147 MA's), (Start: 276 @28925 has 5 MA's), (333, 28820), (336, 28811), (353, 28781), (355, 28778), (408, 28658), (412, 28646), (415, 28640), (449, 28535), (456, 28508), (493, 28367), (497, 28361), (498, 28358), (500, 28346), (508, 28319), (509, 28316), (514, 28301), (516, 28295), (518, 28289), (531, 28256), (602, 28127), (629, 28067), (661, 27992), (728, 27752), (731, 27743), (732, 27740), (735, 27722), (746, 27680), (748, 27674), (751, 27665), (756, 27650), (773, 27593), (820, 27434), (834, 27404), (836, 27395), (854, 27335), (858, 27311), (870, 27272), (879, 27239), (880, 27227), (896, 27167),

Gene: Wildwest_40 Start: 29139, Stop: 30983, Start Num: 229

Candidate Starts for Wildwest_40:

(113, 28944), (143, 29022), (158, 29052), (Start: 229 @29139 has 918 MA's), (327, 29313), (341, 29343), (364, 29370), (394, 29436), (421, 29526), (501, 29712), (504, 29721), (514, 29751), (543, 29820), (548, 29835), (611, 29973), (669, 30111), (695, 30231), (719, 30318), (733, 30375), (735, 30384), (786, 30549), (853, 30720), (898, 30879), (902, 30888), (909, 30900),

Gene: Wile_44 Start: 31553, Stop: 29724, Start Num: 229

Candidate Starts for Wile_44:

(Start: 229 @31553 has 918 MA's), (261, 31502), (273, 31472), (365, 31310), (376, 31292), (382, 31277), (402, 31220), (404, 31211), (441, 31091), (448, 31067), (483, 31025), (500, 30974), (517, 30926), (528, 30905), (543, 30866), (560, 30821), (564, 30815), (598, 30734), (611, 30713), (635, 30668), (692, 30503), (695, 30482), (735, 30329), (745, 30290), (766, 30218), (771, 30203), (777, 30179), (783, 30161), (786, 30155), (788, 30149), (857, 29948), (898, 29813), (903, 29801), (909, 29792),

Gene: Wilkins_44 Start: 34221, Stop: 32395, Start Num: 229

Candidate Starts for Wilkins_44:

(Start: 229 @34221 has 918 MA's), (347, 34008), (354, 33993), (382, 33945), (394, 33915), (400, 33894), (402, 33888), (404, 33879), (440, 33762), (448, 33735), (500, 33642), (504, 33627), (539, 33543), (540, 33540), (566, 33474), (580, 33444), (592, 33414), (614, 33369), (635, 33330), (695, 33150), (705, 33102), (719, 33063), (735, 32997), (745, 32958), (758, 32937), (765, 32916), (771, 32898), (792, 32832), (853, 32682), (854, 32679), (861, 32643), (870, 32619), (874, 32610), (878, 32598), (890, 32550), (898, 32523), (909, 32502),

Gene: WilliamStrong_38 Start: 28667, Stop: 26775, Start Num: 270

Candidate Starts for WilliamStrong_38:

(Start: 270 @28667 has 147 MA's), (Start: 276 @28658 has 5 MA's), (321, 28571), (344, 28532), (353, 28517), (357, 28511), (384, 28460), (412, 28382), (415, 28376), (443, 28286), (479, 28154), (493, 28100), (498, 28091), (500, 28079), (509, 28049), (516, 28028), (518, 28022), (521, 28016), (522, 28013), (602, 27866), (624, 27821), (629, 27806), (672, 27695), (685, 27641), (688, 27629), (732, 27446), (735, 27428), (746, 27386), (757, 27356), (762, 27335), (773, 27299), (791, 27227), (820, 27140), (836, 27101), (854, 27041), (858, 27017), (873, 26969), (879, 26945), (896, 26873),

Gene: Windsor_60 Start: 54584, Stop: 52725, Start Num: 197

Candidate Starts for Windsor_60:

(Start: 175 @54608 has 5 MA's), (Start: 197 @54584 has 267 MA's), (Start: 231 @54560 has 5 MA's), (Start: 243 @54554 has 2 MA's), (260, 54512), (267, 54491), (316, 54377), (319, 54371), (337, 54341), (371, 54281), (381, 54260), (399, 54206), (403, 54194), (409, 54176), (413, 54164), (445, 54059), (486, 54002), (499, 53966), (502, 53954), (511, 53930), (516, 53918), (524, 53900), (531, 53882), (539, 53864), (553, 53825), (556, 53816), (557, 53813), (558, 53810), (690, 53453), (696, 53420), (702, 53399), (729, 53306), (732, 53297), (747, 53234), (765, 53198), (766, 53195), (771, 53180), (796, 53102), (800, 53090), (806, 53069), (822, 53030), (857, 52940), (862, 52922), (864, 52916), (870, 52901), (879, 52877), (881, 52862), (882, 52859), (884, 52847), (892, 52823), (911, 52775), (922, 52751),

Gene: Winzigespinne_38 Start: 28618, Stop: 26753, Start Num: 270

Candidate Starts for Winzigespinne_38:

(Start: 216 @28705 has 3 MA's), (Start: 270 @28618 has 147 MA's), (Start: 276 @28609 has 5 MA's), (333, 28504), (336, 28495), (353, 28465), (355, 28462), (408, 28342), (412, 28330), (415, 28324), (449, 28219), (456, 28192), (493, 28051), (497, 28045), (498, 28042), (500, 28030), (508, 28003), (509, 28000), (514, 27985), (516, 27979), (518, 27973), (531, 27940), (629, 27751), (728, 27436), (731, 27427), (732, 27424), (735, 27406), (746, 27364), (748, 27358), (756, 27334), (773, 27277), (820, 27118), (834, 27088), (836, 27079), (854, 27019), (858, 26995), (870, 26956), (879, 26923), (880, 26911), (896, 26851),

Gene: Wizard007_45 Start: 31575, Stop: 29749, Start Num: 229

Candidate Starts for Wizard007_45:

(Start: 229 @31575 has 918 MA's), (250, 31554), (261, 31524), (273, 31494), (365, 31332), (376, 31314), (402, 31242), (404, 31233), (441, 31113), (448, 31089), (500, 30996), (517, 30948), (528, 30927), (543, 30888), (598, 30756), (611, 30735), (635, 30690), (640, 30678), (692, 30525), (695, 30504), (728, 30381), (735, 30351), (745, 30312), (765, 30246), (766, 30243), (771, 30228), (777, 30204), (786, 30180), (857, 29973), (898, 29838), (903, 29826), (909, 29817),

Gene: Wooldri_50 Start: 31764, Stop: 29950, Start Num: 229

Candidate Starts for Wooldri_50:

(Start: 229 @31764 has 918 MA's), (255, 31725), (261, 31713), (341, 31560), (349, 31545), (382, 31488), (402, 31431), (404, 31422), (418, 31380), (432, 31329), (448, 31278), (500, 31185), (516, 31137), (519, 31128), (528, 31113), (543, 31074), (553, 31047), (566, 31017), (607, 30924), (639, 30864), (649, 30849), (695, 30693), (719, 30606), (735, 30540), (745, 30501), (766, 30429), (777, 30390), (786, 30366), (792, 30348), (802, 30315), (811, 30288), (840, 30234), (857, 30174), (881, 30096), (898, 30039), (903, 30027), (909, 30018),

Gene: Wooper_54 Start: 47982, Stop: 46165, Start Num: 236

Candidate Starts for Wooper_54:

(Start: 236 @47982 has 14 MA's), (Start: 243 @47973 has 2 MA's), (253, 47946), (258, 47934), (267, 47910), (273, 47901), (362, 47727), (395, 47652), (420, 47577), (445, 47499), (486, 47442), (499, 47406), (502, 47394), (511, 47370), (549, 47277), (557, 47253), (565, 47235), (676, 46962), (684, 46923), (691, 46893), (696, 46866), (727, 46758), (729, 46752), (732, 46743), (763, 46653), (765, 46644), (766, 46641), (771, 46626), (796, 46548), (800, 46536), (801, 46530), (806, 46515), (827, 46467), (852, 46419), (857, 46386), (864, 46362), (879, 46323), (881, 46308), (892, 46263), (922, 46191),

Gene: WunderPhul_45 Start: 29420, Stop: 27579, Start Num: 229

Candidate Starts for WunderPhul_45:

(Start: 203 @29450 has 1 MA's), (Start: 229 @29420 has 918 MA's), (341, 29216), (382, 29141), (383, 29138), (394, 29111), (398, 29096), (402, 29084), (418, 29033), (444, 28943), (448, 28931), (500, 28838), (512, 28799), (519, 28781), (528, 28766), (553, 28700), (567, 28667), (569, 28664), (615, 28562), (649, 28502), (678, 28418), (695, 28337), (718, 28253), (719, 28250), (723, 28241), (728, 28214), (735, 28184), (758, 28124), (771, 28085), (853, 27869), (854, 27866), (857, 27845), (898, 27710), (903, 27698), (909, 27689), (911, 27686), (947, 27593),

Gene: Xavier_59 Start: 54026, Stop: 52167, Start Num: 197

Candidate Starts for Xavier_59:

(Start: 175 @54050 has 5 MA's), (Start: 197 @54026 has 267 MA's), (Start: 231 @54002 has 5 MA's), (Start: 243 @53996 has 2 MA's), (260, 53954), (267, 53933), (316, 53819), (319, 53813), (337, 53783), (371, 53723), (381, 53702), (399, 53648), (403, 53636), (409, 53618), (413, 53606), (445, 53501), (486, 53444), (499, 53408), (502, 53396), (512, 53369), (531, 53324), (553, 53267), (556,

53258), (557, 53255), (690, 52895), (696, 52862), (702, 52841), (729, 52748), (732, 52739), (747, 52676), (765, 52640), (766, 52637), (771, 52622), (796, 52544), (800, 52532), (806, 52511), (822, 52472), (857, 52382), (862, 52364), (864, 52358), (870, 52343), (879, 52319), (881, 52304), (882, 52301), (884, 52289), (892, 52265), (911, 52217), (922, 52193),

Gene: Xena_43 Start: 31519, Stop: 29690, Start Num: 229

Candidate Starts for Xena_43:

(Start: 229 @31519 has 918 MA's), (261, 31468), (273, 31438), (365, 31276), (376, 31258), (382, 31243), (402, 31186), (404, 31177), (441, 31057), (448, 31033), (483, 30991), (500, 30940), (517, 30892), (528, 30871), (543, 30832), (560, 30787), (564, 30781), (598, 30700), (611, 30679), (635, 30634), (692, 30469), (695, 30448), (735, 30295), (745, 30256), (766, 30184), (771, 30169), (777, 30145), (783, 30127), (786, 30121), (788, 30115), (857, 29914), (898, 29779), (903, 29767), (909, 29758),

Gene: XianYue_44 Start: 31263, Stop: 29476, Start Num: 229

Candidate Starts for XianYue_44:

(Start: 229 @31263 has 918 MA's), (341, 31059), (343, 31056), (347, 31050), (365, 31020), (378, 30999), (382, 30987), (394, 30957), (402, 30930), (408, 30909), (448, 30777), (500, 30684), (519, 30627), (528, 30612), (553, 30546), (588, 30465), (611, 30417), (650, 30345), (695, 30192), (707, 30141), (718, 30108), (719, 30105), (735, 30039), (745, 30000), (758, 29979), (781, 29904), (786, 29892), (788, 29886), (802, 29841), (828, 29778), (853, 29724), (857, 29700), (881, 29622), (898, 29565), (903, 29553), (909, 29544),

Gene: Xincheng_54 Start: 55076, Stop: 53253, Start Num: 189

Candidate Starts for Xincheng_54:

(Start: 175 @55094 has 5 MA's), (Start: 189 @55076 has 57 MA's), (Start: 243 @55052 has 2 MA's), (253, 55025), (260, 55010), (267, 54989), (308, 54902), (316, 54884), (368, 54797), (381, 54770), (386, 54755), (409, 54689), (420, 54659), (422, 54650), (425, 54647), (426, 54644), (434, 54617), (486, 54524), (493, 54506), (499, 54488), (502, 54476), (512, 54449), (539, 54386), (553, 54347), (556, 54338), (557, 54335), (570, 54305), (586, 54269), (676, 54044), (677, 54041), (684, 54005), (690, 53981), (696, 53948), (727, 53840), (729, 53834), (732, 53825), (765, 53726), (766, 53723), (771, 53708), (796, 53630), (800, 53618), (806, 53597), (808, 53588), (822, 53558), (840, 53528), (852, 53501), (857, 53468), (862, 53450), (864, 53444), (879, 53405), (882, 53387), (884, 53375), (892, 53351), (908, 53309), (911, 53303), (922, 53279),

Gene: Yago84_49 Start: 46049, Stop: 44235, Start Num: 231

Candidate Starts for Yago84_49:

(165, 46139), (169, 46133), (Start: 231 @46049 has 5 MA's), (Start: 243 @46040 has 2 MA's), (260, 45998), (316, 45872), (343, 45830), (365, 45788), (395, 45719), (408, 45680), (412, 45668), (413, 45665), (439, 45590), (445, 45569), (499, 45476), (548, 45350), (553, 45335), (557, 45323), (594, 45233), (679, 45011), (696, 44936), (729, 44822), (732, 44813), (747, 44750), (766, 44711), (771, 44696), (796, 44618), (800, 44606), (801, 44600), (806, 44585), (808, 44576), (812, 44567), (852, 44489), (857, 44456), (858, 44453), (877, 44399), (879, 44393), (884, 44357), (892, 44333), (922, 44261),

Gene: Yahalom_57 Start: 53658, Stop: 51841, Start Num: 238

Candidate Starts for Yahalom_57:

(64, 54042), (124, 53841), (Start: 238 @53658 has 44 MA's), (253, 53628), (347, 53448), (408, 53295), (412, 53283), (422, 53253), (426, 53247), (445, 53184), (447, 53178), (486, 53127), (498, 53100), (499, 53091), (516, 53043), (557, 52938), (596, 52842), (627, 52791), (676, 52647), (684, 52608), (691, 52578), (696, 52551), (700, 52539), (727, 52443), (729, 52437), (732, 52428), (734, 52416), (759, 52344), (765, 52314), (771, 52296), (773, 52287), (796, 52218), (800, 52206), (806, 52185), (840, 52116), (849, 52101), (854, 52077), (857, 52056), (862, 52038), (864, 52032), (877,

51999), (879, 51993), (882, 51975), (884, 51963), (888, 51951), (892, 51939), (908, 51897), (922, 51867),

Gene: Yakult_46 Start: 33938, Stop: 31554, Start Num: 39

Candidate Starts for Yakult_46:

(Start: 39 @33938 has 23 MA's), (Start: 49 @33908 has 1 MA's), (76, 33824), (83, 33794), (121, 33686), (132, 33665), (241, 33527), (248, 33512), (266, 33464), (311, 33389), (313, 33383), (315, 33377), (317, 33371), (352, 33302), (366, 33278), (378, 33257), (379, 33254), (382, 33245), (405, 33179), (412, 33158), (429, 33107), (460, 33011), (473, 32957), (489, 32897), (493, 32876), (511, 32819), (513, 32813), (547, 32768), (594, 32720), (601, 32708), (634, 32636), (655, 32594), (659, 32582), (685, 32483), (693, 32441), (699, 32417), (712, 32366), (735, 32273), (744, 32237), (746, 32231), (748, 32225), (750, 32219), (766, 32162), (773, 32138), (820, 31979), (830, 31958), (844, 31919), (854, 31880), (857, 31859), (863, 31838), (868, 31826), (873, 31808), (883, 31760), (896, 31712), (902, 31688), (910, 31667), (944, 31580),

Gene: Yang_41 Start: 29089, Stop: 31023, Start Num: 162

Candidate Starts for Yang_41:

(Start: 162 @29089 has 2 MA's), (Start: 229 @29158 has 918 MA's), (260, 29206), (394, 29455), (429, 29575), (501, 29752), (504, 29761), (543, 29860), (548, 29875), (553, 29887), (611, 30013), (669, 30151), (695, 30271), (719, 30358), (733, 30415), (735, 30424), (741, 30448), (789, 30598), (853, 30760), (898, 30919),

Gene: Yappy_83 Start: 40185, Stop: 38026, Start Num: 220

Candidate Starts for Yappy_83:

(220, 40185), (250, 40149), (253, 40137), (256, 40128), (262, 40113), (275, 40083), (304, 40014), (308, 39999), (335, 39933), (364, 39885), (365, 39882), (385, 39846), (389, 39840), (390, 39837), (400, 39804), (417, 39741), (428, 39696), (442, 39654), (461, 39588), (468, 39534), (504, 39393), (523, 39339), (529, 39321), (552, 39261), (603, 39138), (646, 39027), (657, 38997), (675, 38949), (683, 38913), (688, 38898), (726, 38700), (728, 38694), (729, 38691), (739, 38640), (744, 38616), (770, 38523), (835, 38331), (837, 38328), (859, 38250), (883, 38160), (891, 38136), (898, 38112), (920, 38052),

Gene: Yarn_40 Start: 32156, Stop: 29769, Start Num: 39

Candidate Starts for Yarn_40:

(16, 32228), (19, 32213), (Start: 39 @32156 has 23 MA's), (44, 32147), (46, 32141), (66, 32060), (106, 31940), (121, 31889), (211, 31757), (241, 31730), (283, 31637), (311, 31592), (352, 31514), (379, 31466), (398, 31412), (399, 31409), (405, 31391), (412, 31370), (429, 31319), (432, 31310), (433, 31307), (456, 31232), (469, 31187), (484, 31127), (489, 31112), (513, 31028), (547, 30983), (570, 30959), (586, 30953), (594, 30929), (599, 30920), (633, 30851), (634, 30848), (635, 30845), (685, 30698), (701, 30629), (726, 30530), (735, 30494), (744, 30458), (746, 30452), (748, 30446), (750, 30440), (757, 30416), (766, 30383), (773, 30359), (783, 30314), (801, 30254), (862, 30062), (863, 30059), (896, 29933), (910, 29888), (914, 29879),

Gene: Yecey3_46 Start: 30987, Stop: 29194, Start Num: 229

Candidate Starts for Yecey3_46:

(Start: 229 @30987 has 918 MA's), (Start: 244 @30978 has 1 MA's), (341, 30783), (362, 30747), (365, 30741), (382, 30708), (394, 30678), (402, 30651), (404, 30642), (448, 30498), (500, 30405), (566, 30237), (598, 30159), (666, 30039), (668, 30033), (695, 29910), (714, 29844), (728, 29787), (732, 29775), (735, 29757), (763, 29685), (765, 29676), (840, 29478), (857, 29418), (881, 29340), (898, 29283), (903, 29271), (923, 29232),

Gene: Yeezus_55 Start: 36878, Stop: 34710, Start Num: 218

Candidate Starts for Yeezus_55:

(215, 36881), (Start: 218 @36878 has 13 MA's), (253, 36824), (291, 36740), (354, 36587), (359, 36578), (382, 36533), (403, 36455), (406, 36446), (411, 36431), (417, 36416), (418, 36413), (434, 36356), (461, 36263), (467, 36221), (523, 36026), (527, 36014), (529, 36008), (539, 35984), (546, 35963), (555, 35942), (559, 35927), (563, 35921), (591, 35858), (614, 35807), (644, 35720), (666, 35660), (678, 35612), (703, 35510), (704, 35504), (709, 35477), (710, 35474), (718, 35453), (729, 35411), (731, 35405), (736, 35381), (743, 35339), (744, 35336), (752, 35309), (760, 35276), (764, 35264), (774, 35228), (781, 35204), (783, 35198), (786, 35192), (803, 35138), (822, 35090), (823, 35087), (848, 35027), (853, 35003), (859, 34973), (876, 34919), (895, 34850), (898, 34838), (911, 34799),

Gene: YesChef_41 Start: 29651, Stop: 31516, Start Num: 229

Candidate Starts for YesChef_41:

(Start: 229 @29651 has 918 MA's), (260, 29699), (394, 29948), (421, 30038), (501, 30245), (504, 30254), (540, 30344), (543, 30353), (548, 30368), (567, 30413), (588, 30458), (611, 30506), (640, 30563), (669, 30644), (689, 30731), (695, 30764), (704, 30794), (719, 30851), (735, 30917), (741, 30941), (764, 31010), (786, 31082), (789, 31091), (825, 31190), (853, 31253), (857, 31277), (891, 31388), (898, 31412), (902, 31421),

Gene: Yinz_58 Start: 53540, Stop: 51720, Start Num: 236

Candidate Starts for Yinz_58:

(124, 53720), (Start: 236 @53540 has 14 MA's), (253, 53507), (347, 53327), (408, 53174), (412, 53162), (422, 53132), (426, 53126), (445, 53063), (447, 53057), (486, 53006), (498, 52979), (499, 52970), (516, 52922), (557, 52817), (596, 52721), (627, 52670), (676, 52526), (684, 52487), (691, 52457), (696, 52430), (700, 52418), (727, 52322), (729, 52316), (732, 52307), (734, 52295), (759, 52223), (765, 52193), (771, 52175), (773, 52166), (796, 52097), (800, 52085), (806, 52064), (840, 51995), (849, 51980), (854, 51956), (857, 51935), (864, 51911), (879, 51872), (882, 51854), (884, 51842), (888, 51830), (892, 51818), (908, 51776), (922, 51746),

Gene: YoSam321_45 Start: 31564, Stop: 29738, Start Num: 229

Candidate Starts for YoSam321_45:

(Start: 229 @31564 has 918 MA's), (250, 31543), (261, 31513), (273, 31483), (365, 31321), (376, 31303), (402, 31231), (404, 31222), (441, 31102), (448, 31078), (500, 30985), (517, 30937), (528, 30916), (543, 30877), (598, 30745), (611, 30724), (635, 30679), (640, 30667), (692, 30514), (695, 30493), (728, 30370), (735, 30340), (745, 30301), (765, 30235), (766, 30232), (771, 30217), (777, 30193), (786, 30169), (857, 29962), (898, 29827), (903, 29815), (909, 29806),

Gene: Yogi_36 Start: 28087, Stop: 26303, Start Num: 229

Candidate Starts for Yogi_36:

(Start: 229 @28087 has 918 MA's), (361, 27853), (378, 27823), (381, 27814), (382, 27811), (398, 27766), (402, 27754), (404, 27745), (418, 27703), (448, 27601), (477, 27580), (500, 27508), (514, 27463), (516, 27460), (536, 27418), (538, 27412), (543, 27397), (553, 27370), (598, 27265), (614, 27238), (635, 27199), (695, 27019), (705, 26971), (735, 26866), (736, 26863), (758, 26806), (765, 26785), (779, 26737), (804, 26662), (837, 26593), (853, 26551), (857, 26527), (881, 26449), (898, 26392), (903, 26380), (925, 26323),

Gene: Yokurt_45 Start: 29422, Stop: 27581, Start Num: 229

Candidate Starts for Yokurt_45:

(Start: 203 @29452 has 1 MA's), (Start: 229 @29422 has 918 MA's), (341, 29218), (382, 29143), (383, 29140), (394, 29113), (398, 29098), (402, 29086), (418, 29035), (444, 28945), (448, 28933), (500, 28840), (512, 28801), (519, 28783), (528, 28768), (553, 28702), (567, 28669), (569, 28666), (615, 28564), (649, 28504), (678, 28420), (695, 28339), (718, 28255), (719, 28252), (723, 28243), (728, 28216), (735, 28186), (758, 28126), (771, 28087), (853, 27871), (854, 27868), (857, 27847), (898, 27712), (903, 27700), (909, 27691), (911, 27688), (947, 27595),

Gene: Yoncess_36 Start: 28088, Stop: 26304, Start Num: 229

Candidate Starts for Yoncess_36:

(Start: 229 @28088 has 918 MA's), (361, 27854), (378, 27824), (381, 27815), (382, 27812), (398, 27767), (402, 27755), (418, 27704), (448, 27602), (477, 27581), (500, 27509), (514, 27464), (516, 27461), (536, 27419), (538, 27413), (539, 27410), (543, 27398), (553, 27371), (579, 27317), (598, 27266), (614, 27239), (635, 27200), (695, 27020), (705, 26972), (735, 26867), (736, 26864), (758, 26807), (765, 26786), (779, 26738), (804, 26663), (837, 26594), (853, 26552), (857, 26528), (881, 26450), (898, 26393), (903, 26381), (925, 26324),

Gene: Yoshand_62 Start: 54312, Stop: 52453, Start Num: 197

Candidate Starts for Yoshand_62:

(Start: 175 @54336 has 5 MA's), (Start: 197 @54312 has 267 MA's), (Start: 231 @54288 has 5 MA's), (Start: 243 @54282 has 2 MA's), (260, 54240), (267, 54219), (316, 54105), (319, 54099), (337, 54069), (371, 54009), (381, 53988), (399, 53934), (403, 53922), (409, 53904), (413, 53892), (445, 53787), (486, 53730), (499, 53694), (502, 53682), (511, 53658), (516, 53646), (524, 53628), (531, 53610), (539, 53592), (553, 53553), (556, 53544), (557, 53541), (558, 53538), (690, 53181), (696, 53148), (702, 53127), (729, 53034), (732, 53025), (747, 52962), (765, 52926), (766, 52923), (771, 52908), (796, 52830), (800, 52818), (806, 52797), (822, 52758), (857, 52668), (862, 52650), (864, 52644), (870, 52629), (879, 52605), (881, 52590), (882, 52587), (884, 52575), (892, 52551), (911, 52503), (922, 52479),

Gene: YouGoGlencoco_61 Start: 54264, Stop: 52405, Start Num: 197

Candidate Starts for YouGoGlencoco_61:

(Start: 175 @54288 has 5 MA's), (Start: 197 @54264 has 267 MA's), (Start: 231 @54240 has 5 MA's), (Start: 243 @54234 has 2 MA's), (260, 54192), (267, 54171), (316, 54057), (319, 54051), (337, 54021), (371, 53961), (381, 53940), (399, 53886), (403, 53874), (409, 53856), (413, 53844), (445, 53739), (486, 53682), (499, 53646), (502, 53634), (512, 53607), (524, 53580), (531, 53562), (539, 53544), (553, 53505), (556, 53496), (557, 53493), (664, 53235), (690, 53133), (696, 53100), (702, 53079), (729, 52986), (732, 52977), (747, 52914), (765, 52878), (766, 52875), (771, 52860), (796, 52782), (800, 52770), (806, 52749), (822, 52710), (857, 52620), (862, 52602), (864, 52596), (870, 52581), (879, 52557), (881, 52542), (882, 52539), (884, 52527), (892, 52503), (911, 52455), (922, 52431),

Gene: Yummy_45 Start: 32562, Stop: 30172, Start Num: 32

Candidate Starts for Yummy_45:

(Start: 32 @32562 has 16 MA's), (58, 32499), (63, 32481), (66, 32466), (83, 32412), (87, 32400), (94, 32379), (106, 32346), (116, 32319), (121, 32295), (147, 32268), (211, 32163), (251, 32115), (311, 31998), (352, 31917), (368, 31890), (379, 31869), (398, 31815), (399, 31812), (405, 31794), (412, 31773), (432, 31713), (489, 31515), (500, 31473), (547, 31386), (570, 31362), (586, 31356), (609, 31302), (612, 31296), (633, 31254), (634, 31251), (635, 31248), (685, 31101), (693, 31059), (701, 31032), (712, 30990), (735, 30897), (744, 30861), (746, 30855), (748, 30849), (750, 30843), (757, 30819), (766, 30786), (773, 30762), (783, 30717), (801, 30657), (854, 30504), (896, 30336), (910, 30291), (914, 30282), (918, 30273),

Gene: YuuY_37 Start: 29162, Stop: 27261, Start Num: 270

Candidate Starts for YuuY_37:

(Start: 270 @29162 has 147 MA's), (344, 29024), (353, 29009), (357, 29003), (373, 28976), (384, 28952), (398, 28916), (412, 28874), (415, 28868), (431, 28817), (443, 28778), (463, 28718), (479, 28649), (493, 28592), (498, 28583), (500, 28571), (509, 28541), (522, 28505), (610, 28337), (629, 28292), (672, 28181), (725, 27956), (726, 27950), (729, 27941), (735, 27914), (773, 27785), (785, 27734), (854, 27527), (858, 27503), (869, 27470), (870, 27464), (896, 27359),

Gene: Zada_39 Start: 28906, Stop: 27041, Start Num: 270

Candidate Starts for Zada_39:

(Start: 216 @28993 has 3 MA's), (219, 28990), (Start: 270 @28906 has 147 MA's), (Start: 276 @28897 has 5 MA's), (333, 28792), (336, 28783), (353, 28753), (355, 28750), (408, 28630), (412, 28618), (415, 28612), (449, 28507), (456, 28480), (493, 28339), (497, 28333), (498, 28330), (500, 28318), (508, 28291), (509, 28288), (514, 28273), (516, 28267), (518, 28261), (531, 28228), (602, 28099), (629, 28039), (728, 27724), (731, 27715), (732, 27712), (735, 27694), (746, 27652), (748, 27646), (751, 27637), (756, 27622), (773, 27565), (820, 27406), (834, 27376), (836, 27367), (854, 27307), (858, 27283), (870, 27244), (879, 27211), (880, 27199), (896, 27139),

Gene: Zaider_61 Start: 54505, Stop: 52646, Start Num: 197

Candidate Starts for Zaider_61:

(Start: 175 @54529 has 5 MA's), (Start: 197 @54505 has 267 MA's), (Start: 231 @54481 has 5 MA's), (Start: 243 @54475 has 2 MA's), (260, 54433), (267, 54412), (316, 54298), (319, 54292), (337, 54262), (371, 54202), (381, 54181), (399, 54127), (403, 54115), (409, 54097), (413, 54085), (445, 53980), (486, 53923), (499, 53887), (502, 53875), (511, 53851), (516, 53839), (524, 53821), (531, 53803), (539, 53785), (553, 53746), (556, 53737), (557, 53734), (558, 53731), (690, 53374), (696, 53341), (702, 53320), (729, 53227), (732, 53218), (747, 53155), (765, 53119), (766, 53116), (771, 53101), (796, 53023), (800, 53011), (806, 52990), (822, 52951), (857, 52861), (862, 52843), (864, 52837), (870, 52822), (879, 52798), (881, 52783), (882, 52780), (884, 52768), (892, 52744), (911, 52696), (922, 52672),

Gene: Zaka_45 Start: 29422, Stop: 27581, Start Num: 229

Candidate Starts for Zaka_45:

(Start: 203 @29452 has 1 MA's), (Start: 229 @29422 has 918 MA's), (341, 29218), (382, 29143), (383, 29140), (394, 29113), (398, 29098), (402, 29086), (418, 29035), (444, 28945), (448, 28933), (500, 28840), (512, 28801), (519, 28783), (528, 28768), (553, 28702), (567, 28669), (569, 28666), (615, 28564), (649, 28504), (678, 28420), (695, 28339), (718, 28255), (719, 28252), (723, 28243), (728, 28216), (735, 28186), (758, 28126), (771, 28087), (853, 27871), (854, 27868), (857, 27847), (898, 27712), (903, 27700), (909, 27691), (911, 27688), (947, 27595),

Gene: Zareef_42 Start: 32040, Stop: 29683, Start Num: 39

Candidate Starts for Zareef_42:

(37, 32049), (Start: 39 @32040 has 23 MA's), (46, 32025), (53, 31989), (101, 31854), (121, 31791), (154, 31749), (160, 31737), (Start: 234 @31635 has 1 MA's), (Start: 243 @31632 has 2 MA's), (274, 31557), (298, 31518), (311, 31497), (340, 31446), (363, 31404), (379, 31374), (398, 31320), (405, 31299), (412, 31278), (433, 31215), (472, 31080), (476, 31065), (483, 31038), (489, 31020), (513, 30936), (544, 30900), (612, 30807), (633, 30765), (634, 30762), (635, 30759), (650, 30735), (655, 30723), (659, 30711), (693, 30570), (701, 30543), (735, 30408), (744, 30372), (746, 30366), (748, 30360), (750, 30354), (757, 30330), (766, 30297), (773, 30273), (783, 30228), (785, 30222), (803, 30162), (844, 30054), (860, 29985), (863, 29973), (871, 29949), (888, 29871), (896, 29847), (920, 29778),

Gene: Zayuliv_37 Start: 27590, Stop: 25725, Start Num: 270

Candidate Starts for Zayuliv_37:

(Start: 270 @27590 has 147 MA's), (274, 27584), (326, 27485), (333, 27476), (344, 27452), (353, 27437), (357, 27431), (384, 27380), (386, 27377), (415, 27296), (463, 27146), (465, 27143), (489, 27044), (497, 27017), (498, 27014), (500, 27002), (509, 26972), (516, 26951), (530, 26915), (610, 26768), (678, 26588), (728, 26408), (735, 26378), (750, 26324), (757, 26306), (773, 26249), (781, 26222), (790, 26180), (834, 26060), (836, 26051), (854, 25991), (858, 25967), (861, 25955), (864, 25946), (870, 25928), (879, 25895), (896, 25823),

Gene: Zeeculate_43 Start: 34848, Stop: 33013, Start Num: 229

Candidate Starts for Zeeculate_43:

(Start: 229 @34848 has 918 MA's), (325, 34677), (354, 34620), (394, 34542), (400, 34521), (402, 34515), (404, 34506), (432, 34413), (440, 34389), (448, 34362), (500, 34269), (504, 34254), (516, 34221), (539, 34170), (540, 34167), (566, 34101), (580, 34071), (592, 34041), (614, 33996), (635, 33957), (695, 33777), (704, 33747), (705, 33729), (719, 33690), (735, 33624), (765, 33543), (766, 33540), (792, 33459), (853, 33309), (854, 33306), (861, 33270), (870, 33246), (878, 33225), (898, 33150), (909, 33129),

Gene: Zelda_61 Start: 54666, Stop: 52807, Start Num: 197

Candidate Starts for Zelda_61:

(Start: 175 @54690 has 5 MA's), (Start: 197 @54666 has 267 MA's), (Start: 231 @54642 has 5 MA's), (Start: 243 @54636 has 2 MA's), (260, 54594), (267, 54573), (316, 54459), (319, 54453), (337, 54423), (371, 54363), (381, 54342), (399, 54288), (403, 54276), (409, 54258), (413, 54246), (445, 54141), (486, 54084), (499, 54048), (502, 54036), (512, 54009), (531, 53964), (553, 53907), (556, 53898), (557, 53895), (690, 53535), (696, 53502), (702, 53481), (729, 53388), (732, 53379), (747, 53316), (765, 53280), (766, 53277), (771, 53262), (796, 53184), (800, 53172), (806, 53151), (822, 53112), (857, 53022), (862, 53004), (864, 52998), (870, 52983), (879, 52959), (881, 52944), (882, 52941), (884, 52929), (892, 52905), (911, 52857), (922, 52833),

Gene: Zemanar_54 Start: 53874, Stop: 52054, Start Num: 194

Candidate Starts for Zemanar_54:

(Start: 175 @53892 has 5 MA's), (Start: 194 @53874 has 1 MA's), (Start: 243 @53850 has 2 MA's), (253, 53823), (260, 53808), (298, 53736), (300, 53730), (365, 53601), (370, 53592), (372, 53589), (382, 53568), (391, 53544), (403, 53508), (405, 53502), (413, 53478), (415, 53475), (420, 53460), (422, 53451), (425, 53448), (486, 53325), (493, 53307), (499, 53289), (502, 53277), (512, 53250), (556, 53139), (557, 53136), (565, 53118), (570, 53106), (588, 53064), (593, 53052), (627, 52989), (676, 52845), (677, 52842), (684, 52806), (690, 52782), (691, 52776), (696, 52749), (729, 52635), (732, 52626), (763, 52536), (765, 52527), (771, 52509), (796, 52431), (800, 52419), (806, 52398), (812, 52380), (822, 52359), (840, 52329), (857, 52269), (862, 52251), (864, 52245), (879, 52206), (881, 52191), (882, 52188), (884, 52176), (892, 52152), (908, 52110), (911, 52104), (912, 52101), (922, 52080),

Gene: Zenitsu_38 Start: 28753, Stop: 26888, Start Num: 270

Candidate Starts for Zenitsu_38:

(Start: 270 @28753 has 147 MA's), (321, 28654), (357, 28594), (384, 28543), (412, 28465), (415, 28459), (429, 28414), (430, 28411), (431, 28408), (443, 28369), (463, 28309), (493, 28186), (498, 28177), (500, 28165), (503, 28153), (509, 28135), (516, 28114), (521, 28102), (610, 27931), (676, 27763), (723, 27598), (731, 27562), (735, 27541), (746, 27499), (773, 27412), (783, 27367), (816, 27268), (834, 27223), (854, 27154), (858, 27130), (869, 27097), (896, 26986),

Gene: Zenteno07_62 Start: 54178, Stop: 52334, Start Num: 222

Candidate Starts for Zenteno07_62:

(Start: 222 @54178 has 2 MA's), (260, 54121), (271, 54094), (295, 54058), (319, 53992), (371, 53905), (382, 53881), (393, 53851), (399, 53830), (408, 53806), (413, 53791), (445, 53686), (499, 53593), (502, 53581), (516, 53545), (557, 53440), (627, 53293), (656, 53209), (658, 53203), (676, 53143), (677, 53140), (684, 53104), (690, 53080), (696, 53047), (729, 52933), (732, 52924), (765, 52810), (771, 52792), (796, 52714), (800, 52702), (806, 52681), (840, 52612), (849, 52597), (857, 52552), (864, 52528), (879, 52489), (881, 52474), (884, 52459), (892, 52435), (908, 52390), (911, 52384), (922, 52360),

Gene: Zephyr_44 Start: 34559, Stop: 32733, Start Num: 229

Candidate Starts for Zephyr_44:

(Start: 229 @34559 has 918 MA's), (325, 34388), (347, 34346), (354, 34331), (382, 34283), (394, 34253), (400, 34232), (402, 34226), (404, 34217), (440, 34100), (448, 34073), (500, 33980), (504, 33965), (539, 33881), (540, 33878), (566, 33812), (580, 33782), (592, 33752), (614, 33707), (635, 33668), (695, 33488), (704, 33458), (705, 33440), (719, 33401), (735, 33335), (765, 33254), (766, 33251), (792, 33170), (853, 33020), (854, 33017), (861, 32981), (870, 32957), (874, 32948), (878, 32936), (898, 32861), (909, 32840),

Gene: Zepp_38 Start: 27049, Stop: 25184, Start Num: 270

Candidate Starts for Zepp_38:

(Start: 270 @27049 has 147 MA's), (274, 27043), (326, 26944), (333, 26935), (344, 26911), (353, 26896), (357, 26890), (384, 26839), (386, 26836), (415, 26755), (434, 26695), (463, 26605), (465, 26602), (489, 26503), (497, 26476), (498, 26473), (500, 26461), (509, 26431), (516, 26410), (530, 26374), (610, 26227), (678, 26047), (728, 25867), (735, 25837), (750, 25783), (757, 25765), (773, 25708), (781, 25681), (790, 25639), (834, 25519), (836, 25510), (854, 25450), (858, 25426), (861, 25414), (864, 25405), (870, 25387), (879, 25354), (896, 25282),

Gene: Zeta1847_40 Start: 29119, Stop: 31065, Start Num: 227

Candidate Starts for Zeta1847_40:

(137, 28978), (148, 29005), (177, 29059), (179, 29062), (Start: 227 @29119 has 8 MA's), (260, 29167), (295, 29227), (322, 29284), (327, 29293), (341, 29323), (380, 29380), (383, 29389), (408, 29464), (447, 29593), (497, 29692), (501, 29713), (538, 29806), (543, 29821), (548, 29836), (611, 29974), (643, 30040), (668, 30112), (695, 30235), (702, 30256), (726, 30352), (728, 30358), (750, 30442), (771, 30505), (777, 30529), (783, 30547), (793, 30574), (835, 30679), (854, 30727), (870, 30787), (898, 30883), (920, 30928),

Gene: Zetzy_47 Start: 31416, Stop: 29602, Start Num: 229

Candidate Starts for Zetzy_47:

(Start: 229 @31416 has 918 MA's), (255, 31377), (261, 31365), (341, 31212), (349, 31197), (382, 31140), (402, 31083), (404, 31074), (418, 31032), (432, 30981), (448, 30930), (500, 30837), (516, 30789), (519, 30780), (528, 30765), (543, 30726), (553, 30699), (566, 30669), (598, 30591), (607, 30576), (639, 30516), (649, 30501), (695, 30345), (718, 30261), (719, 30258), (735, 30192), (745, 30153), (766, 30081), (777, 30042), (786, 30018), (792, 30000), (802, 29967), (811, 29940), (840, 29886), (857, 29826), (898, 29691), (903, 29679), (909, 29670),

Gene: Zeuska_44 Start: 34791, Stop: 32962, Start Num: 229

Candidate Starts for Zeuska_44:

(Start: 229 @34791 has 918 MA's), (347, 34578), (354, 34563), (382, 34515), (394, 34485), (400, 34464), (402, 34458), (404, 34449), (440, 34332), (448, 34305), (500, 34212), (504, 34197), (516, 34164), (539, 34113), (540, 34110), (566, 34044), (580, 34014), (592, 33984), (614, 33939), (635, 33900), (695, 33720), (705, 33672), (723, 33624), (732, 33585), (735, 33567), (745, 33528), (758, 33507), (765, 33486), (770, 33471), (808, 33348), (875, 33177), (880, 33153), (895, 33105), (898, 33093), (909, 33072), (912, 33066), (928, 33018), (935, 33003),

Gene: Zimmer_42 Start: 32129, Stop: 30285, Start Num: 229

Candidate Starts for Zimmer_42:

(136, 32273), (147, 32246), (Start: 229 @32129 has 918 MA's), (311, 31991), (327, 31955), (341, 31925), (365, 31883), (383, 31847), (400, 31799), (402, 31793), (408, 31772), (444, 31652), (448, 31640), (500, 31547), (502, 31538), (516, 31499), (519, 31490), (528, 31475), (553, 31409), (576, 31361), (603, 31292), (649, 31211), (667, 31169), (678, 31124), (684, 31097), (695, 31043), (707, 30992), (719, 30956), (735, 30890), (745, 30851), (758, 30830), (765, 30809), (802, 30692), (828, 30629), (853, 30575), (854, 30572), (857, 30551), (877, 30494), (881, 30473), (898, 30416), (903, 30404), (925, 30347),

Gene: Zolita_39 Start: 31121, Stop: 29256, Start Num: 229

Candidate Starts for Zolita_39:

(Start: 229 @31121 has 918 MA's), (261, 31070), (296, 31010), (327, 30947), (341, 30917), (343, 30914), (378, 30857), (394, 30815), (402, 30788), (448, 30635), (500, 30539), (510, 30506), (516, 30491), (550, 30407), (553, 30401), (567, 30368), (607, 30281), (614, 30269), (635, 30230), (664, 30170), (695, 30035), (704, 30005), (705, 29987), (718, 29951), (719, 29948), (735, 29882), (745, 29843), (765, 29801), (771, 29783), (786, 29735), (788, 29729), (802, 29684), (823, 29630), (828, 29621), (840, 29603), (862, 29525), (880, 29468), (891, 29432), (898, 29408), (903, 29396), (956, 29264),

Gene: Zonia_62 Start: 54586, Stop: 52727, Start Num: 197

Candidate Starts for Zonia_62:

(Start: 175 @54610 has 5 MA's), (Start: 197 @54586 has 267 MA's), (Start: 231 @54562 has 5 MA's), (Start: 243 @54556 has 2 MA's), (260, 54514), (267, 54493), (316, 54379), (319, 54373), (337, 54343), (371, 54283), (381, 54262), (399, 54208), (403, 54196), (409, 54178), (413, 54166), (445, 54061), (486, 54004), (499, 53968), (502, 53956), (512, 53929), (531, 53884), (553, 53827), (556, 53818), (557, 53815), (664, 53557), (690, 53455), (696, 53422), (702, 53401), (729, 53308), (732, 53299), (747, 53236), (765, 53200), (766, 53197), (771, 53182), (796, 53104), (800, 53092), (806, 53071), (822, 53032), (857, 52942), (862, 52924), (864, 52918), (870, 52903), (879, 52879), (881, 52864), (882, 52861), (884, 52849), (892, 52825), (898, 52804), (911, 52777), (922, 52753), (924, 52738),

Gene: Zooman_100 Start: 78594, Stop: 76723, Start Num: 235

Candidate Starts for Zooman_100:

(184, 78654), (Start: 189 @78648 has 57 MA's), (206, 78624), (215, 78615), (223, 78606), (Start: 235 @78594 has 5 MA's), (325, 78393), (356, 78333), (368, 78318), (412, 78210), (415, 78204), (446, 78111), (452, 78093), (483, 78066), (502, 78018), (532, 77934), (543, 77907), (567, 77847), (582, 77814), (600, 77772), (635, 77709), (650, 77682), (659, 77661), (695, 77520), (706, 77469), (725, 77406), (742, 77322), (747, 77307), (750, 77298), (775, 77211), (777, 77202), (789, 77169), (849, 77013), (875, 76917), (881, 76890), (885, 76869), (898, 76833),

Gene: Zuko_78 Start: 57486, Stop: 60083, Start Num: 12

Candidate Starts for Zuko_78:

(Start: 12 @57486 has 1 MA's), (20, 57528), (25, 57549), (26, 57558), (Start: 33 @57591 has 1 MA's), (68, 57720), (Start: 70 @57726 has 1 MA's), (108, 57849), (138, 57927), (171, 57990), (191, 58023), (198, 58032), (Start: 252 @58110 has 4 MA's), (256, 58122), (Start: 276 @58167 has 5 MA's), (311, 58236), (319, 58257), (398, 58416), (403, 58431), (412, 58458), (432, 58518), (436, 58530), (458, 58578), (489, 58695), (544, 58815), (630, 58995), (634, 59010), (635, 59013), (672, 59103), (682, 59148), (701, 59232), (721, 59304), (728, 59337), (735, 59367), (744, 59403), (746, 59409), (748, 59415), (750, 59421), (766, 59478), (773, 59502), (814, 59643), (830, 59682), (857, 59781), (862, 59799), (871, 59826), (885, 59895), (891, 59913), (896, 59928), (908, 59967), (910, 59973), (926, 60021),

Gene: Zulu_46 Start: 29773, Stop: 27932, Start Num: 229

Candidate Starts for Zulu_46:

(Start: 203 @29803 has 1 MA's), (Start: 229 @29773 has 918 MA's), (341, 29569), (382, 29494), (383, 29491), (394, 29464), (398, 29449), (402, 29437), (418, 29386), (444, 29296), (448, 29284), (500, 29191), (512, 29152), (519, 29134), (528, 29119), (553, 29053), (567, 29020), (569, 29017), (615, 28915), (649, 28855), (678, 28771), (695, 28690), (718, 28606), (719, 28603), (723, 28594), (728, 28567), (735, 28537), (758, 28477), (771, 28438), (853, 28222), (854, 28219), (857, 28198), (898, 28063), (903, 28051), (909, 28042), (911, 28039), (947, 27946),

Gene: phiBT1_11 Start: 28224, Stop: 30098, Start Num: 229

Candidate Starts for phiBT1_11:

(Start: 229 @28224 has 918 MA's), (273, 28305), (298, 28338), (341, 28425), (388, 28512), (394, 28527), (400, 28548), (404, 28563), (447, 28704), (498, 28785), (501, 28803), (522, 28860), (539, 28902), (543, 28914), (549, 28932), (565, 28968), (598, 29046), (605, 29058), (611, 29067), (635, 29112), (640, 29124), (646, 29136), (676, 29232), (686, 29274), (695, 29325), (705, 29376), (726, 29448), (728, 29454), (729, 29457), (732, 29466), (735, 29484), (744, 29550), (763, 29604), (822, 29781), (825, 29787), (849, 29829), (852, 29841), (857, 29874), (861, 29889), (864, 29898), (875, 29925), (881, 29952), (898, 30009), (901, 30015), (909, 30030),

Gene: phiSASD1_12 Start: 28284, Stop: 30140, Start Num: 229

Candidate Starts for phiSASD1_12:

(Start: 229 @28284 has 918 MA's), (260, 28332), (261, 28335), (361, 28530), (403, 28638), (423, 28701), (501, 28881), (522, 28938), (536, 28971), (543, 28992), (588, 29097), (635, 29190), (643, 29208), (683, 29343), (692, 29382), (695, 29403), (698, 29409), (705, 29451), (719, 29490), (721, 29493), (725, 29514), (728, 29526), (729, 29529), (735, 29556), (750, 29610), (777, 29697), (793, 29742), (821, 29820), (864, 29940), (880, 29991), (898, 30051),