

1: Aeneas_33	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661		686	704		
2: Crispious1_30 + 22	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
3: Ringer_31	264	287	313	343	360	371	385	417		491	509	526	546	587		640	653	661		686	704	
4: Museum_33 + 4	264	287	313	343	360	371	385	417		491	526	546	587		640	653	661		686	704		
5: Lesedi_30	264	287	313	343	360	371	385	417		491	511	526	546	587		640	653	661		686	704	
6: GageAP_33 + 1	264	287	313	343	360	371	385	417		491	526	546	587		640	653	661		686	704		
7: Marchy_30 + 3	264	287	313	343	360	371	385	417	426	491	511	526	546	587	623	640	653	661		686	704	
8: Kugel_32	264	287	313	343	360	371	385	417	426	491	526	546	587		640	653	661		686	704		
9: BarrowIuph_30	264	287	313	343	360	371	385	417		491	509	526	546	587	599	640	653	661		686	704	
10: Ichabod_32 + 1	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661		686	704		
11: NorZ_33 + 13	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
12: Tasp14_32	264	287	313	343	360	371	385	417		491	526	546	587	623	640	653	661		686	704		
13: Aisiro_35	264	287	313	343	360	385	397	417		491	509	526	546	587	599	640	653	661		686	704	
14: KikiBouba_33 + 6	264	287	313	343	360	385	397	417		491	526	546	571	587	599	640	653	661		686	704	
15: Kykar_31 + 1	264	287	313	343	360	385	397	417		491	526	546	571	587	623	640	653	661		686	704	
16: Inyanga_30 + 1	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
17: Arcanine_32 + 3	264	287	313	343	360	371	385	417	426	491	509	526	546	587	623	640	653	661		686	704	
18: EnzoK_32	264	287	313	343	360	371	385	417		491	526	546	587		640	653	661		686	704		
19: HanShotFirst_31 + 2	264	287	313	343	360	385	397	417		491	526	546	587	623	640	653	661		686	704		
20: Sandaddy_30 + 2	264	287	313	343	360	385	397	417	426	491	526	546	587		640	653	661	673	686	704		
21: Violet_30	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
22: Michney_31	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
23: Paphu_30 + 11	264	287	313	343	360	371	385	417		491	509	526	546	587	623	640	653	661		686	704	
24: KBG_32	264	287	313	343	360	371	385	417		491	509	526	546	587	623	640	653	661		686	704	
25: DD5_32	264	287	313	343	360	371	385	417		491	526	546	587	623	640	653	661		686	704		
26: RidgeCB_31 + 10	264	287	313	343	360	385	397	417		491	526	546	587	599	623	640	653	661	673	686	704	
27: Adanisi_32	264	287	313	343	360	371	385	417		491	509	526	546	587		640	653	661		686	704	
28: ChristmasHams_32	264	287	313	343	360	371	385	417		491	526	546	571	587	623	640	653	661		686	704	
29: Doom_32	264	287	313	343	360	371	385	417		491	509	526	546	571	587	623	640	653	661		686	704
30: PacerPaul_31 + 2	264	287	313	343	360	385	397	417		491	509	526	546	587	599	623	640	653	661		686	704
31: Trait412_33	264	287	313	343	360	385	397	417		491	526	546	587	599	623	640	653	661		686	704	
32: Ciao_31	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661		686	704		
33: Abrogate_320 + 1	264	287	313	343	360	371	385	417		491	526	546	566	587		640	653	661		686	704	
34: GMonster_30	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
35: Par1_32	264	287	313	343	360	385	397	417		491	526	546	576	587	599	623	640	653	661		686	704
36: ShortQueendom_30	264	287	313	343	360	385	397	417		491	526	546	571	587	599	623	640	653	661	673	686	704
37: Maroc7_30	264	287	313	343	360	371	385	417		491	509	526	546	587		640	653	661		686	704	
38: BaconJack_34 + 1	264	287	313	343	360	385	397	417		491	526	546	571	587	623	640	653	661		686	704	
39: Pinto_34	264	287	313	343	360	385	397	417		491	526	546	571	587	623	640	653	661		686	704	
40: Bx01_29	264	287	313	343	360	385	397	417	426	491	526	546	587	623	640	653	661		686	704		
41: Ario_30 + 2	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661		686	704		
42: ImiteFeuille_28	264	287	313	343	360	371	385	417		491	509	526	546	587	623	640	653	661		686	704	
43: Ajay_32 + 2	264	287	313	343	360	385	397	417		491	509	526	546	587		640	653	661		686	704	
44: KyMonks1A_33 + 2	264	287	313	343	360	385	397	417		491	509	526	546	587		640	653	661		686	704	
45: JuliaChild_33 + 3	264	287	313	343	360	385	397	417		491	511	526	546	587	623	640	653	661		686	704	
46: Turj99_30 + 1	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661		686	704		
47: Fajezeel_33 + 2	264	287	313	343	360	371	385	417		491	526	546	587		640	653	661		686	704		
48: Sanya_30	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661		686	704		
49: A6_29 + 1	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661	673	686	704		
50: BigMau_33	264	287	313	343	360	385	397	417		491	526	546	587		640	653	661	673	686	704		

51: Raid_31	264	287	313	344	368	371	385	397	417		491	511	526	546	587		640	653	661		696	704	
52: STLScum_32	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
53: Zeeculate_31	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
54: IgnatiusPatJac_31 + 1	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
55: EyeBall_31	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
56: Abbyshoes_32 + 1	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
57: Nnonho_31	264	281	310	340	368	371	381	391	411	426	491	511	526	546	581	599	625	640	653	661	696	704	
58: Biesser_31	264	281	310	340	368	381	391	411			491	508	526	546	581	599	625	640	653	661	696	704	
59: KSSJEB_31	264	281	310	340	368	371	381	391	411		491	511	526	546	576	581	599	625	640	653	661	696	704
60: Forsytheast_31 + 2	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
61: Buttons_33	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
62: SarFire_31 + 2	264	281	310	340	368	381	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
63: AppleJack_31	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
64: Conceptu_33 + 2	264	281	310	340	368	371	381	391	411		491	508	526	546	581	599	625	640	653	661	696	704	
65: Lopton_32	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
66: U2_31	264	281	310	340	368	371	381	391	411		491	511	526	546	571	581	599	625	640	653	661	696	704
67: Espresso_31	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
68: LunarLander_32	264	281	310	340	368	371	381	391	411		491	508	526	546	581	599	625	640	653	661	696	704	
69: NeruJay_32 + 1	264	281	310	340	368	381	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
70: Lamina13_31 + 1	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
71: Dexes_32	264	281	310	340	368	381	391	411			491	508	526	546	581	599	625	640	653	661	696	704	
72: BlackName_31	264	281	310	340	368	381	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
73: Dulcie_30	264	281	310	340	368	381	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
74: Umno789_31	264	281	310	340	368	386	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
75: Sumter_30 + 4	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
76: Dussy_32	264	281	310	340	368	381	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
77: Peterson_34	264	281	310	340	368	371	381	391	411	426	441	491	511	526	546	581	599	625	640	653	661	696	704
78: Fern_32 + 1	264	281	310	340	368	381	391	411		426	491	511	526	546	581	599	625	640	653	661	696	704	
79: Parliament_30	264	281	310	340	368	386	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
80: Squee_32	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
81: Perseus_33	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
82: Phippers_30 + 2	264	281	310	340	368	381	391	411			471	491	526	546	581	599	625	640	653	661	696	704	
83: Magnar_31	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
84: Fascinus_30	264	281	310	340	368	381	391	411			491	511	526	546	576	581	599	625	640	653	661	696	704
85: Jorgensen_31	264	281	310	340	368	371	381	391	411		491	511	526	546	576	581	599	625	640	653	661	696	704
86: CactusRose_30	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
87: MetalQZJ_31 + 2	264	281	310	340	368	381	391	411			491	508	526	546	581	599	625	640	653	661	696	704	
88: SpikeBT_33	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
89: Petruccio_32	264	281	310	340	368	381	391	411			491	508	526	546	581	599	625	640	653	661	696	704	
90: StewieG_30	264	281	310	340	368	381	391	411			491	508	526	546	581	599	625	640	653	661	696	704	
91: Pepe_32	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
92: PowerRanger_33	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
93: Slagathor_32	264	281	310	340	368	381	391	411		426	491	511	526	546	571	581	599	625	640	653	661	696	704
94: Gwendoluna_33	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
95: iLeeKay_33	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
96: Marco3_31 + 1	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
97: BeesKnees_32	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
98: Bruns_30	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	
99: Gyzlar_33 + 1	264	281	310	340	368	371	381	391	411		491	511	526	546	581	599	625	640	653	661	696	704	
100: Sunshine924_32	264	281	310	340	368	381	391	411			491	511	526	546	581	599	625	640	653	661	696	704	

Index	Label	Value
r01:	BPBlebs31_32	764
r02:	Pippin_33	781
r03:	Hamit_33	781
r04:	SkipPole_33	781
r05:	Zeuska_32	781
r06:	BigPaolini_32	781
r07:	Fushigi_32 + 1	781
r08:	Gandalf20_32	781
r09:	Promouse_30	781
r10:	Makemake_31	781
r11:	Monet_33	781
r12:	Froghopper_32	781
r13:	Lockey_31	781
r14:	Barriga_31	781
r15:	Smeagol_33	781
r16:	Bigfoot_30	781
r17:	Puppet_31	781
r18:	Paraseleno_30	781
r19:	Hope4ever_31	781
r20:	Target_34	781
r21:	Gachnar_31	781
r22:	PascalRango_32	781
r23:	Kmigrew_29	781
r24:	NoShow_21	781
r25:	Weirdo19_22	781
r26:	StAugustine_34	781
r27:	Causa_36	781
r28:	LimMcDreamy_27	781
r29:	LittleMinkey_35	781
r30:	BirdsNest_33	781
r31:	KayaCho_26	781
r32:	40BC_U26 + 1	781
r33:	Hosp_U24	781
r34:	ForDig_26	781
r35:	Jolie1_U26	781
r36:	Rinkes_33	781
r37:	Hunsized_U4	781
r38:	Hawkeye_32	781
r39:	Manda_27 + 51	781
r40:	Brewer_26 + 12	781
r41:	Command613_27 + 9	781
r42:	Gator_24 + 12	781
r43:	HanKaySha_27 + 32	781
r44:	Phaja_26 + 2	781
r45:	Cjw1_26	781
r46:	Ptowny_26	781
r47:	Pat3_25	781
r48:	Mindy_26 + 5	781
r49:	Budgie_28	781
r50:	BaboJay_25	781

		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t51: BadStone_25		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t52: Harella_25 + 2		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t53: Amao_26		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t54: Thresher_27		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t55: Poltronamos_26		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t56: GoldenSpark_28		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t57: Youngblood_26		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t58: Clank_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t59: Biarby_25		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t60: Wee_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t61: ShiLan_18 + 11		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t62: Aubs_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t63: Rockne_18 + 2		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t64: Saboo_19 + 5		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t65: Karndo_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t66: Flathead_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t67: RitaG_18 + 1		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t68: BlueCrab_18 + 11		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t69: SG4_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t70: MisterCuddies_18 + 1		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t71: Mwpio_18 + 5		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t72: Alexphander_20 + 3		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t73: Zerg_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t74: Madiba_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t75: VRedHorse_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t76: Doug_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t77: FoolsiePop_19 + 2		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t78: Foolsieroll_19 + 1		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t79: Aioen_19 + 3		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t80: Spikelee_19 + 6		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t81: Chuckly_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t82: Cheeseput_20		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t83: Jinglebell_17 + 6		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t84: Coco12_20 + 3		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t85: Drago_19 + 4		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t86: Hades_18 + 2		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t87: Strokeseat_18 + 2		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t88: Dante_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t89: Kersh_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t90: Mova_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t91: Moonbeam_19 + 4		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t92: Mozy_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t93: PaloPoderoso_18 + 3		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t94: DotProduct_18		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t95: Younger_19 + 10		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t96: NewHope4_19 + 3		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t97: MimonDave_19 + 1		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t98: Brushbloom_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t99: Guppsters_19		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706
t200: Ionubest_18 + 1		81		151		238		261	261	327		376		422		496		546		598		628		656		689		706

201: NitzeI_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
202: Raj_18+1	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
203: Peridot_20	63	14	188	63	161	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
204: NirvaI_18+1	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
205: Boomer_19	63	14	188	63	161	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
206: ByChance_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
207: PhesterPhotoI_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
208: Ramsey_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
209: Nimbo_18+5	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
210: XFactor_18+2	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
211: Mwanjwa_18	168	6	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
212: ShroomBoI_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
213: Che8_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
214: SwagPigglet_18+5	63	63	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
215: Job42_21	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
216: Fancypanis_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
217: SuperGrey_19	63	63	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
218: Spanacus_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
219: Simranzi_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
220: Whouxphi_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
221: DLane_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
222: Donkeykong_18	63	63	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
223: LunaBio_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
224: Bobi_20	63	63	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
225: DoRead_18	63	63	188	63	161	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
226: Royals2015_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
227: Bubbles123_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
228: Slap_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
229: Wachhund_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
230: Phaiconet_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
231: Oksu_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
232: Quico_19+2	168	6	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
233: EstaveI_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
234: Mahavrai_18+1	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
235: JanI_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
236: Plumous_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
237: Ovechkin_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
238: Medindi_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
239: Krakatau_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
240: Hegedechwind_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
241: Eish_18	63	63	188	63	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
242: Byougenkin_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
243: Hamulus_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
244: Beanstalk_20	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
245: Sandaphon_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
246: StSI_18	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
247: Grimmer_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
248: Poenanya_18+1	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
249: SassyB_18+1	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680
250: Seagreen_19	168	14	188	149	168	208	228	240	265	560	10	17	132	142	162	14	168	53	127	518	50	503	620	627	634	648	669	680

251: Cornucopia_19 + 1	168	14	148	15	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	689	700
252: Leperchaun_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
253: Eradicator_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
254: Maravista_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
255: Toplain_20	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
256: Empress_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
257: Meissauren88_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
258: Zizzie_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
259: Violac_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
260: Nichirn_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
261: Beakin_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
262: Bipolar_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
263: Emma_18 + 1	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
264: MadMen_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
265: DmTech15_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
266: FreddyB_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
267: Bodeinwohner17_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
268: Fastdio_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
269: DmVicgr1_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
270: Rita_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
271: Ardmore_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
272: Ugopogo_21 + 1	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
273: Mutalorma13_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
274: Shauna1_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
275: Lauretum_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
276: StAnnes_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
277: Frankie_19	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
278: Kenusa5_18	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
279: Zapner_25 + 1	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
280: Avani_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
281: Soul22_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
282: Demiscuipinboyz_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
283: SilverChicken_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
284: Che9d_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
285: Yoshi_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
286: Renaud18_20	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
287: LunaStella_20	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
288: ThetaBob_20	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
289: Cornie_20	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
290: Toron_20	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
291: Cambiare_23	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
292: Avocado_22	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
293: GodSpeed_23	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
294: Pace1224_22 + 1	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
295: Pinnie_23	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
296: Cloudyecho_22	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
297: MOURENEMARYEL	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
298: Mercurio_24	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
299: Lemuria_23	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700
300: Jolie2_22	168	14	148	15	168	208	228	232	265	300	310	412	463	480	500	512	517	519	551	588	604	610	621	634	663	674	685	700

501: YangYin_22	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
502: Antisrabe_22	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
503: Stargaze_32	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
504: Puissant_38	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
505: Oaker_25	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
506: Damien_26 + 3	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
507: Thumbo_26 + 1	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
508: Konstantin_34	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
509: DrGibbs_36	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
510: Barnyard_35	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
511: PaintedDog_20	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
512: Brujita_21 + 1	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
513: NimmNomen_38 + 8	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
514: Constella_33 + 3	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
515: Courthouse_36 + 5	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
516: HokkenD_34 + 12	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
517: LittleE_39	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
518: Miazear_36	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
519: Optimus_37	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
520: Shaboozey_30 + 4	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
521: Wanda_39 + 2	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
522: Duke13_36	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
523: Marieymoo_43	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
524: Minerva_39	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
525: Gonephishing_34	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
526: Nekros_36	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
527: Rearden_33	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
528: Imbault_35	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
529: DmpStrDiver_37	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
530: MarkPhew_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
531: Sulley_27 + 2	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
532: Dunee_27 + 32	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
533: Joy99_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
534: Pritvi_27 + 2	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
535: Adonis_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
536: Zavala_27 + 4	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
537: HedwigODO_27 + 7	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
538: Anaya_28	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
539: Illumine_27 + 2	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
540: Pisa4_26 + 1	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
541: Guanica15_27 + 2	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
542: Geraldin_27 + 1	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
543: LaterM_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
544: DrHayes_27 + 3	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
545: Megsy_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
546: Muruculumu_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
547: YoureAdopted_26 + 2	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
548: CheetoDust_27	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
549: Nibo_26	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689
550: LeWond_26	39	92	143	170	225	252	330	349	380	396	419	441	467	484	504	529	536	575	581	612	633	664	686	689

[illegible]

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 296074 Report

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

Pham number 296074 has 886 members, 101 are drafts.

Phages represented in each track:

- Track 1 : Aeneas_33
- Track 2 : Crispicous1_30, TheloniousMonk_33, DreamCatcher_34, Dreamboat_32, Ashballer_33, Manatee_32, Chanagan_30, Mkhuseli_32, GrecoEtereo_33, Pelly_32, QTRLifeCrisis_31, HarryOW_32, Atkinbua_33, Wheeler_31, Euphoria_31, Ruotula_30, Jasper_32, CartmannCramer_31, DrFeelGood_30, Alvin_32, Homines_31, Niza_33, Watermelon_33
- Track 3 : Ringer_31
- Track 4 : Museum_33, Whitspit_32, Seabiscuit_33, Petp2012_33, Burton_32
- Track 5 : Lesedi_30
- Track 6 : GageAP_33, Topgun_31
- Track 7 : Marchy_30, PhineBark_30, Payneful_31, Levia_31
- Track 8 : Kugel_32
- Track 9 : BarrowTuph_30
- Track 10 : Ichabod_32, Bigchungji_31
- Track 11 : Norz_33, PhrostyMug_31, Bethlehem_31, BillKnuckles_32, Jerm2_32, Oogway_30, Kanely_32, PinkPlastic_30, Rohr_32, HermioneGrange_31, Altman_33, Rhynn_31, McSinger_32, Mule_31
- Track 12 : Tasp14_32
- Track 13 : Alsfo_35
- Track 14 : KikiBouba_33, DirtDevil_33, Noxious_33, GroundGoblin_33, Aldrich_33, Hermia_34, CatBus_33
- Track 15 : Kykar_31, Teodoridan_29
- Track 16 : Inyanga_30, Iqorha_30
- Track 17 : Arcanine_32, TwoPeat_32, Anglerfish_32, NEHalo_31
- Track 18 : EnzoK_32
- Track 19 : HanShotFirst_31, Cueylyss_31, Dynamix_32
- Track 20 : Sandaddy_30, Big3_31, Sorpresa_31
- Track 21 : Violet_30
- Track 22 : Michley_31
- Track 23 : Paphu_30, JC27_33, Bob3_30, Marcell_31, LilBib_32, Licorice_33, StrongArm_30, Naira_32, Marsha_31, Switzer_32, Carlyle_33, MPlant7149_30
- Track 24 : KBG_32
- Track 25 : DD5_32
- Track 26 : RidgeCB_31, Bones_31, JackSparrow_32, McGuire_32, Tripl3t_32, Briton15_33, Rutherford_33, Mryolo_30, Edtherson_32, Wilkins_31, Treddle_33
- Track 27 : Adahisdi_32
- Track 28 : ChristmasHams_32

- Track 29 : Doom_32
- Track 30 : PacerPaul_31, Francis47_31, Agaliana_32
- Track 31 : Traft412_33
- Track 32 : Ciao_31
- Track 33 : Abrogate_320, Rufus_32
- Track 34 : GMonster_30
- Track 35 : Pari_32
- Track 36 : ShortQueendom_30
- Track 37 : Maroc7_30
- Track 38 : BaconJack_34, PattyP_33
- Track 39 : Pinto_34
- Track 40 : Bxb1_29
- Track 41 : Arlo_30, Sagefire_32, Snazzy_30
- Track 42 : MilleFeuille_28
- Track 43 : Ajay_32, Bircsak_31, Gompeii16_31
- Track 44 : KyMonks1A_33, Pita2_33, PSullivan_33
- Track 45 : JuliaChild_33, Swole_33, Tote_33, Molly_32
- Track 46 : Turj99_30, Magnito_30
- Track 47 : Fajezeel_33, Greg_33, Acme_33
- Track 48 : Sanya_30
- Track 49 : A6_29, BK1_29
- Track 50 : BigMau_33
- Track 51 : Raid_31
- Track 52 : STLscum_32
- Track 53 : Zeeculate_31
- Track 54 : IgnatiusPatJac_31, BluSpix_32
- Track 55 : Eyeball_31
- Track 56 : Abbyshoes_32, Kenmech_34
- Track 57 : Nhonho_31
- Track 58 : Blessor_31
- Track 59 : KSSJEB_31
- Track 60 : Forsytheast_31, SwissCheese_33, Moose_31
- Track 61 : Buttons_33
- Track 62 : SarFire_31, Smairt_32, Thor_31
- Track 63 : Applejack_31
- Track 64 : ConceptII_33, Sibs6_33, AFIS_31
- Track 65 : Lopton_32
- Track 66 : U2_31
- Track 67 : Espresso_31
- Track 68 : LunarLander_32
- Track 69 : Nerujay_32, PherrisBueller_32
- Track 70 : Lamina13_31, Rubeus_32
- Track 71 : Dexes_32
- Track 72 : Blackflame_31
- Track 73 : Dulcie_30
- Track 74 : Ohno789_31
- Track 75 : Sumter_30, MrGordo_31, Papez_33, Blue_31, Zephyr_31
- Track 76 : Dussy_32
- Track 77 : Peterson_34
- Track 78 : Fenn_32, Trouble_32
- Track 79 : Parliament_30
- Track 80 : Squee_32
- Track 81 : Perseus_33

- Track 82 : Phlippers_30, Graduation_33, Beatrix_31
- Track 83 : Magnar_31
- Track 84 : Fascinus_30
- Track 85 : Jorgensen_31
- Track 86 : CactusRose_30
- Track 87 : MetalQZJ_31, Corvo_32, MaryBeth_31
- Track 88 : SpikeBT_33
- Track 89 : Petruchio_32
- Track 90 : StewieG_30
- Track 91 : Pepe_32
- Track 92 : PowerRanger_33
- Track 93 : Slagathor_32
- Track 94 : Gwendoluna_33
- Track 95 : lLeeKay_33
- Track 96 : Marco3_31, Marge_32
- Track 97 : BeesKnees_32
- Track 98 : Bruns_30
- Track 99 : Gyzlar_33, Solon_31
- Track 100 : Sunshine924_32
- Track 101 : BPBiebs31_32
- Track 102 : Pippin_33
- Track 103 : Hami1_33
- Track 104 : SkiPole_33
- Track 105 : Zeuska_32
- Track 106 : BigPaolini_32
- Track 107 : Fushigi_32, Seanderson_32
- Track 108 : Gandalf20_32
- Track 109 : ProMouse_30
- Track 110 : Makemake_31
- Track 111 : Monet_33
- Track 112 : Froghopper_32
- Track 113 : Lockley_31
- Track 114 : Barriga_31
- Track 115 : Smeagol_33
- Track 116 : Bigfoot_30
- Track 117 : Puppet_31
- Track 118 : Paraselene_30
- Track 119 : Hope4ever_31
- Track 120 : Target_34
- Track 121 : Gachnar_31
- Track 122 : PascalRango_32
- Track 123 : Killigrew_29
- Track 124 : NoShow_21
- Track 125 : WeirDo19_22
- Track 126 : StAugustine_34
- Track 127 : Causa_36
- Track 128 : LilMcDreamy_27
- Track 129 : LittleMinkey_35
- Track 130 : BirdsNest_33
- Track 131 : KayaCho_26
- Track 132 : 40BC_026, 39HC_026
- Track 133 : Hosp_024
- Track 134 : ForDig_26

- Track 135 : Jolie1_026
- Track 136 : Rinkes_33
- Track 137 : Funsized_34
- Track 138 : Hawkeye_32
- Track 139 : Manda_27, Terminus_26, Goldilocks_27, Murphy_27, Gemini_29, Gage_28, ShereKhan_28, Willez_25, TeamEdward_26, Holt_27, Thimble_26, Porky_26, Teaspoon_27, Buck_25, Miniwave_26, PhatBacter_26, Cookies_26, Pharsalus_27, Inca_25, Filch_27, Tarkin_28, NonchalantPear_26, Palpatine_26, HufflyPuff_25, Petra64142_28, FireRed_26, Phaux_25, StellaBean_26, TBrady12_28, AmericanBeauty_28, MPhalcon_25, Misfit_26, Paperbeatsrock_28, Bogg_26, Nala_26, Argent26_28, MISSy_25, Nimrod_26, Highbury_27, Becksu_26, SophKB_26, GooberAzure_28, StormChicken_26, Kanye_28, Murica_25, BugsBunny_24, Saints25_27, Kimchi_28, Stank_29, Qualification_27, Easy2Say_28, Sassay_25
- Track 140 : Brewer_26, YassJohnny_27, Greep_27, Contagion_25, Mosby_25, MollyToe_26, Tomaszewski_25, BigBubba_27, Bruin_26, ChotaBhai_26, xkcd_27, Rimmer_25, FoghornLeghorn_25
- Track 141 : Command613_27, Marshmallow_26, Icee_25, Bask21_26, Sotrice96_26, Kostya_26, CrystalP_26, BilboSwaggins_26, Cactus_27, SirDuracell_25
- Track 142 : Gator_24, Dusk_25, Rakim_27, Myrale_26, ABCat_25, Asriel_25, Barbarian_25, Goku_26, Balomoji_25, Tuco_27, Traaww1_24, TeardropMSU_25, Eureka_26
- Track 143 : HanKaySha_27, Phrux_26, Xandras_28, Wiggin_29, Adnama_29, Lilizi_28, Moldemort_27, Czyszczonek_27, RiverMonster_26, Hoonter_28, Bench_28, ChosenOne_25, DoctorDiddles_26, DrDrey_27, Simpliphy_27, Lilpickle_25, Lilac_28, PaddyBaddy_27, Pumpkin_28, MadamMonkfish_26, NoSleep_27, Dumbo_26, Ukulele_26, OrionPax_27, Elite2014_25, Stark_27, Elph10_27, Maxxinista_27, JeTaime_28, Hopey_28, 244_28, StolenFromERC_28, Emmina_27
- Track 144 : Phaja_26, IHOP_26, FairyPath_26
- Track 145 : Cjw1_26
- Track 146 : Ptowny_26
- Track 147 : Pat3_25
- Track 148 : Mindy_26, Henry_26, NelitzaMV_26, Daikon_24, ShamWow_26, Toto_26
- Track 149 : Budgie_28
- Track 150 : BaboJay_25
- Track 151 : BadStone_25
- Track 152 : Harella_25, Flypotenuse_24, Glexan_24
- Track 153 : Amao_26
- Track 154 : Thresher_27
- Track 155 : Policronamos_26
- Track 156 : GoldenSpark_28
- Track 157 : Youngblood_26
- Track 158 : Clank_18
- Track 159 : Blarby_25
- Track 160 : Wee_19
- Track 161 : ShiLan_18, Gandolph_18, Spoonbill_18, Burwell21_18, OlympiaSaint_18, NormanBulbieJr_18, ShowerHandel_18, Priscilla_18, Yorick_18, Martik_18, Jarcob_18, Cabrinians_18
- Track 162 : Aubs_18
- Track 163 : Rockne_18, PMC_18, Llij_18

- Track 164 : Sabbh_19, Mattes_18, BobaPhett_18, Gorge_18, James_18, LilMoolah_18
- Track 165 : Karhdo_18
- Track 166 : Flathead_19
- Track 167 : RitaG_18, Lucia_19
- Track 168 : BlueCrab_18, Pacc40_18, Daenerys_18, PHappiness_18, Dorothy_18, KingMidas_19, JoeyJr_18, OldBen_18, Polka14_19, DaddyRickover_18, IbOuu_18, Scottish_19
- Track 169 : SG4_18
- Track 170 : MisterCuddles_18, GUmbe_18, Girr_18, Veteran_18, Phasih_19, Ruby_18
- Track 171 : IMpilo_18, Firehouse51_19, Minnie_19, Leozinho_19, MilleniumForce_19, Whatsapiecost_18
- Track 172 : Alexphander_20, Chevrolet_18, ArcusAngelus_18, DaWorst_20
- Track 173 : Zerg_18
- Track 174 : Madiba_19
- Track 175 : VRedHorse_18
- Track 176 : Doug_19
- Track 177 : TootsiePop_19, Awesomesauce_19, Misha28_19
- Track 178 : Tootsieroll_19, Radiance_18
- Track 179 : Aloeri_19, ChickenDinner_19, DocMcStuffins_19, Piper2020_19
- Track 180 : Spikelee_19, RedBird_18, BuzzLyseyear_20, WillSterrel_19, RockyHorror_19, IrishSherpFalk_19, Mantra_18
- Track 181 : Chuckly_18
- Track 182 : Cheesepuff_20
- Track 183 : Jinglebell_17, Llama_18, Modragons_18, AlpineSix_18, OfUltron_18, Seabastian_18, Ochi17_18
- Track 184 : Coco12_20, Brookers_19, Phanphagia_18, Kingsley_19
- Track 185 : Drago_19, UncleRicky_19, Phatniss_19, Enby_19, Lorde_19
- Track 186 : Hades_18, OwlsT2W_20, DosHalletts_19
- Track 187 : Strokeseat_18, Hlubikazi_18, Mandlovu_18
- Track 188 : Dante_18
- Track 189 : Kersh_19
- Track 190 : Mova_19
- Track 191 : Moonbeam_19, Juice456_20, QuickMath_19, MulchExplorer_20, Kimberlium_20
- Track 192 : Mozy_19
- Track 193 : PatoPoderoso_18, Doomslug_20, EleanorGeorge_18, KristaRAM_19, Batiatus_18, KingJulian_18, Corium_18, Fruitloop_18, JalFarm20_20
- Track 194 : DotProduct_18
- Track 195 : Totinger_19, Emmaloid_19, Vivum_18, Tchotchke_19, Slim_19, EmiMonkey_18, Starceвич_19, GigiOuiOui_18, PhilipPhlop_18, LittleShirley_19, Rialto_20
- Track 196 : NewHope4_19, Polo2Bam_20, Enzomatic_20, SeaLumen_19
- Track 197 : MinionDave_19, CaptainTrips_19
- Track 198 : Brushbloom_19
- Track 199 : Guppsters_19
- Track 200 : Ibhubesi_18, Harley_18
- Track 201 : Nitzel_19
- Track 202 : Taj_18, DeadP_18
- Track 203 : Peridot_20
- Track 204 : Nivrat_18, Lizziana_18
- Track 205 : Boomer_19

- Track 206 : ByChance_18
- Track 207 : PhesterPhotato_18
- Track 208 : Ramsey_19
- Track 209 : Nimbo_18, Blexus_18, Geralt_18, Inventum_18, Deb65_18, Sassafras_18
- Track 210 : XFactor_18, Galactic_18, Filuzino_18
- Track 211 : Mwanjiwa_18
- Track 212 : ShroomBoi_18
- Track 213 : Che8_18
- Track 214 : SwagPigglett_18, Philus_18, DRBy19_18, Saal_18, Sparkdehlily_18, TDanisky_18
- Track 215 : Job42_21
- Track 216 : Fancypants_18
- Track 217 : SuperGrey_19
- Track 218 : Spartacus_19
- Track 219 : SimranZ1_19
- Track 220 : Whouxphf_18
- Track 221 : DLane_18
- Track 222 : Donkeykong_18
- Track 223 : LunaBlu_19
- Track 224 : Bobi_20
- Track 225 : DoRead_18
- Track 226 : Royals2015_18
- Track 227 : Bubbles123_19
- Track 228 : Stap_19
- Track 229 : Wachhund_18
- Track 230 : Phalconet_18
- Track 231 : Oksu_19
- Track 232 : Quico_19, Girafales_19, Florinda_18
- Track 233 : Estave1_18
- Track 234 : Mahavrat_18, Juniper1_18
- Track 235 : Jant_18
- Track 236 : Plumbus_19
- Track 237 : Ovechkin_18
- Track 238 : Medindi_18
- Track 239 : Krakatau_19
- Track 240 : Hegedechwinu_19
- Track 241 : Eish_18
- Track 242 : Byougenkin_18
- Track 243 : Hamulus_18
- Track 244 : Beanstalk_20
- Track 245 : Sandalphon_19
- Track 246 : SiSi_18
- Track 247 : Grimmer_19
- Track 248 : Poenanya_18, Doomphist_18
- Track 249 : SassyB_18, PopTart_18
- Track 250 : Seagreen_19
- Track 251 : Cornucopia_19, Marker_19
- Track 252 : Leperchaun_18
- Track 253 : Eradicator_18
- Track 254 : Maravista_18
- Track 255 : Topiatin_20
- Track 256 : Empress_19

- Track 257 : Melissauren88_18
- Track 258 : Zizzle_18
- Track 259 : Violac_19
- Track 260 : Nichirin_18
- Track 261 : Beakin_19
- Track 262 : Bipolar_18
- Track 263 : Emma_18, Tweety_18
- Track 264 : MadMen_19
- Track 265 : DillTech15_18
- Track 266 : FreddyB_18
- Track 267 : BodEinwohner17_18
- Track 268 : Fastidio_18
- Track 269 : DirtMcgirt_19
- Track 270 : Rita_18
- Track 271 : Ardmore_18
- Track 272 : Ogopogo_21, Pollywog_21
- Track 273 : Mutaforma13_18
- Track 274 : Shauna1_18
- Track 275 : Latretium_19
- Track 276 : StAnnes_18
- Track 277 : Frankie_19
- Track 278 : Kenuha5_18
- Track 279 : Zapner_25, Jabbawokkie_26
- Track 280 : Avani_24
- Track 281 : Soul22_24
- Track 282 : Demsculpinboyz_24
- Track 283 : SilverChicken_24
- Track 284 : Che9d_24
- Track 285 : Yoshi_24
- Track 286 : Renaud18_20
- Track 287 : LunaStella_20
- Track 288 : ThetaBob_20
- Track 289 : Cornie_20
- Track 290 : Toron_20
- Track 291 : Cambiare_23
- Track 292 : Avocado_22
- Track 293 : GodSpeed_23
- Track 294 : Pace1224_22, FlagStaff_22
- Track 295 : Pinnie_23
- Track 296 : Cloudyecho_22
- Track 297 : MOOREtheMARYer_23
- Track 298 : Mercurio_24
- Track 299 : Lemuria_23
- Track 300 : Jolie2_22
- Track 301 : YangYin_22
- Track 302 : Antsirabe_22
- Track 303 : Stargaze_22
- Track 304 : Puissant_28
- Track 305 : Oaker_29
- Track 306 : Damien_29, Cborch11_30, Beckerton_29, Megatron06_31
- Track 307 : Thumb_29, BobtimousPrime_28
- Track 308 : Konstantine_34, Phreeze_29
- Track 309 : DrLupo_38

- Track 310 : Barnyard_36
- Track 311 : PaintedDog_20
- Track 312 : Brujita_21, Island3_21
- Track 313 : NihilNomen_38, Pound_40, Yeet_37, Odette_38, Ejimix_39, Bombitas_35, Dove_36, Hughesyang_37, Schatzie_36
- Track 314 : Constella_33, Bobby_40, Hidrated_41, Xiaokay_36
- Track 315 : Courthouse_36, Lucky2013_36, Squint_35, Ariel_36, Porcelain_35, Superphikiman_36
- Track 316 : HøkkenD_34, Bagrid_38, Dallas_40, Kalah2_39, Zelink_40, ThreeRngTarjay_37, Phoebus_38, Redno2_37, Halley_39, JuicyJay_41, EricMillard_39, Klein_39, Beem_39
- Track 317 : LittleE_39
- Track 318 : MiaZeal_36
- Track 319 : Optimus_37
- Track 320 : Shaboozey_30, Hannaconda_33, KashFlow_30, BronnyJames_30, Nibley_31
- Track 321 : Wanda_39, BAKA_36, Omega_38
- Track 322 : Duke13_36
- Track 323 : Marleymoos_43
- Track 324 : Minerva_39
- Track 325 : Gonephishing_34
- Track 326 : Nekros_36
- Track 327 : Rearden_33
- Track 328 : Thibault_35
- Track 329 : DmpstrDiver_37
- Track 330 : MarkPheW_27
- Track 331 : Sulley_27, Angelica_27, Deby_27
- Track 332 : Durfee_27, Dalmuri_27, Inky_27, Asayake_27, Jeckyll_27, Capricorn_27, BGlluviae_27, CallaLilly_27, Pokerus_26, Ramen_27, Boiii_27, Belladonna_27, Peel_27, Padfoot_27, AlishaPH_27, Twitch_27, CaseJules_27, Llorens_27, Piatt_27, BaghaKamala_27, JAWS_27, BEEST_27, Hyperbowlee_27, Jarvi_27, Spock_27, BarrelRoll_27, Topper_27, CREW_27, Blizzard_27, Homura_27, Rosmarinus_27, ShiaSurprise_27, Lunahalos_27
- Track 333 : Joy99_27
- Track 334 : Prithvi_27, TreyKay_27, LindNT_27
- Track 335 : Adonis_27
- Track 336 : Zavala_27, TruffulaTree_27, Emerson_27, Mynx_27, Padpat_27
- Track 337 : HedwigODU_27, Veliki_27, Zabiza_27, Rapunzel97_27, Jayhawk_27, Adephagia_27, Slimphazie_27, ActinUp_27
- Track 338 : Anaya_28
- Track 339 : Illumine_27, Devera_27, Dole_27
- Track 340 : Pisa4_26, Pisa1_26
- Track 341 : Guanica15_27, Yunkel11_27, Efra2_27
- Track 342 : Geraldini_27, MeaningOfLife_27
- Track 343 : LaterM_27
- Track 344 : DrHayes_27, Anma_27, Urkel_27, SamuelLPlaqson_27
- Track 345 : Megsy_27
- Track 346 : Murucutumbu_27
- Track 347 : YoureAdopted_26, Tachez_27, Atiba_27
- Track 348 : CheetoDust_27
- Track 349 : Nibb_26
- Track 350 : LeMond_26
- Track 351 : MacKat_27, Clipper_27

- Track 352 : Ganymede_28, QuincyRose_26
- Track 353 : Stinson_28
- Track 354 : Apocalypse_27
- Track 355 : Bella96_27, DartGoblin_27
- Track 356 : TaiwanKao_28
- Track 357 : Beezoo_27
- Track 358 : TiniBug_27
- Track 359 : CrimD_27
- Track 360 : Bern_27
- Track 361 : Tiri_27
- Track 362 : Chris_26
- Track 363 : Oscar_26
- Track 364 : KiSi_26
- Track 365 : Ageofdapage_27
- Track 366 : Scarlett_26
- Track 367 : Marshawn_28
- Track 368 : SirPhilip_26
- Track 369 : Aminay_25
- Track 370 : Boilgate_24
- Track 371 : Vagabond_58, Krili_57, Idergollasper_58, YoyoKar_56, Mori_58, FoulBall_58, Wogge42_57, Alkhayr_58, NiebruSaylor_57, JangDynasty_58, Schuy_59, Familton_59, Winget_59, TelAviv_55, Catdawg_58, MadKillah_59, Blessica_59, KingPhillip3_57, Zebo_58, SchoolBus_58, Vorrps_58, Imara_56
- Track 372 : YungJamal_63, Wildflower_58, Corndog_61, Dylan_58, Murai_59, Ashwin_60, Shida_58, Zakhe101_58
- Track 373 : Ryadel_62
- Track 374 : Smooch_61, Firecracker_59
- Track 375 : Bora_56
- Track 376 : Shipwreck_20, Bogie_20
- Track 377 : Pygmy_20
- Track 378 : NovoPizza_23
- Track 379 : MaryV_43, Wildcat_43
- Track 380 : Cosmo_43
- Track 381 : Azrael100_42
- Track 382 : EniyanLRS_40
- Track 383 : Gaia_21
- Track 384 : Nebkiss_22
- Track 385 : Kumao_30
- Track 386 : MooMoo_18

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

The start number called the most often in the published annotations is 45, it was called in 236 of the 785 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alexphander_20, Aloeri_19, AlpineSix_18, ArcusAngelus_18, Ardmore_18, Ariel_36, Aubs_18, Awesomesauce_19, BAKA_36, Batiatus_18, Beakin_19, Beanstalk_20, Bipolar_18, Blexus_18, BlueCrab_18, BobaPhett_18, Bobi_20, BodEinwohner17_18, Boomer_19, BronnyJames_30, Brookers_19, Brushbloom_19, Bubbles123_19,

Burwell21_18, BuzzLyseyear_20, ByChance_18, Byougenkin_18, Cabrinians_18, CaptainTrips_19, Che8_18, Cheesepuff_20, Chevrolet_18, ChickenDinner_19, Chuckly_18, Clank_18, Coco12_20, Corium_18, Cornucopia_19, Courthouse_36, DLane_18, DRBy19_18, DaWorst_20, DaddyRickover_18, Daenerys_18, Dante_18, DeadP_18, Deb65_18, DillTech15_18, DirtMcgirt_19, DmpstrDiver_37, DoRead_18, DocMcStuffins_19, Donkeykong_18, Doomphist_18, Doomsbug_20, Dorothy_18, DosHalletts_19, DotProduct_18, Doug_19, Drago_19, Duke13_36, Eish_18, EleanorGeorge_18, EmiMonkey_18, Emma_18, Emmaloid_19, Empress_19, Enby_19, Enzomatic_20, Eradicator_18, Estave1_18, Fancypants_18, Fastidio_18, Filuzino_18, Firehouse51_19, Flathead_19, Florinda_18, Frankie_19, FreddyB_18, Fruitloop_18, GUmbie_18, Galactic_18, Gandolph_18, Geralt_18, GigiOuiOui_18, Girafales_19, Girr_18, Gorge_18, Grimmer_19, Guppsters_19, Hades_18, Hamulus_18, Hannaconda_33, Harley_18, Hegedechwinu_19, Hlubikazi_18, IMpilo_18, IbOuu_18, Ibhubesi_18, Inventum_18, IrishSherpFalk_19, JalFarm20_20, James_18, Jant_18, Jarcob_18, Jinglebell_17, Job42_21, JoeyJr_18, Juice456_20, Juniper1_18, Karhdo_18, KashFlow_30, Kenuha5_18, Kersh_19, Kimberlium_20, KingJulian_18, KingMidas_19, Kingsley_19, Krakatau_19, KristaRAM_19, Latretium_19, Leozinho_19, Leperchaun_18, LilMoolah_18, LittleE_39, LittleShirley_19, Lizziana_18, Llama_18, Llij_18, Lorde_19, Lucia_19, Lucky2013_36, LunaBlu_19, MadMen_19, Madiba_19, Mahavrat_18, Mandlovu_18, Mantra_18, Maravista_18, Marker_19, Martik_18, Mattes_18, Medindi_18, MiaZeal_36, MilleniumForce_19, Minerva_39, MinionDave_19, Minnie_19, Misha28_19, MisterCuddles_18, Modragons_18, MooMoo_18, Moonbeam_19, Mova_19, Mozy_19, MulchExplorer_20, Mutaforma13_18, Mwanjiwa_18, NewHope4_19, Nibley_31, Nichirin_18, Nimbo_18, Nitzel_19, Nivrat_18, NormanBulbieJr_18, Ochi17_18, OfUltron_18, Ogopogo_21, Oksu_19, OldBen_18, OlympiaSaint_18, Omega_38, Optimus_37, Ovechkin_18, OwlsT2W_20, PHappiness_18, PMC_18, Pacc40_18, PatoPoderoso_18, Peridot_20, Phalconet_18, Phanphagia_18, Phasih_19, Phatniss_19, PhesterPhotato_18, Philus_18, PhilipPhlop_18, Piper2020_19, Plumbus_19, Poenanya_18, Polka14_19, Pollywog_21, Polo2Bam_20, PopTart_18, Porcelain_35, Priscilla_18, QuickMath_19, Quico_19, Radiance_18, Ramsey_19, RedBird_18, Rialto_20, RitaG_18, Rita_18, Rockne_18, RockyHorror_19, Royals2015_18, Ruby_18, SG4_18, Saal_18, Sabbb_19, Sandalphon_19, Sassafras_18, SassyB_18, Scottish_19, SeaLumen_19, Seabastian_18, Seagreen_19, Shaboozey_30, Shauna1_18, ShiLan_18, ShowerHandel_18, ShroomBoi_18, SiSi_18, SimranZ1_19, Slim_19, Sparkdehlily_18, Spartacus_19, Spikelee_19, Spoonbill_18, Squint_35, StAnnes_18, Stap_19, Starcevich_19, Strokeseat_18, SuperGrey_19, Superphikiman_36, SwagPigglett_18, TDanisky_18, Taj_18, Tchotchke_19, TootsiePop_19, Tootsieroll_19, Topiatin_20, Totinger_19, Tweety_18, UncleRicky_19, VRedHorse_18, Veteran_18, Violac_19, Vivum_18, Wachhund_18, Wanda_39, Wee_19, Whatsapiecost_18, Whouxphf_18, WillSterrel_19, XFactor_18, Yorick_18, Zerg_18, Zizzle_18,

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

- Avani_24, Che9d_24, Demsculpinboyz_24, Gonephishing_34, Jabbawokkie_26, Melissauren88_18, Soul22_24, Yoshi_24, Zapner_25,

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

- 244_28, 39HC_026, 40BC_026, A6_29, ABCat_25, AFIS_31, Abbyshoes_32, Abrogate_320, Acme_33, ActinUp_27, Adahisdi_32, Adephagia_27, Adnama_29, Adonis_27, Aeneas_33, Agaliana_32, Ageofdapage_27, Ajay_32, Aldrich_33, AlishaPH_27, Alkhayr_58, Alsfro_35, Altman_33, Alvin_32, Amao_26,

AmericanBeauty_28, Aminay_25, Anaya_28, Angelica_27, Anglerfish_32, Anma_27, Antsirabe_22, Apocalypse_27, Applejack_31, Arcanine_32, Argent26_28, Arlo_30, Asayake_27, Ashballer_33, Ashwin_60, Asriel_25, Atiba_27, Atkinbua_33, Avocado_22, Azrael100_42, BEEST_27, BGlluviae_27, BK1_29, BPBiEbs31_32, BaboJay_25, BaconJack_34, BadStone_25, BaghaKamala_27, Bagrid_38, Balomoji_25, Barbarian_25, Barnyard_36, BarrelRoll_27, Barriga_31, BarrowTuph_30, Bask21_26, Beatrix_31, Beckerton_29, Becksu_26, Beem_39, BeesKnees_32, Beezoo_27, Bella96_27, Belladonna_27, Bench_28, Bern_27, Bethlehem_31, Big3_31, BigBubba_27, BigMau_33, BigPaolini_32, Bigchungi_31, Bigfoot_30, BilboSwaggins_26, BillKnuckles_32, Bircsak_31, BirdsNest_33, Blackflame_31, Blarby_25, Blesser_31, Blessica_59, Blizzard_27, BluSpix_32, Blue_31, Bob3_30, Bobby_40, BobtimousPrime_28, Bogg_26, Bogie_20, Boiii_27, Boilgate_24, Bombitas_35, Bones_31, Bora_56, Brewer_26, Briton15_33, Bruin_26, Brujita_21, Bruns_30, Buck_25, Budgie_28, BugsBunny_24, Burton_32, Buttons_33, Bxb1_29, CREW_27, CactusRose_30, Cactus_27, CallaLilly_27, Cambiare_23, Capricorn_27, Carlyle_33, CartmannCramer_31, CaseJules_27, CatBus_33, Catdawg_58, Causa_36, Cborch11_30, Chanagan_30, CheetoDust_27, ChosenOne_25, ChotaBhai_26, Chris_26, ChristmasHams_32, Ciao_31, Cjw1_26, Clipper_27, Cloudyecho_22, Command613_27, ConceptII_33, Constella_33, Contagion_25, Cookies_26, Corndog_61, Cornie_20, Corvo_32, Cosmo_43, CrimD_27, Crispicous1_30, CrystalP_26, Cueylyss_31, Czyszczo1_27, DD5_32, Daikon_24, Dallas_40, Dalmuri_27, Damien_29, DartGoblin_27, Deby_27, Devera_27, Dexes_32, DirtDevil_33, DoctorDiddles_26, Dole_27, Doom_32, Dove_36, DrDrey_27, DrFeelGood_30, DrHayes_27, DrLupo_38, DreamCatcher_34, Dreamboat_32, Dulcie_30, Dumbo_26, Durfee_27, Dusk_25, Dussy_32, Dylan_58, Dynamix_32, Easy2Say_28, Edtherson_32, Efra2_27, Ejimix_39, Elite2014_25, Elph10_27, Emerson_27, Emmina_27, EniyanLRS_40, EnzoK_32, EricMillard_39, Espresso_31, Euphoria_31, Eureka_26, Eyeball_31, FairyPath_26, Fajezeel_33, Familton_59, Fascinus_30, Fenn_32, Filch_27, FireRed_26, Firecracker_59, FlagStaff_22, Flypotenuse_24, FoghornLeghorn_25, ForDig_26, Forsytheast_31, FoulBall_58, Francis47_31, Froghopper_32, Funsized_34, Fushigi_32, GMonster_30, Gachnar_31, GageAP_33, Gage_28, Gaia_21, Gandalf20_32, Ganymede_28, Gator_24, Gemini_29, Geraldini_27, Glexan_24, GodSpeed_23, Goku_26, GoldenSpark_28, Goldilocks_27, Gompeii16_31, GooberAzure_28, Graduation_33, GrecoEtereo_33, Greep_27, Greg_33, GroundGoblin_33, Guanica15_27, Gwendoluna_33, Gyzlar_33, Halley_39, Hami1_33, HanKaySha_27, HanShotFirst_31, Harella_25, HarryOW_32, Hawkeye_32, HedwigODU_27, Henry_26, Hermia_34, HermioneGrange_31, Hidrated_41, Highbury_27, HokkenD_34, Holt_27, Homines_31, Homura_27, Hoonter_28, Hope4ever_31, Hopey_28, Hosp_024, HufflyPuff_25, Hughesyang_37, Hyperbowlee_27, IHOP_26, ILeekay_33, Icee_25, Ichabod_32, Idergollasper_58, IgnatiusPatJac_31, Illumine_27, Imara_56, Inca_25, Inky_27, Inyanga_30, Iqorha_30, Island3_21, JAWS_27, JC27_33, JackSparrow_32, JangDynasty_58, Jarvi_27, Jasper_32, Jayhawk_27, JeTaime_28, Jeckyll_27, Jerm2_32, Jolie1_026, Jolie2_22, Jorgensen_31, Joy99_27, JuicyJay_41, JuliaChild_33, KBG_32, KSSJEB_31, Kalah2_39, Kanely_32, Kanye_28, KayaCho_26, Kenmech_34, KiSi_26, KikiBouba_33, Killigrew_29, Kimchi_28, KingPhillip3_57, Klein_39, Konstantine_34, Kostya_26, Krili_57, Kugel_32, Kumao_30, KyMonks1A_33, Kykar_31, Lamina13_31, LaterM_27, LeMond_26, Lemuria_23, Lesedi_30, Levia_31, Licorice_33, LilBib_32, LilMcDreamy_27, Lilac_28, Lilizi_28, Lilpickle_25, LindNT_27, LittleMinkey_35, Llorens_27, Lockley_31, Lopton_32, LunaStella_20, Lunahalos_27, LunarLander_32, MISSy_25, MOOREtheMARYer_23, MPhalcon_25, MPlant7149_30, MacKat_27, MadKillah_59, MadamMonkfish_26, Magnar_31, Magnito_30, Makemake_31,

Manatee_32, Manda_27, Marcell_31, Marchy_30, Marco3_31, Marge_32,
 MarkPhew_27, Marleymoo_43, Maroc7_30, Marsha_31, Marshawn_28,
 Marshmallow_26, MaryBeth_31, MaryV_43, Maxxinista_27, McGuire_32,
 McSinger_32, MeaningOfLife_27, Megatron06_31, Megsy_27, Mercurio_24,
 MetalQZJ_31, Michley_31, MilleFeuille_28, Mindy_26, Miniwave_26, Misfit_26,
 Mkhusele_32, Moldemort_27, MollyToe_26, Molly_32, Monet_33, Moose_31,
 Mori_58, Mosby_25, MrGordo_31, Mryolo_30, Mule_31, Murai_59, Murica_25,
 Murphy_27, Murucutumbu_27, Museum_33, Mynx_27, Myrale_26, NEHalo_31,
 Naira_32, Nala_26, Nebkiss_22, Nekros_36, NelitzaMV_26, Nerujay_32, Nhonho_31,
 Nibb_26, NiebruSaylor_57, NihilNomen_38, Nimrod_26, Niza_33, NoShow_21,
 NoSleep_27, NonchalantPear_26, Norz_33, NovoPizza_23, Noxious_33, Oaker_29,
 Odette_38, Ohno789_31, Oogway_30, OrionPax_27, Oscar_26, PSullivan_33,
 Pace1224_22, PacerPaul_31, PaddyBaddy_27, Padfoot_27, Padpat_27,
 PaintedDog_20, Palpatine_26, Paperbeatsrock_28, Papez_33, Paphu_30,
 Paraselene_30, Pari_32, Parliament_30, PascalRango_32, Pat3_25, PattyP_33,
 Payneful_31, Peel_27, Pelly_32, Pepe_32, Perseus_33, Peterson_34, Petp2012_33,
 Petra64142_28, Petruchio_32, Phaja_26, Pharsalus_27, PhatBacter_26, Phaux_25,
 PherrisBueller_32, PhineBark_30, Philipppers_30, Phoebus_38, Phreeze_29,
 PhrostyMug_31, Phrux_26, Piatt_27, PinkPlastic_30, Pinnie_23, Pinto_34, Pippin_33,
 Pisa1_26, Pisa4_26, Pita2_33, Pokerus_26, Policronamos_26, Porky_26, Pound_40,
 PowerRanger_33, Prithvi_27, ProMouse_30, Ptowny_26, Puissant_28, Pumpkin_28,
 Puppet_31, Pygmy_20, QTRlifeCrisis_31, Qualification_27, QuincyRose_26,
 Raid_31, Rakim_27, Ramen_27, Rapunzel97_27, Rearden_33, Redno2_37,
 Renaud18_20, Rhynn_31, RidgeCB_31, Rimmer_25, Ringer_31, Rinkes_33,
 RiverMonster_26, Rohr_32, Rosmarinus_27, Rubeus_32, Rufus_32, Ruotula_30,
 Rutherford_33, Ryadel_62, STLscum_32, Sagefire_32, Saints25_27,
 SamuelLPlaqueson_27, Sandaddy_30, Sanya_30, SarFire_31, Sassay_25, Scarlett_26,
 Schatzie_36, SchoolBus_58, Schuy_59, Seabiscuit_33, Seanderson_32,
 ShamWow_26, ShereKhan_28, ShiaSurprise_27, Shida_58, Shipwreck_20,
 ShortQueendom_30, Sibs6_33, SilverChicken_24, Simpliphy_27, SirDuracell_25,
 SirPhilip_26, SkiPole_33, Slagathor_32, Slimphazie_27, Smairt_32, Smeagol_33,
 Smooch_61, Snazzy_30, Solon_31, SophKB_26, Sorpresa_31, Sotrice96_26,
 SpikeBT_33, Spock_27, Squee_32, StAugustine_34, Stank_29, Stargaze_22,
 Stark_27, StellaBean_26, StewieG_30, Stinson_28, StolenFromERC_28,
 StormChicken_26, StrongArm_30, Sulley_27, Sumter_30, Sunshine924_32,
 SwissCheese_33, Switzer_32, Swole_33, TBrady12_28, Tachez_27, TaiwanKao_28,
 Target_34, Tarkin_28, Tasp14_32, TeamEdward_26, TeardropMSU_25,
 Teaspoon_27, TelAviv_55, Teodoridan_29, Terminus_26, TheloniousMonk_33,
 ThetaBob_20, Thibault_35, Thimble_26, Thor_31, ThreeRngTarjay_37, Thresher_27,
 Thumb_29, TiniBug_27, Tiri_27, Tomaszewski_25, Topgun_31, Topper_27,
 Toron_20, Tote_33, Toto_26, Traaww1_24, Traft412_33, Treddle_33, TreyKay_27,
 Tripl3t_32, Trouble_32, TruffulaTree_27, Tuco_27, Turj99_30, Twitch_27,
 TwoPeat_32, U2_31, Ukulele_26, Urkel_27, Vagabond_58, Veliki_27, Violet_30,
 Vorrrps_58, Watermelon_33, Weirido19_22, Wheeler_31, Whitspit_32, Wiggin_29,
 Wildcat_43, Wildflower_58, Wilkins_31, Willez_25, Winget_59, Wogge42_57,
 Xandras_28, Xiaokay_36, YangYin_22, YassJohnny_27, Yeet_37, Youngblood_26,
 YoureAdopted_26, YoyoKar_56, YungJamal_63, Yunkel11_27, Zabiza_27,
 Zakhe101_58, Zavala_27, Zebo_58, Zeeculate_31, Zelink_40, Zephyr_31,
 Zeuska_32, xkcd_27,

Summary by start number:

Start 2:

- Found in 2 of 886 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barnyard_36 (H2), DrLupo_38 (H2),

Start 13:

- Found in 10 of 886 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beckerton_29 (H1), BobtimousPrime_28 (H1), Cborch11_30 (H1), Damien_29 (H1), Konstantine_34 (H1), Megatron06_31 (H1), Oaker_29 (H1), Phreeze_29 (H1), Puissant_28 (H1), Thumb_29 (H1),

Start 14:

- Found in 1 of 886 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hawkeye_32 (D2),

Start 20:

- Found in 13 of 886 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 785
- Called 7.7% of time when present
- Phage (with cluster) where this start called: NovoPizza_23 (Q),

Start 29:

- Found in 7 of 886 (0.8%) of genes in pham
- Manual Annotations of this start: 7 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Avani_24 (F2), Che9d_24 (F2), Demsculpinboyz_24 (F2), Jabbawokkie_26 (F2), Soul22_24 (F2), Yoshi_24 (F2), Zapner_25 (F2),

Start 31:

- Found in 2 of 886 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Blarby_25 (F),

Start 36:

- Found in 6 of 886 (0.7%) of genes in pham
- Manual Annotations of this start: 6 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_42 (V), Cosmo_43 (V), EniyanLRS_40 (V), Kumao_30 (singleton), MaryV_43 (V), Wildcat_43 (V),

Start 37:

- Found in 2 of 886 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_21 (X), Nebkiss_22 (X),

Start 39:

- Found in 14 of 886 (1.6%) of genes in pham
- Manual Annotations of this start: 9 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antsirabe_22 (G5), Avocado_22 (G2), Cambiare_23 (G2), Cloudyecho_22 (G3), FlagStaff_22 (G2), GodSpeed_23 (G2), Jolie2_22 (G4), Lemuria_23 (G4), MOOREtheMARYer_23 (G3), Mercurio_24 (G4), Pace1224_22 (G2), Pinnie_23 (G3), Stargaze_22 (G5), YangYin_22 (G5),

Start 44:

- Found in 11 of 886 (1.2%) of genes in pham
- Manual Annotations of this start: 6 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 39HC_026 (B6), 40BC_026 (B6), BirdsNest_33 (B13), ForDig_26 (B6), Funsized_34 (B9), Hosp_024 (B6), Jolie1_026 (B6), KayaCho_26 (B6), LilMcDreamy_27 (B12), LittleMinkey_35 (B13), Rinkes_33 (B9),

Start 45:

- Found in 270 of 886 (30.5%) of genes in pham
- Manual Annotations of this start: 236 of 785
- Called 96.7% of time when present
- Phage (with cluster) where this start called: Alexphander_20 (F1), Aloeri_19 (F1), AlpineSix_18 (F1), ArcusAngelus_18 (F1), Ardmore_18 (F1), Ariel_36 (J), Aubs_18 (F1), Awesomesauce_19 (F1), BAKA_36 (J), Batiatius_18 (F1), Beakin_19 (F1), Beanstalk_20 (F1), Bipolar_18 (F1), Blexus_18 (F1), BlueCrab_18 (F1), BobaPhett_18 (F1), Bobi_20 (F1), BodEinwohner17_18 (F1), Boomer_19 (F1), BronnyJames_30 (J), Brookers_19 (F1), Brushbloom_19 (F1), Bubbles123_19 (F1), Burwell21_18 (F1), BuzzLyseyear_20 (F1), ByChance_18 (F1), Byougenkin_18 (F1), Cabrinians_18 (F1), CaptainTrips_19 (F1), Che8_18 (F1), Cheesepuff_20 (F1), Chevrolet_18 (F1), ChickenDinner_19 (F1), Chuckly_18 (F1), Clank_18 (F), Coco12_20 (F1), Corium_18 (F1), Cornucopia_19 (F1), Courthouse_36 (J), DLane_18 (F1), DRBy19_18 (F1), DaWorst_20 (F1), DaddyRickover_18 (F1), Daenerys_18 (F1), Dante_18 (F1), DeadP_18 (F1), Deb65_18 (F1), DillTech15_18 (F1), DirtMcGirt_19 (F1), DmpstrDiver_37 (J), DoRead_18 (F1), DocMcStuffsins_19 (F1), Donkeykong_18 (F1), Doomphist_18 (F1), Doomslug_20 (F), Dorothy_18 (F1), DosHalletts_19 (F1), DotProduct_18 (F1), Doug_19 (F1), Drago_19 (F1), Duke13_36 (J), Eish_18 (F1), EleanorGeorge_18 (F1), EmiMonkey_18 (F1), Emma_18 (F1), Emmaloid_19 (F1), Empress_19 (F1), Enby_19 (F1), Enzomatic_20 (F1), Eradicator_18 (F1), Estave1_18 (F1), Fancypants_18 (F1), Fastidio_18 (F1), Filuzino_18 (F1), Firehouse51_19 (F1), Flathead_19 (F1), Florinda_18 (F1), Frankie_19 (F1), FreddyB_18 (F1), Fruitloop_18 (F1), GUmbie_18 (F1), Galactic_18 (F1), Gandolph_18 (F1), Geralt_18 (F1), GigiOuiOui_18 (F1), Girafales_19 (F1), Girr_18 (F1), Gorge_18 (F1), Grimmer_19 (F1), Guppsters_19 (F1), Hades_18 (F1), Hamulus_18 (F1), Hannaconda_33 (J), Harley_18 (F1), Hegedechwinu_19 (F1), Hlubikazi_18 (F1), IMpilo_18 (F1), IbOuu_18 (F1), Ibhubesi_18 (F1), Inventum_18 (F1), IrishSherpFalk_19 (F1), JalFarm20_20 (F1), James_18 (F1), Jant_18 (F1), Jacob_18 (F1), Jinglebell_17 (F1), Job42_21 (F1), JoeyJr_18 (F1), Juice456_20 (F1), Juniper1_18 (F1), Karhdo_18 (F1), KashFlow_30 (J), Kenuha5_18 (F1), Kersh_19 (F1), Kimberlium_20 (F1), KingJulian_18 (F1), KingMidas_19 (F1), Kingsley_19 (F1), Krakatau_19 (F1), KristaRAM_19 (F1), Latretium_19 (F1), Leozinho_19 (F1), Leperchaun_18 (F1), LilMoolah_18 (F1), LittleE_39 (J), LittleShirley_19 (F1), Lizziana_18 (F1), Llama_18 (F1), Llij_18 (F1), Lorde_19 (F1), Lucia_19 (F1), Lucky2013_36 (J), LunaBlu_19 (F1), MadMen_19 (F1), Madiba_19

(F1), Mahavrat_18 (F1), Mandlovu_18 (F1), Mantra_18 (F1), Maravista_18 (F1), Marker_19 (F1), Martik_18 (F1), Mattes_18 (F1), Medindi_18 (F1), MiaZeal_36 (J), MilleniumForce_19 (F1), Minerva_39 (J), MinionDave_19 (F1), Minnie_19 (F1), Misha28_19 (F1), MisterCuddles_18 (F1), Modragons_18 (F1), MooMoo_18 (singleton), Moonbeam_19 (F1), Mova_19 (F1), Mozy_19 (F1), MulchExplorer_20 (F1), Mutaforma13_18 (F1), Mwanjiwa_18 (F1), NewHope4_19 (F1), Nibley_31 (J), Nichirin_18 (F1), Nimbo_18 (F1), Nitze_19 (F1), Nivrat_18 (F1), NormanBulbieJr_18 (F1), Ochi17_18 (F1), OfUltron_18 (F1), OgoPogo_21 (F1), Oksu_19 (F1), OldBen_18 (F1), OlympiaSaint_18 (F1), Omega_38 (J), Optimus_37 (J), Ovechkin_18 (F1), OwlT2W_20 (F1), PHappiness_18 (F1), PMC_18 (F1), Pacc40_18 (F1), PatoPoderoso_18 (F1), Peridot_20 (F1), Phalconet_18 (F1), Phanphagia_18 (F1), Phasih_19 (F1), Phatniss_19 (F1), PhesterPhotato_18 (F1), Philus_18 (F1), PhilipPhlop_18 (F1), Piper2020_19 (F1), Plumbus_19 (F1), Poenanya_18 (F1), Polka14_19 (F1), Pollywog_21 (F1), Polo2Bam_20 (F1), PopTart_18 (F1), Porcelain_35 (J), Priscilla_18 (F1), QuickMath_19 (F1), Quico_19 (F1), Radiance_18 (F1), Ramsey_19 (F1), RedBird_18 (F1), Rialto_20 (F1), RitaG_18 (F1), Rita_18 (F1), Rockne_18 (F1), RockyHorror_19 (F1), Royals2015_18 (F1), Ruby_18 (F1), SG4_18 (F1), Saal_18 (F1), Sabbb_19 (F1), Sandalphon_19 (F1), Sassafras_18 (F1), SassyB_18 (F1), Scottish_19 (F1), SeaLumen_19 (F1), Seabastian_18 (F1), Seagreen_19 (F1), Shaboozey_30 (J), Shauna1_18 (F1), ShiLan_18 (F1), ShowerHandel_18 (F1), ShroomBoi_18 (F1), SiSi_18 (F1), SimranZ1_19 (F1), Slim_19 (F1), Sparkdehlily_18 (F1), Spartacus_19 (F1), Spikelee_19 (F1), Spoonbill_18 (F1), Squint_35 (J), StAnnes_18 (F1), Stap_19 (F1), Starceвич_19 (F1), Strokeseat_18 (F1), SuperGrey_19 (F1), Superphikiman_36 (J), SwagPigglett_18 (F1), TDanisky_18 (F1), Taj_18 (F1), Tchotchke_19 (F1), TootsiePop_19 (F1), Tootsieroll_19 (F1), Topiatin_20 (F1), Totinger_19 (F1), Tweety_18 (F1), UncleRicky_19 (F1), VRedHorse_18 (F1), Veteran_18 (F1), Violac_19 (F1), Vivum_18 (F1), Wachhund_18 (F1), Wanda_39 (J), Wee_19 (F1), Whatsapiecost_18 (F1), Whouxphf_18 (F1), WillSterrel_19 (F1), XFactor_18 (F1), Yorick_18 (F1), Zerg_18 (F1), Zizzle_18 (F1),

Start 46:

- Found in 2 of 886 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 785
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cornie_20 (F5),

Start 48:

- Found in 4 of 886 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 785
- Called 75.0% of time when present
- Phage (with cluster) where this start called: LunaStella_20 (F4), Renaud18_20 (F4), ThetaBob_20 (F4),

Start 61:

- Found in 207 of 886 (23.4%) of genes in pham
- Manual Annotations of this start: 1 of 785
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Melissauren88_18 (F1),

Start 62:

- Found in 1 of 886 (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: SilverChicken_24 (F2),

Start 63:

- Found in 3 of 886 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brujita_21 (I1), Island3_21 (I1), PaintedDog_20 (I1),

Start 66:

- Found in 37 of 886 (4.2%) of genes in pham
- Manual Annotations of this start: 33 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_58 (O), Ashwin_60 (O), Blessica_59 (O), Bogie_20 (P1), Bora_56 (O), Catdawg_58 (O), Corndog_61 (O), Dylan_58 (O), Familton_59 (O), Firecracker_59 (O), FoulBall_58 (O), Idergollasper_58 (O), Imara_56 (O), JangDynasty_58 (O), KingPhillip3_57 (O), Krili_57 (O), MadKillah_59 (O), Mori_58 (O), Murai_59 (O), NiebruSaylor_57 (O), Pygmy_20 (P1), Ryadel_62 (O), SchoolBus_58 (O), Schuy_59 (O), Shida_58 (O), Shipwreck_20 (P1), Smooch_61 (O), TelAviv_55 (O), Vagabond_58 (O), Vorrrps_58 (O), Wildflower_58 (O), Winget_59 (O), Wogge42_57 (O), YoyoKar_56 (O), YungJamal_63 (O), Zakhe101_58 (O), Zebo_58 (O),

Start 81:

- Found in 154 of 886 (17.4%) of genes in pham
- Manual Annotations of this start: 128 of 785
- Called 93.5% of time when present
- Phage (with cluster) where this start called: 244_28 (E), ABCat_25 (E), Adnama_29 (E), Amao_26 (E), AmericanBeauty_28 (E), Argent26_28 (E), Asriel_25 (E), BaboJay_25 (E), BadStone_25 (E), Balomoji_25 (E), Barbarian_25 (E), Bask21_26 (E), Becksu_26 (E), Bench_28 (E), BigBubba_27 (E), BilboSwaggins_26 (E), Bogg_26 (E), Brewer_26 (E), Bruin_26 (E), Buck_25 (E), Budgie_28 (E), BugsBunny_24 (E), Cactus_27 (E), ChosenOne_25 (E), ChotaBhai_26 (E), Cjw1_26 (E), Command613_27 (E), Contagion_25 (E), Cookies_26 (E), CrystalP_26 (E), Czystczon1_27 (E), Daikon_24 (E), DoctorDiddles_26 (E), DrDrey_27 (E), Dumbo_26 (E), Dusk_25 (E), Easy2Say_28 (E), Elite2014_25 (E), Elph10_27 (E), Emmina_27 (E), Eureka_26 (E), FairyPath_26 (E), Filch_27 (E), FireRed_26 (E), Flypotenuse_24 (E), FoghornLeghorn_25 (E), Gage_28 (E), Gator_24 (E), Gemini_29 (E), Glexan_24 (E), Goku_26 (E), GoldenSpark_28 (E), Goldilocks_27 (E), GooberAzure_28 (E), Greep_27 (E), HanKaySha_27 (E), Harella_25 (E), Henry_26 (E), Highbury_27 (E), Holt_27 (E), Hoonter_28 (E), Hopey_28 (E), HuffyPuff_25 (E), IHOP_26 (E), Icee_25 (E), Inca_25 (E), JeTaimie_28 (E), Kanye_28 (E), Kimchi_28 (E), Kostya_26 (E), Lilac_28 (E), Lilizi_28 (E), Lilpickle_25 (E), MISSy_25 (E), MPhalcon_25 (E), MadamMonkfish_26 (E), Manda_27 (E), Marshmallow_26 (E), Maxxinista_27 (E), Mindy_26 (E), Miniwave_26 (E), Misfit_26 (E), Moldemort_27 (E), MollyToe_26 (E), Mosby_25 (E), Murica_25 (E), Murphy_27 (E), Myrale_26 (E), Nala_26 (E), NelitzaMV_26 (E), Nimrod_26 (E), NoSleep_27 (E), NonchalantPear_26 (E), OrionPax_27 (E), PaddyBaddy_27 (E), Palpatine_26 (E), Paperbeatsrock_28 (E), Pat3_25 (E), Petra64142_28 (E), Phaja_26 (E), Pharsalus_27 (E), PhatBacter_26 (E), Phaux_25 (E), Phrux_26 (E), Policronamos_26 (E), Porky_26 (E), Ptowny_26 (E), Pumpkin_28 (E), Quallification_27 (E), Rakim_27 (E), Rimmer_25 (E), RiverMonster_26 (E), Saints25_27 (E), Sassay_25 (E), ShamWow_26 (E),

ShereKhan_28 (E), Simpliphy_27 (E), SirDuracell_25 (E), SophKB_26 (E), Sotrice96_26 (E), Stank_29 (E), Stark_27 (E), StellaBean_26 (E), StolenFromERC_28 (E), StormChicken_26 (E), TBrady12_28 (E), Tarkin_28 (E), TeamEdward_26 (E), TeardropMSU_25 (E), Teaspoon_27 (E), Terminus_26 (E), Thimble_26 (E), Thresher_27 (E), Tomaszewski_25 (E), Toto_26 (E), Traaww1_24 (E), Tucō_27 (E), Ukulele_26 (E), Wiggin_29 (E), Willez_25 (E), Xandras_28 (E), YassJohnny_27 (E), Youngblood_26 (E), xkcd_27 (E),

Start 86:

- Found in 1 of 886 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_24 (K8),

Start 87:

- Found in 3 of 886 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Toron_20 (F6),

Start 88:

- Found in 101 of 886 (11.4%) of genes in pham
- Manual Annotations of this start: 96 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ActinUp_27 (K1), Adephagia_27 (K1), Adonis_27 (K1), Ageofdapage_27 (K1), AlishaPH_27 (K1), Aminay_25 (K7), Anaya_28 (K1), Angelica_27 (K1), Anma_27 (K1), Apocalypse_27 (K1), Asayake_27 (K1), Atiba_27 (K1), BEEST_27 (K1), BGlluviae_27 (K1), BaghaKamala_27 (K1), BarrelRoll_27 (K1), Beezoo_27 (K1), Bella96_27 (K1), Belladonna_27 (K1), Bern_27 (K1), Blizzard_27 (K1), Boiii_27 (K1), CREW_27 (K1), CallaLilly_27 (K1), Capricorn_27 (K1), CaseJules_27 (K1), CheetoDust_27 (K1), Chris_26 (K1), Clipper_27 (K1), CrimD_27 (K1), Dalmuri_27 (K1), DartGoblin_27 (K1), Deby_27 (K1), Devera_27 (K1), Dole_27 (K1), DrHayes_27 (K1), Durfee_27 (K1), Efra2_27 (K1), Emerson_27 (K1), Ganymede_28 (K1), Geraldini_27 (K1), Guanica15_27 (K1), HedwigODU_27 (K1), Homura_27 (K1), Hyperbowlee_27 (K1), Illumine_27 (K1), Inky_27 (K1), JAWS_27 (K1), Jarvi_27 (K1), Jayhawk_27 (K1), Jeckyll_27 (K1), Joy99_27 (K1), KiSi_26 (K1), LaterM_27 (K1), LeMond_26 (K1), LindNT_27 (K1), Llorens_27 (K1), Lunahalos_27 (K1), MacKat_27 (K1), MarkPheW_27 (K1), Marshawn_28 (K6), MeaningOfLife_27 (K1), Megsy_27 (K1), Murucutumbu_27 (K1), Mynx_27 (K1), Nibb_26 (K1), Oscar_26 (K1), Padfoot_27 (K1), Padpat_27 (K1), Peel_27 (K1), Piatt_27 (K1), Pisa1_26 (K1), Pisa4_26 (K1), Pokerus_26 (K1), Prithvi_27 (K1), QuincyRose_26 (K1), Ramen_27 (K1), Rapunzel97_27 (K1), Rosmarinus_27 (K1), SamuelLPlaqson_27 (K1), Scarlett_26 (K1), ShiaSurprise_27 (K1), SirPhilip_26 (K6), Slimphazie_27 (K1), Spock_27 (K1), Stinson_28 (K1), Sulley_27 (K1), Tachez_27 (K1), TaiwanKao_28 (K1), TiniBug_27 (K1), Tiri_27 (K1), Topper_27 (K1), TreyKay_27 (K1), TruffulaTree_27 (K1), Twitch_27 (K1), Urkel_27 (K1), Veliki_27 (K1), YoureAdopted_26 (K1), Yunkel11_27 (K1), Zabiza_27 (K1), Zavala_27 (K1),

Start 122:

- Found in 1 of 886 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 785
- Called 100.0% of time when present

- Phage (with cluster) where this start called: NoShow_21 (AB),

Start 127:

- Found in 262 of 886 (29.6%) of genes in pham
- No Manual Annotations of this start.
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Gonephishing_34 (J),

Start 258:

- Found in 32 of 886 (3.6%) of genes in pham
- Manual Annotations of this start: 23 of 785
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Bagrid_38 (J), Beem_39 (J), Bobby_40 (J), Bombitas_35 (J), Constella_33 (J), Dallas_40 (J), Dove_36 (J), Ejimix_39 (J), EricMillard_39 (J), Halley_39 (J), Hidrated_41 (J), HokkenD_34 (J), Hughesyang_37 (J), JuicyJay_41 (J), Kalah2_39 (J), Klein_39 (J), Marleymoo_43 (J), Nekros_36 (J), NihilNomen_38 (J), Odette_38 (J), Phoebus_38 (J), Pound_40 (J), Rearden_33 (J), Redno2_37 (J), Schatzie_36 (J), Thibault_35 (J), ThreeRngTarjay_37 (J), Xiaokay_36 (J), Yeet_37 (J), Zelink_40 (J),

Start 260:

- Found in 1 of 886 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Weirdo19_22 (AH),

Start 264:

- Found in 242 of 886 (27.3%) of genes in pham
- Manual Annotations of this start: 216 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_29 (A1), AFIS_31 (A1), Abbyshoes_32 (A1), Abrogate_320 (A1), Acme_33 (A1), Adahisdi_32 (A1), Aeneas_33 (A1), Agaliana_32 (A1), Ajay_32 (A1), Aldrich_33 (A1), Alsfro_35 (A1), Altman_33 (A1), Alvin_32 (A1), Anglerfish_32 (A1), Applejack_31 (A1), Arcanine_32 (A1), Arlo_30 (A1), Ashballer_33 (A1), Atkinbua_33 (A1), BK1_29 (A1), BPBiebs31_32 (A1), BaconJack_34 (A1), Barriga_31 (A1), BarrowTuph_30 (A1), Beatrix_31 (A1), BeesKnees_32 (A1), Bethlehem_31 (A1), Big3_31 (A1), BigMau_33 (A1), BigPaolini_32 (A1), Bigchungi_31 (A1), Bigfoot_30 (A1), BillKnuckles_32 (A1), Bircsak_31 (A1), Blackflame_31 (A1), Blessner_31 (A1), BluSpix_32 (A1), Blue_31 (A1), Bob3_30 (A1), Bones_31 (A1), Briton15_33 (A1), Bruns_30 (A1), Burton_32 (A1), Buttons_33 (A1), Bxb1_29 (A1), CactusRose_30 (A1), Carlyle_33 (A1), CartmannCramer_31 (A1), CatBus_33 (A1), Chanagan_30 (A1), ChristmasHams_32 (A1), Ciao_31 (A1), ConceptII_33 (A1), Corvo_32 (A1), Crispicous1_30 (A1), Cueylyss_31 (A1), DD5_32 (A1), Dexes_32 (A1), DirtDevil_33 (A1), Doom_32 (A1), DrFeelGood_30 (A1), DreamCatcher_34 (A1), Dreamboat_32 (A1), Dulcie_30 (A1), Dussy_32 (A1), Dynamix_32 (A1), Edtherson_32 (A1), EnzoK_32 (A1), Espresso_31 (A1), Euphoria_31 (A1), Eyeball_31 (A1), Fajezeel_33 (A1), Fascinus_30 (A1), Fenn_32 (A1), Forsytheast_31 (A1), Francis47_31 (A1), Froghopper_32 (A1), Fushigi_32 (A1), GMonster_30 (A1), Gachnar_31 (A1), GageAP_33 (A1), Gandalf20_32 (A1), Gompeii16_31 (A1), Graduation_33 (A1), GrecoEtereo_33 (A1), Greg_33 (A1), GroundGoblin_33 (A1), Gwendoluna_33 (A1), Gyzlar_33 (A1), Hami1_33 (A1), HanShotFirst_31 (A1), HarryOW_32 (A1), Hermia_34 (A1), HermioneGrange_31 (A1), Homines_31 (A1), Hope4ever_31 (A1), ILeeKay_33 (A1),

Ichabod_32 (A1), IgnatiusPatJac_31 (A1), Inyanga_30 (A1), Iqorha_30 (A1), JC27_33 (A1), JackSparrow_32 (A1), Jasper_32 (A1), Jerm2_32 (A1), Jorgensen_31 (A1), JuliaChild_33 (A1), KBG_32 (A1), KSSJEB_31 (A1), Kanely_32 (A1), Kenmech_34 (A1), KikiBouba_33 (A1), Killigrew_29 (A1), Kugel_32 (A1), KyMonks1A_33 (A1), Kykar_31 (A1), Lamina13_31 (A1), Lesedi_30 (A1), Levia_31 (A1), Licorice_33 (A1), LilBib_32 (A1), Lockley_31 (A1), Lopton_32 (A1), LunarLander_32 (A1), MPlant7149_30 (A1), Magnar_31 (A1), Magnito_30 (A1), Makemake_31 (A1), Manatee_32 (A1), Marcell_31 (A1), Marchy_30 (A1), Marco3_31 (A1), Marge_32 (A1), Maroc7_30 (A1), Marsha_31 (A1), MaryBeth_31 (A1), McGuire_32 (A1), McSinger_32 (A1), MetalQZJ_31 (A1), Michley_31 (A1), MilleFeuille_28 (A1), Mkhusele_32 (A1), Molly_32 (A1), Monet_33 (A1), Moose_31 (A1), MrGordo_31 (A1), Mryolo_30 (A1), Mule_31 (A1), Museum_33 (A1), NEHalo_31 (A1), Naira_32 (A1), Nerujay_32 (A1), Nhonho_31 (A1), Niza_33 (A1), Norz_33 (A1), Noxious_33 (A1), Ohno789_31 (A1), Oogway_30 (A1), PSullivan_33 (A1), PacerPaul_31 (A1), Papez_33 (A1), Paphu_30 (A1), Paraselene_30 (A1), Pari_32 (A1), Parliament_30 (A1), PascalRango_32 (A1), PattyP_33 (A1), Payneful_31 (A1), Pelly_32 (A1), Pepe_32 (A1), Perseus_33 (A1), Peterson_34 (A1), Petp2012_33 (A1), Petruchio_32 (A1), PherrisBueller_32 (A1), PhineBark_30 (A1), Phlippers_30 (A1), PhrostyMug_31 (A1), PinkPlastic_30 (A1), Pinto_34 (A1), Pippin_33 (A1), Pita2_33 (A1), PowerRanger_33 (A1), ProMouse_30 (A1), Puppet_31 (A1), QTRlifeCrisis_31 (A1), Raid_31 (A1), Rhynn_31 (A1), RidgeCB_31 (A1), Ringer_31 (A1), Rohr_32 (A1), Rubeus_32 (A1), Rufus_32 (A1), Ruotula_30 (A1), Rutherferd_33 (A1), STLscum_32 (A1), Sagefire_32 (A1), Sandaddy_30 (A1), Sanya_30 (A1), SarFire_31 (A1), Seabiscuit_33 (A1), Seanderson_32 (A1), ShortQueendom_30 (A1), Sibs6_33 (A1), SkiPole_33 (A1), Slagathor_32 (A1), Smairt_32 (A1), Smeagol_33 (A1), Snazzy_30 (A1), Solon_31 (A1), Sorpresa_31 (A1), SpikeBT_33 (A1), Squee_32 (A1), StewieG_30 (A1), StrongArm_30 (A1), Sumter_30 (A1), Sunshine924_32 (A1), SwissCheese_33 (A1), Switzer_32 (A1), Swole_33 (A1), Target_34 (A1), Tasp14_32 (A1), Teodoridan_29 (A1), TheloniousMonk_33 (A1), Thor_31 (A1), Topgun_31 (A1), Tote_33 (A1), Traft412_33 (A1), Treddle_33 (A1), Tripl3t_32 (A1), Trouble_32 (A1), Turj99_30 (A1), TwoPeat_32 (A1), U2_31 (A1), Violet_30 (A1), Watermelon_33 (A1), Wheeler_31 (A1), Whitspit_32 (A1), Wilkins_31 (A1), Zeeculate_31 (A1), Zephyr_31 (A1), Zeuska_32 (A1),

Start 271:

- Found in 2 of 886 (0.2%) of genes in pham
- Manual Annotations of this start: 2 of 785
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Causa_36 (A1), StAugustine_34 (A1),

Summary by clusters:

There are 34 clusters represented in this pham: singleton, K1, AB, K7, K6, K8, G5, G4, G3, G2, I1, A1, P1, E, F, AI, AH, J, O, Q, V, X, F1, F2, F4, F5, F6, H2, H1, B6, B12, D2, B9, B13,

Info for manual annotations of cluster A1:

- Start number 264 was manually annotated 216 times for cluster A1.

Info for manual annotations of cluster AB:

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

Info for manual annotations of cluster A1:

- Start number 271 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster B12:

- Start number 44 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 44 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B6:

- Start number 44 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B9:

- Start number 44 was manually annotated 2 times for cluster B9.

Info for manual annotations of cluster D2:

- Start number 14 was manually annotated 1 time for cluster D2.

Info for manual annotations of cluster E:

- Start number 81 was manually annotated 128 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 45 was manually annotated 218 times for cluster F1.
- Start number 61 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:

- Start number 29 was manually annotated 7 times for cluster F2.

Info for manual annotations of cluster F4:

- Start number 48 was manually annotated 3 times for cluster F4.

Info for manual annotations of cluster F5:

- Start number 46 was manually annotated 1 time for cluster F5.

Info for manual annotations of cluster G2:

- Start number 39 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 39 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 39 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 39 was manually annotated 2 times for cluster G5.

Info for manual annotations of cluster H1:

- Start number 13 was manually annotated 8 times for cluster H1.

Info for manual annotations of cluster H2:

- Start number 2 was manually annotated 2 times for cluster H2.

Info for manual annotations of cluster I1:

- Start number 63 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 45 was manually annotated 17 times for cluster J.
- Start number 258 was manually annotated 23 times for cluster J.

Info for manual annotations of cluster K1:

- Start number 88 was manually annotated 93 times for cluster K1.

Info for manual annotations of cluster K6:

- Start number 88 was manually annotated 2 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 88 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 86 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster O:

- Start number 66 was manually annotated 30 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 66 was manually annotated 3 times for cluster P1.

Info for manual annotations of cluster Q:

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

Info for manual annotations of cluster V:

- Start number 36 was manually annotated 5 times for cluster V.

Info for manual annotations of cluster X:

- Start number 37 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 244_28 Start: 22564, Stop: 24960, Start Num: 81

Candidate Starts for 244_28:

(Start: 81 @22564 has 128 MA's), (163, 22741), (171, 22762), (238, 22909), (274, 23083), (284, 23116), (292, 23152), (327, 23245), (348, 23305), (354, 23323), (385, 23455), (399, 23500), (432, 23632), (441, 23677), (456, 23737), (488, 23851), (491, 23872), (500, 23911), (504, 23932), (506, 23947), (541, 24097), (543, 24103), (546, 24121), (561, 24175), (584, 24259), (605, 24352), (656, 24598), (689, 24814), (701, 24898), (708, 24931),

Gene: 39HC_026 Start: 27572, Stop: 30067, Start Num: 44

Candidate Starts for 39HC_026:

(Start: 44 @27572 has 6 MA's), (65, 27629), (85, 27686), (145, 27806), (152, 27824), (169, 27896), (171, 27902), (191, 27956), (205, 27992), (252, 28175), (261, 28220), (268, 28259), (283, 28307), (285, 28313), (314, 28361), (325, 28391), (337, 28418), (348, 28454), (354, 28472), (361, 28496), (367, 28520), (385, 28604), (396, 28640), (407, 28670), (415, 28706), (419, 28724), (461, 28931),

(464, 28943), (467, 28952), (484, 29021), (486, 29027), (487, 29030), (489, 29039), (494, 29069), (504, 29114), (506, 29129), (524, 29210), (529, 29222), (531, 29240), (534, 29246), (536, 29261), (538, 29267), (557, 29348), (582, 29420), (586, 29438), (588, 29453), (627, 29663), (629, 29684), (633, 29702), (686, 29999),

Gene: 40BC_026 Start: 27572, Stop: 30067, Start Num: 44

Candidate Starts for 40BC_026:

(Start: 44 @27572 has 6 MA's), (65, 27629), (85, 27686), (145, 27806), (152, 27824), (169, 27896), (171, 27902), (191, 27956), (205, 27992), (252, 28175), (261, 28220), (268, 28259), (283, 28307), (285, 28313), (314, 28361), (325, 28391), (337, 28418), (348, 28454), (354, 28472), (361, 28496), (367, 28520), (385, 28604), (396, 28640), (407, 28670), (415, 28706), (419, 28724), (461, 28931), (464, 28943), (467, 28952), (484, 29021), (486, 29027), (487, 29030), (489, 29039), (494, 29069), (504, 29114), (506, 29129), (524, 29210), (529, 29222), (531, 29240), (534, 29246), (536, 29261), (538, 29267), (557, 29348), (582, 29420), (586, 29438), (588, 29453), (627, 29663), (629, 29684), (633, 29702), (686, 29999),

Gene: A6_29 Start: 23660, Stop: 25513, Start Num: 264

Candidate Starts for A6_29:

(Start: 264 @23660 has 216 MA's), (287, 23741), (313, 23807), (343, 23876), (360, 23924), (368, 23951), (385, 24029), (397, 24065), (491, 24443), (526, 24617), (546, 24704), (587, 24860), (640, 25091), (653, 25133), (661, 25175), (696, 25397), (699, 25418), (704, 25454),

Gene: ABCat_25 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for ABCat_25:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (354, 23042), (376, 23123), (432, 23351), (441, 23396), (491, 23591), (492, 23597), (494, 23606), (504, 23651), (506, 23666), (543, 23822), (546, 23840), (549, 23849), (563, 23903), (584, 23978), (585, 23981), (626, 24191), (628, 24203), (656, 24317), (689, 24533), (701, 24617), (706, 24641), (708, 24650),

Gene: AFIS_31 Start: 24203, Stop: 26056, Start Num: 264

Candidate Starts for AFIS_31:

(Start: 264 @24203 has 216 MA's), (287, 24284), (313, 24350), (343, 24419), (360, 24467), (368, 24494), (385, 24572), (397, 24608), (417, 24680), (491, 24986), (526, 25160), (546, 25247), (587, 25403), (625, 25589), (640, 25634), (653, 25676), (661, 25718), (696, 25940), (699, 25961), (704, 25997),

Gene: Abbysshoes_32 Start: 24318, Stop: 26171, Start Num: 264

Candidate Starts for Abbysshoes_32:

(Start: 264 @24318 has 216 MA's), (266, 24336), (287, 24399), (313, 24465), (343, 24534), (344, 24537), (360, 24582), (368, 24609), (385, 24687), (397, 24723), (417, 24795), (491, 25101), (526, 25275), (546, 25362), (587, 25518), (625, 25704), (640, 25749), (653, 25791), (661, 25833), (673, 25893), (696, 26055), (704, 26112),

Gene: Abrogate_320 Start: 24878, Stop: 26731, Start Num: 264

Candidate Starts for Abrogate_320:

(Start: 264 @24878 has 216 MA's), (266, 24896), (287, 24959), (313, 25025), (343, 25094), (360, 25142), (368, 25169), (385, 25247), (397, 25283), (417, 25355), (491, 25661), (526, 25835), (546, 25922), (587, 26078), (640, 26309), (653, 26351), (661, 26393), (696, 26615), (704, 26672),

Gene: Acme_33 Start: 24419, Stop: 26272, Start Num: 264

Candidate Starts for Acme_33:

(Start: 264 @24419 has 216 MA's), (287, 24500), (313, 24566), (343, 24635), (360, 24683), (368, 24710), (385, 24788), (397, 24824), (491, 25202), (526, 25376), (546, 25463), (587, 25619), (640, 25850), (653, 25892), (661, 25934), (696, 26156), (704, 26213),

Gene: ActinUp_27 Start: 20881, Stop: 23313, Start Num: 88

Candidate Starts for ActinUp_27:

(Start: 88 @20881 has 96 MA's), (137, 20980), (223, 21241), (230, 21262), (273, 21469), (283, 21502), (289, 21532), (320, 21604), (329, 21628), (345, 21673), (381, 21826), (388, 21871), (391, 21883), (395, 21892), (410, 21943), (446, 22123), (450, 22138), (466, 22207), (469, 22219), (494, 22324), (504, 22363), (505, 22369), (506, 22378), (525, 22459), (536, 22507), (555, 22582), (563, 22618), (586, 22699), (591, 22720), (611, 22813), (627, 22909), (657, 23056), (662, 23098), (671, 23137), (682, 23212),

Gene: Adahisdi_32 Start: 24279, Stop: 26132, Start Num: 264

Candidate Starts for Adahisdi_32:

(Start: 264 @24279 has 216 MA's), (287, 24360), (313, 24426), (343, 24495), (360, 24543), (368, 24570), (385, 24648), (397, 24684), (417, 24756), (491, 25062), (526, 25236), (546, 25323), (587, 25479), (599, 25539), (625, 25665), (640, 25710), (653, 25752), (661, 25794), (673, 25854), (696, 26016), (704, 26073),

Gene: Adephagia_27 Start: 20878, Stop: 23310, Start Num: 88

Candidate Starts for Adephagia_27:

(Start: 88 @20878 has 96 MA's), (137, 20977), (223, 21238), (230, 21259), (273, 21466), (283, 21499), (289, 21529), (320, 21601), (329, 21625), (345, 21670), (381, 21823), (388, 21868), (391, 21880), (395, 21889), (410, 21940), (446, 22120), (450, 22135), (466, 22204), (469, 22216), (494, 22321), (504, 22360), (505, 22366), (506, 22375), (525, 22456), (536, 22504), (555, 22579), (563, 22615), (586, 22696), (591, 22717), (611, 22810), (627, 22906), (657, 23053), (662, 23095), (671, 23134), (682, 23209),

Gene: Adnama_29 Start: 22791, Stop: 25187, Start Num: 81

Candidate Starts for Adnama_29:

(Start: 81 @22791 has 128 MA's), (163, 22968), (171, 22989), (238, 23136), (274, 23310), (284, 23343), (292, 23379), (327, 23472), (348, 23532), (354, 23550), (385, 23682), (399, 23727), (432, 23859), (441, 23904), (456, 23964), (488, 24078), (491, 24099), (500, 24138), (504, 24159), (506, 24174), (541, 24324), (543, 24330), (546, 24348), (561, 24402), (584, 24486), (605, 24579), (656, 24825), (689, 25041), (701, 25125), (708, 25158),

Gene: Adonis_27 Start: 20884, Stop: 23316, Start Num: 88

Candidate Starts for Adonis_27:

(Start: 88 @20884 has 96 MA's), (137, 20983), (223, 21244), (230, 21265), (273, 21472), (283, 21505), (289, 21535), (320, 21607), (329, 21631), (345, 21676), (381, 21829), (388, 21874), (391, 21886), (395, 21895), (410, 21946), (446, 22126), (450, 22141), (466, 22210), (486, 22285), (494, 22327), (504, 22366), (505, 22372), (506, 22381), (510, 22402), (525, 22462), (554, 22579), (563, 22621), (584, 22693), (586, 22702), (591, 22723), (606, 22795), (611, 22816), (627, 22912), (638, 22975), (662, 23101), (671, 23140), (689, 23287),

Gene: Aeneas_33 Start: 24455, Stop: 26308, Start Num: 264

Candidate Starts for Aeneas_33:

(Start: 264 @24455 has 216 MA's), (287, 24536), (313, 24602), (343, 24671), (360, 24719), (385, 24824), (397, 24860), (417, 24932), (491, 25238), (526, 25412), (546, 25499), (587, 25655), (640, 25886), (653, 25928), (661, 25970), (696, 26192), (699, 26213), (704, 26249),

Gene: Agaliana_32 Start: 24399, Stop: 26252, Start Num: 264

Candidate Starts for Agaliana_32:

(Start: 264 @24399 has 216 MA's), (287, 24480), (313, 24546), (343, 24615), (360, 24663), (368, 24690), (377, 24726), (385, 24768), (397, 24804), (417, 24876), (491, 25182), (509, 25284), (526, 25356), (546, 25443), (587, 25599), (640, 25830), (651, 25869), (653, 25872), (661, 25914), (696, 26136), (699, 26157), (704, 26193),

Gene: Ageofdapage_27 Start: 20828, Stop: 23260, Start Num: 88

Candidate Starts for Ageofdapage_27:

(Start: 88 @20828 has 96 MA's), (137, 20927), (140, 20930), (180, 21056), (223, 21188), (230, 21209), (256, 21341), (283, 21449), (320, 21551), (329, 21575), (337, 21593), (345, 21620), (363, 21686), (381, 21773), (391, 21830), (395, 21839), (406, 21875), (410, 21890), (446, 22070), (450, 22085), (469, 22166), (486, 22229), (494, 22271), (504, 22310), (505, 22316), (506, 22325), (525, 22406), (534, 22439), (536, 22454), (537, 22457), (550, 22511), (554, 22523), (584, 22637), (586, 22646), (627, 22856), (662, 23045), (671, 23084), (689, 23231),

Gene: Ajay_32 Start: 24631, Stop: 26484, Start Num: 264

Candidate Starts for Ajay_32:

(Start: 264 @24631 has 216 MA's), (287, 24712), (297, 24736), (313, 24778), (343, 24847), (360, 24895), (368, 24922), (377, 24958), (385, 25000), (397, 25036), (417, 25108), (491, 25414), (509, 25516), (526, 25588), (546, 25675), (587, 25831), (640, 26062), (651, 26101), (653, 26104), (661, 26146), (696, 26368), (699, 26389), (704, 26425),

Gene: Aldrich_33 Start: 25422, Stop: 27275, Start Num: 264

Candidate Starts for Aldrich_33:

(Start: 264 @25422 has 216 MA's), (287, 25503), (313, 25569), (343, 25638), (360, 25686), (368, 25713), (385, 25791), (417, 25899), (491, 26205), (509, 26307), (526, 26379), (546, 26466), (587, 26622), (599, 26682), (640, 26853), (653, 26895), (661, 26937), (696, 27159), (699, 27180), (704, 27216),

Gene: Alexphander_20 Start: 17923, Stop: 20460, Start Num: 45

Candidate Starts for Alexphander_20:

(Start: 45 @17923 has 236 MA's), (54, 17944), (Start: 61 @17965 has 1 MA's), (74, 18004), (109, 18073), (118, 18082), (120, 18085), (127, 18103), (149, 18136), (154, 18151), (207, 18310), (208, 18313), (222, 18343), (228, 18358), (246, 18436), (251, 18457), (252, 18460), (265, 18526), (284, 18601), (286, 18607), (298, 18649), (300, 18655), (301, 18658), (314, 18691), (316, 18697), (327, 18727), (336, 18748), (345, 18778), (348, 18787), (377, 18895), (380, 18907), (381, 18916), (382, 18919), (383, 18928), (384, 18934), (387, 18949), (389, 18952), (397, 18973), (410, 19015), (417, 19048), (448, 19189), (449, 19195), (462, 19249), (463, 19252), (474, 19279), (489, 19339), (491, 19354), (493, 19366), (494, 19369), (507, 19435), (512, 19459), (515, 19480), (517, 19489), (534, 19549), (535, 19552), (543, 19588), (546, 19606), (551, 19618), (554, 19627), (560, 19654), (580, 19723), (584, 19741), (586, 19750), (587, 19762), (593, 19798), (600, 19828), (620, 19909), (627, 19963), (638, 20023), (644, 20065), (663, 20143), (674, 20200), (678, 20224), (685, 20278), (689, 20326), (699, 20368), (700, 20392), (701, 20395),

Gene: AlishaPH_27 Start: 20871, Stop: 23303, Start Num: 88

Candidate Starts for AlishaPH_27:

(Start: 88 @20871 has 96 MA's), (137, 20970), (223, 21231), (230, 21252), (273, 21459), (283, 21492), (289, 21522), (320, 21594), (329, 21618), (381, 21816), (388, 21861), (391, 21873), (395, 21882), (410, 21933), (446, 22113), (450, 22128), (466, 22197), (469, 22209), (486, 22272), (494, 22314), (504, 22353), (505, 22359), (506, 22368), (510, 22389), (525, 22449), (554, 22566), (563, 22608), (584, 22680), (586, 22689), (591, 22710), (606, 22782), (611, 22803), (627, 22899), (657, 23046), (671, 23127), (689, 23274),

Gene: Alkhayr_58 Start: 35810, Stop: 38320, Start Num: 66

Candidate Starts for Alkhayr_58:

(Start: 66 @35810 has 33 MA's), (73, 35843), (105, 35912), (106, 35915), (119, 35939), (130, 35963), (144, 35987), (155, 36020), (211, 36227), (217, 36239), (218, 36242), (255, 36389), (259, 36419), (265, 36443), (272, 36473), (273, 36476), (281, 36503), (288, 36527), (300, 36557), (320, 36614), (329, 36638), (343, 36674), (345, 36686), (353, 36710), (354, 36713), (366, 36755), (387, 36851), (389, 36854), (453, 37109), (491, 37253), (504, 37313), (514, 37385), (515, 37388), (540, 37484), (584, 37658), (587, 37679), (610, 37772), (613, 37784), (627, 37874), (653, 37949), (662, 37994), (693, 38195), (700, 38249), (704, 38264),

Gene: Aloeri_19 Start: 17271, Stop: 19796, Start Num: 45

Candidate Starts for Aloeri_19:

(Start: 45 @17271 has 236 MA's), (54, 17292), (Start: 61 @17313 has 1 MA's), (74, 17352), (109, 17421), (118, 17430), (120, 17433), (127, 17451), (149, 17484), (154, 17499), (168, 17547), (207, 17658), (208, 17661), (228, 17706), (246, 17784), (252, 17808), (265, 17874), (267, 17883), (284, 17949), (286, 17955), (288, 17973), (298, 17997), (300, 18003), (301, 18006), (314, 18039), (316, 18045), (327, 18075), (336, 18096), (348, 18135), (353, 18150), (355, 18156), (389, 18300), (407, 18351), (431, 18462), (442, 18513), (447, 18537), (474, 18630), (485, 18675), (488, 18684), (491, 18705), (493, 18717), (494, 18720), (504, 18765), (512, 18810), (514, 18828), (515, 18831), (529, 18882), (541, 18933), (543, 18939), (546, 18957), (551, 18969), (554, 18978), (561, 19011), (584, 19092), (596, 19161), (605, 19188), (611, 19215), (621, 19266), (627, 19314), (677, 19557), (689, 19662), (694, 19683), (703, 19737), (707, 19761),

Gene: AlpineSix_18 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for AlpineSix_18:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584, 19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Alsfro_35 Start: 24864, Stop: 26717, Start Num: 264

Candidate Starts for Alsfro_35:

(Start: 264 @24864 has 216 MA's), (266, 24882), (287, 24945), (313, 25011), (343, 25080), (344, 25083), (360, 25128), (368, 25155), (377, 25191), (385, 25233), (397, 25269), (417, 25341), (489, 25632), (491, 25647), (526, 25821), (546, 25908), (587, 26064), (625, 26250), (640, 26295), (651, 26334), (653, 26337), (661, 26379), (696, 26601), (699, 26622), (704, 26658),

Gene: Altman_33 Start: 24922, Stop: 26775, Start Num: 264

Candidate Starts for Altman_33:

(Start: 264 @24922 has 216 MA's), (287, 25003), (313, 25069), (343, 25138), (360, 25186), (368, 25213), (385, 25291), (397, 25327), (417, 25399), (491, 25705), (526, 25879), (546, 25966), (587, 26122), (640, 26353), (653, 26395), (661, 26437), (696, 26659), (699, 26680), (704, 26716),

Gene: Alvin_32 Start: 24691, Stop: 26544, Start Num: 264

Candidate Starts for Alvin_32:

(Start: 264 @24691 has 216 MA's), (287, 24772), (313, 24838), (343, 24907), (360, 24955), (368, 24982), (385, 25060), (397, 25096), (417, 25168), (491, 25474), (526, 25648), (546, 25735), (587, 25891), (625, 26077), (640, 26122), (653, 26164), (661, 26206), (696, 26428), (704, 26485),

Gene: Amapo_26 Start: 21488, Stop: 23884, Start Num: 81

Candidate Starts for Amapo_26:

(Start: 81 @21488 has 128 MA's), (163, 21665), (171, 21686), (238, 21833), (267, 21974), (274, 22007), (292, 22076), (327, 22169), (348, 22229), (354, 22247), (385, 22379), (399, 22424), (432, 22556), (441, 22601), (488, 22775), (491, 22796), (500, 22835), (504, 22856), (506, 22871), (543, 23027), (546, 23045), (561, 23099), (584, 23183), (647, 23507), (689, 23738), (701, 23822), (708, 23855),

Gene: AmericanBeauty_28 Start: 22271, Stop: 24667, Start Num: 81

Candidate Starts for AmericanBeauty_28:

(Start: 81 @22271 has 128 MA's), (163, 22448), (171, 22469), (238, 22616), (267, 22757), (274, 22790), (284, 22823), (292, 22859), (327, 22952), (348, 23012), (354, 23030), (385, 23162), (399, 23207), (432, 23339), (441, 23384), (456, 23444), (488, 23558), (491, 23579), (500, 23618), (504, 23639), (506, 23654), (541, 23804), (543, 23810), (546, 23828), (561, 23882), (584, 23966), (605, 24059), (656, 24305), (689, 24521), (701, 24605), (708, 24638),

Gene: Aminay_25 Start: 21018, Stop: 23477, Start Num: 88

Candidate Starts for Aminay_25:

(Start: 88 @21018 has 96 MA's), (137, 21120), (185, 21264), (207, 21327), (214, 21360), (230, 21402), (272, 21609), (282, 21642), (296, 21693), (320, 21756), (324, 21771), (329, 21780), (330, 21786), (337, 21798), (372, 21921), (373, 21933), (387, 22011), (411, 22104), (415, 22119), (425, 22179), (441, 22251), (449, 22287), (459, 22332), (461, 22341), (472, 22380), (484, 22431), (486, 22437), (529, 22638), (536, 22677), (539, 22686), (591, 22878), (611, 22971), (632, 23109), (667, 23277),

Gene: Anaya_28 Start: 20897, Stop: 23329, Start Num: 88

Candidate Starts for Anaya_28:

(Start: 88 @20897 has 96 MA's), (91, 20906), (137, 20996), (223, 21257), (230, 21278), (283, 21518), (289, 21548), (329, 21644), (345, 21689), (381, 21842), (388, 21887), (391, 21899), (395, 21908), (410, 21959), (446, 22139), (450, 22154), (466, 22223), (494, 22340), (504, 22379), (505, 22385), (506, 22394), (525, 22475), (536, 22523), (537, 22526), (584, 22706), (586, 22715), (591, 22736), (611, 22829), (627, 22925), (638, 22988), (671, 23153), (682, 23228),

Gene: Angelica_27 Start: 20846, Stop: 23278, Start Num: 88

Candidate Starts for Angelica_27:

(Start: 88 @20846 has 96 MA's), (137, 20945), (223, 21206), (230, 21227), (273, 21434), (283, 21467), (289, 21497), (320, 21569), (329, 21593), (381, 21791), (388, 21836), (391, 21848), (395, 21857), (410, 21908), (446, 22088), (450, 22103), (466, 22172), (469, 22184), (486, 22247), (494, 22289), (504, 22328), (505, 22334), (506, 22343), (510, 22364), (525, 22424), (534, 22457), (536, 22472), (537, 22475), (550, 22529), (554, 22541), (584, 22655), (586, 22664), (591, 22685), (606, 22757), (611, 22778), (627, 22874), (671, 23102), (689, 23249),

Gene: Anglerfish_32 Start: 24835, Stop: 26688, Start Num: 264

Candidate Starts for Anglerfish_32:

(Start: 264 @24835 has 216 MA's), (287, 24916), (313, 24982), (343, 25051), (360, 25099), (368, 25126), (385, 25204), (397, 25240), (410, 25279), (417, 25312), (426, 25363), (491, 25618), (526, 25792), (546, 25879), (587, 26035), (625, 26221), (640, 26266), (653, 26308), (661, 26350), (696, 26572), (699, 26593), (704, 26629),

Gene: Anma_27 Start: 20840, Stop: 23272, Start Num: 88

Candidate Starts for Anma_27:

(Start: 81 @20822 has 128 MA's), (Start: 88 @20840 has 96 MA's), (107, 20888), (137, 20939), (223, 21200), (230, 21221), (282, 21458), (283, 21461), (289, 21491), (291, 21494), (320, 21563), (329, 21587), (330, 21593), (334, 21599), (345, 21632), (381, 21785), (391, 21842), (395, 21851), (410, 21902), (446, 22082), (450, 22097), (466, 22166), (469, 22178), (480, 22214), (486, 22241), (494, 22283), (504, 22322), (505, 22328), (506, 22337), (510, 22358), (525, 22418), (534, 22451), (537, 22469), (554, 22535), (563, 22577), (584, 22649), (586, 22658), (591, 22679), (606, 22751), (627, 22868), (657, 23015), (671, 23096), (682, 23171), (689, 23243),

Gene: Antsirabe_22 Start: 20760, Stop: 23216, Start Num: 39

Candidate Starts for Antsirabe_22:

(Start: 39 @20760 has 9 MA's), (69, 20850), (73, 20865), (76, 20868), (145, 20988), (170, 21063), (225, 21222), (252, 21339), (330, 21561), (349, 21612), (378, 21720), (380, 21729), (385, 21759), (387, 21771), (396, 21795), (402, 21816), (461, 22083), (465, 22098), (467, 22104), (486, 22179), (501, 22251), (504, 22266), (529, 22374), (536, 22413), (575, 22548), (586, 22590), (588, 22605), (591, 22617), (612, 22716), (633, 22854), (664, 23010), (686, 23154), (689, 23196),

Gene: Apocalypse_27 Start: 20849, Stop: 23281, Start Num: 88

Candidate Starts for Apocalypse_27:

(Start: 88 @20849 has 96 MA's), (112, 20906), (137, 20948), (223, 21209), (230, 21230), (273, 21437), (283, 21470), (289, 21500), (320, 21572), (329, 21596), (345, 21641), (381, 21794), (388, 21839), (391, 21851), (395, 21860), (410, 21911), (446, 22091), (450, 22106), (466, 22175), (469, 22187), (486, 22250), (494, 22292), (504, 22331), (505, 22337), (506, 22346), (510, 22367), (525, 22427), (534, 22460), (536, 22475), (537, 22478), (555, 22550), (563, 22586), (584, 22658), (586, 22667), (591, 22688), (606, 22760), (611, 22781), (627, 22877), (671, 23105), (689, 23252),

Gene: Applejack_31 Start: 24096, Stop: 25949, Start Num: 264

Candidate Starts for Applejack_31:

(Start: 264 @24096 has 216 MA's), (287, 24177), (313, 24243), (343, 24312), (360, 24360), (368, 24387), (385, 24465), (397, 24501), (410, 24540), (417, 24573), (426, 24624), (491, 24879), (526, 25053), (546, 25140), (587, 25296), (599, 25356), (640, 25527), (653, 25569), (661, 25611), (696, 25833), (704, 25890),

Gene: Arcanine_32 Start: 23849, Stop: 25702, Start Num: 264

Candidate Starts for Arcanine_32:

(Start: 264 @23849 has 216 MA's), (287, 23930), (313, 23996), (343, 24065), (360, 24113), (368, 24140), (385, 24218), (397, 24254), (410, 24293), (417, 24326), (426, 24377), (491, 24632), (526, 24806), (546, 24893), (587, 25049), (625, 25235), (640, 25280), (653, 25322), (661, 25364), (696, 25586), (699, 25607), (704, 25643),

Gene: ArcusAngelus_18 Start: 17438, Stop: 19975, Start Num: 45

Candidate Starts for ArcusAngelus_18:

(Start: 45 @17438 has 236 MA's), (54, 17459), (Start: 61 @17480 has 1 MA's), (74, 17519), (109, 17588), (118, 17597), (120, 17600), (127, 17618), (149, 17651), (154, 17666), (207, 17825), (208, 17828), (222, 17858), (228, 17873), (246, 17951), (251, 17972), (252, 17975), (265, 18041), (284, 18116), (286, 18122), (298, 18164), (300, 18170), (301, 18173), (314, 18206), (316, 18212), (327, 18242), (336, 18263), (345, 18293), (348, 18302), (377, 18410), (380, 18422), (381, 18431), (382, 18434), (383, 18443), (384, 18449), (387, 18464), (389, 18467), (397, 18488), (410, 18530), (417, 18563), (448, 18704), (449, 18710), (462, 18764), (463, 18767), (474, 18794), (489, 18854), (491, 18869), (493, 18881), (494, 18884), (507, 18950), (512, 18974), (515, 18995), (517, 19004), (534, 19064), (535, 19067), (543, 19103), (546, 19121), (551, 19133), (554, 19142), (560, 19169), (580, 19238), (584, 19256), (586, 19265), (587, 19277), (593, 19313), (600, 19343), (620, 19424), (627, 19478), (638, 19538), (644, 19580), (663, 19658), (674, 19715), (678, 19739), (685, 19793), (689,

19841), (699, 19883), (700, 19907), (701, 19910),

Gene: Ardmore_18 Start: 17447, Stop: 19984, Start Num: 45

Candidate Starts for Ardmore_18:

(41, 17435), (Start: 45 @17447 has 236 MA's), (54, 17468), (Start: 61 @17489 has 1 MA's), (74, 17528), (109, 17597), (118, 17606), (120, 17609), (127, 17627), (149, 17660), (154, 17675), (168, 17723), (207, 17834), (208, 17837), (222, 17867), (227, 17879), (228, 17882), (246, 17960), (252, 17984), (265, 18050), (275, 18095), (284, 18125), (286, 18131), (288, 18149), (298, 18173), (301, 18182), (314, 18215), (316, 18221), (327, 18251), (343, 18290), (345, 18302), (348, 18311), (353, 18326), (354, 18329), (381, 18440), (382, 18443), (383, 18452), (384, 18458), (387, 18473), (389, 18476), (397, 18497), (407, 18527), (410, 18539), (417, 18572), (441, 18683), (442, 18686), (448, 18713), (449, 18719), (462, 18773), (463, 18776), (491, 18878), (493, 18890), (494, 18893), (507, 18959), (512, 18983), (515, 19004), (517, 19013), (534, 19073), (535, 19076), (543, 19112), (546, 19130), (551, 19142), (554, 19151), (560, 19178), (580, 19247), (584, 19265), (586, 19274), (587, 19286), (593, 19322), (600, 19352), (607, 19373), (620, 19433), (627, 19487), (638, 19547), (644, 19589), (674, 19724), (678, 19748), (685, 19802), (689, 19850), (699, 19892), (700, 19916), (701, 19919),

Gene: Argent26_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for Argent26_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (267, 22760), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: Ariel_36 Start: 27338, Stop: 29845, Start Num: 45

Candidate Starts for Ariel_36:

(Start: 45 @27338 has 236 MA's), (127, 27533), (149, 27569), (154, 27584), (186, 27671), (190, 27686), (230, 27761), (233, 27773), (241, 27800), (262, 27905), (272, 27944), (275, 27953), (284, 27977), (286, 27983), (288, 28001), (296, 28019), (301, 28034), (304, 28043), (307, 28052), (314, 28067), (323, 28094), (327, 28103), (343, 28142), (345, 28154), (348, 28163), (372, 28247), (389, 28328), (399, 28358), (400, 28361), (410, 28391), (416, 28418), (418, 28427), (428, 28478), (430, 28487), (432, 28490), (440, 28526), (444, 28547), (452, 28583), (492, 28736), (504, 28790), (512, 28835), (514, 28853), (515, 28856), (526, 28895), (559, 29042), (561, 29051), (581, 29120), (584, 29135), (620, 29300), (631, 29387), (641, 29435), (656, 29486), (669, 29564), (702, 29786), (704, 29789), (708, 29816),

Gene: Arlo_30 Start: 23725, Stop: 25578, Start Num: 264

Candidate Starts for Arlo_30:

(Start: 264 @23725 has 216 MA's), (287, 23806), (313, 23872), (343, 23941), (360, 23989), (368, 24016), (385, 24094), (397, 24130), (410, 24169), (417, 24202), (426, 24253), (491, 24508), (526, 24682), (546, 24769), (587, 24925), (640, 25156), (653, 25198), (661, 25240), (696, 25462), (704, 25519),

Gene: Asayake_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Asayake_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Ashballer_33 Start: 24849, Stop: 26702, Start Num: 264

Candidate Starts for Ashballer_33:

(Start: 264 @24849 has 216 MA's), (287, 24930), (313, 24996), (343, 25065), (360, 25113), (368, 25140), (385, 25218), (397, 25254), (417, 25326), (491, 25632), (526, 25806), (546, 25893), (587, 26049), (625, 26235), (640, 26280), (653, 26322), (661, 26364), (696, 26586), (704, 26643),

Gene: Ashwin_60 Start: 36580, Stop: 39090, Start Num: 66

Candidate Starts for Ashwin_60:

(Start: 66 @36580 has 33 MA's), (73, 36613), (105, 36682), (106, 36685), (119, 36709), (130, 36733), (144, 36757), (155, 36790), (211, 36997), (217, 37009), (218, 37012), (255, 37159), (259, 37189), (265, 37213), (272, 37243), (273, 37246), (281, 37273), (288, 37297), (300, 37327), (320, 37384), (343, 37444), (345, 37456), (353, 37480), (354, 37483), (366, 37525), (387, 37621), (389, 37624), (453, 37879), (491, 38023), (504, 38083), (514, 38155), (515, 38158), (540, 38254), (584, 38428), (587, 38449), (610, 38542), (613, 38554), (627, 38644), (653, 38719), (662, 38764), (693, 38965), (700, 39019), (704, 39034),

Gene: Asriel_25 Start: 21152, Stop: 23548, Start Num: 81

Candidate Starts for Asriel_25:

(Start: 81 @21152 has 128 MA's), (163, 21329), (171, 21350), (238, 21497), (267, 21638), (274, 21671), (284, 21704), (292, 21740), (327, 21833), (348, 21893), (354, 21911), (376, 21992), (432, 22220), (441, 22265), (491, 22460), (492, 22466), (494, 22475), (504, 22520), (506, 22535), (543, 22691), (546, 22709), (549, 22718), (563, 22772), (584, 22847), (585, 22850), (626, 23060), (628, 23072), (656, 23186), (689, 23402), (701, 23486), (706, 23510), (708, 23519),

Gene: Atiba_27 Start: 20841, Stop: 23273, Start Num: 88

Candidate Starts for Atiba_27:

(Start: 88 @20841 has 96 MA's), (137, 20940), (223, 21201), (230, 21222), (273, 21429), (283, 21462), (289, 21492), (320, 21564), (329, 21588), (345, 21633), (381, 21786), (388, 21831), (391, 21843), (395, 21852), (410, 21903), (446, 22083), (450, 22098), (466, 22167), (469, 22179), (494, 22284), (504, 22323), (505, 22329), (506, 22338), (525, 22419), (536, 22467), (555, 22542), (563, 22578), (584, 22650), (586, 22659), (591, 22680), (611, 22773), (627, 22869), (657, 23016), (662, 23058), (671, 23097), (682, 23172),

Gene: Atkinbua_33 Start: 24549, Stop: 26402, Start Num: 264

Candidate Starts for Atkinbua_33:

(Start: 264 @24549 has 216 MA's), (287, 24630), (313, 24696), (343, 24765), (360, 24813), (368, 24840), (385, 24918), (397, 24954), (417, 25026), (491, 25332), (526, 25506), (546, 25593), (587, 25749), (625, 25935), (640, 25980), (653, 26022), (661, 26064), (696, 26286), (704, 26343),

Gene: Aubs_18 Start: 17557, Stop: 20094, Start Num: 45

Candidate Starts for Aubs_18:

(Start: 45 @17557 has 236 MA's), (54, 17578), (Start: 61 @17599 has 1 MA's), (72, 17635), (74, 17638), (109, 17707), (118, 17716), (120, 17719), (127, 17737), (149, 17770), (154, 17785), (168, 17833), (204, 17938), (207, 17944), (208, 17947), (227, 17989), (228, 17992), (252, 18094), (265, 18160), (275, 18205), (284, 18235), (286, 18241), (288, 18259), (298, 18283), (301, 18292), (314, 18325), (316, 18331), (336, 18382), (343, 18400), (345, 18412), (348, 18421), (353, 18436), (355, 18442), (381, 18550), (382, 18553), (383, 18562), (384, 18568), (387, 18583), (389, 18586), (397, 18607), (407, 18637), (410, 18649), (417, 18682), (432, 18748), (441, 18793), (442, 18796), (448, 18823), (449, 18829), (462, 18883), (463, 18886), (474, 18913), (491, 18988), (493, 19000), (494, 19003), (507, 19069), (512, 19093), (517, 19123), (529, 19165), (534, 19183), (535, 19186), (543, 19222), (546, 19240), (554, 19261), (560, 19288), (580, 19357), (584, 19375), (586, 19384), (587, 19396), (593, 19432), (607, 19483), (612, 19501), (620, 19543), (627, 19597), (644, 19699), (663,

19777), (674, 19834), (678, 19858), (685, 19912), (689, 19960), (700, 20026), (701, 20029),

Gene: Avani_24 Start: 17093, Stop: 19642, Start Num: 29

Candidate Starts for Avani_24:

(26, 17084), (Start: 29 @17093 has 7 MA's), (Start: 45 @17153 has 236 MA's), (58, 17186), (59, 17189), (90, 17258), (102, 17288), (186, 17468), (190, 17483), (208, 17519), (212, 17525), (213, 17528), (226, 17546), (230, 17558), (233, 17570), (240, 17594), (241, 17597), (272, 17741), (275, 17750), (284, 17774), (288, 17798), (298, 17822), (300, 17828), (307, 17849), (308, 17852), (316, 17870), (327, 17900), (339, 17930), (345, 17951), (372, 18044), (376, 18059), (377, 18068), (381, 18089), (382, 18092), (392, 18134), (407, 18176), (408, 18179), (410, 18188), (416, 18215), (418, 18224), (424, 18263), (430, 18284), (432, 18287), (440, 18323), (444, 18344), (462, 18422), (463, 18425), (482, 18479), (493, 18539), (510, 18626), (512, 18632), (515, 18653), (526, 18689), (539, 18743), (541, 18752), (559, 18830), (563, 18848), (575, 18884), (576, 18887), (580, 18905), (581, 18908), (584, 18923), (593, 18980), (596, 18992), (620, 19088), (631, 19175), (641, 19223), (643, 19247), (651, 19274), (656, 19283), (662, 19322), (669, 19361), (674, 19385), (677, 19406), (689, 19502), (694, 19523), (702, 19583), (704, 19586), (708, 19613),

Gene: Avocado_22 Start: 20763, Stop: 23240, Start Num: 39

Candidate Starts for Avocado_22:

(Start: 39 @20763 has 9 MA's), (76, 20871), (121, 20961), (162, 21051), (225, 21228), (252, 21345), (273, 21444), (314, 21525), (330, 21567), (342, 21591), (349, 21618), (350, 21621), (354, 21633), (376, 21714), (385, 21765), (420, 21894), (422, 21906), (448, 22032), (461, 22092), (465, 22107), (467, 22113), (484, 22182), (529, 22383), (586, 22614), (612, 22740), (664, 23034), (674, 23085), (686, 23178),

Gene: Awesomesauce_19 Start: 17268, Stop: 19793, Start Num: 45

Candidate Starts for Awesomesauce_19:

(Start: 45 @17268 has 236 MA's), (54, 17289), (Start: 61 @17310 has 1 MA's), (74, 17349), (109, 17418), (118, 17427), (120, 17430), (127, 17448), (149, 17481), (154, 17496), (168, 17544), (207, 17655), (208, 17658), (228, 17703), (246, 17781), (252, 17805), (265, 17871), (275, 17916), (284, 17946), (286, 17952), (288, 17970), (298, 17994), (301, 18003), (314, 18036), (316, 18042), (327, 18072), (343, 18111), (345, 18123), (348, 18132), (353, 18147), (354, 18150), (389, 18297), (407, 18348), (431, 18459), (442, 18510), (447, 18534), (474, 18627), (485, 18672), (488, 18681), (491, 18702), (493, 18714), (494, 18717), (504, 18762), (512, 18807), (514, 18825), (515, 18828), (529, 18879), (541, 18930), (543, 18936), (546, 18954), (551, 18966), (554, 18975), (561, 19008), (584, 19089), (596, 19158), (605, 19185), (611, 19212), (621, 19263), (627, 19311), (677, 19554), (689, 19659), (694, 19680), (703, 19734), (707, 19758),

Gene: Azrael100_42 Start: 28340, Stop: 30907, Start Num: 36

Candidate Starts for Azrael100_42:

(Start: 36 @28340 has 6 MA's), (55, 28409), (100, 28532), (103, 28538), (104, 28541), (120, 28565), (129, 28586), (191, 28742), (193, 28748), (197, 28754), (216, 28784), (218, 28790), (226, 28811), (232, 28820), (245, 28880), (261, 28958), (286, 29057), (293, 29090), (300, 29105), (301, 29108), (316, 29147), (336, 29198), (343, 29216), (348, 29237), (350, 29243), (359, 29270), (365, 29297), (381, 29366), (386, 29390), (392, 29411), (399, 29432), (403, 29441), (410, 29462), (417, 29495), (418, 29498), (428, 29549), (445, 29627), (450, 29645), (458, 29684), (491, 29801), (501, 29846), (511, 29903), (515, 29927), (517, 29936), (522, 29954), (534, 29999), (541, 30032), (548, 30068), (592, 30242), (593, 30260), (595, 30266), (611, 30323), (672, 30647), (675, 30665), (683, 30716), (690, 30779), (704, 30854),

Gene: BAKA_36 Start: 29892, Stop: 32447, Start Num: 45

Candidate Starts for BAKA_36:

(Start: 45 @29892 has 236 MA's), (127, 30087), (149, 30123), (154, 30138), (168, 30186), (207, 30297), (208, 30300), (222, 30330), (228, 30345), (246, 30423), (252, 30447), (265, 30513), (275, 30558), (284, 30588), (286, 30594), (288, 30612), (298, 30636), (301, 30645), (314, 30678), (316, 30684), (327, 30714), (343, 30753), (345, 30765), (348, 30774), (353, 30789), (354, 30792), (381, 30903), (382, 30906), (383, 30915), (384, 30921), (387, 30936), (389, 30939), (397, 30960), (407, 30990), (410, 31002), (417, 31035), (432, 31101), (441, 31146), (442, 31149), (448, 31176), (449, 31182), (462, 31236), (463, 31239), (489, 31326), (491, 31341), (493, 31353), (494, 31356), (507, 31422), (515, 31467), (517, 31476), (534, 31536), (535, 31539), (543, 31575), (546, 31593), (551, 31605), (554, 31614), (560, 31641), (580, 31710), (584, 31728), (586, 31737), (587, 31749), (593, 31785), (600, 31815), (607, 31836), (614, 31860), (620, 31896), (627, 31950), (638, 32010), (644, 32052), (674, 32187), (678, 32211), (685, 32265), (689, 32313), (699, 32355), (700, 32379), (701, 32382),

Gene: BEEST_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for BEEST_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: BGlluviae_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for BGlluviae_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: BK1_29 Start: 23660, Stop: 25513, Start Num: 264

Candidate Starts for BK1_29:

(Start: 264 @23660 has 216 MA's), (287, 23741), (313, 23807), (343, 23876), (360, 23924), (368, 23951), (385, 24029), (397, 24065), (491, 24443), (526, 24617), (546, 24704), (587, 24860), (640, 25091), (653, 25133), (661, 25175), (696, 25397), (699, 25418), (704, 25454),

Gene: BPBiebs31_32 Start: 24420, Stop: 26273, Start Num: 264

Candidate Starts for BPBiebs31_32:

(Start: 264 @24420 has 216 MA's), (287, 24501), (313, 24567), (343, 24636), (360, 24684), (368, 24711), (377, 24747), (385, 24789), (397, 24825), (417, 24897), (491, 25203), (509, 25305), (526, 25377), (546, 25464), (587, 25620), (599, 25680), (625, 25806), (640, 25851), (653, 25893), (661, 25935), (696, 26157), (699, 26178), (704, 26214),

Gene: BaboJay_25 Start: 21834, Stop: 24230, Start Num: 81

Candidate Starts for BaboJay_25:

(Start: 81 @21834 has 128 MA's), (163, 22011), (171, 22032), (238, 22179), (267, 22320), (274, 22353), (284, 22386), (292, 22422), (327, 22515), (348, 22575), (354, 22593), (385, 22725), (399, 22770), (432, 22902), (441, 22947), (488, 23121), (491, 23142), (500, 23181), (504, 23202), (506, 23217), (541, 23367), (543, 23373), (546, 23391), (561, 23445), (584, 23529), (605, 23622), (656, 23868), (689, 24084), (701, 24168), (708, 24201),

Gene: BaconJack_34 Start: 24618, Stop: 26471, Start Num: 264

Candidate Starts for BaconJack_34:

(Start: 264 @24618 has 216 MA's), (287, 24699), (313, 24765), (343, 24834), (360, 24882), (368, 24909), (377, 24945), (385, 24987), (397, 25023), (417, 25095), (491, 25401), (509, 25503), (526, 25575), (546, 25662), (587, 25818), (640, 26049), (653, 26091), (661, 26133), (696, 26355), (704, 26412),

Gene: BadStone_25 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for BadStone_25:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (376, 23123), (432, 23351), (441, 23396), (491, 23591), (492, 23597), (494, 23606), (504, 23651), (506, 23666), (543, 23822), (546, 23840), (549, 23849), (563, 23903), (584, 23978), (585, 23981), (626, 24191), (628, 24203), (656, 24317), (689, 24533), (701, 24617), (706, 24641), (708, 24650),

Gene: BaghaKamala_27 Start: 20841, Stop: 23273, Start Num: 88

Candidate Starts for BaghaKamala_27:

(Start: 88 @20841 has 96 MA's), (137, 20940), (223, 21201), (230, 21222), (273, 21429), (283, 21462), (289, 21492), (320, 21564), (329, 21588), (381, 21786), (388, 21831), (391, 21843), (395, 21852), (410, 21903), (446, 22083), (450, 22098), (466, 22167), (469, 22179), (486, 22242), (494, 22284), (504, 22323), (505, 22329), (506, 22338), (510, 22359), (525, 22419), (554, 22536), (563, 22578), (584, 22650), (586, 22659), (591, 22680), (606, 22752), (611, 22773), (627, 22869), (657, 23016), (671, 23097), (689, 23244),

Gene: Bagrid_38 Start: 29660, Stop: 31588, Start Num: 258

Candidate Starts for Bagrid_38:

(Start: 258 @29660 has 23 MA's), (318, 29855), (377, 30023), (389, 30080), (403, 30119), (411, 30149), (424, 30215), (477, 30413), (491, 30479), (501, 30524), (512, 30584), (551, 30743), (599, 30950), (644, 31193), (653, 31214), (665, 31274), (675, 31328), (684, 31394), (688, 31433), (704, 31532),

Gene: Balomoji_25 Start: 22017, Stop: 24413, Start Num: 81

Candidate Starts for Balomoji_25:

(Start: 81 @22017 has 128 MA's), (163, 22194), (171, 22215), (238, 22362), (267, 22503), (274, 22536), (284, 22569), (292, 22605), (327, 22698), (348, 22758), (354, 22776), (376, 22857), (432, 23085), (441, 23130), (491, 23325), (492, 23331), (494, 23340), (504, 23385), (506, 23400), (543, 23556), (546, 23574), (549, 23583), (563, 23637), (584, 23712), (585, 23715), (626, 23925), (628, 23937), (656, 24051), (689, 24267), (701, 24351), (706, 24375), (708, 24384),

Gene: Barbarian_25 Start: 21152, Stop: 23548, Start Num: 81

Candidate Starts for Barbarian_25:

(Start: 81 @21152 has 128 MA's), (163, 21329), (171, 21350), (238, 21497), (267, 21638), (274, 21671), (284, 21704), (292, 21740), (327, 21833), (348, 21893), (354, 21911), (376, 21992), (432, 22220), (441, 22265), (491, 22460), (492, 22466), (494, 22475), (504, 22520), (506, 22535), (543, 22691), (546, 22709), (549, 22718), (563, 22772), (584, 22847), (585, 22850), (626, 23060), (628, 23072), (656, 23186), (689, 23402), (701, 23486), (706, 23510), (708, 23519),

Gene: Barnyard_36 Start: 26772, Stop: 29858, Start Num: 2

Candidate Starts for Barnyard_36:

(1, 26745), (Start: 2 @26772 has 2 MA's), (3, 26775), (4, 26895), (5, 26907), (6, 26925), (7, 26928), (8, 26982), (9, 26991), (11, 27012), (16, 27084), (17, 27120), (Start: 20 @27195 has 1 MA's), (28, 27273), (32, 27282), (34, 27288), (38, 27315), (76, 27432), (94, 27483), (95, 27486), (110, 27516), (124, 27540), (135, 27558), (175, 27690), (180, 27702), (203, 27783), (243, 27933), (261, 28017), (270, 28053), (285, 28107), (286, 28110), (292, 28128), (307, 28146), (322, 28182), (350, 28263), (367,

28323), (372, 28341), (380, 28377), (387, 28419), (392, 28431), (401, 28461), (407, 28473), (409, 28482), (424, 28557), (442, 28644), (467, 28752), (480, 28797), (484, 28818), (494, 28866), (503, 28905), (505, 28917), (508, 28941), (509, 28947), (515, 28977), (529, 29019), (531, 29037), (536, 29058), (542, 29079), (545, 29100), (551, 29118), (554, 29127), (565, 29181), (574, 29190), (586, 29232), (605, 29325), (613, 29358), (630, 29478), (636, 29505), (653, 29598), (664, 29652), (686, 29796),

Gene: BarrelRoll_27 Start: 20864, Stop: 23296, Start Num: 88

Candidate Starts for BarrelRoll_27:

(Start: 88 @20864 has 96 MA's), (137, 20963), (223, 21224), (230, 21245), (273, 21452), (283, 21485), (289, 21515), (320, 21587), (329, 21611), (381, 21809), (388, 21854), (391, 21866), (395, 21875), (410, 21926), (446, 22106), (450, 22121), (466, 22190), (469, 22202), (486, 22265), (494, 22307), (504, 22346), (505, 22352), (506, 22361), (510, 22382), (525, 22442), (554, 22559), (563, 22601), (584, 22673), (586, 22682), (591, 22703), (606, 22775), (611, 22796), (627, 22892), (657, 23039), (671, 23120), (689, 23267),

Gene: Barriga_31 Start: 23951, Stop: 25804, Start Num: 264

Candidate Starts for Barriga_31:

(Start: 264 @23951 has 216 MA's), (287, 24032), (313, 24098), (343, 24167), (360, 24215), (368, 24242), (385, 24320), (397, 24356), (491, 24734), (511, 24845), (526, 24908), (546, 24995), (587, 25151), (640, 25382), (653, 25424), (661, 25466), (696, 25688), (699, 25709), (704, 25745),

Gene: BarrowTuph_30 Start: 23972, Stop: 25813, Start Num: 264

Candidate Starts for BarrowTuph_30:

(Start: 264 @23972 has 216 MA's), (287, 24053), (313, 24119), (343, 24188), (360, 24236), (368, 24263), (377, 24299), (385, 24341), (397, 24377), (417, 24449), (491, 24755), (526, 24929), (546, 25016), (584, 25151), (587, 25172), (640, 25403), (653, 25445), (661, 25487), (704, 25754),

Gene: Bask21_26 Start: 21463, Stop: 23859, Start Num: 81

Candidate Starts for Bask21_26:

(Start: 81 @21463 has 128 MA's), (163, 21640), (171, 21661), (238, 21808), (267, 21949), (274, 21982), (284, 22015), (292, 22051), (327, 22144), (348, 22204), (354, 22222), (376, 22303), (432, 22531), (441, 22576), (491, 22771), (492, 22777), (494, 22786), (504, 22831), (506, 22846), (543, 23002), (546, 23020), (549, 23029), (584, 23158), (585, 23161), (626, 23371), (628, 23383), (656, 23497), (689, 23713), (701, 23797), (706, 23821), (708, 23830),

Gene: Batiatus_18 Start: 17448, Stop: 19985, Start Num: 45

Candidate Starts for Batiatus_18:

(41, 17436), (Start: 45 @17448 has 236 MA's), (54, 17469), (Start: 61 @17490 has 1 MA's), (74, 17529), (109, 17598), (118, 17607), (120, 17610), (127, 17628), (149, 17661), (154, 17676), (168, 17724), (207, 17835), (208, 17838), (222, 17868), (227, 17880), (228, 17883), (246, 17961), (252, 17985), (265, 18051), (275, 18096), (284, 18126), (286, 18132), (288, 18150), (298, 18174), (301, 18183), (314, 18216), (316, 18222), (327, 18252), (343, 18291), (345, 18303), (348, 18312), (353, 18327), (354, 18330), (381, 18441), (382, 18444), (383, 18453), (384, 18459), (387, 18474), (389, 18477), (397, 18498), (407, 18528), (410, 18540), (417, 18573), (441, 18684), (442, 18687), (448, 18714), (449, 18720), (462, 18774), (463, 18777), (489, 18864), (491, 18879), (493, 18891), (494, 18894), (507, 18960), (512, 18984), (515, 19005), (517, 19014), (534, 19074), (535, 19077), (543, 19113), (546, 19131), (551, 19143), (554, 19152), (560, 19179), (580, 19248), (584, 19266), (586, 19275), (587, 19287), (593, 19323), (600, 19353), (607, 19374), (614, 19398), (620, 19434), (627, 19488), (638, 19548), (644, 19590), (663, 19668), (674, 19725), (678, 19749), (685, 19803), (689, 19851), (699, 19893), (700, 19917), (701, 19920),

Gene: Beakin_19 Start: 17255, Stop: 19786, Start Num: 45

Candidate Starts for Beakin_19:

(41, 17243), (Start: 45 @17255 has 236 MA's), (54, 17276), (Start: 61 @17297 has 1 MA's), (74, 17336), (109, 17405), (118, 17414), (120, 17417), (127, 17435), (149, 17468), (154, 17483), (168, 17525), (207, 17636), (208, 17639), (222, 17669), (228, 17684), (246, 17762), (252, 17786), (265, 17852), (275, 17897), (284, 17927), (286, 17933), (288, 17951), (298, 17975), (301, 17984), (314, 18017), (316, 18023), (327, 18053), (343, 18092), (345, 18104), (348, 18113), (353, 18128), (354, 18131), (381, 18242), (382, 18245), (383, 18254), (384, 18260), (387, 18275), (389, 18278), (397, 18299), (407, 18329), (410, 18341), (417, 18374), (432, 18440), (441, 18485), (442, 18488), (448, 18515), (449, 18521), (462, 18575), (463, 18578), (489, 18665), (491, 18680), (493, 18692), (494, 18695), (507, 18761), (512, 18785), (515, 18806), (517, 18815), (534, 18875), (535, 18878), (543, 18914), (546, 18932), (554, 18953), (560, 18980), (580, 19049), (584, 19067), (586, 19076), (587, 19088), (593, 19124), (607, 19175), (612, 19193), (620, 19235), (627, 19289), (644, 19391), (663, 19469), (674, 19526), (678, 19550), (685, 19604), (689, 19652), (700, 19718), (701, 19721),

Gene: Beanstalk_20 Start: 17400, Stop: 19937, Start Num: 45

Candidate Starts for Beanstalk_20:

(Start: 45 @17400 has 236 MA's), (54, 17421), (Start: 61 @17442 has 1 MA's), (74, 17481), (109, 17550), (118, 17559), (120, 17562), (127, 17580), (149, 17613), (154, 17628), (204, 17781), (208, 17790), (228, 17835), (251, 17934), (252, 17937), (265, 18003), (284, 18078), (286, 18084), (288, 18102), (298, 18126), (301, 18135), (314, 18168), (316, 18174), (327, 18204), (343, 18243), (345, 18255), (348, 18264), (353, 18279), (354, 18282), (381, 18393), (382, 18396), (383, 18405), (384, 18411), (387, 18426), (389, 18429), (397, 18450), (407, 18480), (410, 18492), (417, 18525), (441, 18636), (442, 18639), (448, 18666), (449, 18672), (462, 18726), (463, 18729), (489, 18816), (491, 18831), (493, 18843), (494, 18846), (507, 18912), (512, 18936), (515, 18957), (517, 18966), (534, 19026), (535, 19029), (546, 19083), (551, 19095), (554, 19104), (560, 19131), (578, 19188), (580, 19200), (584, 19218), (586, 19227), (587, 19239), (593, 19275), (600, 19305), (607, 19326), (614, 19350), (620, 19386), (627, 19440), (638, 19500), (644, 19542), (674, 19677), (678, 19701), (685, 19755), (689, 19803), (699, 19845), (700, 19869), (701, 19872),

Gene: Beatrix_31 Start: 25533, Stop: 27386, Start Num: 264

Candidate Starts for Beatrix_31:

(Start: 264 @25533 has 216 MA's), (287, 25614), (313, 25680), (343, 25749), (344, 25752), (360, 25797), (368, 25824), (377, 25860), (385, 25902), (397, 25938), (417, 26010), (491, 26316), (526, 26490), (546, 26577), (587, 26733), (640, 26964), (653, 27006), (661, 27048), (696, 27270), (699, 27291), (704, 27327),

Gene: Beckerton_29 Start: 26219, Stop: 29062, Start Num: 13

Candidate Starts for Beckerton_29:

(Start: 13 @26219 has 8 MA's), (Start: 20 @26351 has 1 MA's), (21, 26363), (22, 26372), (33, 26441), (35, 26447), (51, 26507), (57, 26528), (71, 26576), (89, 26618), (98, 26642), (115, 26675), (134, 26711), (142, 26723), (177, 26816), (197, 26873), (220, 26912), (254, 27038), (267, 27107), (273, 27137), (286, 27179), (301, 27230), (336, 27320), (343, 27338), (365, 27419), (376, 27458), (380, 27479), (417, 27617), (423, 27656), (440, 27719), (463, 27821), (514, 28046), (603, 28409), (610, 28436), (658, 28679), (661, 28712), (666, 28736), (684, 28856), (695, 28934), (711, 29021), (714, 29036), (715, 29042),

Gene: Becksu_26 Start: 22467, Stop: 24863, Start Num: 81

Candidate Starts for Becksu_26:

(Start: 81 @22467 has 128 MA's), (163, 22644), (171, 22665), (238, 22812), (267, 22953), (274, 22986), (284, 23019), (292, 23055), (327, 23148), (348, 23208), (354, 23226), (385, 23358), (399, 23403), (432, 23535), (441, 23580), (456, 23640), (488, 23754), (491, 23775), (500, 23814), (504, 23835), (506, 23850), (541, 24000), (543, 24006), (546, 24024), (561, 24078), (584, 24162), (605, 24255), (656, 24501), (689, 24717), (701, 24801), (708, 24834),

Gene: Beem_39 Start: 30226, Stop: 32154, Start Num: 258

Candidate Starts for Beem_39:

(Start: 258 @30226 has 23 MA's), (318, 30421), (377, 30589), (389, 30646), (403, 30685), (411, 30715), (424, 30781), (477, 30979), (491, 31045), (501, 31090), (512, 31150), (551, 31309), (599, 31516), (644, 31759), (653, 31780), (665, 31840), (675, 31894), (684, 31960), (688, 31999), (704, 32098),

Gene: BeesKnees_32 Start: 24150, Stop: 26003, Start Num: 264

Candidate Starts for BeesKnees_32:

(Start: 264 @24150 has 216 MA's), (266, 24168), (287, 24231), (313, 24297), (343, 24366), (360, 24414), (368, 24441), (377, 24477), (385, 24519), (397, 24555), (417, 24627), (491, 24933), (526, 25107), (546, 25194), (587, 25350), (625, 25536), (640, 25581), (653, 25623), (661, 25665), (696, 25887), (704, 25944),

Gene: Beezoo_27 Start: 20888, Stop: 23320, Start Num: 88

Candidate Starts for Beezoo_27:

(Start: 88 @20888 has 96 MA's), (137, 20987), (223, 21248), (230, 21269), (273, 21476), (283, 21509), (289, 21539), (306, 21578), (320, 21611), (329, 21635), (345, 21680), (381, 21833), (388, 21878), (391, 21890), (395, 21899), (410, 21950), (446, 22130), (450, 22145), (466, 22214), (469, 22226), (486, 22289), (494, 22331), (504, 22370), (505, 22376), (506, 22385), (510, 22406), (525, 22466), (554, 22583), (584, 22697), (586, 22706), (591, 22727), (606, 22799), (611, 22820), (627, 22916), (671, 23144), (689, 23291),

Gene: Bella96_27 Start: 20822, Stop: 23254, Start Num: 88

Candidate Starts for Bella96_27:

(Start: 81 @20804 has 128 MA's), (Start: 88 @20822 has 96 MA's), (107, 20870), (137, 20921), (223, 21182), (230, 21203), (283, 21443), (289, 21473), (291, 21476), (329, 21569), (334, 21581), (345, 21614), (381, 21767), (391, 21824), (395, 21833), (410, 21884), (446, 22064), (450, 22079), (466, 22148), (469, 22160), (480, 22196), (486, 22223), (494, 22265), (504, 22304), (505, 22310), (506, 22319), (510, 22340), (525, 22400), (534, 22433), (536, 22448), (554, 22517), (563, 22559), (584, 22631), (586, 22640), (591, 22661), (606, 22733), (627, 22850), (657, 22997), (671, 23078), (682, 23153), (689, 23225),

Gene: Belladonna_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Belladonna_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Bench_28 Start: 22144, Stop: 24540, Start Num: 81

Candidate Starts for Bench_28:

(Start: 81 @22144 has 128 MA's), (163, 22321), (171, 22342), (238, 22489), (274, 22663), (284, 22696), (292, 22732), (327, 22825), (348, 22885), (354, 22903), (385, 23035), (399, 23080), (432, 23212), (441, 23257), (456, 23317), (488, 23431), (491, 23452), (500, 23491), (504, 23512), (506, 23527), (541, 23677), (543, 23683), (546, 23701), (561, 23755), (584, 23839), (605, 23932), (656, 24178), (689, 24394), (701, 24478), (708, 24511),

Gene: Bern_27 Start: 20832, Stop: 23264, Start Num: 88

Candidate Starts for Bern_27:

(Start: 88 @20832 has 96 MA's), (108, 20883), (114, 20892), (137, 20931), (223, 21192), (230, 21213), (282, 21450), (283, 21453), (289, 21483), (291, 21486), (294, 21498), (320, 21555), (329, 21579), (330, 21585), (345, 21624), (381, 21777), (388, 21822), (391, 21834), (395, 21843), (406, 21879), (410, 21894), (446, 22074), (450, 22089), (466, 22158), (486, 22233), (494, 22275), (504, 22314), (505, 22320), (506, 22329), (510, 22350), (512, 22356), (525, 22410), (534, 22443), (536, 22458), (554, 22527), (555, 22533), (563, 22569), (586, 22650), (596, 22707), (606, 22743), (611, 22764), (627, 22860), (646, 22971), (671, 23088), (682, 23163), (689, 23235),

Gene: Bethlehem_31 Start: 25376, Stop: 27229, Start Num: 264

Candidate Starts for Bethlehem_31:

(Start: 264 @25376 has 216 MA's), (287, 25457), (313, 25523), (343, 25592), (360, 25640), (368, 25667), (385, 25745), (397, 25781), (417, 25853), (491, 26159), (526, 26333), (546, 26420), (587, 26576), (640, 26807), (653, 26849), (661, 26891), (696, 27113), (699, 27134), (704, 27170),

Gene: Big3_31 Start: 24731, Stop: 26584, Start Num: 264

Candidate Starts for Big3_31:

(Start: 264 @24731 has 216 MA's), (287, 24812), (313, 24878), (343, 24947), (360, 24995), (368, 25022), (385, 25100), (417, 25208), (491, 25514), (526, 25688), (546, 25775), (587, 25931), (625, 26117), (640, 26162), (653, 26204), (661, 26246), (696, 26468), (699, 26489), (704, 26525),

Gene: BigBubba_27 Start: 22047, Stop: 24443, Start Num: 81

Candidate Starts for BigBubba_27:

(Start: 81 @22047 has 128 MA's), (163, 22224), (171, 22245), (238, 22392), (267, 22533), (274, 22566), (284, 22599), (292, 22635), (327, 22728), (348, 22788), (354, 22806), (385, 22938), (399, 22983), (432, 23115), (441, 23160), (488, 23334), (491, 23355), (500, 23394), (504, 23415), (506, 23430), (543, 23586), (546, 23604), (561, 23658), (584, 23742), (605, 23835), (656, 24081), (689, 24297), (701, 24381), (708, 24414),

Gene: BigMau_33 Start: 24285, Stop: 26138, Start Num: 264

Candidate Starts for BigMau_33:

(Start: 264 @24285 has 216 MA's), (287, 24366), (313, 24432), (343, 24501), (360, 24549), (368, 24576), (385, 24654), (397, 24690), (417, 24762), (491, 25068), (526, 25242), (546, 25329), (587, 25485), (640, 25716), (653, 25758), (661, 25800), (673, 25860), (696, 26022), (704, 26079),

Gene: BigPaolini_32 Start: 24729, Stop: 26582, Start Num: 264

Candidate Starts for BigPaolini_32:

(Start: 264 @24729 has 216 MA's), (287, 24810), (297, 24834), (313, 24876), (343, 24945), (360, 24993), (368, 25020), (377, 25056), (385, 25098), (417, 25206), (491, 25512), (526, 25686), (546, 25773), (587, 25929), (640, 26160), (653, 26202), (661, 26244), (696, 26466), (700, 26511), (704, 26523),

Gene: Bigchungi_31 Start: 24102, Stop: 25955, Start Num: 264

Candidate Starts for Bigchungi_31:

(Start: 264 @24102 has 216 MA's), (287, 24183), (313, 24249), (343, 24318), (360, 24366), (368, 24393), (377, 24429), (385, 24471), (397, 24507), (417, 24579), (491, 24885), (509, 24987), (526, 25059), (546, 25146), (587, 25302), (599, 25362), (640, 25533), (653, 25575), (661, 25617), (696, 25839), (704, 25896),

Gene: Bigfoot_30 Start: 23891, Stop: 25744, Start Num: 264

Candidate Starts for Bigfoot_30:

(Start: 264 @23891 has 216 MA's), (287, 23972), (313, 24038), (343, 24107), (344, 24110), (360, 24155), (368, 24182), (385, 24260), (397, 24296), (417, 24368), (491, 24674), (526, 24848), (546, 24935), (587, 25091), (625, 25277), (640, 25322), (653, 25364), (661, 25406), (696, 25628), (704,

25685),

Gene: BilboSwaggins_26 Start: 22284, Stop: 24680, Start Num: 81

Candidate Starts for BilboSwaggins_26:

(Start: 81 @22284 has 128 MA's), (163, 22461), (171, 22482), (238, 22629), (267, 22770), (274, 22803), (284, 22836), (292, 22872), (327, 22965), (348, 23025), (354, 23043), (376, 23124), (432, 23352), (441, 23397), (491, 23592), (492, 23598), (494, 23607), (504, 23652), (506, 23667), (543, 23823), (546, 23841), (549, 23850), (584, 23979), (585, 23982), (626, 24192), (628, 24204), (656, 24318), (689, 24534), (701, 24618), (706, 24642), (708, 24651),

Gene: BillKnuckles_32 Start: 24816, Stop: 26669, Start Num: 264

Candidate Starts for BillKnuckles_32:

(Start: 264 @24816 has 216 MA's), (287, 24897), (313, 24963), (343, 25032), (360, 25080), (368, 25107), (385, 25185), (397, 25221), (417, 25293), (491, 25599), (526, 25773), (546, 25860), (587, 26016), (640, 26247), (653, 26289), (661, 26331), (696, 26553), (699, 26574), (704, 26610),

Gene: Bipolar_18 Start: 17398, Stop: 19890, Start Num: 45

Candidate Starts for Bipolar_18:

(42, 17386), (Start: 45 @17398 has 236 MA's), (54, 17419), (Start: 61 @17440 has 1 MA's), (75, 17479), (109, 17548), (118, 17557), (120, 17560), (127, 17578), (149, 17611), (158, 17644), (168, 17677), (190, 17731), (208, 17767), (213, 17776), (226, 17794), (233, 17818), (240, 17842), (262, 17950), (267, 17974), (272, 17989), (275, 17998), (284, 18022), (286, 18028), (288, 18046), (292, 18058), (296, 18064), (298, 18070), (300, 18076), (301, 18079), (304, 18088), (307, 18097), (314, 18112), (327, 18148), (343, 18187), (345, 18199), (348, 18208), (372, 18292), (389, 18373), (399, 18403), (400, 18406), (410, 18436), (416, 18463), (418, 18472), (428, 18523), (430, 18532), (432, 18535), (440, 18571), (444, 18592), (452, 18628), (492, 18781), (504, 18835), (512, 18880), (514, 18898), (515, 18901), (526, 18940), (559, 19087), (561, 19096), (581, 19165), (584, 19180), (620, 19345), (631, 19432), (641, 19480), (656, 19531), (669, 19609), (702, 19831), (704, 19834), (708, 19861),

Gene: Bircsak_31 Start: 24588, Stop: 26441, Start Num: 264

Candidate Starts for Bircsak_31:

(Start: 264 @24588 has 216 MA's), (287, 24669), (297, 24693), (313, 24735), (343, 24804), (360, 24852), (368, 24879), (377, 24915), (385, 24957), (397, 24993), (417, 25065), (491, 25371), (509, 25473), (526, 25545), (546, 25632), (587, 25788), (640, 26019), (651, 26058), (653, 26061), (661, 26103), (696, 26325), (699, 26346), (704, 26382),

Gene: BirdsNest_33 Start: 28321, Stop: 30801, Start Num: 44

Candidate Starts for BirdsNest_33:

(Start: 44 @28321 has 6 MA's), (85, 28435), (96, 28468), (Start: 258 @28945 has 23 MA's), (274, 29011), (276, 29023), (285, 29041), (314, 29107), (330, 29149), (362, 29242), (367, 29263), (420, 29476), (453, 29632), (460, 29665), (467, 29692), (482, 29746), (511, 29896), (515, 29920), (529, 29962), (588, 30193), (610, 30292), (672, 30634), (686, 30739), (690, 30784),

Gene: Blackflame_31 Start: 24111, Stop: 25964, Start Num: 264

Candidate Starts for Blackflame_31:

(Start: 264 @24111 has 216 MA's), (287, 24192), (313, 24258), (343, 24327), (360, 24375), (368, 24402), (385, 24480), (397, 24516), (417, 24588), (491, 24894), (509, 24996), (526, 25068), (546, 25155), (587, 25311), (599, 25371), (640, 25542), (653, 25584), (661, 25626), (696, 25848), (704, 25905),

Gene: Blarby_25 Start: 17613, Stop: 20210, Start Num: 31

Candidate Starts for Blarby_25:

(27, 17604), (31, 17613), (Start: 46 @17673 has 1 MA's), (58, 17706), (60, 17709), (101, 17808), (168, 17949), (207, 18060), (208, 18063), (222, 18093), (227, 18105), (228, 18108), (252, 18210), (265, 18276), (275, 18321), (284, 18351), (286, 18357), (288, 18375), (298, 18399), (301, 18408), (314, 18441), (316, 18447), (327, 18477), (343, 18516), (345, 18528), (348, 18537), (353, 18552), (354, 18555), (381, 18666), (382, 18669), (383, 18678), (384, 18684), (387, 18699), (389, 18702), (397, 18723), (407, 18753), (410, 18765), (417, 18798), (441, 18909), (442, 18912), (448, 18939), (449, 18945), (462, 18999), (463, 19002), (489, 19089), (491, 19104), (493, 19116), (494, 19119), (507, 19185), (515, 19230), (517, 19239), (534, 19299), (535, 19302), (543, 19338), (546, 19356), (554, 19377), (560, 19404), (580, 19473), (584, 19491), (586, 19500), (587, 19512), (593, 19548), (600, 19578), (607, 19599), (612, 19617), (620, 19659), (627, 19713), (644, 19815), (674, 19950), (678, 19974), (685, 20028), (689, 20076), (699, 20118), (700, 20142), (701, 20145),

Gene: Blesser_31 Start: 24519, Stop: 26372, Start Num: 264

Candidate Starts for Blesser_31:

(Start: 264 @24519 has 216 MA's), (266, 24537), (287, 24600), (313, 24666), (343, 24735), (344, 24738), (360, 24783), (368, 24810), (377, 24846), (385, 24888), (410, 24963), (417, 24996), (426, 25047), (491, 25302), (526, 25476), (546, 25563), (587, 25719), (625, 25905), (640, 25950), (653, 25992), (661, 26034), (673, 26094), (696, 26256), (704, 26313),

Gene: Blessica_59 Start: 36409, Stop: 38919, Start Num: 66

Candidate Starts for Blessica_59:

(Start: 66 @36409 has 33 MA's), (73, 36442), (105, 36511), (106, 36514), (119, 36538), (130, 36562), (144, 36586), (155, 36619), (211, 36826), (217, 36838), (218, 36841), (255, 36988), (259, 37018), (265, 37042), (272, 37072), (273, 37075), (281, 37102), (288, 37126), (300, 37156), (320, 37213), (329, 37237), (343, 37273), (345, 37285), (353, 37309), (354, 37312), (366, 37354), (387, 37450), (389, 37453), (453, 37708), (491, 37852), (504, 37912), (514, 37984), (515, 37987), (540, 38083), (584, 38257), (587, 38278), (610, 38371), (613, 38383), (627, 38473), (653, 38548), (662, 38593), (693, 38794), (700, 38848), (704, 38863),

Gene: Blexus_18 Start: 17586, Stop: 20123, Start Num: 45

Candidate Starts for Blexus_18:

(Start: 45 @17586 has 236 MA's), (54, 17607), (Start: 61 @17628 has 1 MA's), (74, 17667), (109, 17736), (118, 17745), (120, 17748), (127, 17766), (154, 17814), (168, 17862), (207, 17973), (208, 17976), (228, 18021), (246, 18099), (252, 18123), (265, 18189), (284, 18264), (286, 18270), (288, 18288), (298, 18312), (301, 18321), (314, 18354), (316, 18360), (327, 18390), (336, 18411), (345, 18441), (348, 18450), (377, 18558), (380, 18570), (381, 18579), (382, 18582), (384, 18597), (387, 18612), (389, 18615), (397, 18636), (410, 18678), (417, 18711), (441, 18822), (442, 18825), (448, 18852), (449, 18858), (462, 18912), (463, 18915), (474, 18942), (491, 19017), (493, 19029), (494, 19032), (507, 19098), (511, 19119), (512, 19122), (515, 19143), (517, 19152), (529, 19194), (534, 19212), (535, 19215), (541, 19245), (546, 19269), (551, 19281), (554, 19290), (580, 19386), (584, 19404), (586, 19413), (587, 19425), (593, 19461), (600, 19491), (605, 19500), (607, 19512), (620, 19572), (627, 19626), (638, 19686), (644, 19728), (674, 19863), (678, 19887), (685, 19941), (689, 19989), (699, 20031), (700, 20055), (701, 20058),

Gene: Blizzard_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Blizzard_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: BluSpix_32 Start: 24346, Stop: 26199, Start Num: 264

Candidate Starts for BluSpix_32:

(Start: 264 @24346 has 216 MA's), (266, 24364), (287, 24427), (313, 24493), (343, 24562), (344, 24565), (360, 24610), (368, 24637), (377, 24673), (385, 24715), (397, 24751), (417, 24823), (491, 25129), (526, 25303), (546, 25390), (587, 25546), (599, 25606), (640, 25777), (653, 25819), (661, 25861), (696, 26083), (699, 26104), (704, 26140),

Gene: Blue_31 Start: 24584, Stop: 26437, Start Num: 264

Candidate Starts for Blue_31:

(Start: 264 @24584 has 216 MA's), (287, 24665), (313, 24731), (343, 24800), (360, 24848), (368, 24875), (385, 24953), (417, 25061), (491, 25367), (526, 25541), (546, 25628), (587, 25784), (625, 25970), (640, 26015), (653, 26057), (661, 26099), (696, 26321), (704, 26378),

Gene: BlueCrab_18 Start: 17568, Stop: 20105, Start Num: 45

Candidate Starts for BlueCrab_18:

(41, 17556), (Start: 45 @17568 has 236 MA's), (54, 17589), (Start: 61 @17610 has 1 MA's), (74, 17649), (109, 17718), (118, 17727), (120, 17730), (127, 17748), (154, 17796), (168, 17844), (207, 17955), (208, 17958), (228, 18003), (246, 18081), (252, 18105), (265, 18171), (275, 18216), (284, 18246), (286, 18252), (288, 18270), (298, 18294), (301, 18303), (314, 18336), (316, 18342), (327, 18372), (343, 18411), (345, 18423), (348, 18432), (353, 18447), (354, 18450), (381, 18561), (382, 18564), (383, 18573), (384, 18579), (387, 18594), (389, 18597), (397, 18618), (407, 18648), (410, 18660), (417, 18693), (441, 18804), (442, 18807), (448, 18834), (449, 18840), (462, 18894), (463, 18897), (491, 18999), (493, 19011), (494, 19014), (507, 19080), (512, 19104), (515, 19125), (517, 19134), (534, 19194), (535, 19197), (543, 19233), (546, 19251), (554, 19272), (560, 19299), (580, 19368), (584, 19386), (586, 19395), (587, 19407), (593, 19443), (607, 19494), (612, 19512), (620, 19554), (627, 19608), (644, 19710), (674, 19845), (678, 19869), (685, 19923), (694, 19992), (700, 20037), (701, 20040),

Gene: Bob3_30 Start: 23625, Stop: 25478, Start Num: 264

Candidate Starts for Bob3_30:

(Start: 264 @23625 has 216 MA's), (287, 23706), (313, 23772), (343, 23841), (360, 23889), (368, 23916), (385, 23994), (397, 24030), (417, 24102), (491, 24408), (526, 24582), (546, 24669), (587, 24825), (640, 25056), (653, 25098), (661, 25140), (696, 25362), (704, 25419),

Gene: BobaPhett_18 Start: 17397, Stop: 19922, Start Num: 45

Candidate Starts for BobaPhett_18:

(Start: 45 @17397 has 236 MA's), (54, 17418), (Start: 61 @17439 has 1 MA's), (74, 17478), (109, 17547), (118, 17556), (120, 17559), (127, 17577), (154, 17625), (168, 17673), (207, 17784), (208, 17787), (224, 17820), (228, 17832), (246, 17910), (259, 17976), (267, 18009), (279, 18063), (284, 18075), (300, 18129), (301, 18132), (304, 18141), (317, 18174), (333, 18213), (335, 18216), (342, 18231), (343, 18234), (350, 18261), (352, 18267), (353, 18270), (354, 18273), (362, 18300), (366, 18318), (367, 18321), (383, 18396), (387, 18417), (389, 18420), (398, 18447), (407, 18471), (417, 18516), (418, 18519), (428, 18570), (442, 18633), (444, 18642), (449, 18666), (480, 18771), (481, 18774), (491, 18825), (492, 18831), (493, 18837), (494, 18840), (504, 18885), (506, 18900), (511, 18927), (515, 18951), (529, 19002), (534, 19020), (535, 19023), (536, 19035), (551, 19089), (584, 19212), (595, 19275), (612, 19338), (622, 19413), (665, 19614), (698, 19824), (703, 19863), (704, 19866),

Gene: Bobby_40 Start: 31067, Stop: 32995, Start Num: 258

Candidate Starts for Bobby_40:

(Start: 258 @31067 has 23 MA's), (318, 31262), (377, 31430), (389, 31487), (410, 31547), (411, 31556), (463, 31784), (477, 31820), (491, 31886), (501, 31931), (511, 31988), (512, 31991), (599, 32357), (642, 32573), (644, 32600), (653, 32621), (665, 32681), (675, 32735), (684, 32801),

Gene: Bobi_20 Start: 17987, Stop: 20524, Start Num: 45

Candidate Starts for Bobi_20:

(41, 17975), (Start: 45 @17987 has 236 MA's), (54, 18008), (Start: 61 @18029 has 1 MA's), (74, 18068), (109, 18137), (118, 18146), (120, 18149), (127, 18167), (149, 18200), (154, 18215), (168, 18263), (207, 18374), (208, 18377), (222, 18407), (227, 18419), (228, 18422), (246, 18500), (252, 18524), (265, 18590), (275, 18635), (284, 18665), (286, 18671), (288, 18689), (298, 18713), (301, 18722), (314, 18755), (316, 18761), (327, 18791), (343, 18830), (345, 18842), (348, 18851), (353, 18866), (354, 18869), (381, 18980), (382, 18983), (383, 18992), (384, 18998), (387, 19013), (389, 19016), (407, 19067), (410, 19079), (417, 19112), (432, 19178), (441, 19223), (442, 19226), (448, 19253), (449, 19259), (462, 19313), (463, 19316), (489, 19403), (491, 19418), (493, 19430), (494, 19433), (507, 19499), (515, 19544), (517, 19553), (534, 19613), (535, 19616), (543, 19652), (546, 19670), (551, 19682), (554, 19691), (560, 19718), (580, 19787), (584, 19805), (586, 19814), (587, 19826), (593, 19862), (600, 19892), (607, 19913), (614, 19937), (620, 19973), (627, 20027), (638, 20087), (644, 20129), (674, 20264), (678, 20288), (685, 20342), (689, 20390), (699, 20432), (700, 20456), (701, 20459),

Gene: BobtimousPrime_28 Start: 26139, Stop: 28982, Start Num: 13

Candidate Starts for BobtimousPrime_28:

(Start: 13 @26139 has 8 MA's), (Start: 20 @26271 has 1 MA's), (21, 26283), (22, 26292), (33, 26361), (51, 26427), (57, 26448), (71, 26496), (89, 26538), (98, 26562), (115, 26595), (134, 26631), (142, 26643), (177, 26736), (197, 26793), (220, 26832), (267, 27027), (273, 27057), (286, 27099), (336, 27240), (343, 27258), (365, 27339), (376, 27378), (380, 27399), (417, 27537), (423, 27576), (463, 27741), (485, 27813), (493, 27855), (497, 27867), (514, 27966), (603, 28329), (658, 28599), (661, 28632), (666, 28656), (684, 28776), (695, 28854), (711, 28941), (714, 28956), (715, 28962),

Gene: BodEinwohner17_18 Start: 17569, Stop: 20106, Start Num: 45

Candidate Starts for BodEinwohner17_18:

(Start: 45 @17569 has 236 MA's), (54, 17590), (Start: 61 @17611 has 1 MA's), (74, 17650), (109, 17719), (118, 17728), (120, 17731), (127, 17749), (154, 17797), (204, 17950), (208, 17959), (228, 18004), (251, 18103), (252, 18106), (265, 18172), (284, 18247), (286, 18253), (288, 18271), (298, 18295), (301, 18304), (314, 18337), (316, 18343), (327, 18373), (336, 18394), (345, 18424), (348, 18433), (353, 18448), (354, 18451), (377, 18541), (380, 18553), (381, 18562), (382, 18565), (384, 18580), (387, 18595), (389, 18598), (397, 18619), (410, 18661), (417, 18694), (441, 18805), (442, 18808), (448, 18835), (449, 18841), (462, 18895), (463, 18898), (474, 18925), (491, 19000), (493, 19012), (494, 19015), (507, 19081), (511, 19102), (512, 19105), (515, 19126), (517, 19135), (529, 19177), (534, 19195), (535, 19198), (541, 19228), (546, 19252), (551, 19264), (554, 19273), (580, 19369), (584, 19387), (586, 19396), (587, 19408), (593, 19444), (600, 19474), (605, 19483), (607, 19495), (620, 19555), (627, 19609), (638, 19669), (644, 19711), (674, 19846), (678, 19870), (685, 19924), (689, 19972), (699, 20014), (700, 20038), (701, 20041),

Gene: Bogg_26 Start: 21184, Stop: 23580, Start Num: 81

Candidate Starts for Bogg_26:

(Start: 81 @21184 has 128 MA's), (163, 21361), (171, 21382), (238, 21529), (267, 21670), (274, 21703), (284, 21736), (292, 21772), (327, 21865), (348, 21925), (354, 21943), (385, 22075), (399, 22120), (432, 22252), (441, 22297), (456, 22357), (488, 22471), (491, 22492), (500, 22531), (504, 22552), (506, 22567), (541, 22717), (543, 22723), (546, 22741), (561, 22795), (584, 22879), (605, 22972), (656, 23218), (689, 23434), (701, 23518), (708, 23551),

Gene: Bogie_20 Start: 18761, Stop: 21265, Start Num: 66

Candidate Starts for Bogie_20:

(Start: 66 @18761 has 33 MA's), (130, 18914), (251, 19319), (255, 19334), (259, 19364), (261, 19370), (265, 19388), (298, 19496), (316, 19547), (354, 19658), (355, 19661), (366, 19700), (375, 19733),

(389, 19799), (410, 19859), (416, 19886), (417, 19892), (491, 20198), (504, 20258), (510, 20306), (511, 20309), (514, 20330), (515, 20333), (584, 20594), (612, 20717), (613, 20720), (627, 20810), (644, 20867), (653, 20888), (665, 20948), (695, 21149), (700, 21191),

Gene: Boiiii_27 Start: 20914, Stop: 23346, Start Num: 88

Candidate Starts for Boiiii_27:

(Start: 88 @20914 has 96 MA's), (137, 21013), (223, 21274), (230, 21295), (273, 21502), (283, 21535), (289, 21565), (320, 21637), (329, 21661), (381, 21859), (388, 21904), (391, 21916), (395, 21925), (410, 21976), (446, 22156), (450, 22171), (466, 22240), (469, 22252), (486, 22315), (494, 22357), (504, 22396), (505, 22402), (506, 22411), (510, 22432), (525, 22492), (554, 22609), (563, 22651), (584, 22723), (586, 22732), (591, 22753), (606, 22825), (611, 22846), (627, 22942), (657, 23089), (671, 23170), (689, 23317),

Gene: Boilgate_24 Start: 21197, Stop: 23551, Start Num: 86

Candidate Starts for Boilgate_24:

(Start: 86 @21197 has 1 MA's), (140, 21308), (151, 21338), (181, 21431), (184, 21440), (199, 21482), (203, 21494), (207, 21506), (209, 21518), (234, 21605), (259, 21728), (261, 21734), (312, 21866), (343, 21938), (345, 21950), (347, 21956), (362, 22004), (381, 22088), (394, 22142), (401, 22172), (405, 22181), (407, 22184), (413, 22214), (453, 22391), (473, 22469), (482, 22502), (493, 22562), (494, 22565), (504, 22610), (505, 22616), (506, 22625), (512, 22655), (517, 22685), (519, 22697), (536, 22754), (542, 22775), (556, 22832), (557, 22835), (580, 22910), (586, 22937), (587, 22949), (589, 22955), (591, 22964), (609, 23048), (625, 23144), (627, 23153), (634, 23192), (649, 23276), (662, 23336), (669, 23363), (690, 23522),

Gene: Bombitas_35 Start: 29250, Stop: 31178, Start Num: 258

Candidate Starts for Bombitas_35:

(Start: 258 @29250 has 23 MA's), (341, 29496), (381, 29634), (389, 29670), (407, 29718), (441, 29874), (462, 29964), (477, 30003), (491, 30069), (493, 30081), (494, 30084), (501, 30114), (512, 30174), (546, 30321), (554, 30342), (584, 30459), (594, 30519), (599, 30540), (617, 30618), (642, 30756), (653, 30804), (665, 30864), (675, 30918), (684, 30984), (696, 31065),

Gene: Bones_31 Start: 23991, Stop: 25844, Start Num: 264

Candidate Starts for Bones_31:

(Start: 264 @23991 has 216 MA's), (287, 24072), (313, 24138), (343, 24207), (360, 24255), (368, 24282), (377, 24318), (385, 24360), (397, 24396), (417, 24468), (491, 24774), (526, 24948), (546, 25035), (587, 25191), (625, 25377), (640, 25422), (653, 25464), (661, 25506), (696, 25728), (704, 25785),

Gene: Boomer_19 Start: 17212, Stop: 19749, Start Num: 45

Candidate Starts for Boomer_19:

(Start: 45 @17212 has 236 MA's), (54, 17233), (Start: 61 @17254 has 1 MA's), (74, 17293), (109, 17362), (118, 17371), (120, 17374), (127, 17392), (149, 17425), (154, 17440), (168, 17488), (207, 17599), (208, 17602), (222, 17632), (228, 17647), (246, 17725), (252, 17749), (265, 17815), (275, 17860), (284, 17890), (286, 17896), (288, 17914), (298, 17938), (301, 17947), (314, 17980), (316, 17986), (327, 18016), (336, 18037), (343, 18055), (345, 18067), (348, 18076), (353, 18091), (354, 18094), (374, 18172), (381, 18205), (382, 18208), (383, 18217), (384, 18223), (387, 18238), (389, 18241), (397, 18262), (407, 18292), (410, 18304), (417, 18337), (441, 18448), (442, 18451), (448, 18478), (449, 18484), (462, 18538), (463, 18541), (489, 18628), (491, 18643), (493, 18655), (494, 18658), (507, 18724), (512, 18748), (515, 18769), (517, 18778), (534, 18838), (535, 18841), (541, 18871), (546, 18895), (551, 18907), (554, 18916), (560, 18943), (580, 19012), (584, 19030), (586, 19039), (587, 19051), (593, 19087), (600, 19117), (607, 19138), (614, 19162), (620, 19198), (627, 19252), (638, 19312), (644, 19354), (663, 19432), (674, 19489), (678, 19513), (685, 19567), (689, 19615), (700, 19681), (701, 19684),

Gene: Bora_56 Start: 35766, Stop: 38276, Start Num: 66

Candidate Starts for Bora_56:

(Start: 66 @35766 has 33 MA's), (73, 35799), (105, 35868), (106, 35871), (119, 35895), (130, 35919), (144, 35943), (155, 35976), (198, 36129), (211, 36183), (217, 36195), (218, 36198), (255, 36345), (259, 36375), (265, 36399), (272, 36429), (273, 36432), (281, 36459), (288, 36483), (300, 36513), (320, 36570), (343, 36630), (345, 36642), (353, 36666), (354, 36669), (366, 36711), (387, 36807), (389, 36810), (453, 37065), (491, 37209), (504, 37269), (514, 37341), (515, 37344), (540, 37440), (584, 37614), (586, 37623), (587, 37635), (610, 37728), (613, 37740), (627, 37830), (653, 37905), (662, 37950), (693, 38151), (700, 38205), (704, 38220),

Gene: Brewer_26 Start: 22532, Stop: 24928, Start Num: 81

Candidate Starts for Brewer_26:

(Start: 81 @22532 has 128 MA's), (163, 22709), (171, 22730), (238, 22877), (267, 23018), (274, 23051), (284, 23084), (292, 23120), (327, 23213), (348, 23273), (354, 23291), (385, 23423), (399, 23468), (432, 23600), (441, 23645), (488, 23819), (491, 23840), (500, 23879), (504, 23900), (506, 23915), (543, 24071), (546, 24089), (561, 24143), (584, 24227), (605, 24320), (656, 24566), (689, 24782), (701, 24866), (708, 24899),

Gene: Briton15_33 Start: 24383, Stop: 26236, Start Num: 264

Candidate Starts for Briton15_33:

(Start: 264 @24383 has 216 MA's), (287, 24464), (313, 24530), (343, 24599), (360, 24647), (368, 24674), (377, 24710), (385, 24752), (397, 24788), (417, 24860), (491, 25166), (526, 25340), (546, 25427), (587, 25583), (625, 25769), (640, 25814), (653, 25856), (661, 25898), (696, 26120), (704, 26177),

Gene: BronnyJames_30 Start: 25923, Stop: 28418, Start Num: 45

Candidate Starts for BronnyJames_30:

(Start: 45 @25923 has 236 MA's), (127, 26118), (149, 26154), (154, 26169), (186, 26256), (190, 26271), (208, 26307), (212, 26313), (230, 26346), (233, 26358), (272, 26529), (275, 26538), (284, 26562), (300, 26616), (314, 26652), (316, 26658), (327, 26688), (339, 26718), (345, 26739), (348, 26748), (353, 26763), (372, 26832), (389, 26913), (392, 26922), (399, 26943), (400, 26946), (410, 26976), (418, 27012), (428, 27063), (430, 27072), (432, 27075), (438, 27102), (440, 27111), (444, 27132), (462, 27210), (463, 27213), (485, 27285), (492, 27321), (493, 27327), (503, 27369), (504, 27375), (511, 27417), (512, 27420), (515, 27441), (516, 27447), (517, 27450), (526, 27480), (559, 27621), (561, 27630), (563, 27639), (574, 27672), (580, 27696), (581, 27699), (584, 27714), (587, 27735), (593, 27771), (595, 27777), (596, 27783), (601, 27804), (610, 27831), (631, 27966), (643, 28038), (645, 28044), (656, 28062), (674, 28161), (689, 28278), (702, 28359), (704, 28362), (708, 28389),

Gene: Brookers_19 Start: 17254, Stop: 19731, Start Num: 45

Candidate Starts for Brookers_19:

(42, 17242), (Start: 45 @17254 has 236 MA's), (54, 17275), (Start: 61 @17296 has 1 MA's), (75, 17335), (109, 17404), (118, 17413), (120, 17416), (127, 17434), (149, 17467), (154, 17482), (186, 17569), (190, 17584), (208, 17620), (212, 17626), (230, 17659), (233, 17671), (272, 17842), (275, 17851), (284, 17875), (300, 17929), (314, 17965), (316, 17971), (327, 18001), (339, 18031), (345, 18052), (348, 18061), (372, 18145), (384, 18208), (389, 18226), (392, 18235), (399, 18256), (400, 18259), (407, 18277), (410, 18289), (416, 18316), (418, 18325), (428, 18376), (430, 18385), (432, 18388), (438, 18415), (440, 18424), (444, 18445), (462, 18523), (463, 18526), (492, 18634), (493, 18640), (504, 18688), (511, 18730), (512, 18733), (515, 18754), (516, 18760), (517, 18763), (526, 18793), (559, 18934), (563, 18952), (574, 18985), (580, 19009), (581, 19012), (584, 19027), (587, 19048), (593, 19084), (595, 19090), (601, 19117), (610, 19144), (631, 19279), (641, 19327), (643, 19351), (645, 19357), (656, 19375), (674, 19474), (677, 19495), (680, 19513), (689, 19591), (694,

19612), (704, 19675), (706, 19693), (712, 19711),

Gene: Bruin_26 Start: 22307, Stop: 24703, Start Num: 81

Candidate Starts for Bruin_26:

(Start: 81 @22307 has 128 MA's), (163, 22484), (171, 22505), (238, 22652), (267, 22793), (274, 22826), (284, 22859), (292, 22895), (327, 22988), (348, 23048), (354, 23066), (385, 23198), (399, 23243), (432, 23375), (441, 23420), (488, 23594), (491, 23615), (500, 23654), (504, 23675), (506, 23690), (543, 23846), (546, 23864), (561, 23918), (584, 24002), (605, 24095), (656, 24341), (689, 24557), (701, 24641), (708, 24674),

Gene: Brujita_21 Start: 19089, Stop: 21620, Start Num: 63

Candidate Starts for Brujita_21:

(Start: 63 @19089 has 2 MA's), (68, 19113), (112, 19224), (117, 19233), (130, 19260), (178, 19407), (251, 19674), (255, 19689), (259, 19719), (261, 19725), (265, 19743), (298, 19851), (316, 19902), (354, 20013), (355, 20016), (366, 20055), (375, 20088), (389, 20154), (410, 20214), (416, 20241), (417, 20247), (491, 20553), (504, 20613), (510, 20661), (511, 20664), (514, 20685), (515, 20688), (584, 20949), (612, 21072), (613, 21075), (627, 21165), (644, 21222), (653, 21243), (665, 21303), (695, 21504), (700, 21546),

Gene: Bruns_30 Start: 24013, Stop: 25866, Start Num: 264

Candidate Starts for Bruns_30:

(Start: 264 @24013 has 216 MA's), (287, 24094), (313, 24160), (343, 24229), (344, 24232), (360, 24277), (368, 24304), (377, 24340), (385, 24382), (397, 24418), (417, 24490), (491, 24796), (526, 24970), (546, 25057), (587, 25213), (599, 25273), (625, 25399), (640, 25444), (653, 25486), (661, 25528), (696, 25750), (699, 25771), (704, 25807),

Gene: Brushbloom_19 Start: 17281, Stop: 19818, Start Num: 45

Candidate Starts for Brushbloom_19:

(Start: 45 @17281 has 236 MA's), (54, 17302), (Start: 61 @17323 has 1 MA's), (72, 17359), (74, 17362), (109, 17431), (118, 17440), (120, 17443), (127, 17461), (149, 17494), (154, 17509), (168, 17557), (204, 17662), (207, 17668), (208, 17671), (227, 17713), (228, 17716), (252, 17818), (265, 17884), (275, 17929), (284, 17959), (286, 17965), (288, 17983), (298, 18007), (301, 18016), (314, 18049), (316, 18055), (336, 18106), (343, 18124), (345, 18136), (348, 18145), (353, 18160), (355, 18166), (381, 18274), (383, 18286), (384, 18292), (387, 18307), (389, 18310), (397, 18331), (407, 18361), (410, 18373), (417, 18406), (432, 18472), (441, 18517), (442, 18520), (448, 18547), (449, 18553), (462, 18607), (463, 18610), (474, 18637), (491, 18712), (493, 18724), (494, 18727), (507, 18793), (512, 18817), (517, 18847), (529, 18889), (534, 18907), (535, 18910), (543, 18946), (546, 18964), (554, 18985), (560, 19012), (580, 19081), (584, 19099), (586, 19108), (587, 19120), (593, 19156), (607, 19207), (612, 19225), (620, 19267), (627, 19321), (644, 19423), (663, 19501), (674, 19558), (678, 19582), (685, 19636), (689, 19684), (699, 19726), (700, 19750), (701, 19753),

Gene: Bubbles123_19 Start: 18112, Stop: 20649, Start Num: 45

Candidate Starts for Bubbles123_19:

(Start: 45 @18112 has 236 MA's), (54, 18133), (Start: 61 @18154 has 1 MA's), (74, 18193), (109, 18262), (118, 18271), (120, 18274), (127, 18292), (149, 18325), (154, 18340), (168, 18388), (207, 18499), (208, 18502), (227, 18544), (228, 18547), (252, 18649), (265, 18715), (275, 18760), (284, 18790), (286, 18796), (288, 18814), (298, 18838), (301, 18847), (314, 18880), (316, 18886), (343, 18955), (345, 18967), (348, 18976), (353, 18991), (355, 18997), (381, 19105), (383, 19117), (384, 19123), (387, 19138), (389, 19141), (397, 19162), (407, 19192), (410, 19204), (417, 19237), (432, 19303), (441, 19348), (442, 19351), (448, 19378), (449, 19384), (462, 19438), (463, 19441), (474, 19468), (491, 19543), (493, 19555), (494, 19558), (507, 19624), (512, 19648), (517, 19678), (529, 19720), (534, 19738), (535, 19741), (543, 19777), (546, 19795), (554, 19816), (560, 19843), (580, 19912), (584, 19930), (586, 19939), (587, 19951), (593, 19987), (607, 20038), (614, 20062), (620,

20098), (627, 20152), (644, 20254), (663, 20332), (674, 20389), (678, 20413), (689, 20515), (699, 20557), (700, 20581), (701, 20584),

Gene: Buck_25 Start: 22240, Stop: 24636, Start Num: 81

Candidate Starts for Buck_25:

(Start: 81 @22240 has 128 MA's), (163, 22417), (171, 22438), (238, 22585), (267, 22726), (274, 22759), (284, 22792), (292, 22828), (327, 22921), (348, 22981), (354, 22999), (385, 23131), (399, 23176), (432, 23308), (441, 23353), (456, 23413), (488, 23527), (491, 23548), (500, 23587), (504, 23608), (506, 23623), (541, 23773), (543, 23779), (546, 23797), (561, 23851), (584, 23935), (605, 24028), (656, 24274), (689, 24490), (701, 24574), (708, 24607),

Gene: Budgie_28 Start: 21675, Stop: 24068, Start Num: 81

Candidate Starts for Budgie_28:

(Start: 81 @21675 has 128 MA's), (163, 21852), (171, 21873), (249, 22077), (251, 22083), (273, 22191), (274, 22194), (292, 22263), (343, 22392), (348, 22413), (376, 22512), (379, 22530), (432, 22740), (441, 22785), (491, 22980), (492, 22986), (494, 22995), (504, 23040), (506, 23055), (543, 23211), (546, 23229), (549, 23238), (584, 23367), (585, 23370), (626, 23580), (628, 23592), (668, 23775), (669, 23781), (689, 23922), (701, 24006), (706, 24030), (708, 24039),

Gene: BugsBunny_24 Start: 21873, Stop: 24269, Start Num: 81

Candidate Starts for BugsBunny_24:

(Start: 81 @21873 has 128 MA's), (163, 22050), (171, 22071), (238, 22218), (267, 22359), (274, 22392), (284, 22425), (292, 22461), (327, 22554), (348, 22614), (354, 22632), (385, 22764), (399, 22809), (432, 22941), (441, 22986), (456, 23046), (488, 23160), (491, 23181), (500, 23220), (504, 23241), (506, 23256), (541, 23406), (543, 23412), (546, 23430), (561, 23484), (584, 23568), (605, 23661), (656, 23907), (689, 24123), (701, 24207), (708, 24240),

Gene: Burton_32 Start: 24233, Stop: 26086, Start Num: 264

Candidate Starts for Burton_32:

(Start: 264 @24233 has 216 MA's), (287, 24314), (313, 24380), (343, 24449), (360, 24497), (368, 24524), (377, 24560), (385, 24602), (397, 24638), (417, 24710), (491, 25016), (509, 25118), (526, 25190), (546, 25277), (587, 25433), (640, 25664), (653, 25706), (661, 25748), (696, 25970), (699, 25991), (704, 26027),

Gene: Burwell21_18 Start: 17404, Stop: 19956, Start Num: 45

Candidate Starts for Burwell21_18:

(Start: 45 @17404 has 236 MA's), (74, 17485), (109, 17554), (118, 17563), (120, 17566), (127, 17584), (154, 17632), (167, 17677), (207, 17791), (208, 17794), (215, 17806), (224, 17827), (227, 17836), (228, 17839), (241, 17887), (246, 17917), (259, 17983), (267, 18016), (275, 18052), (282, 18076), (300, 18136), (301, 18139), (307, 18157), (333, 18220), (335, 18223), (343, 18241), (348, 18262), (354, 18280), (362, 18307), (367, 18328), (376, 18361), (383, 18403), (384, 18409), (385, 18412), (389, 18427), (398, 18454), (399, 18457), (407, 18478), (410, 18490), (417, 18523), (438, 18616), (462, 18724), (472, 18748), (474, 18754), (479, 18772), (480, 18775), (485, 18799), (491, 18829), (497, 18853), (504, 18889), (505, 18895), (506, 18904), (511, 18931), (523, 18994), (529, 19018), (530, 19033), (541, 19075), (555, 19126), (581, 19222), (584, 19237), (586, 19246), (590, 19270), (605, 19333), (614, 19369), (670, 19675), (678, 19720), (689, 19822),

Gene: Buttons_33 Start: 25074, Stop: 26927, Start Num: 264

Candidate Starts for Buttons_33:

(Start: 264 @25074 has 216 MA's), (287, 25155), (313, 25221), (343, 25290), (360, 25338), (368, 25365), (385, 25443), (397, 25479), (491, 25857), (526, 26031), (546, 26118), (587, 26274), (599, 26334), (640, 26505), (653, 26547), (661, 26589), (696, 26811), (704, 26868),

Gene: BuzzLyseyear_20 Start: 17791, Stop: 20328, Start Num: 45

Candidate Starts for BuzzLyseyear_20:

(Start: 45 @17791 has 236 MA's), (54, 17812), (Start: 61 @17833 has 1 MA's), (74, 17872), (109, 17941), (118, 17950), (120, 17953), (127, 17971), (154, 18019), (204, 18172), (208, 18181), (228, 18226), (251, 18325), (252, 18328), (265, 18394), (284, 18469), (286, 18475), (288, 18493), (298, 18517), (300, 18523), (301, 18526), (314, 18559), (316, 18565), (327, 18595), (336, 18616), (345, 18646), (348, 18655), (353, 18670), (354, 18673), (381, 18784), (382, 18787), (383, 18796), (384, 18802), (387, 18817), (389, 18820), (397, 18841), (407, 18871), (410, 18883), (417, 18916), (441, 19027), (442, 19030), (448, 19057), (449, 19063), (462, 19117), (463, 19120), (489, 19207), (491, 19222), (493, 19234), (494, 19237), (507, 19303), (512, 19327), (515, 19348), (517, 19357), (534, 19417), (535, 19420), (543, 19456), (546, 19474), (551, 19486), (554, 19495), (560, 19522), (578, 19579), (580, 19591), (584, 19609), (586, 19618), (587, 19630), (593, 19666), (600, 19696), (605, 19705), (607, 19717), (620, 19777), (627, 19831), (638, 19891), (644, 19933), (674, 20068), (678, 20092), (685, 20146), (689, 20194), (699, 20236), (700, 20260), (701, 20263),

Gene: Bxb1_29 Start: 24184, Stop: 26037, Start Num: 264

Candidate Starts for Bxb1_29:

(Start: 264 @24184 has 216 MA's), (287, 24265), (313, 24331), (343, 24400), (360, 24448), (368, 24475), (385, 24553), (397, 24589), (417, 24661), (491, 24967), (526, 25141), (546, 25228), (577, 25330), (587, 25384), (625, 25570), (640, 25615), (653, 25657), (661, 25699), (696, 25921), (704, 25978),

Gene: ByChance_18 Start: 17408, Stop: 19933, Start Num: 45

Candidate Starts for ByChance_18:

(Start: 45 @17408 has 236 MA's), (74, 17489), (109, 17558), (118, 17567), (120, 17570), (127, 17588), (154, 17636), (168, 17684), (207, 17795), (208, 17798), (224, 17831), (228, 17843), (246, 17921), (259, 17987), (267, 18020), (279, 18074), (284, 18086), (300, 18140), (301, 18143), (304, 18152), (317, 18185), (333, 18224), (335, 18227), (342, 18242), (343, 18245), (350, 18272), (352, 18278), (353, 18281), (354, 18284), (362, 18311), (366, 18329), (367, 18332), (383, 18407), (387, 18428), (389, 18431), (398, 18458), (407, 18482), (417, 18527), (418, 18530), (428, 18581), (442, 18644), (444, 18653), (449, 18677), (480, 18782), (481, 18785), (491, 18836), (492, 18842), (493, 18848), (494, 18851), (504, 18896), (506, 18911), (511, 18938), (515, 18962), (529, 19013), (534, 19031), (535, 19034), (536, 19046), (551, 19100), (561, 19142), (595, 19286), (610, 19340), (611, 19346), (612, 19349), (617, 19385), (619, 19388), (621, 19397), (622, 19424), (665, 19625), (689, 19796), (698, 19835), (703, 19874), (704, 19877),

Gene: Byougenkin_18 Start: 17418, Stop: 19949, Start Num: 45

Candidate Starts for Byougenkin_18:

(Start: 45 @17418 has 236 MA's), (83, 17508), (109, 17568), (118, 17577), (120, 17580), (127, 17598), (149, 17631), (154, 17646), (168, 17694), (207, 17805), (208, 17808), (222, 17838), (228, 17853), (246, 17931), (252, 17955), (265, 18021), (275, 18066), (284, 18096), (286, 18102), (288, 18120), (298, 18144), (300, 18150), (301, 18153), (314, 18186), (316, 18192), (343, 18261), (348, 18282), (353, 18297), (354, 18300), (381, 18411), (383, 18423), (384, 18429), (387, 18444), (389, 18447), (397, 18468), (410, 18510), (417, 18543), (441, 18654), (442, 18657), (448, 18684), (449, 18690), (462, 18744), (463, 18747), (489, 18834), (491, 18849), (493, 18861), (494, 18864), (507, 18930), (512, 18954), (515, 18975), (517, 18984), (534, 19044), (535, 19047), (543, 19083), (546, 19101), (551, 19113), (554, 19122), (560, 19149), (580, 19218), (584, 19236), (586, 19245), (587, 19257), (593, 19293), (600, 19323), (607, 19344), (614, 19368), (620, 19404), (627, 19458), (638, 19518), (644, 19560), (663, 19638), (674, 19695), (678, 19719), (685, 19773), (689, 19821), (699, 19857), (700, 19881), (701, 19884),

Gene: CREW_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for CREW_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Cabrinians_18 Start: 17398, Stop: 19950, Start Num: 45

Candidate Starts for Cabrinians_18:

(Start: 45 @17398 has 236 MA's), (74, 17479), (109, 17548), (118, 17557), (120, 17560), (127, 17578), (154, 17626), (167, 17671), (207, 17785), (208, 17788), (215, 17800), (224, 17821), (227, 17830), (228, 17833), (241, 17881), (246, 17911), (259, 17977), (267, 18010), (275, 18046), (282, 18070), (300, 18130), (301, 18133), (307, 18151), (333, 18214), (335, 18217), (343, 18235), (348, 18256), (354, 18274), (362, 18301), (367, 18322), (376, 18355), (383, 18397), (384, 18403), (385, 18406), (389, 18421), (398, 18448), (399, 18451), (407, 18472), (410, 18484), (417, 18517), (438, 18610), (462, 18718), (472, 18742), (474, 18748), (479, 18766), (480, 18769), (485, 18793), (491, 18823), (497, 18847), (504, 18883), (505, 18889), (506, 18898), (511, 18925), (523, 18988), (529, 19012), (530, 19027), (541, 19069), (555, 19120), (581, 19216), (584, 19231), (586, 19240), (590, 19264), (605, 19327), (614, 19363), (670, 19669), (678, 19714), (689, 19816),

Gene: Cactus_27 Start: 21496, Stop: 23892, Start Num: 81

Candidate Starts for Cactus_27:

(Start: 81 @21496 has 128 MA's), (163, 21673), (171, 21694), (238, 21841), (267, 21982), (274, 22015), (284, 22048), (292, 22084), (327, 22177), (348, 22237), (354, 22255), (376, 22336), (432, 22564), (441, 22609), (491, 22804), (492, 22810), (494, 22819), (504, 22864), (506, 22879), (543, 23035), (546, 23053), (549, 23062), (584, 23191), (585, 23194), (626, 23404), (628, 23416), (656, 23530), (689, 23746), (701, 23830), (706, 23854), (708, 23863),

Gene: CactusRose_30 Start: 23986, Stop: 25839, Start Num: 264

Candidate Starts for CactusRose_30:

(Start: 264 @23986 has 216 MA's), (287, 24067), (313, 24133), (343, 24202), (344, 24205), (360, 24250), (368, 24277), (377, 24313), (385, 24355), (397, 24391), (417, 24463), (491, 24769), (526, 24943), (546, 25030), (587, 25186), (599, 25246), (625, 25372), (640, 25417), (653, 25459), (661, 25501), (696, 25723), (704, 25780),

Gene: CallaLilly_27 Start: 20835, Stop: 23267, Start Num: 88

Candidate Starts for CallaLilly_27:

(Start: 88 @20835 has 96 MA's), (137, 20934), (223, 21195), (230, 21216), (273, 21423), (283, 21456), (289, 21486), (320, 21558), (329, 21582), (381, 21780), (388, 21825), (391, 21837), (395, 21846), (410, 21897), (446, 22077), (450, 22092), (466, 22161), (469, 22173), (486, 22236), (494, 22278), (504, 22317), (505, 22323), (506, 22332), (510, 22353), (525, 22413), (554, 22530), (563, 22572), (584, 22644), (586, 22653), (591, 22674), (606, 22746), (611, 22767), (627, 22863), (657, 23010), (671, 23091), (689, 23238),

Gene: Cambiare_23 Start: 21228, Stop: 23705, Start Num: 39

Candidate Starts for Cambiare_23:

(Start: 39 @21228 has 9 MA's), (76, 21336), (121, 21426), (153, 21474), (162, 21516), (225, 21693), (252, 21810), (273, 21909), (314, 21990), (330, 22032), (342, 22056), (349, 22083), (350, 22086), (354, 22098), (376, 22179), (385, 22230), (420, 22359), (422, 22371), (448, 22497), (461, 22557), (465, 22572), (467, 22578), (484, 22647), (512, 22785), (529, 22848), (536, 22887), (571, 23022), (575, 23031), (586, 23079), (588, 23094), (612, 23205), (664, 23499), (674, 23550), (686, 23643),

Gene: Capricorn_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Capricorn_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: CaptainTrips_19 Start: 18092, Stop: 20629, Start Num: 45

Candidate Starts for CaptainTrips_19:

(Start: 45 @18092 has 236 MA's), (83, 18182), (109, 18242), (118, 18251), (120, 18254), (127, 18272), (149, 18305), (154, 18320), (168, 18368), (207, 18479), (208, 18482), (222, 18512), (227, 18524), (228, 18527), (246, 18605), (252, 18629), (265, 18695), (275, 18740), (284, 18770), (286, 18776), (288, 18794), (298, 18818), (301, 18827), (314, 18860), (316, 18866), (327, 18896), (343, 18935), (345, 18947), (348, 18956), (353, 18971), (354, 18974), (381, 19085), (382, 19088), (383, 19097), (384, 19103), (387, 19118), (389, 19121), (397, 19142), (407, 19172), (410, 19184), (417, 19217), (441, 19328), (442, 19331), (448, 19358), (449, 19364), (462, 19418), (463, 19421), (489, 19508), (491, 19523), (493, 19535), (494, 19538), (507, 19604), (512, 19628), (515, 19649), (517, 19658), (534, 19718), (535, 19721), (543, 19757), (546, 19775), (551, 19787), (554, 19796), (560, 19823), (580, 19892), (584, 19910), (586, 19919), (587, 19931), (593, 19967), (600, 19997), (607, 20018), (614, 20042), (620, 20078), (627, 20132), (638, 20192), (644, 20234), (663, 20312), (674, 20369), (678, 20393), (685, 20447), (689, 20495), (699, 20537), (700, 20561), (701, 20564),

Gene: Carlyle_33 Start: 24913, Stop: 26766, Start Num: 264

Candidate Starts for Carlyle_33:

(Start: 264 @24913 has 216 MA's), (287, 24994), (313, 25060), (343, 25129), (360, 25177), (368, 25204), (385, 25282), (397, 25318), (417, 25390), (491, 25696), (526, 25870), (546, 25957), (587, 26113), (640, 26344), (653, 26386), (661, 26428), (696, 26650), (704, 26707),

Gene: CartmannCramer_31 Start: 26131, Stop: 27984, Start Num: 264

Candidate Starts for CartmannCramer_31:

(Start: 264 @26131 has 216 MA's), (287, 26212), (313, 26278), (343, 26347), (360, 26395), (368, 26422), (385, 26500), (397, 26536), (417, 26608), (491, 26914), (526, 27088), (546, 27175), (587, 27331), (625, 27517), (640, 27562), (653, 27604), (661, 27646), (696, 27868), (704, 27925),

Gene: CaseJules_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for CaseJules_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: CatBus_33 Start: 25614, Stop: 27467, Start Num: 264

Candidate Starts for CatBus_33:

(Start: 264 @25614 has 216 MA's), (287, 25695), (313, 25761), (343, 25830), (360, 25878), (368, 25905), (385, 25983), (417, 26091), (491, 26397), (509, 26499), (526, 26571), (546, 26658), (587, 26814), (599, 26874), (640, 27045), (653, 27087), (661, 27129), (696, 27351), (699, 27372), (704, 27408),

Gene: Catdawg_58 Start: 36145, Stop: 38655, Start Num: 66

Candidate Starts for Catdawg_58:

(Start: 66 @36145 has 33 MA's), (73, 36178), (105, 36247), (106, 36250), (119, 36274), (130, 36298), (144, 36322), (155, 36355), (211, 36562), (217, 36574), (218, 36577), (255, 36724), (259, 36754), (265, 36778), (272, 36808), (273, 36811), (281, 36838), (288, 36862), (300, 36892), (320, 36949), (329, 36973), (343, 37009), (345, 37021), (353, 37045), (354, 37048), (366, 37090), (387, 37186), (389, 37189), (453, 37444), (491, 37588), (504, 37648), (514, 37720), (515, 37723), (540, 37819), (584, 37993), (587, 38014), (610, 38107), (613, 38119), (627, 38209), (653, 38284), (662, 38329), (693, 38530), (700, 38584), (704, 38599),

Gene: Causa_36 Start: 31862, Stop: 33766, Start Num: 271

Candidate Starts for Causa_36:

(Start: 271 @31862 has 2 MA's), (305, 31973), (311, 31991), (338, 32060), (385, 32231), (409, 32306), (429, 32408), (439, 32453), (452, 32513), (457, 32537), (465, 32567), (507, 32753), (520, 32831), (532, 32885), (545, 32948), (559, 32996), (568, 33032), (569, 33035), (573, 33047), (579, 33071), (615, 33248), (616, 33254), (623, 33299), (624, 33302), (634, 33353), (669, 33485), (689, 33629), (703, 33710), (713, 33755),

Gene: Cborch11_30 Start: 25681, Stop: 28524, Start Num: 13

Candidate Starts for Cborch11_30:

(Start: 13 @25681 has 8 MA's), (Start: 20 @25813 has 1 MA's), (21, 25825), (22, 25834), (33, 25903), (35, 25909), (51, 25969), (57, 25990), (71, 26038), (89, 26080), (98, 26104), (115, 26137), (134, 26173), (142, 26185), (177, 26278), (197, 26335), (220, 26374), (254, 26500), (267, 26569), (273, 26599), (286, 26641), (301, 26692), (336, 26782), (343, 26800), (365, 26881), (376, 26920), (380, 26941), (417, 27079), (423, 27118), (440, 27181), (463, 27283), (514, 27508), (603, 27871), (610, 27898), (658, 28141), (661, 28174), (666, 28198), (684, 28318), (695, 28396), (711, 28483), (714, 28498), (715, 28504),

Gene: Chanagan_30 Start: 23698, Stop: 25551, Start Num: 264

Candidate Starts for Chanagan_30:

(Start: 264 @23698 has 216 MA's), (287, 23779), (313, 23845), (343, 23914), (360, 23962), (368, 23989), (385, 24067), (397, 24103), (417, 24175), (491, 24481), (526, 24655), (546, 24742), (587, 24898), (625, 25084), (640, 25129), (653, 25171), (661, 25213), (696, 25435), (704, 25492),

Gene: Che8_18 Start: 17426, Stop: 19963, Start Num: 45

Candidate Starts for Che8_18:

(Start: 45 @17426 has 236 MA's), (54, 17447), (Start: 61 @17468 has 1 MA's), (74, 17507), (109, 17576), (118, 17585), (120, 17588), (127, 17606), (149, 17639), (154, 17654), (207, 17813), (208, 17816), (222, 17846), (228, 17861), (246, 17939), (252, 17963), (265, 18029), (284, 18104), (286, 18110), (288, 18128), (298, 18152), (300, 18158), (301, 18161), (314, 18194), (316, 18200), (327, 18230), (336, 18251), (345, 18281), (348, 18290), (377, 18398), (380, 18410), (381, 18419), (382, 18422), (383, 18431), (384, 18437), (387, 18452), (389, 18455), (397, 18476), (407, 18506), (410, 18518), (417, 18551), (448, 18692), (449, 18698), (462, 18752), (463, 18755), (474, 18782), (491, 18857), (493, 18869), (494, 18872), (499, 18893), (507, 18938), (512, 18962), (517, 18992), (529, 19034), (534, 19052), (535, 19055), (543, 19091), (546, 19109), (551, 19121), (554, 19130), (560, 19157), (578, 19214), (580, 19226), (584, 19244), (586, 19253), (587, 19265), (593, 19301), (600, 19331), (605, 19340), (607, 19352), (620, 19412), (627, 19466), (644, 19568), (663, 19646), (674, 19703), (678, 19727), (685, 19781), (689, 19829), (694, 19850), (700, 19895), (701, 19898),

Gene: Che9d_24 Start: 17101, Stop: 19650, Start Num: 29

Candidate Starts for Che9d_24:

(26, 17092), (Start: 29 @17101 has 7 MA's), (Start: 45 @17161 has 236 MA's), (59, 17197), (102, 17296), (168, 17437), (186, 17476), (190, 17491), (208, 17527), (212, 17533), (213, 17536), (226, 17554), (233, 17578), (240, 17602), (241, 17605), (272, 17749), (275, 17758), (284, 17782), (288, 17806), (298, 17830), (300, 17836), (307, 17857), (308, 17860), (316, 17878), (327, 17908), (339,

17938), (345, 17959), (372, 18052), (376, 18067), (377, 18076), (381, 18097), (382, 18100), (392, 18142), (407, 18184), (408, 18187), (410, 18196), (416, 18223), (418, 18232), (424, 18271), (430, 18292), (432, 18295), (440, 18331), (444, 18352), (462, 18430), (463, 18433), (482, 18487), (493, 18547), (510, 18634), (512, 18640), (515, 18661), (526, 18697), (539, 18751), (541, 18760), (559, 18838), (563, 18856), (575, 18892), (576, 18895), (580, 18913), (584, 18931), (593, 18988), (596, 19000), (614, 19063), (620, 19096), (631, 19183), (641, 19231), (643, 19255), (651, 19282), (656, 19291), (662, 19330), (669, 19369), (674, 19393), (677, 19414), (689, 19510), (694, 19531), (702, 19591), (704, 19594), (708, 19621),

Gene: Cheesepuff_20 Start: 18248, Stop: 20785, Start Num: 45

Candidate Starts for Cheesepuff_20:

(Start: 45 @18248 has 236 MA's), (54, 18269), (Start: 61 @18290 has 1 MA's), (74, 18329), (109, 18398), (118, 18407), (120, 18410), (127, 18428), (149, 18461), (154, 18476), (204, 18629), (208, 18638), (228, 18683), (251, 18782), (252, 18785), (265, 18851), (275, 18896), (284, 18926), (286, 18932), (288, 18950), (298, 18974), (300, 18980), (301, 18983), (314, 19016), (316, 19022), (327, 19052), (343, 19091), (345, 19103), (348, 19112), (353, 19127), (354, 19130), (381, 19241), (382, 19244), (383, 19253), (384, 19259), (387, 19274), (389, 19277), (397, 19298), (407, 19328), (410, 19340), (417, 19373), (441, 19484), (442, 19487), (448, 19514), (449, 19520), (462, 19574), (463, 19577), (477, 19613), (489, 19664), (491, 19679), (493, 19691), (494, 19694), (507, 19760), (512, 19784), (515, 19805), (517, 19814), (534, 19874), (535, 19877), (543, 19913), (546, 19931), (551, 19943), (554, 19952), (560, 19979), (578, 20036), (580, 20048), (584, 20066), (586, 20075), (587, 20087), (593, 20123), (600, 20153), (605, 20162), (607, 20174), (614, 20198), (620, 20234), (627, 20288), (638, 20348), (644, 20390), (663, 20468), (674, 20525), (678, 20549), (685, 20603), (689, 20651), (699, 20693), (700, 20717), (701, 20720),

Gene: CheetoDust_27 Start: 20889, Stop: 23321, Start Num: 88

Candidate Starts for CheetoDust_27:

(Start: 88 @20889 has 96 MA's), (137, 20988), (223, 21249), (273, 21477), (282, 21507), (283, 21510), (289, 21540), (320, 21612), (329, 21636), (345, 21681), (381, 21834), (388, 21879), (391, 21891), (395, 21900), (410, 21951), (446, 22131), (450, 22146), (461, 22197), (466, 22215), (469, 22227), (482, 22269), (486, 22290), (494, 22332), (504, 22371), (505, 22377), (506, 22386), (510, 22407), (519, 22455), (525, 22467), (536, 22515), (554, 22584), (563, 22626), (583, 22695), (584, 22698), (586, 22707), (591, 22728), (611, 22821), (627, 22917), (638, 22980), (657, 23064), (671, 23145), (682, 23220),

Gene: Chevrolet_18 Start: 17438, Stop: 19975, Start Num: 45

Candidate Starts for Chevrolet_18:

(Start: 45 @17438 has 236 MA's), (54, 17459), (Start: 61 @17480 has 1 MA's), (74, 17519), (109, 17588), (118, 17597), (120, 17600), (127, 17618), (149, 17651), (154, 17666), (207, 17825), (208, 17828), (222, 17858), (228, 17873), (246, 17951), (251, 17972), (252, 17975), (265, 18041), (284, 18116), (286, 18122), (298, 18164), (300, 18170), (301, 18173), (314, 18206), (316, 18212), (327, 18242), (336, 18263), (345, 18293), (348, 18302), (377, 18410), (380, 18422), (381, 18431), (382, 18434), (383, 18443), (384, 18449), (387, 18464), (389, 18467), (397, 18488), (410, 18530), (417, 18563), (448, 18704), (449, 18710), (462, 18764), (463, 18767), (474, 18794), (489, 18854), (491, 18869), (493, 18881), (494, 18884), (507, 18950), (512, 18974), (515, 18995), (517, 19004), (534, 19064), (535, 19067), (543, 19103), (546, 19121), (551, 19133), (554, 19142), (560, 19169), (580, 19238), (584, 19256), (586, 19265), (587, 19277), (593, 19313), (600, 19343), (620, 19424), (627, 19478), (638, 19538), (644, 19580), (663, 19658), (674, 19715), (678, 19739), (685, 19793), (689, 19841), (699, 19883), (700, 19907), (701, 19910),

Gene: ChickenDinner_19 Start: 17271, Stop: 19796, Start Num: 45

Candidate Starts for ChickenDinner_19:

(Start: 45 @17271 has 236 MA's), (54, 17292), (Start: 61 @17313 has 1 MA's), (74, 17352), (109, 17421), (118, 17430), (120, 17433), (127, 17451), (149, 17484), (154, 17499), (168, 17547), (207, 17658), (208, 17661), (228, 17706), (246, 17784), (252, 17808), (265, 17874), (267, 17883), (284, 17949), (286, 17955), (288, 17973), (298, 17997), (300, 18003), (301, 18006), (314, 18039), (316, 18045), (327, 18075), (336, 18096), (348, 18135), (353, 18150), (355, 18156), (389, 18300), (407, 18351), (431, 18462), (442, 18513), (447, 18537), (474, 18630), (485, 18675), (488, 18684), (491, 18705), (493, 18717), (494, 18720), (504, 18765), (512, 18810), (514, 18828), (515, 18831), (529, 18882), (541, 18933), (543, 18939), (546, 18957), (551, 18969), (554, 18978), (561, 19011), (584, 19092), (596, 19161), (605, 19188), (611, 19215), (621, 19266), (627, 19314), (677, 19557), (689, 19662), (694, 19683), (703, 19737), (707, 19761),

Gene: ChosenOne_25 Start: 21491, Stop: 23887, Start Num: 81

Candidate Starts for ChosenOne_25:

(Start: 81 @21491 has 128 MA's), (163, 21668), (171, 21689), (238, 21836), (274, 22010), (284, 22043), (292, 22079), (327, 22172), (348, 22232), (354, 22250), (385, 22382), (399, 22427), (432, 22559), (441, 22604), (456, 22664), (488, 22778), (491, 22799), (500, 22838), (504, 22859), (506, 22874), (541, 23024), (543, 23030), (546, 23048), (561, 23102), (584, 23186), (605, 23279), (656, 23525), (689, 23741), (701, 23825), (708, 23858),

Gene: ChotaBhai_26 Start: 21533, Stop: 23929, Start Num: 81

Candidate Starts for ChotaBhai_26:

(Start: 81 @21533 has 128 MA's), (163, 21710), (171, 21731), (238, 21878), (267, 22019), (274, 22052), (284, 22085), (292, 22121), (327, 22214), (348, 22274), (354, 22292), (385, 22424), (399, 22469), (432, 22601), (441, 22646), (488, 22820), (491, 22841), (500, 22880), (504, 22901), (506, 22916), (543, 23072), (546, 23090), (561, 23144), (584, 23228), (605, 23321), (656, 23567), (689, 23783), (701, 23867), (708, 23900),

Gene: Chris_26 Start: 20139, Stop: 22598, Start Num: 88

Candidate Starts for Chris_26:

(Start: 88 @20139 has 96 MA's), (91, 20148), (107, 20187), (160, 20310), (180, 20367), (211, 20472), (230, 20520), (235, 20547), (270, 20709), (300, 20820), (303, 20829), (304, 20838), (310, 20859), (329, 20907), (361, 21009), (393, 21168), (415, 21249), (436, 21351), (446, 21405), (460, 21465), (478, 21528), (482, 21543), (483, 21555), (486, 21564), (494, 21606), (504, 21651), (506, 21666), (528, 21753), (533, 21777), (591, 22014), (612, 22110), (635, 22248), (652, 22332), (688, 22563), (689, 22569),

Gene: ChristmasHams_32 Start: 24089, Stop: 25942, Start Num: 264

Candidate Starts for ChristmasHams_32:

(Start: 264 @24089 has 216 MA's), (287, 24170), (313, 24236), (343, 24305), (344, 24308), (360, 24353), (368, 24380), (377, 24416), (385, 24458), (397, 24494), (417, 24566), (491, 24872), (509, 24974), (526, 25046), (546, 25133), (587, 25289), (640, 25520), (651, 25559), (653, 25562), (661, 25604), (696, 25826), (699, 25847), (704, 25883),

Gene: Chuckly_18 Start: 17569, Stop: 20106, Start Num: 45

Candidate Starts for Chuckly_18:

(41, 17557), (Start: 45 @17569 has 236 MA's), (54, 17590), (Start: 61 @17611 has 1 MA's), (74, 17650), (109, 17719), (118, 17728), (120, 17731), (127, 17749), (149, 17782), (154, 17797), (168, 17845), (207, 17956), (208, 17959), (222, 17989), (227, 18001), (228, 18004), (246, 18082), (252, 18106), (265, 18172), (275, 18217), (284, 18247), (286, 18253), (288, 18271), (298, 18295), (301, 18304), (314, 18337), (316, 18343), (327, 18373), (343, 18412), (345, 18424), (348, 18433), (353, 18448), (355, 18454), (381, 18562), (382, 18565), (383, 18574), (384, 18580), (387, 18595), (389, 18598), (397, 18619), (407, 18649), (410, 18661), (417, 18694), (432, 18760), (441, 18805), (442, 18808), (448, 18835), (449, 18841), (462, 18895), (463, 18898), (489, 18985), (491, 19000), (493,

19012), (494, 19015), (507, 19081), (512, 19105), (515, 19126), (517, 19135), (534, 19195), (535, 19198), (543, 19234), (546, 19252), (554, 19273), (560, 19300), (580, 19369), (584, 19387), (586, 19396), (587, 19408), (593, 19444), (600, 19474), (607, 19495), (614, 19519), (620, 19555), (627, 19609), (638, 19669), (644, 19711), (674, 19846), (678, 19870), (685, 19924), (689, 19972), (699, 20014), (700, 20038), (701, 20041),

Gene: Ciao_31 Start: 24041, Stop: 25894, Start Num: 264

Candidate Starts for Ciao_31:

(Start: 264 @24041 has 216 MA's), (287, 24122), (313, 24188), (343, 24257), (360, 24305), (368, 24332), (385, 24410), (397, 24446), (417, 24518), (491, 24824), (526, 24998), (546, 25085), (587, 25241), (599, 25301), (605, 25313), (640, 25472), (653, 25514), (661, 25556), (696, 25778), (704, 25835),

Gene: Cjw1_26 Start: 23044, Stop: 25440, Start Num: 81

Candidate Starts for Cjw1_26:

(Start: 81 @23044 has 128 MA's), (163, 23221), (171, 23242), (238, 23389), (274, 23563), (284, 23596), (292, 23632), (348, 23785), (354, 23803), (385, 23935), (399, 23980), (432, 24112), (441, 24157), (456, 24217), (488, 24331), (491, 24352), (500, 24391), (504, 24412), (506, 24427), (541, 24577), (543, 24583), (546, 24601), (561, 24655), (584, 24739), (605, 24832), (656, 25078), (689, 25294), (701, 25378), (708, 25411),

Gene: Clank_18 Start: 17552, Stop: 20029, Start Num: 45

Candidate Starts for Clank_18:

(Start: 45 @17552 has 236 MA's), (54, 17573), (Start: 61 @17594 has 1 MA's), (75, 17633), (109, 17702), (118, 17711), (120, 17714), (127, 17732), (149, 17765), (154, 17780), (186, 17867), (190, 17882), (208, 17918), (212, 17924), (230, 17957), (233, 17969), (272, 18140), (275, 18149), (284, 18173), (300, 18227), (314, 18263), (316, 18269), (327, 18299), (339, 18329), (345, 18350), (348, 18359), (353, 18374), (372, 18443), (389, 18524), (392, 18533), (399, 18554), (400, 18557), (410, 18587), (418, 18623), (428, 18674), (430, 18683), (432, 18686), (438, 18713), (440, 18722), (444, 18743), (462, 18821), (463, 18824), (485, 18896), (492, 18932), (493, 18938), (503, 18980), (504, 18986), (511, 19028), (512, 19031), (515, 19052), (516, 19058), (517, 19061), (526, 19091), (559, 19232), (561, 19241), (563, 19250), (574, 19283), (580, 19307), (581, 19310), (584, 19325), (587, 19346), (593, 19382), (595, 19388), (596, 19394), (601, 19415), (610, 19442), (631, 19577), (643, 19649), (645, 19655), (656, 19673), (674, 19772), (689, 19889), (702, 19970), (704, 19973), (708, 20000),

Gene: Clipper_27 Start: 20889, Stop: 23321, Start Num: 88

Candidate Starts for Clipper_27:

(Start: 88 @20889 has 96 MA's), (137, 20988), (223, 21249), (230, 21270), (273, 21477), (283, 21510), (289, 21540), (320, 21612), (329, 21636), (345, 21681), (381, 21834), (388, 21879), (391, 21891), (395, 21900), (410, 21951), (446, 22131), (450, 22146), (466, 22215), (469, 22227), (486, 22290), (494, 22332), (504, 22371), (505, 22377), (506, 22386), (510, 22407), (525, 22467), (554, 22584), (563, 22626), (584, 22698), (586, 22707), (591, 22728), (606, 22800), (611, 22821), (627, 22917), (671, 23145), (689, 23292),

Gene: Cloudyecho_22 Start: 20645, Stop: 23107, Start Num: 39

Candidate Starts for Cloudyecho_22:

(Start: 39 @20645 has 9 MA's), (73, 20750), (76, 20753), (145, 20873), (157, 20906), (159, 20915), (165, 20948), (205, 21053), (252, 21236), (265, 21296), (315, 21419), (330, 21458), (349, 21509), (376, 21605), (380, 21626), (390, 21680), (415, 21761), (417, 21770), (422, 21797), (446, 21917), (453, 21944), (467, 22004), (482, 22052), (484, 22067), (498, 22133), (529, 22268), (542, 22328), (546, 22352), (620, 22652), (626, 22703), (628, 22715), (643, 22811), (653, 22847), (672, 22940), (686, 23045),

Gene: Coco12_20 Start: 17795, Stop: 20272, Start Num: 45

Candidate Starts for Coco12_20:

(42, 17783), (Start: 45 @17795 has 236 MA's), (54, 17816), (Start: 61 @17837 has 1 MA's), (75, 17876), (109, 17945), (118, 17954), (120, 17957), (127, 17975), (149, 18008), (154, 18023), (186, 18110), (190, 18125), (208, 18161), (212, 18167), (230, 18200), (233, 18212), (272, 18383), (275, 18392), (284, 18416), (300, 18470), (314, 18506), (316, 18512), (327, 18542), (339, 18572), (345, 18593), (348, 18602), (372, 18686), (384, 18749), (389, 18767), (392, 18776), (399, 18797), (400, 18800), (407, 18818), (410, 18830), (416, 18857), (418, 18866), (428, 18917), (430, 18926), (432, 18929), (438, 18956), (440, 18965), (444, 18986), (462, 19064), (463, 19067), (492, 19175), (493, 19181), (504, 19229), (511, 19271), (512, 19274), (515, 19295), (516, 19301), (517, 19304), (526, 19334), (559, 19475), (563, 19493), (574, 19526), (580, 19550), (581, 19553), (584, 19568), (587, 19589), (593, 19625), (595, 19631), (601, 19658), (610, 19685), (631, 19820), (641, 19868), (643, 19892), (645, 19898), (656, 19916), (674, 20015), (677, 20036), (680, 20054), (689, 20132), (694, 20153), (704, 20216), (706, 20234), (712, 20252),

Gene: Command613_27 Start: 22552, Stop: 24948, Start Num: 81

Candidate Starts for Command613_27:

(Start: 81 @22552 has 128 MA's), (163, 22729), (171, 22750), (238, 22897), (267, 23038), (274, 23071), (284, 23104), (292, 23140), (327, 23233), (348, 23293), (354, 23311), (376, 23392), (432, 23620), (441, 23665), (491, 23860), (492, 23866), (494, 23875), (504, 23920), (506, 23935), (543, 24091), (546, 24109), (549, 24118), (584, 24247), (585, 24250), (626, 24460), (628, 24472), (656, 24586), (689, 24802), (701, 24886), (706, 24910), (708, 24919),

Gene: ConceptII_33 Start: 25055, Stop: 26908, Start Num: 264

Candidate Starts for ConceptII_33:

(Start: 264 @25055 has 216 MA's), (287, 25136), (313, 25202), (343, 25271), (360, 25319), (368, 25346), (385, 25424), (397, 25460), (417, 25532), (491, 25838), (526, 26012), (546, 26099), (587, 26255), (625, 26441), (640, 26486), (653, 26528), (661, 26570), (696, 26792), (699, 26813), (704, 26849),

Gene: Constella_33 Start: 29013, Stop: 30941, Start Num: 258

Candidate Starts for Constella_33:

(Start: 258 @29013 has 23 MA's), (318, 29208), (377, 29376), (389, 29433), (410, 29493), (411, 29502), (463, 29730), (477, 29766), (491, 29832), (501, 29877), (511, 29934), (512, 29937), (599, 30303), (642, 30519), (644, 30546), (653, 30567), (665, 30627), (675, 30681), (684, 30747),

Gene: Contagion_25 Start: 21791, Stop: 24187, Start Num: 81

Candidate Starts for Contagion_25:

(Start: 81 @21791 has 128 MA's), (163, 21968), (171, 21989), (238, 22136), (267, 22277), (274, 22310), (284, 22343), (292, 22379), (327, 22472), (348, 22532), (354, 22550), (385, 22682), (399, 22727), (432, 22859), (441, 22904), (488, 23078), (491, 23099), (500, 23138), (504, 23159), (506, 23174), (543, 23330), (546, 23348), (561, 23402), (584, 23486), (605, 23579), (656, 23825), (689, 24041), (701, 24125), (708, 24158),

Gene: Cookies_26 Start: 22153, Stop: 24549, Start Num: 81

Candidate Starts for Cookies_26:

(Start: 81 @22153 has 128 MA's), (163, 22330), (171, 22351), (238, 22498), (267, 22639), (274, 22672), (284, 22705), (292, 22741), (327, 22834), (348, 22894), (354, 22912), (385, 23044), (399, 23089), (432, 23221), (441, 23266), (456, 23326), (488, 23440), (491, 23461), (500, 23500), (504, 23521), (506, 23536), (541, 23686), (543, 23692), (546, 23710), (561, 23764), (584, 23848), (605, 23941), (656, 24187), (689, 24403), (701, 24487), (708, 24520),

Gene: Corium_18 Start: 17437, Stop: 19974, Start Num: 45

Candidate Starts for Corium_18:

(41, 17425), (Start: 45 @17437 has 236 MA's), (54, 17458), (Start: 61 @17479 has 1 MA's), (74, 17518), (109, 17587), (118, 17596), (120, 17599), (127, 17617), (149, 17650), (154, 17665), (168, 17713), (207, 17824), (208, 17827), (222, 17857), (227, 17869), (228, 17872), (246, 17950), (252, 17974), (265, 18040), (275, 18085), (284, 18115), (286, 18121), (288, 18139), (298, 18163), (301, 18172), (314, 18205), (316, 18211), (327, 18241), (343, 18280), (345, 18292), (348, 18301), (353, 18316), (354, 18319), (381, 18430), (382, 18433), (383, 18442), (384, 18448), (387, 18463), (389, 18466), (397, 18487), (407, 18517), (410, 18529), (417, 18562), (441, 18673), (442, 18676), (448, 18703), (449, 18709), (462, 18763), (463, 18766), (489, 18853), (491, 18868), (493, 18880), (494, 18883), (507, 18949), (512, 18973), (515, 18994), (517, 19003), (534, 19063), (535, 19066), (543, 19102), (546, 19120), (551, 19132), (554, 19141), (560, 19168), (580, 19237), (584, 19255), (586, 19264), (587, 19276), (593, 19312), (600, 19342), (607, 19363), (614, 19387), (620, 19423), (627, 19477), (638, 19537), (644, 19579), (663, 19657), (674, 19714), (678, 19738), (685, 19792), (689, 19840), (699, 19882), (700, 19906), (701, 19909),

Gene: Corndog_61 Start: 37139, Stop: 39649, Start Num: 66

Candidate Starts for Corndog_61:

(Start: 66 @37139 has 33 MA's), (73, 37172), (105, 37241), (106, 37244), (119, 37268), (130, 37292), (144, 37316), (155, 37349), (211, 37556), (217, 37568), (218, 37571), (255, 37718), (259, 37748), (265, 37772), (272, 37802), (273, 37805), (281, 37832), (288, 37856), (300, 37886), (320, 37943), (343, 38003), (345, 38015), (353, 38039), (354, 38042), (366, 38084), (387, 38180), (389, 38183), (453, 38438), (491, 38582), (504, 38642), (514, 38714), (515, 38717), (540, 38813), (584, 38987), (587, 39008), (610, 39101), (613, 39113), (627, 39203), (653, 39278), (662, 39323), (693, 39524), (700, 39578), (704, 39593),

Gene: Cornie_20 Start: 18264, Stop: 20744, Start Num: 46

Candidate Starts for Cornie_20:

(Start: 46 @18264 has 1 MA's), (49, 18270), (54, 18276), (Start: 81 @18339 has 128 MA's), (82, 18342), (93, 18369), (125, 18423), (127, 18432), (149, 18465), (158, 18498), (168, 18531), (186, 18570), (190, 18585), (208, 18621), (212, 18627), (213, 18630), (226, 18648), (230, 18660), (233, 18672), (240, 18696), (241, 18699), (262, 18804), (267, 18828), (272, 18843), (275, 18852), (284, 18876), (286, 18882), (288, 18900), (292, 18912), (296, 18918), (298, 18924), (300, 18930), (301, 18933), (304, 18942), (307, 18951), (314, 18966), (327, 19002), (343, 19041), (345, 19053), (348, 19062), (372, 19146), (389, 19227), (392, 19236), (400, 19260), (410, 19290), (418, 19326), (428, 19377), (430, 19386), (432, 19389), (438, 19416), (440, 19425), (444, 19446), (452, 19482), (462, 19524), (463, 19527), (482, 19581), (493, 19641), (510, 19728), (512, 19734), (515, 19755), (526, 19791), (539, 19845), (541, 19854), (559, 19932), (563, 19950), (575, 19986), (576, 19989), (580, 20007), (584, 20025), (593, 20082), (596, 20094), (614, 20157), (620, 20190), (631, 20277), (641, 20325), (643, 20349), (651, 20376), (656, 20385), (662, 20424), (669, 20463), (674, 20487), (677, 20508), (689, 20604), (694, 20625), (702, 20685), (704, 20688), (708, 20715),

Gene: Cornucopia_19 Start: 17435, Stop: 19972, Start Num: 45

Candidate Starts for Cornucopia_19:

(Start: 45 @17435 has 236 MA's), (54, 17456), (Start: 61 @17477 has 1 MA's), (74, 17516), (109, 17585), (118, 17594), (120, 17597), (127, 17615), (154, 17663), (204, 17816), (208, 17825), (228, 17870), (251, 17969), (252, 17972), (265, 18038), (284, 18113), (286, 18119), (288, 18137), (298, 18161), (301, 18170), (314, 18203), (316, 18209), (327, 18239), (336, 18260), (343, 18278), (345, 18290), (348, 18299), (353, 18314), (354, 18317), (381, 18428), (382, 18431), (383, 18440), (384, 18446), (387, 18461), (389, 18464), (397, 18485), (407, 18515), (410, 18527), (417, 18560), (441, 18671), (442, 18674), (448, 18701), (449, 18707), (462, 18761), (463, 18764), (480, 18812), (489, 18851), (491, 18866), (493, 18878), (494, 18881), (499, 18902), (507, 18947), (512, 18971), (517, 19001), (529, 19043), (534, 19061), (535, 19064), (543, 19100), (546, 19118), (551, 19130), (554,

19139), (561, 19172), (580, 19235), (584, 19253), (586, 19262), (587, 19274), (600, 19340), (607, 19361), (614, 19385), (620, 19421), (627, 19475), (638, 19535), (644, 19577), (663, 19655), (674, 19712), (678, 19736), (685, 19790), (689, 19838), (699, 19880), (700, 19904), (701, 19907),

Gene: Corvo_32 Start: 25050, Stop: 26903, Start Num: 264

Candidate Starts for Corvo_32:

(Start: 264 @25050 has 216 MA's), (287, 25131), (297, 25155), (313, 25197), (343, 25266), (360, 25314), (368, 25341), (377, 25377), (385, 25419), (397, 25455), (417, 25527), (491, 25833), (526, 26007), (546, 26094), (587, 26250), (599, 26310), (625, 26436), (640, 26481), (653, 26523), (661, 26565), (696, 26787), (704, 26844),

Gene: Cosmo_43 Start: 28347, Stop: 30914, Start Num: 36

Candidate Starts for Cosmo_43:

(Start: 36 @28347 has 6 MA's), (55, 28416), (100, 28539), (103, 28545), (104, 28548), (120, 28572), (129, 28593), (191, 28749), (193, 28755), (197, 28761), (216, 28791), (218, 28797), (226, 28818), (232, 28827), (245, 28887), (253, 28923), (261, 28965), (286, 29064), (293, 29097), (300, 29112), (301, 29115), (316, 29154), (336, 29205), (343, 29223), (348, 29244), (350, 29250), (359, 29277), (365, 29304), (381, 29373), (386, 29397), (392, 29418), (399, 29439), (403, 29448), (410, 29469), (417, 29502), (418, 29505), (428, 29556), (432, 29568), (445, 29634), (450, 29652), (458, 29691), (491, 29808), (501, 29853), (511, 29910), (515, 29934), (517, 29943), (522, 29961), (534, 30006), (541, 30039), (548, 30075), (592, 30249), (593, 30267), (595, 30273), (611, 30330), (672, 30654), (675, 30672), (683, 30723), (690, 30786), (704, 30861),

Gene: Courthouse_36 Start: 27742, Stop: 30249, Start Num: 45

Candidate Starts for Courthouse_36:

(Start: 45 @27742 has 236 MA's), (127, 27937), (149, 27973), (154, 27988), (186, 28075), (190, 28090), (230, 28165), (233, 28177), (241, 28204), (262, 28309), (272, 28348), (275, 28357), (284, 28381), (286, 28387), (288, 28405), (296, 28423), (301, 28438), (304, 28447), (307, 28456), (314, 28471), (323, 28498), (327, 28507), (343, 28546), (345, 28558), (348, 28567), (372, 28651), (389, 28732), (399, 28762), (400, 28765), (410, 28795), (416, 28822), (418, 28831), (428, 28882), (430, 28891), (432, 28894), (440, 28930), (444, 28951), (452, 28987), (492, 29140), (504, 29194), (512, 29239), (514, 29257), (515, 29260), (526, 29299), (559, 29446), (561, 29455), (581, 29524), (584, 29539), (620, 29704), (631, 29791), (641, 29839), (656, 29890), (669, 29968), (702, 30190), (704, 30193), (708, 30220),

Gene: CrimD_27 Start: 20850, Stop: 23282, Start Num: 88

Candidate Starts for CrimD_27:

(Start: 88 @20850 has 96 MA's), (137, 20949), (223, 21210), (273, 21438), (283, 21471), (289, 21501), (320, 21573), (329, 21597), (345, 21642), (381, 21795), (388, 21840), (391, 21852), (395, 21861), (406, 21897), (410, 21912), (446, 22092), (450, 22107), (466, 22176), (469, 22188), (486, 22251), (494, 22293), (504, 22332), (505, 22338), (506, 22347), (510, 22368), (525, 22428), (554, 22545), (563, 22587), (586, 22668), (591, 22689), (611, 22782), (627, 22878), (671, 23106),

Gene: Crispicous1_30 Start: 23627, Stop: 25480, Start Num: 264

Candidate Starts for Crispicous1_30:

(Start: 264 @23627 has 216 MA's), (287, 23708), (313, 23774), (343, 23843), (360, 23891), (368, 23918), (385, 23996), (397, 24032), (417, 24104), (491, 24410), (526, 24584), (546, 24671), (587, 24827), (625, 25013), (640, 25058), (653, 25100), (661, 25142), (696, 25364), (704, 25421),

Gene: CrystalP_26 Start: 22284, Stop: 24680, Start Num: 81

Candidate Starts for CrystalP_26:

(Start: 81 @22284 has 128 MA's), (163, 22461), (171, 22482), (238, 22629), (267, 22770), (274, 22803), (284, 22836), (292, 22872), (327, 22965), (348, 23025), (354, 23043), (376, 23124), (432,

23352), (441, 23397), (491, 23592), (492, 23598), (494, 23607), (504, 23652), (506, 23667), (543, 23823), (546, 23841), (549, 23850), (584, 23979), (585, 23982), (626, 24192), (628, 24204), (656, 24318), (689, 24534), (701, 24618), (706, 24642), (708, 24651),

Gene: Cueyllyss_31 Start: 24224, Stop: 26077, Start Num: 264

Candidate Starts for Cueyllyss_31:

(Start: 264 @24224 has 216 MA's), (287, 24305), (313, 24371), (343, 24440), (360, 24488), (368, 24515), (377, 24551), (385, 24593), (397, 24629), (417, 24701), (491, 25007), (526, 25181), (546, 25268), (587, 25424), (640, 25655), (653, 25697), (661, 25739), (696, 25961), (699, 25982), (704, 26018),

Gene: Czyszczone1_27 Start: 22029, Stop: 24425, Start Num: 81

Candidate Starts for Czyszczone1_27:

(Start: 81 @22029 has 128 MA's), (163, 22206), (171, 22227), (238, 22374), (274, 22548), (284, 22581), (292, 22617), (327, 22710), (348, 22770), (354, 22788), (385, 22920), (399, 22965), (432, 23097), (441, 23142), (456, 23202), (488, 23316), (491, 23337), (500, 23376), (504, 23397), (506, 23412), (541, 23562), (543, 23568), (546, 23586), (561, 23640), (584, 23724), (605, 23817), (656, 24063), (689, 24279), (701, 24363), (708, 24396),

Gene: DD5_32 Start: 24817, Stop: 26670, Start Num: 264

Candidate Starts for DD5_32:

(Start: 264 @24817 has 216 MA's), (266, 24835), (287, 24898), (313, 24964), (343, 25033), (344, 25036), (360, 25081), (368, 25108), (377, 25144), (385, 25186), (397, 25222), (417, 25294), (491, 25600), (509, 25702), (526, 25774), (546, 25861), (587, 26017), (625, 26203), (640, 26248), (653, 26290), (661, 26332), (696, 26554), (704, 26611),

Gene: DLane_18 Start: 17386, Stop: 19923, Start Num: 45

Candidate Starts for DLane_18:

(41, 17374), (Start: 45 @17386 has 236 MA's), (54, 17407), (Start: 61 @17428 has 1 MA's), (74, 17467), (109, 17536), (118, 17545), (120, 17548), (127, 17566), (149, 17599), (154, 17614), (168, 17662), (207, 17773), (208, 17776), (222, 17806), (224, 17809), (228, 17821), (246, 17899), (252, 17923), (265, 17989), (275, 18034), (284, 18064), (286, 18070), (288, 18088), (298, 18112), (301, 18121), (314, 18154), (316, 18160), (327, 18190), (345, 18241), (348, 18250), (353, 18265), (354, 18268), (381, 18379), (382, 18382), (383, 18391), (384, 18397), (387, 18412), (389, 18415), (397, 18436), (407, 18466), (410, 18478), (417, 18511), (441, 18622), (442, 18625), (448, 18652), (449, 18658), (462, 18712), (463, 18715), (491, 18817), (493, 18829), (494, 18832), (507, 18898), (512, 18922), (515, 18943), (517, 18952), (534, 19012), (535, 19015), (543, 19051), (546, 19069), (551, 19081), (554, 19090), (560, 19117), (580, 19186), (584, 19204), (586, 19213), (587, 19225), (593, 19261), (600, 19291), (607, 19312), (614, 19336), (620, 19372), (627, 19426), (638, 19486), (644, 19528), (663, 19606), (674, 19663), (678, 19687), (685, 19741), (689, 19789), (699, 19831), (700, 19855), (701, 19858),

Gene: DRBy19_18 Start: 17429, Stop: 19966, Start Num: 45

Candidate Starts for DRBy19_18:

(Start: 45 @17429 has 236 MA's), (54, 17450), (Start: 61 @17471 has 1 MA's), (74, 17510), (109, 17579), (118, 17588), (120, 17591), (127, 17609), (154, 17657), (204, 17810), (208, 17819), (228, 17864), (246, 17942), (252, 17966), (265, 18032), (275, 18077), (284, 18107), (286, 18113), (288, 18131), (298, 18155), (301, 18164), (314, 18197), (316, 18203), (327, 18233), (343, 18272), (348, 18293), (353, 18308), (354, 18311), (382, 18425), (383, 18434), (384, 18440), (389, 18458), (397, 18479), (407, 18509), (410, 18521), (417, 18554), (441, 18665), (442, 18668), (448, 18695), (449, 18701), (462, 18755), (463, 18758), (489, 18845), (491, 18860), (494, 18875), (512, 18965), (515, 18986), (517, 18995), (534, 19055), (535, 19058), (543, 19094), (546, 19112), (551, 19124), (554, 19133), (560, 19160), (580, 19229), (584, 19247), (586, 19256), (587, 19268), (593, 19304), (600,

19334), (607, 19355), (614, 19379), (620, 19415), (627, 19469), (644, 19571), (663, 19649), (674, 19706), (678, 19730), (685, 19784), (689, 19832), (699, 19874), (703, 19907), (704, 19910),

Gene: DaWorst_20 Start: 17930, Stop: 20467, Start Num: 45

Candidate Starts for DaWorst_20:

(Start: 45 @17930 has 236 MA's), (54, 17951), (Start: 61 @17972 has 1 MA's), (74, 18011), (109, 18080), (118, 18089), (120, 18092), (127, 18110), (149, 18143), (154, 18158), (207, 18317), (208, 18320), (222, 18350), (228, 18365), (246, 18443), (251, 18464), (252, 18467), (265, 18533), (284, 18608), (286, 18614), (298, 18656), (300, 18662), (301, 18665), (314, 18698), (316, 18704), (327, 18734), (336, 18755), (345, 18785), (348, 18794), (377, 18902), (380, 18914), (381, 18923), (382, 18926), (383, 18935), (384, 18941), (387, 18956), (389, 18959), (397, 18980), (410, 19022), (417, 19055), (448, 19196), (449, 19202), (462, 19256), (463, 19259), (474, 19286), (489, 19346), (491, 19361), (493, 19373), (494, 19376), (507, 19442), (512, 19466), (515, 19487), (517, 19496), (534, 19556), (535, 19559), (543, 19595), (546, 19613), (551, 19625), (554, 19634), (560, 19661), (580, 19730), (584, 19748), (586, 19757), (587, 19769), (593, 19805), (600, 19835), (620, 19916), (627, 19970), (638, 20030), (644, 20072), (663, 20150), (674, 20207), (678, 20231), (685, 20285), (689, 20333), (699, 20375), (700, 20399), (701, 20402),

Gene: DaddyRickover_18 Start: 17568, Stop: 20105, Start Num: 45

Candidate Starts for DaddyRickover_18:

(41, 17556), (Start: 45 @17568 has 236 MA's), (54, 17589), (Start: 61 @17610 has 1 MA's), (74, 17649), (109, 17718), (118, 17727), (120, 17730), (127, 17748), (154, 17796), (168, 17844), (207, 17955), (208, 17958), (228, 18003), (246, 18081), (252, 18105), (265, 18171), (275, 18216), (284, 18246), (286, 18252), (288, 18270), (298, 18294), (301, 18303), (314, 18336), (316, 18342), (327, 18372), (343, 18411), (345, 18423), (348, 18432), (353, 18447), (354, 18450), (381, 18561), (382, 18564), (383, 18573), (384, 18579), (387, 18594), (389, 18597), (397, 18618), (407, 18648), (410, 18660), (417, 18693), (441, 18804), (442, 18807), (448, 18834), (449, 18840), (462, 18894), (463, 18897), (491, 18999), (493, 19011), (494, 19014), (507, 19080), (512, 19104), (515, 19125), (517, 19134), (534, 19194), (535, 19197), (543, 19233), (546, 19251), (554, 19272), (560, 19299), (580, 19368), (584, 19386), (586, 19395), (587, 19407), (593, 19443), (607, 19494), (612, 19512), (620, 19554), (627, 19608), (644, 19710), (674, 19845), (678, 19869), (685, 19923), (694, 19992), (700, 20037), (701, 20040),

Gene: Daenerys_18 Start: 17400, Stop: 19937, Start Num: 45

Candidate Starts for Daenerys_18:

(41, 17388), (Start: 45 @17400 has 236 MA's), (54, 17421), (Start: 61 @17442 has 1 MA's), (74, 17481), (109, 17550), (118, 17559), (120, 17562), (127, 17580), (154, 17628), (168, 17676), (207, 17787), (208, 17790), (228, 17835), (246, 17913), (252, 17937), (265, 18003), (275, 18048), (284, 18078), (286, 18084), (288, 18102), (298, 18126), (301, 18135), (314, 18168), (316, 18174), (327, 18204), (343, 18243), (345, 18255), (348, 18264), (353, 18279), (354, 18282), (381, 18393), (382, 18396), (383, 18405), (384, 18411), (387, 18426), (389, 18429), (397, 18450), (407, 18480), (410, 18492), (417, 18525), (441, 18636), (442, 18639), (448, 18666), (449, 18672), (462, 18726), (463, 18729), (491, 18831), (493, 18843), (494, 18846), (507, 18912), (512, 18936), (515, 18957), (517, 18966), (534, 19026), (535, 19029), (543, 19065), (546, 19083), (554, 19104), (560, 19131), (580, 19200), (584, 19218), (586, 19227), (587, 19239), (593, 19275), (607, 19326), (612, 19344), (620, 19386), (627, 19440), (644, 19542), (674, 19677), (678, 19701), (685, 19755), (694, 19824), (700, 19869), (701, 19872),

Gene: Daikon_24 Start: 22021, Stop: 24417, Start Num: 81

Candidate Starts for Daikon_24:

(Start: 81 @22021 has 128 MA's), (163, 22198), (171, 22219), (238, 22366), (267, 22507), (274, 22540), (284, 22573), (292, 22609), (327, 22702), (348, 22762), (354, 22780), (392, 22936), (399, 22957), (428, 23077), (432, 23089), (441, 23134), (491, 23329), (494, 23344), (504, 23389), (506,

23404), (543, 23560), (546, 23578), (549, 23587), (584, 23716), (585, 23719), (626, 23929), (628, 23941), (656, 24055), (689, 24271), (701, 24355), (706, 24379), (708, 24388),

Gene: Dallas_40 Start: 29751, Stop: 31679, Start Num: 258

Candidate Starts for Dallas_40:

(Start: 258 @29751 has 23 MA's), (318, 29946), (377, 30114), (389, 30171), (403, 30210), (411, 30240), (424, 30306), (477, 30504), (491, 30570), (501, 30615), (512, 30675), (551, 30834), (599, 31041), (644, 31284), (653, 31305), (665, 31365), (675, 31419), (684, 31485), (688, 31524), (704, 31623),

Gene: Dalmuri_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Dalmuri_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Damien_29 Start: 25682, Stop: 28525, Start Num: 13

Candidate Starts for Damien_29:

(Start: 13 @25682 has 8 MA's), (Start: 20 @25814 has 1 MA's), (21, 25826), (22, 25835), (33, 25904), (35, 25910), (51, 25970), (57, 25991), (71, 26039), (89, 26081), (98, 26105), (115, 26138), (134, 26174), (142, 26186), (177, 26279), (197, 26336), (220, 26375), (254, 26501), (267, 26570), (273, 26600), (286, 26642), (301, 26693), (336, 26783), (343, 26801), (365, 26882), (376, 26921), (380, 26942), (417, 27080), (423, 27119), (440, 27182), (463, 27284), (514, 27509), (603, 27872), (610, 27899), (658, 28142), (661, 28175), (666, 28199), (684, 28319), (695, 28397), (711, 28484), (714, 28499), (715, 28505),

Gene: Dante_18 Start: 17416, Stop: 19953, Start Num: 45

Candidate Starts for Dante_18:

(41, 17404), (Start: 45 @17416 has 236 MA's), (54, 17437), (Start: 61 @17458 has 1 MA's), (74, 17497), (109, 17566), (118, 17575), (120, 17578), (127, 17596), (149, 17629), (154, 17644), (168, 17692), (204, 17797), (207, 17803), (208, 17806), (227, 17848), (228, 17851), (246, 17929), (252, 17953), (265, 18019), (275, 18064), (284, 18094), (286, 18100), (288, 18118), (298, 18142), (301, 18151), (314, 18184), (316, 18190), (327, 18220), (343, 18259), (345, 18271), (348, 18280), (353, 18295), (354, 18298), (381, 18409), (382, 18412), (383, 18421), (384, 18427), (387, 18442), (389, 18445), (397, 18466), (407, 18496), (417, 18541), (441, 18652), (442, 18655), (448, 18682), (449, 18688), (462, 18742), (463, 18745), (491, 18847), (493, 18859), (494, 18862), (507, 18928), (512, 18952), (515, 18973), (517, 18982), (534, 19042), (535, 19045), (543, 19081), (546, 19099), (551, 19111), (554, 19120), (560, 19147), (580, 19216), (584, 19234), (586, 19243), (587, 19255), (593, 19291), (600, 19321), (607, 19342), (614, 19366), (620, 19402), (627, 19456), (638, 19516), (644, 19558), (663, 19636), (674, 19693), (678, 19717), (685, 19771), (689, 19819), (699, 19861), (700, 19885), (701, 19888),

Gene: DartGoblin_27 Start: 20819, Stop: 23251, Start Num: 88

Candidate Starts for DartGoblin_27:

(Start: 81 @20801 has 128 MA's), (Start: 88 @20819 has 96 MA's), (107, 20867), (137, 20918), (223, 21179), (230, 21200), (283, 21440), (289, 21470), (291, 21473), (329, 21566), (334, 21578), (345, 21611), (381, 21764), (391, 21821), (395, 21830), (410, 21881), (446, 22061), (450, 22076), (466, 22145), (469, 22157), (480, 22193), (486, 22220), (494, 22262), (504, 22301), (505, 22307), (506, 22316), (510, 22337), (525, 22397), (534, 22430), (536, 22445), (554, 22514), (563, 22556), (584, 22628), (586, 22637), (591, 22658), (606, 22730), (627, 22847), (657, 22994), (671, 23075), (682,

23150), (689, 23222),

Gene: DeadP_18 Start: 17430, Stop: 19967, Start Num: 45

Candidate Starts for DeadP_18:

(41, 17418), (Start: 45 @17430 has 236 MA's), (54, 17451), (Start: 61 @17472 has 1 MA's), (74, 17511), (109, 17580), (118, 17589), (120, 17592), (127, 17610), (149, 17643), (154, 17658), (168, 17706), (204, 17811), (207, 17817), (208, 17820), (227, 17862), (228, 17865), (246, 17943), (265, 18033), (275, 18078), (284, 18108), (286, 18114), (288, 18132), (298, 18156), (301, 18165), (314, 18198), (316, 18204), (327, 18234), (343, 18273), (345, 18285), (348, 18294), (353, 18309), (354, 18312), (381, 18423), (382, 18426), (383, 18435), (384, 18441), (387, 18456), (389, 18459), (397, 18480), (407, 18510), (410, 18522), (417, 18555), (441, 18666), (442, 18669), (448, 18696), (449, 18702), (462, 18756), (463, 18759), (489, 18846), (491, 18861), (493, 18873), (494, 18876), (507, 18942), (512, 18966), (515, 18987), (517, 18996), (534, 19056), (535, 19059), (543, 19095), (546, 19113), (551, 19125), (554, 19134), (560, 19161), (580, 19230), (584, 19248), (586, 19257), (587, 19269), (593, 19305), (600, 19335), (607, 19356), (614, 19380), (620, 19416), (627, 19470), (638, 19530), (644, 19572), (674, 19707), (678, 19731), (685, 19785), (689, 19833), (699, 19875), (700, 19899), (701, 19902),

Gene: Deb65_18 Start: 17397, Stop: 19934, Start Num: 45

Candidate Starts for Deb65_18:

(Start: 45 @17397 has 236 MA's), (54, 17418), (Start: 61 @17439 has 1 MA's), (74, 17478), (109, 17547), (118, 17556), (120, 17559), (127, 17577), (154, 17625), (168, 17673), (207, 17784), (208, 17787), (228, 17832), (246, 17910), (252, 17934), (265, 18000), (284, 18075), (286, 18081), (288, 18099), (298, 18123), (301, 18132), (314, 18165), (316, 18171), (327, 18201), (336, 18222), (345, 18252), (348, 18261), (377, 18369), (380, 18381), (381, 18390), (382, 18393), (384, 18408), (387, 18423), (389, 18426), (397, 18447), (410, 18489), (417, 18522), (441, 18633), (442, 18636), (448, 18663), (449, 18669), (462, 18723), (463, 18726), (474, 18753), (491, 18828), (493, 18840), (494, 18843), (507, 18909), (511, 18930), (512, 18933), (515, 18954), (517, 18963), (529, 19005), (534, 19023), (535, 19026), (541, 19056), (546, 19080), (551, 19092), (554, 19101), (580, 19197), (584, 19215), (586, 19224), (587, 19236), (593, 19272), (600, 19302), (605, 19311), (607, 19323), (620, 19383), (627, 19437), (638, 19497), (644, 19539), (674, 19674), (678, 19698), (685, 19752), (689, 19800), (699, 19842), (700, 19866), (701, 19869),

Gene: Deby_27 Start: 20846, Stop: 23278, Start Num: 88

Candidate Starts for Deby_27:

(Start: 88 @20846 has 96 MA's), (137, 20945), (223, 21206), (230, 21227), (273, 21434), (283, 21467), (289, 21497), (320, 21569), (329, 21593), (381, 21791), (388, 21836), (391, 21848), (395, 21857), (410, 21908), (446, 22088), (450, 22103), (466, 22172), (469, 22184), (486, 22247), (494, 22289), (504, 22328), (505, 22334), (506, 22343), (510, 22364), (525, 22424), (534, 22457), (536, 22472), (537, 22475), (550, 22529), (554, 22541), (584, 22655), (586, 22664), (591, 22685), (606, 22757), (611, 22778), (627, 22874), (671, 23102), (689, 23249),

Gene: Demsculpinboyz_24 Start: 17086, Stop: 19635, Start Num: 29

Candidate Starts for Demsculpinboyz_24:

(26, 17077), (Start: 29 @17086 has 7 MA's), (Start: 45 @17146 has 236 MA's), (58, 17179), (59, 17182), (90, 17251), (102, 17281), (186, 17461), (190, 17476), (208, 17512), (212, 17518), (226, 17539), (233, 17563), (240, 17587), (272, 17734), (275, 17743), (284, 17767), (288, 17791), (298, 17815), (300, 17821), (307, 17842), (316, 17863), (327, 17893), (339, 17923), (345, 17944), (372, 18037), (376, 18052), (377, 18061), (379, 18070), (381, 18082), (382, 18085), (407, 18169), (408, 18172), (410, 18181), (416, 18208), (418, 18217), (424, 18256), (430, 18277), (432, 18280), (440, 18316), (444, 18337), (462, 18415), (463, 18418), (493, 18532), (510, 18619), (512, 18625), (515, 18646), (526, 18682), (539, 18736), (541, 18745), (559, 18823), (563, 18841), (575, 18877), (576, 18880), (580, 18898), (584, 18916), (593, 18973), (596, 18985), (614, 19048), (620, 19081), (631,

19168), (641, 19216), (643, 19240), (656, 19276), (662, 19315), (669, 19354), (674, 19378), (677, 19399), (689, 19495), (694, 19516), (702, 19576), (704, 19579), (708, 19606),

Gene: Devera_27 Start: 20893, Stop: 23325, Start Num: 88

Candidate Starts for Devera_27:

(Start: 88 @20893 has 96 MA's), (107, 20941), (137, 20992), (223, 21253), (230, 21274), (273, 21481), (283, 21514), (289, 21544), (320, 21616), (329, 21640), (345, 21685), (381, 21838), (391, 21895), (395, 21904), (406, 21940), (410, 21955), (446, 22135), (450, 22150), (466, 22219), (469, 22231), (486, 22294), (494, 22336), (504, 22375), (505, 22381), (506, 22390), (510, 22411), (525, 22471), (536, 22519), (550, 22576), (554, 22588), (563, 22630), (584, 22702), (586, 22711), (606, 22804), (611, 22825), (627, 22921), (637, 22975), (657, 23068), (671, 23149), (689, 23296),

Gene: Dexes_32 Start: 24779, Stop: 26632, Start Num: 264

Candidate Starts for Dexes_32:

(Start: 264 @24779 has 216 MA's), (287, 24860), (297, 24884), (313, 24926), (343, 24995), (360, 25043), (368, 25070), (385, 25148), (397, 25184), (417, 25256), (491, 25562), (526, 25736), (546, 25823), (587, 25979), (625, 26165), (640, 26210), (653, 26252), (661, 26294), (696, 26516), (699, 26537), (704, 26573),

Gene: DillTech15_18 Start: 17434, Stop: 19971, Start Num: 45

Candidate Starts for DillTech15_18:

(Start: 45 @17434 has 236 MA's), (54, 17455), (Start: 61 @17476 has 1 MA's), (74, 17515), (109, 17584), (118, 17593), (120, 17596), (127, 17614), (149, 17647), (154, 17662), (204, 17815), (208, 17824), (228, 17869), (251, 17968), (252, 17971), (265, 18037), (275, 18082), (284, 18112), (286, 18118), (288, 18136), (298, 18160), (300, 18166), (301, 18169), (314, 18202), (316, 18208), (327, 18238), (343, 18277), (345, 18289), (348, 18298), (353, 18313), (354, 18316), (381, 18427), (382, 18430), (383, 18439), (384, 18445), (387, 18460), (389, 18463), (397, 18484), (407, 18514), (410, 18526), (417, 18559), (441, 18670), (442, 18673), (448, 18700), (449, 18706), (462, 18760), (463, 18763), (489, 18850), (491, 18865), (493, 18877), (494, 18880), (507, 18946), (512, 18970), (515, 18991), (517, 19000), (534, 19060), (535, 19063), (543, 19099), (546, 19117), (551, 19129), (554, 19138), (560, 19165), (580, 19234), (584, 19252), (586, 19261), (587, 19273), (593, 19309), (600, 19339), (605, 19348), (607, 19360), (614, 19384), (620, 19420), (627, 19474), (638, 19534), (644, 19576), (674, 19711), (678, 19735), (685, 19789), (689, 19837), (699, 19879), (700, 19903), (701, 19906),

Gene: DirtDevil_33 Start: 25422, Stop: 27275, Start Num: 264

Candidate Starts for DirtDevil_33:

(Start: 264 @25422 has 216 MA's), (287, 25503), (313, 25569), (343, 25638), (360, 25686), (368, 25713), (385, 25791), (417, 25899), (491, 26205), (509, 26307), (526, 26379), (546, 26466), (587, 26622), (599, 26682), (640, 26853), (653, 26895), (661, 26937), (696, 27159), (699, 27180), (704, 27216),

Gene: DirtMcgirt_19 Start: 17221, Stop: 19758, Start Num: 45

Candidate Starts for DirtMcgirt_19:

(41, 17209), (Start: 45 @17221 has 236 MA's), (54, 17242), (Start: 61 @17263 has 1 MA's), (74, 17302), (109, 17371), (118, 17380), (120, 17383), (127, 17401), (149, 17434), (154, 17449), (168, 17497), (204, 17602), (208, 17611), (227, 17653), (228, 17656), (246, 17734), (252, 17758), (265, 17824), (275, 17869), (284, 17899), (286, 17905), (288, 17923), (298, 17947), (301, 17956), (314, 17989), (316, 17995), (327, 18025), (343, 18064), (345, 18076), (348, 18085), (353, 18100), (354, 18103), (381, 18214), (383, 18226), (384, 18232), (387, 18247), (389, 18250), (397, 18271), (407, 18301), (410, 18313), (417, 18346), (441, 18457), (442, 18460), (448, 18487), (449, 18493), (462, 18547), (463, 18550), (474, 18577), (491, 18652), (493, 18664), (494, 18667), (507, 18733), (512, 18757), (517, 18787), (529, 18829), (534, 18847), (535, 18850), (543, 18886), (546, 18904), (554,

18925), (560, 18952), (580, 19021), (584, 19039), (586, 19048), (587, 19060), (593, 19096), (600, 19126), (605, 19135), (607, 19147), (620, 19207), (627, 19261), (638, 19321), (644, 19363), (663, 19441), (674, 19498), (678, 19522), (685, 19576), (689, 19624), (699, 19666), (700, 19690), (701, 19693),

Gene: DmpstrDiver_37 Start: 30383, Stop: 32890, Start Num: 45

Candidate Starts for DmpstrDiver_37:

(31, 30326), (Start: 45 @30383 has 236 MA's), (127, 30578), (149, 30614), (154, 30629), (168, 30677), (190, 30731), (208, 30767), (212, 30773), (213, 30776), (226, 30794), (230, 30806), (233, 30818), (241, 30845), (262, 30950), (272, 30989), (275, 30998), (284, 31022), (286, 31028), (288, 31046), (296, 31064), (301, 31079), (304, 31088), (307, 31097), (314, 31112), (323, 31139), (327, 31148), (343, 31187), (345, 31199), (348, 31208), (372, 31292), (389, 31373), (399, 31403), (400, 31406), (410, 31436), (416, 31463), (418, 31472), (428, 31523), (430, 31532), (432, 31535), (440, 31571), (444, 31592), (452, 31628), (492, 31781), (504, 31835), (512, 31880), (514, 31898), (515, 31901), (526, 31940), (559, 32087), (561, 32096), (581, 32165), (584, 32180), (620, 32345), (631, 32432), (641, 32480), (656, 32531), (669, 32609), (702, 32831), (704, 32834), (708, 32861),

Gene: DoRead_18 Start: 17366, Stop: 19891, Start Num: 45

Candidate Starts for DoRead_18:

(Start: 45 @17366 has 236 MA's), (54, 17387), (83, 17456), (109, 17516), (118, 17525), (120, 17528), (127, 17546), (154, 17594), (168, 17642), (207, 17753), (208, 17756), (219, 17777), (224, 17789), (228, 17801), (246, 17879), (259, 17945), (267, 17978), (279, 18032), (284, 18044), (298, 18092), (300, 18098), (301, 18101), (304, 18110), (317, 18143), (333, 18182), (335, 18185), (342, 18200), (350, 18230), (352, 18236), (353, 18239), (354, 18242), (362, 18269), (366, 18287), (367, 18290), (379, 18341), (380, 18344), (383, 18365), (384, 18371), (385, 18374), (387, 18386), (389, 18389), (398, 18416), (407, 18440), (410, 18452), (428, 18539), (442, 18602), (444, 18611), (449, 18635), (480, 18740), (481, 18743), (491, 18794), (492, 18800), (493, 18806), (494, 18809), (504, 18854), (506, 18869), (511, 18896), (515, 18920), (517, 18929), (534, 18989), (535, 18992), (536, 19004), (546, 19046), (551, 19058), (561, 19100), (595, 19244), (612, 19307), (622, 19382), (665, 19583), (698, 19793), (703, 19832), (704, 19835),

Gene: DocMcStuffins_19 Start: 17271, Stop: 19796, Start Num: 45

Candidate Starts for DocMcStuffins_19:

(Start: 45 @17271 has 236 MA's), (54, 17292), (Start: 61 @17313 has 1 MA's), (74, 17352), (109, 17421), (118, 17430), (120, 17433), (127, 17451), (149, 17484), (154, 17499), (168, 17547), (207, 17658), (208, 17661), (228, 17706), (246, 17784), (252, 17808), (265, 17874), (267, 17883), (284, 17949), (286, 17955), (288, 17973), (298, 17997), (300, 18003), (301, 18006), (314, 18039), (316, 18045), (327, 18075), (336, 18096), (348, 18135), (353, 18150), (355, 18156), (389, 18300), (407, 18351), (431, 18462), (442, 18513), (447, 18537), (474, 18630), (485, 18675), (488, 18684), (491, 18705), (493, 18717), (494, 18720), (504, 18765), (512, 18810), (514, 18828), (515, 18831), (529, 18882), (541, 18933), (543, 18939), (546, 18957), (551, 18969), (554, 18978), (561, 19011), (584, 19092), (596, 19161), (605, 19188), (611, 19215), (621, 19266), (627, 19314), (677, 19557), (689, 19662), (694, 19683), (703, 19737), (707, 19761),

Gene: DoctorDiddles_26 Start: 21446, Stop: 23842, Start Num: 81

Candidate Starts for DoctorDiddles_26:

(Start: 81 @21446 has 128 MA's), (163, 21623), (171, 21644), (238, 21791), (274, 21965), (284, 21998), (292, 22034), (327, 22127), (348, 22187), (354, 22205), (385, 22337), (399, 22382), (432, 22514), (441, 22559), (456, 22619), (488, 22733), (491, 22754), (500, 22793), (504, 22814), (506, 22829), (541, 22979), (543, 22985), (546, 23003), (561, 23057), (584, 23141), (605, 23234), (656, 23480), (689, 23696), (701, 23780), (708, 23813),

Gene: Dole_27 Start: 20895, Stop: 23327, Start Num: 88

Candidate Starts for Dole_27:

(Start: 88 @20895 has 96 MA's), (107, 20943), (137, 20994), (223, 21255), (230, 21276), (273, 21483), (283, 21516), (289, 21546), (320, 21618), (329, 21642), (345, 21687), (381, 21840), (391, 21897), (395, 21906), (406, 21942), (410, 21957), (446, 22137), (450, 22152), (466, 22221), (469, 22233), (486, 22296), (494, 22338), (504, 22377), (505, 22383), (506, 22392), (510, 22413), (525, 22473), (536, 22521), (550, 22578), (554, 22590), (563, 22632), (584, 22704), (586, 22713), (606, 22806), (611, 22827), (627, 22923), (637, 22977), (657, 23070), (671, 23151), (689, 23298),

Gene: Donkeykong_18 Start: 17574, Stop: 20111, Start Num: 45

Candidate Starts for Donkeykong_18:

(41, 17562), (Start: 45 @17574 has 236 MA's), (54, 17595), (Start: 61 @17616 has 1 MA's), (74, 17655), (109, 17724), (118, 17733), (120, 17736), (127, 17754), (149, 17787), (154, 17802), (168, 17850), (207, 17961), (208, 17964), (222, 17994), (227, 18006), (228, 18009), (246, 18087), (252, 18111), (265, 18177), (275, 18222), (284, 18252), (286, 18258), (288, 18276), (298, 18300), (301, 18309), (314, 18342), (316, 18348), (327, 18378), (343, 18417), (345, 18429), (348, 18438), (353, 18453), (354, 18456), (381, 18567), (382, 18570), (383, 18579), (384, 18585), (387, 18600), (389, 18603), (397, 18624), (407, 18654), (410, 18666), (417, 18699), (432, 18765), (441, 18810), (442, 18813), (448, 18840), (449, 18846), (462, 18900), (463, 18903), (491, 19005), (493, 19017), (494, 19020), (507, 19086), (512, 19110), (515, 19131), (517, 19140), (534, 19200), (535, 19203), (543, 19239), (546, 19257), (551, 19269), (554, 19278), (560, 19305), (580, 19374), (584, 19392), (586, 19401), (587, 19413), (593, 19449), (600, 19479), (607, 19500), (614, 19524), (620, 19560), (627, 19614), (638, 19674), (644, 19716), (663, 19794), (674, 19851), (678, 19875), (685, 19929), (689, 19977), (699, 20019), (700, 20043), (701, 20046),

Gene: Doom_32 Start: 24887, Stop: 26740, Start Num: 264

Candidate Starts for Doom_32:

(Start: 264 @24887 has 216 MA's), (287, 24968), (313, 25034), (343, 25103), (344, 25106), (360, 25151), (368, 25178), (377, 25214), (385, 25256), (397, 25292), (417, 25364), (491, 25670), (526, 25844), (546, 25931), (577, 26033), (587, 26087), (625, 26273), (640, 26318), (653, 26360), (661, 26402), (696, 26624), (704, 26681),

Gene: Doomphist_18 Start: 17534, Stop: 20071, Start Num: 45

Candidate Starts for Doomphist_18:

(Start: 45 @17534 has 236 MA's), (54, 17555), (Start: 61 @17576 has 1 MA's), (74, 17615), (109, 17684), (118, 17693), (120, 17696), (127, 17714), (154, 17762), (207, 17921), (208, 17924), (228, 17969), (246, 18047), (252, 18071), (265, 18137), (284, 18212), (286, 18218), (288, 18236), (298, 18260), (300, 18266), (301, 18269), (314, 18302), (316, 18308), (327, 18338), (336, 18359), (345, 18389), (348, 18398), (377, 18506), (380, 18518), (381, 18527), (382, 18530), (384, 18545), (387, 18560), (389, 18563), (397, 18584), (410, 18626), (417, 18659), (441, 18770), (442, 18773), (448, 18800), (449, 18806), (462, 18860), (463, 18863), (474, 18890), (491, 18965), (493, 18977), (494, 18980), (507, 19046), (511, 19067), (512, 19070), (515, 19091), (517, 19100), (534, 19160), (535, 19163), (543, 19199), (546, 19217), (551, 19229), (554, 19238), (560, 19265), (578, 19322), (580, 19334), (584, 19352), (586, 19361), (587, 19373), (593, 19409), (600, 19439), (605, 19448), (607, 19460), (620, 19520), (627, 19574), (638, 19634), (644, 19676), (674, 19811), (678, 19835), (685, 19889), (689, 19937), (699, 19979), (700, 20003), (701, 20006),

Gene: Doomslug_20 Start: 17255, Stop: 19792, Start Num: 45

Candidate Starts for Doomslug_20:

(41, 17243), (Start: 45 @17255 has 236 MA's), (54, 17276), (Start: 61 @17297 has 1 MA's), (74, 17336), (109, 17405), (118, 17414), (120, 17417), (127, 17435), (149, 17468), (154, 17483), (168, 17531), (207, 17642), (208, 17645), (222, 17675), (227, 17687), (228, 17690), (246, 17768), (252, 17792), (265, 17858), (275, 17903), (284, 17933), (286, 17939), (288, 17957), (298, 17981), (301, 17990), (314, 18023), (316, 18029), (327, 18059), (343, 18098), (345, 18110), (348, 18119), (353,

18134), (354, 18137), (381, 18248), (382, 18251), (383, 18260), (384, 18266), (387, 18281), (389, 18284), (397, 18305), (407, 18335), (410, 18347), (417, 18380), (441, 18491), (442, 18494), (448, 18521), (449, 18527), (462, 18581), (463, 18584), (489, 18671), (491, 18686), (493, 18698), (494, 18701), (507, 18767), (512, 18791), (515, 18812), (517, 18821), (534, 18881), (535, 18884), (543, 18920), (546, 18938), (551, 18950), (554, 18959), (560, 18986), (580, 19055), (584, 19073), (586, 19082), (587, 19094), (593, 19130), (600, 19160), (607, 19181), (614, 19205), (620, 19241), (627, 19295), (638, 19355), (644, 19397), (663, 19475), (674, 19532), (678, 19556), (685, 19610), (689, 19658), (699, 19700), (700, 19724), (701, 19727),

Gene: Dorothy_18 Start: 17358, Stop: 19895, Start Num: 45

Candidate Starts for Dorothy_18:

(41, 17346), (Start: 45 @17358 has 236 MA's), (54, 17379), (Start: 61 @17400 has 1 MA's), (74, 17439), (109, 17508), (118, 17517), (120, 17520), (127, 17538), (154, 17586), (168, 17634), (207, 17745), (208, 17748), (228, 17793), (246, 17871), (252, 17895), (265, 17961), (275, 18006), (284, 18036), (286, 18042), (288, 18060), (298, 18084), (301, 18093), (314, 18126), (316, 18132), (327, 18162), (343, 18201), (345, 18213), (348, 18222), (353, 18237), (354, 18240), (381, 18351), (382, 18354), (383, 18363), (384, 18369), (387, 18384), (389, 18387), (397, 18408), (407, 18438), (410, 18450), (417, 18483), (441, 18594), (442, 18597), (448, 18624), (449, 18630), (462, 18684), (463, 18687), (491, 18789), (493, 18801), (494, 18804), (507, 18870), (512, 18894), (515, 18915), (517, 18924), (534, 18984), (535, 18987), (543, 19023), (546, 19041), (554, 19062), (560, 19089), (580, 19158), (584, 19176), (586, 19185), (587, 19197), (593, 19233), (607, 19284), (612, 19302), (620, 19344), (627, 19398), (644, 19500), (674, 19635), (678, 19659), (685, 19713), (694, 19782), (700, 19827), (701, 19830),

Gene: DosHalletts_19 Start: 17327, Stop: 19879, Start Num: 45

Candidate Starts for DosHalletts_19:

(Start: 45 @17327 has 236 MA's), (83, 17417), (109, 17477), (118, 17486), (120, 17489), (127, 17507), (154, 17555), (167, 17600), (207, 17714), (208, 17717), (215, 17729), (224, 17750), (227, 17759), (228, 17762), (246, 17840), (259, 17906), (267, 17939), (275, 17975), (282, 17999), (300, 18059), (301, 18062), (307, 18080), (333, 18143), (335, 18146), (343, 18164), (348, 18185), (354, 18203), (362, 18230), (367, 18251), (376, 18284), (383, 18326), (384, 18332), (385, 18335), (389, 18350), (398, 18377), (399, 18380), (407, 18401), (410, 18413), (417, 18446), (438, 18539), (462, 18647), (472, 18671), (474, 18677), (479, 18695), (480, 18698), (485, 18722), (491, 18752), (497, 18776), (504, 18812), (505, 18818), (506, 18827), (511, 18854), (523, 18917), (529, 18941), (530, 18956), (541, 18998), (555, 19049), (581, 19145), (584, 19160), (586, 19169), (590, 19193), (605, 19256), (614, 19292), (670, 19598), (678, 19643), (689, 19745),

Gene: DotProduct_18 Start: 17408, Stop: 19939, Start Num: 45

Candidate Starts for DotProduct_18:

(41, 17396), (Start: 45 @17408 has 236 MA's), (54, 17429), (Start: 61 @17450 has 1 MA's), (74, 17489), (109, 17558), (118, 17567), (120, 17570), (127, 17588), (149, 17621), (154, 17636), (168, 17678), (207, 17789), (208, 17792), (224, 17825), (227, 17834), (228, 17837), (246, 17915), (265, 18005), (275, 18050), (284, 18080), (286, 18086), (288, 18104), (298, 18128), (301, 18137), (314, 18170), (316, 18176), (327, 18206), (345, 18257), (348, 18266), (353, 18281), (354, 18284), (381, 18395), (382, 18398), (383, 18407), (384, 18413), (387, 18428), (389, 18431), (397, 18452), (407, 18482), (410, 18494), (417, 18527), (441, 18638), (442, 18641), (449, 18674), (462, 18728), (463, 18731), (491, 18833), (493, 18845), (494, 18848), (507, 18914), (512, 18938), (515, 18959), (517, 18968), (534, 19028), (535, 19031), (543, 19067), (546, 19085), (551, 19097), (554, 19106), (560, 19133), (580, 19202), (584, 19220), (586, 19229), (587, 19241), (593, 19277), (600, 19307), (607, 19328), (614, 19352), (620, 19388), (627, 19442), (638, 19502), (644, 19544), (663, 19622), (674, 19679), (678, 19703), (685, 19757), (689, 19805), (699, 19847), (700, 19871), (701, 19874),

Gene: Doug_19 Start: 17950, Stop: 20487, Start Num: 45

Candidate Starts for Doug_19:

(41, 17938), (Start: 45 @17950 has 236 MA's), (54, 17971), (Start: 61 @17992 has 1 MA's), (74, 18031), (109, 18100), (118, 18109), (120, 18112), (127, 18130), (149, 18163), (154, 18178), (168, 18226), (204, 18331), (207, 18337), (208, 18340), (227, 18382), (228, 18385), (246, 18463), (265, 18553), (275, 18598), (284, 18628), (286, 18634), (288, 18652), (298, 18676), (301, 18685), (314, 18718), (316, 18724), (327, 18754), (343, 18793), (345, 18805), (348, 18814), (353, 18829), (354, 18832), (381, 18943), (382, 18946), (383, 18955), (384, 18961), (387, 18976), (389, 18979), (397, 19000), (407, 19030), (410, 19042), (417, 19075), (432, 19141), (441, 19186), (442, 19189), (448, 19216), (449, 19222), (462, 19276), (463, 19279), (489, 19366), (491, 19381), (493, 19393), (494, 19396), (507, 19462), (512, 19486), (515, 19507), (517, 19516), (534, 19576), (535, 19579), (543, 19615), (546, 19633), (551, 19645), (554, 19654), (560, 19681), (580, 19750), (584, 19768), (586, 19777), (587, 19789), (593, 19825), (600, 19855), (607, 19876), (614, 19900), (620, 19936), (627, 19990), (638, 20050), (644, 20092), (663, 20170), (674, 20227), (678, 20251), (685, 20305), (689, 20353), (700, 20419), (701, 20422),

Gene: Dove_36 Start: 29249, Stop: 31177, Start Num: 258

Candidate Starts for Dove_36:

(Start: 258 @29249 has 23 MA's), (341, 29495), (381, 29633), (389, 29669), (407, 29717), (441, 29873), (462, 29963), (477, 30002), (491, 30068), (493, 30080), (494, 30083), (501, 30113), (512, 30173), (546, 30320), (554, 30341), (584, 30458), (594, 30518), (599, 30539), (617, 30617), (642, 30755), (653, 30803), (665, 30863), (675, 30917), (684, 30983), (696, 31064),

Gene: DrDrey_27 Start: 22776, Stop: 25172, Start Num: 81

Candidate Starts for DrDrey_27:

(Start: 81 @22776 has 128 MA's), (163, 22953), (171, 22974), (238, 23121), (274, 23295), (284, 23328), (292, 23364), (327, 23457), (348, 23517), (354, 23535), (385, 23667), (399, 23712), (432, 23844), (441, 23889), (456, 23949), (488, 24063), (491, 24084), (500, 24123), (504, 24144), (506, 24159), (541, 24309), (543, 24315), (546, 24333), (561, 24387), (584, 24471), (605, 24564), (656, 24810), (689, 25026), (701, 25110), (708, 25143),

Gene: DrFeelGood_30 Start: 24490, Stop: 26343, Start Num: 264

Candidate Starts for DrFeelGood_30:

(Start: 264 @24490 has 216 MA's), (287, 24571), (313, 24637), (343, 24706), (360, 24754), (368, 24781), (385, 24859), (397, 24895), (417, 24967), (491, 25273), (526, 25447), (546, 25534), (587, 25690), (625, 25876), (640, 25921), (653, 25963), (661, 26005), (696, 26227), (704, 26284),

Gene: DrHayes_27 Start: 20840, Stop: 23272, Start Num: 88

Candidate Starts for DrHayes_27:

(Start: 81 @20822 has 128 MA's), (Start: 88 @20840 has 96 MA's), (107, 20888), (137, 20939), (223, 21200), (230, 21221), (282, 21458), (283, 21461), (289, 21491), (291, 21494), (320, 21563), (329, 21587), (330, 21593), (334, 21599), (345, 21632), (381, 21785), (391, 21842), (395, 21851), (410, 21902), (446, 22082), (450, 22097), (466, 22166), (469, 22178), (480, 22214), (486, 22241), (494, 22283), (504, 22322), (505, 22328), (506, 22337), (510, 22358), (525, 22418), (534, 22451), (537, 22469), (554, 22535), (563, 22577), (584, 22649), (586, 22658), (591, 22679), (606, 22751), (627, 22868), (657, 23015), (671, 23096), (682, 23171), (689, 23243),

Gene: DrLupo_38 Start: 27172, Stop: 30258, Start Num: 2

Candidate Starts for DrLupo_38:

(1, 27145), (Start: 2 @27172 has 2 MA's), (3, 27175), (6, 27325), (7, 27328), (10, 27403), (11, 27412), (12, 27415), (16, 27484), (17, 27520), (Start: 20 @27595 has 1 MA's), (32, 27682), (40, 27718), (43, 27727), (50, 27748), (70, 27817), (80, 27841), (94, 27883), (95, 27886), (110, 27916), (135, 27958), (155, 28009), (175, 28090), (180, 28102), (199, 28162), (203, 28183), (211, 28222), (237, 28303), (244, 28336), (272, 28468), (285, 28507), (294, 28531), (307, 28546), (345, 28648), (349, 28660),

(353, 28672), (354, 28675), (399, 28852), (410, 28885), (415, 28909), (425, 28966), (467, 29152), (484, 29218), (494, 29266), (505, 29317), (508, 29341), (509, 29347), (529, 29419), (534, 29443), (536, 29458), (554, 29527), (653, 29998), (664, 30052), (686, 30196),

Gene: Drago_19 Start: 17219, Stop: 19756, Start Num: 45

Candidate Starts for Drago_19:

(41, 17207), (Start: 45 @17219 has 236 MA's), (54, 17240), (Start: 61 @17261 has 1 MA's), (74, 17300), (109, 17369), (118, 17378), (120, 17381), (127, 17399), (149, 17432), (154, 17447), (168, 17495), (204, 17600), (208, 17609), (227, 17651), (228, 17654), (246, 17732), (252, 17756), (265, 17822), (275, 17867), (284, 17897), (286, 17903), (288, 17921), (298, 17945), (301, 17954), (314, 17987), (316, 17993), (327, 18023), (343, 18062), (345, 18074), (348, 18083), (353, 18098), (354, 18101), (381, 18212), (383, 18224), (384, 18230), (387, 18245), (389, 18248), (397, 18269), (407, 18299), (410, 18311), (417, 18344), (432, 18410), (441, 18455), (442, 18458), (448, 18485), (449, 18491), (462, 18545), (463, 18548), (474, 18575), (491, 18650), (493, 18662), (494, 18665), (507, 18731), (512, 18755), (517, 18785), (529, 18827), (534, 18845), (535, 18848), (543, 18884), (546, 18902), (554, 18923), (560, 18950), (580, 19019), (584, 19037), (586, 19046), (587, 19058), (593, 19094), (600, 19124), (605, 19133), (607, 19145), (620, 19205), (627, 19259), (638, 19319), (644, 19361), (663, 19439), (674, 19496), (678, 19520), (685, 19574), (689, 19622), (699, 19664), (700, 19688), (701, 19691),

Gene: DreamCatcher_34 Start: 25457, Stop: 27310, Start Num: 264

Candidate Starts for DreamCatcher_34:

(Start: 264 @25457 has 216 MA's), (287, 25538), (313, 25604), (343, 25673), (360, 25721), (368, 25748), (385, 25826), (397, 25862), (417, 25934), (491, 26240), (526, 26414), (546, 26501), (587, 26657), (625, 26843), (640, 26888), (653, 26930), (661, 26972), (696, 27194), (704, 27251),

Gene: Dreamboat_32 Start: 24056, Stop: 25909, Start Num: 264

Candidate Starts for Dreamboat_32:

(Start: 264 @24056 has 216 MA's), (287, 24137), (313, 24203), (343, 24272), (360, 24320), (368, 24347), (385, 24425), (397, 24461), (417, 24533), (491, 24839), (526, 25013), (546, 25100), (587, 25256), (625, 25442), (640, 25487), (653, 25529), (661, 25571), (696, 25793), (704, 25850),

Gene: Duke13_36 Start: 29781, Stop: 32336, Start Num: 45

Candidate Starts for Duke13_36:

(30, 29724), (Start: 45 @29781 has 236 MA's), (127, 29976), (149, 30012), (154, 30027), (168, 30075), (207, 30186), (208, 30189), (228, 30234), (246, 30312), (252, 30336), (265, 30402), (275, 30447), (284, 30477), (286, 30483), (288, 30501), (298, 30525), (301, 30534), (314, 30567), (316, 30573), (327, 30603), (343, 30642), (345, 30654), (348, 30663), (353, 30678), (354, 30681), (381, 30792), (382, 30795), (383, 30804), (384, 30810), (387, 30825), (389, 30828), (397, 30849), (407, 30879), (410, 30891), (417, 30924), (441, 31035), (442, 31038), (448, 31065), (449, 31071), (462, 31125), (463, 31128), (491, 31230), (493, 31242), (494, 31245), (507, 31311), (512, 31335), (515, 31356), (517, 31365), (534, 31425), (535, 31428), (543, 31464), (546, 31482), (554, 31503), (560, 31530), (580, 31599), (584, 31617), (586, 31626), (587, 31638), (593, 31674), (607, 31725), (612, 31743), (620, 31785), (627, 31839), (644, 31941), (674, 32076), (678, 32100), (685, 32154), (694, 32223), (700, 32268), (701, 32271),

Gene: Dulcie_30 Start: 23753, Stop: 25606, Start Num: 264

Candidate Starts for Dulcie_30:

(Start: 264 @23753 has 216 MA's), (287, 23834), (313, 23900), (343, 23969), (351, 23993), (360, 24017), (368, 24044), (385, 24122), (397, 24158), (410, 24197), (417, 24230), (426, 24281), (491, 24536), (526, 24710), (546, 24797), (587, 24953), (640, 25184), (653, 25226), (661, 25268), (696, 25490), (704, 25547),

Gene: Dumbo_26 Start: 21751, Stop: 24147, Start Num: 81

Candidate Starts for Dumbo_26:

(Start: 81 @21751 has 128 MA's), (163, 21928), (171, 21949), (238, 22096), (274, 22270), (284, 22303), (292, 22339), (327, 22432), (348, 22492), (354, 22510), (385, 22642), (399, 22687), (432, 22819), (441, 22864), (456, 22924), (488, 23038), (491, 23059), (500, 23098), (504, 23119), (506, 23134), (541, 23284), (543, 23290), (546, 23308), (561, 23362), (584, 23446), (605, 23539), (656, 23785), (689, 24001), (701, 24085), (708, 24118),

Gene: Durfee_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Durfee_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Dusk_25 Start: 21943, Stop: 24339, Start Num: 81

Candidate Starts for Dusk_25:

(Start: 81 @21943 has 128 MA's), (163, 22120), (171, 22141), (238, 22288), (267, 22429), (274, 22462), (284, 22495), (292, 22531), (327, 22624), (348, 22684), (354, 22702), (376, 22783), (432, 23011), (441, 23056), (491, 23251), (492, 23257), (494, 23266), (504, 23311), (506, 23326), (543, 23482), (546, 23500), (549, 23509), (563, 23563), (584, 23638), (585, 23641), (626, 23851), (628, 23863), (656, 23977), (689, 24193), (701, 24277), (706, 24301), (708, 24310),

Gene: Dussy_32 Start: 24318, Stop: 26171, Start Num: 264

Candidate Starts for Dussy_32:

(Start: 264 @24318 has 216 MA's), (287, 24399), (297, 24423), (313, 24465), (343, 24534), (360, 24582), (368, 24609), (385, 24687), (397, 24723), (417, 24795), (491, 25101), (526, 25275), (546, 25362), (587, 25518), (625, 25704), (640, 25749), (653, 25791), (661, 25833), (673, 25893), (696, 26055), (704, 26112),

Gene: Dylan_58 Start: 36190, Stop: 38700, Start Num: 66

Candidate Starts for Dylan_58:

(Start: 66 @36190 has 33 MA's), (73, 36223), (105, 36292), (106, 36295), (119, 36319), (130, 36343), (144, 36367), (155, 36400), (211, 36607), (217, 36619), (218, 36622), (255, 36769), (259, 36799), (265, 36823), (272, 36853), (273, 36856), (281, 36883), (288, 36907), (300, 36937), (320, 36994), (343, 37054), (345, 37066), (353, 37090), (354, 37093), (366, 37135), (387, 37231), (389, 37234), (453, 37489), (491, 37633), (504, 37693), (514, 37765), (515, 37768), (540, 37864), (584, 38038), (587, 38059), (610, 38152), (613, 38164), (627, 38254), (653, 38329), (662, 38374), (693, 38575), (700, 38629), (704, 38644),

Gene: Dynamix_32 Start: 24135, Stop: 25988, Start Num: 264

Candidate Starts for Dynamix_32:

(Start: 264 @24135 has 216 MA's), (287, 24216), (313, 24282), (343, 24351), (360, 24399), (368, 24426), (377, 24462), (385, 24504), (397, 24540), (417, 24612), (491, 24918), (526, 25092), (546, 25179), (587, 25335), (640, 25566), (653, 25608), (661, 25650), (696, 25872), (699, 25893), (704, 25929),

Gene: Easy2Say_28 Start: 23534, Stop: 25930, Start Num: 81

Candidate Starts for Easy2Say_28:

(Start: 81 @23534 has 128 MA's), (163, 23711), (171, 23732), (238, 23879), (267, 24020), (274, 24053), (284, 24086), (292, 24122), (327, 24215), (348, 24275), (354, 24293), (385, 24425), (399,

24470), (432, 24602), (441, 24647), (456, 24707), (488, 24821), (491, 24842), (500, 24881), (504, 24902), (506, 24917), (541, 25067), (543, 25073), (546, 25091), (561, 25145), (584, 25229), (605, 25322), (656, 25568), (689, 25784), (701, 25868), (708, 25901),

Gene: Edtherson_32 Start: 24835, Stop: 26688, Start Num: 264

Candidate Starts for Edtherson_32:

(Start: 264 @24835 has 216 MA's), (287, 24916), (313, 24982), (343, 25051), (360, 25099), (368, 25126), (377, 25162), (385, 25204), (397, 25240), (417, 25312), (491, 25618), (526, 25792), (546, 25879), (587, 26035), (625, 26221), (640, 26266), (653, 26308), (661, 26350), (696, 26572), (704, 26629),

Gene: Efra2_27 Start: 20082, Stop: 22514, Start Num: 88

Candidate Starts for Efra2_27:

(Start: 88 @20082 has 96 MA's), (107, 20130), (108, 20133), (114, 20142), (223, 20442), (230, 20463), (283, 20703), (320, 20805), (329, 20829), (330, 20835), (345, 20874), (381, 21027), (391, 21084), (395, 21093), (410, 21144), (448, 21330), (450, 21339), (451, 21345), (461, 21390), (466, 21408), (486, 21483), (494, 21525), (504, 21564), (505, 21570), (506, 21579), (510, 21600), (519, 21648), (534, 21693), (536, 21708), (554, 21777), (563, 21819), (586, 21900), (606, 21993), (611, 22014), (627, 22110), (671, 22338), (679, 22392), (682, 22413), (689, 22485), (692, 22503),

Gene: Eish_18 Start: 17540, Stop: 20077, Start Num: 45

Candidate Starts for Eish_18:

(Start: 45 @17540 has 236 MA's), (54, 17561), (Start: 61 @17582 has 1 MA's), (74, 17621), (109, 17690), (118, 17699), (120, 17702), (127, 17720), (149, 17753), (154, 17768), (168, 17816), (204, 17921), (208, 17930), (228, 17975), (246, 18053), (252, 18077), (265, 18143), (284, 18218), (286, 18224), (288, 18242), (298, 18266), (300, 18272), (301, 18275), (314, 18308), (316, 18314), (327, 18344), (336, 18365), (345, 18395), (348, 18404), (377, 18512), (380, 18524), (381, 18533), (382, 18536), (383, 18545), (384, 18551), (387, 18566), (389, 18569), (397, 18590), (407, 18620), (410, 18632), (417, 18665), (418, 18668), (432, 18731), (448, 18806), (449, 18812), (462, 18866), (463, 18869), (474, 18896), (491, 18971), (493, 18983), (494, 18986), (507, 19052), (515, 19097), (517, 19106), (534, 19166), (535, 19169), (543, 19205), (546, 19223), (554, 19244), (580, 19340), (584, 19358), (586, 19367), (587, 19379), (593, 19415), (600, 19445), (620, 19526), (627, 19580), (644, 19682), (674, 19817), (678, 19841), (685, 19895), (689, 19943), (699, 19985), (700, 20009), (701, 20012),

Gene: Ejimix_39 Start: 30979, Stop: 32907, Start Num: 258

Candidate Starts for Ejimix_39:

(Start: 258 @30979 has 23 MA's), (341, 31225), (381, 31363), (389, 31399), (407, 31447), (441, 31603), (462, 31693), (477, 31732), (491, 31798), (493, 31810), (494, 31813), (501, 31843), (512, 31903), (546, 32050), (554, 32071), (584, 32188), (594, 32248), (599, 32269), (617, 32347), (642, 32485), (653, 32533), (665, 32593), (675, 32647), (684, 32713), (696, 32794),

Gene: EleanorGeorge_18 Start: 17568, Stop: 20105, Start Num: 45

Candidate Starts for EleanorGeorge_18:

(41, 17556), (Start: 45 @17568 has 236 MA's), (54, 17589), (Start: 61 @17610 has 1 MA's), (74, 17649), (109, 17718), (118, 17727), (120, 17730), (127, 17748), (149, 17781), (154, 17796), (168, 17844), (207, 17955), (208, 17958), (222, 17988), (227, 18000), (228, 18003), (246, 18081), (252, 18105), (265, 18171), (275, 18216), (284, 18246), (286, 18252), (288, 18270), (298, 18294), (301, 18303), (314, 18336), (316, 18342), (327, 18372), (343, 18411), (345, 18423), (348, 18432), (353, 18447), (354, 18450), (381, 18561), (382, 18564), (383, 18573), (384, 18579), (387, 18594), (389, 18597), (397, 18618), (407, 18648), (410, 18660), (417, 18693), (441, 18804), (442, 18807), (448, 18834), (449, 18840), (462, 18894), (463, 18897), (489, 18984), (491, 18999), (493, 19011), (494, 19014), (507, 19080), (512, 19104), (515, 19125), (517, 19134), (534, 19194), (535, 19197), (543,

19233), (546, 19251), (551, 19263), (554, 19272), (560, 19299), (580, 19368), (584, 19386), (586, 19395), (587, 19407), (593, 19443), (600, 19473), (607, 19494), (614, 19518), (620, 19554), (627, 19608), (638, 19668), (644, 19710), (663, 19788), (674, 19845), (678, 19869), (685, 19923), (689, 19971), (699, 20013), (700, 20037), (701, 20040),

Gene: Elite2014_25 Start: 21491, Stop: 23887, Start Num: 81

Candidate Starts for Elite2014_25:

(Start: 81 @21491 has 128 MA's), (163, 21668), (171, 21689), (238, 21836), (274, 22010), (284, 22043), (292, 22079), (327, 22172), (348, 22232), (354, 22250), (385, 22382), (399, 22427), (432, 22559), (441, 22604), (456, 22664), (488, 22778), (491, 22799), (500, 22838), (504, 22859), (506, 22874), (541, 23024), (543, 23030), (546, 23048), (561, 23102), (584, 23186), (605, 23279), (656, 23525), (689, 23741), (701, 23825), (708, 23858),

Gene: Elph10_27 Start: 21754, Stop: 24150, Start Num: 81

Candidate Starts for Elph10_27:

(Start: 81 @21754 has 128 MA's), (163, 21931), (171, 21952), (238, 22099), (274, 22273), (284, 22306), (292, 22342), (327, 22435), (348, 22495), (354, 22513), (385, 22645), (399, 22690), (432, 22822), (441, 22867), (456, 22927), (488, 23041), (491, 23062), (500, 23101), (504, 23122), (506, 23137), (541, 23287), (543, 23293), (546, 23311), (561, 23365), (584, 23449), (605, 23542), (656, 23788), (689, 24004), (701, 24088), (708, 24121),

Gene: Emerson_27 Start: 20872, Stop: 23304, Start Num: 88

Candidate Starts for Emerson_27:

(Start: 88 @20872 has 96 MA's), (137, 20971), (223, 21232), (230, 21253), (273, 21460), (283, 21493), (289, 21523), (320, 21595), (329, 21619), (345, 21664), (381, 21817), (388, 21862), (391, 21874), (395, 21883), (410, 21934), (446, 22114), (450, 22129), (466, 22198), (469, 22210), (486, 22273), (494, 22315), (504, 22354), (505, 22360), (506, 22369), (510, 22390), (525, 22450), (554, 22567), (563, 22609), (584, 22681), (586, 22690), (591, 22711), (606, 22783), (611, 22804), (627, 22900), (638, 22963), (671, 23128), (689, 23275),

Gene: EmiMonkey_18 Start: 17352, Stop: 19889, Start Num: 45

Candidate Starts for EmiMonkey_18:

(Start: 45 @17352 has 236 MA's), (54, 17373), (Start: 61 @17394 has 1 MA's), (74, 17433), (109, 17502), (118, 17511), (120, 17514), (127, 17532), (154, 17580), (204, 17733), (208, 17742), (228, 17787), (251, 17886), (252, 17889), (265, 17955), (284, 18030), (286, 18036), (288, 18054), (298, 18078), (300, 18084), (301, 18087), (314, 18120), (316, 18126), (327, 18156), (336, 18177), (345, 18207), (348, 18216), (353, 18231), (354, 18234), (381, 18345), (382, 18348), (383, 18357), (384, 18363), (387, 18378), (389, 18381), (397, 18402), (407, 18432), (410, 18444), (417, 18477), (441, 18588), (442, 18591), (448, 18618), (449, 18624), (462, 18678), (463, 18681), (491, 18783), (493, 18795), (494, 18798), (507, 18864), (512, 18888), (515, 18909), (517, 18918), (534, 18978), (535, 18981), (543, 19017), (546, 19035), (551, 19047), (554, 19056), (560, 19083), (578, 19140), (580, 19152), (584, 19170), (586, 19179), (587, 19191), (593, 19227), (600, 19257), (605, 19266), (607, 19278), (620, 19338), (627, 19392), (638, 19452), (644, 19494), (674, 19629), (678, 19653), (685, 19707), (689, 19755), (699, 19797), (700, 19821), (701, 19824),

Gene: Emma_18 Start: 17448, Stop: 19985, Start Num: 45

Candidate Starts for Emma_18:

(41, 17436), (Start: 45 @17448 has 236 MA's), (54, 17469), (Start: 61 @17490 has 1 MA's), (74, 17529), (109, 17598), (118, 17607), (120, 17610), (127, 17628), (149, 17661), (154, 17676), (168, 17724), (207, 17835), (208, 17838), (222, 17868), (228, 17883), (246, 17961), (252, 17985), (265, 18051), (275, 18096), (284, 18126), (286, 18132), (288, 18150), (298, 18174), (301, 18183), (314, 18216), (316, 18222), (327, 18252), (343, 18291), (345, 18303), (348, 18312), (353, 18327), (354, 18330), (381, 18441), (382, 18444), (383, 18453), (384, 18459), (387, 18474), (389, 18477), (397,

18498), (407, 18528), (410, 18540), (417, 18573), (432, 18639), (441, 18684), (442, 18687), (448, 18714), (449, 18720), (462, 18774), (463, 18777), (489, 18864), (491, 18879), (493, 18891), (494, 18894), (507, 18960), (512, 18984), (515, 19005), (517, 19014), (529, 19056), (534, 19074), (535, 19077), (543, 19113), (546, 19131), (551, 19143), (554, 19152), (560, 19179), (580, 19248), (584, 19266), (586, 19275), (587, 19287), (593, 19323), (600, 19353), (607, 19374), (614, 19398), (620, 19434), (627, 19488), (638, 19548), (644, 19590), (674, 19725), (678, 19749), (685, 19803), (689, 19851), (699, 19893), (700, 19917), (701, 19920),

Gene: Emmaloid_19 Start: 17189, Stop: 19726, Start Num: 45

Candidate Starts for Emmaloid_19:

(Start: 45 @17189 has 236 MA's), (54, 17210), (Start: 61 @17231 has 1 MA's), (74, 17270), (109, 17339), (118, 17348), (120, 17351), (127, 17369), (154, 17417), (204, 17570), (208, 17579), (228, 17624), (251, 17723), (252, 17726), (265, 17792), (284, 17867), (286, 17873), (288, 17891), (298, 17915), (300, 17921), (301, 17924), (314, 17957), (316, 17963), (327, 17993), (336, 18014), (345, 18044), (348, 18053), (353, 18068), (354, 18071), (381, 18182), (382, 18185), (383, 18194), (384, 18200), (387, 18215), (389, 18218), (397, 18239), (407, 18269), (410, 18281), (417, 18314), (441, 18425), (442, 18428), (448, 18455), (449, 18461), (462, 18515), (463, 18518), (491, 18620), (493, 18632), (494, 18635), (507, 18701), (512, 18725), (515, 18746), (517, 18755), (534, 18815), (535, 18818), (543, 18854), (546, 18872), (551, 18884), (554, 18893), (560, 18920), (578, 18977), (580, 18989), (584, 19007), (586, 19016), (587, 19028), (593, 19064), (600, 19094), (605, 19103), (607, 19115), (620, 19175), (627, 19229), (638, 19289), (644, 19331), (674, 19466), (678, 19490), (685, 19544), (689, 19592), (699, 19634), (700, 19658), (701, 19661),

Gene: Emmina_27 Start: 22115, Stop: 24511, Start Num: 81

Candidate Starts for Emmina_27:

(Start: 81 @22115 has 128 MA's), (163, 22292), (171, 22313), (238, 22460), (274, 22634), (284, 22667), (292, 22703), (327, 22796), (348, 22856), (354, 22874), (385, 23006), (399, 23051), (432, 23183), (441, 23228), (456, 23288), (488, 23402), (491, 23423), (500, 23462), (504, 23483), (506, 23498), (541, 23648), (543, 23654), (546, 23672), (561, 23726), (584, 23810), (605, 23903), (656, 24149), (689, 24365), (701, 24449), (708, 24482),

Gene: Empress_19 Start: 18749, Stop: 21286, Start Num: 45

Candidate Starts for Empress_19:

(41, 18737), (Start: 45 @18749 has 236 MA's), (54, 18770), (Start: 61 @18791 has 1 MA's), (74, 18830), (109, 18899), (118, 18908), (120, 18911), (127, 18929), (154, 18977), (168, 19025), (207, 19136), (208, 19139), (228, 19184), (246, 19262), (252, 19286), (265, 19352), (275, 19397), (284, 19427), (286, 19433), (288, 19451), (298, 19475), (301, 19484), (314, 19517), (316, 19523), (327, 19553), (343, 19592), (345, 19604), (348, 19613), (353, 19628), (354, 19631), (381, 19742), (382, 19745), (383, 19754), (384, 19760), (387, 19775), (389, 19778), (397, 19799), (407, 19829), (410, 19841), (417, 19874), (441, 19985), (442, 19988), (448, 20015), (449, 20021), (462, 20075), (463, 20078), (491, 20180), (493, 20192), (494, 20195), (507, 20261), (512, 20285), (515, 20306), (517, 20315), (534, 20375), (535, 20378), (543, 20414), (546, 20432), (554, 20453), (560, 20480), (578, 20537), (580, 20549), (584, 20567), (586, 20576), (587, 20588), (593, 20624), (600, 20654), (605, 20663), (607, 20675), (620, 20735), (627, 20789), (638, 20849), (644, 20891), (674, 21026), (678, 21050), (685, 21104), (689, 21152), (694, 21173), (700, 21218), (701, 21221),

Gene: Enby_19 Start: 17219, Stop: 19756, Start Num: 45

Candidate Starts for Enby_19:

(41, 17207), (Start: 45 @17219 has 236 MA's), (54, 17240), (Start: 61 @17261 has 1 MA's), (74, 17300), (109, 17369), (118, 17378), (120, 17381), (127, 17399), (149, 17432), (154, 17447), (168, 17495), (204, 17600), (208, 17609), (227, 17651), (228, 17654), (246, 17732), (252, 17756), (265, 17822), (275, 17867), (284, 17897), (286, 17903), (288, 17921), (298, 17945), (301, 17954), (314, 17987), (316, 17993), (327, 18023), (343, 18062), (345, 18074), (348, 18083), (353, 18098), (354,

18101), (381, 18212), (383, 18224), (384, 18230), (387, 18245), (389, 18248), (397, 18269), (407, 18299), (410, 18311), (417, 18344), (432, 18410), (441, 18455), (442, 18458), (448, 18485), (449, 18491), (462, 18545), (463, 18548), (474, 18575), (491, 18650), (493, 18662), (494, 18665), (507, 18731), (512, 18755), (517, 18785), (529, 18827), (534, 18845), (535, 18848), (543, 18884), (546, 18902), (554, 18923), (560, 18950), (580, 19019), (584, 19037), (586, 19046), (587, 19058), (593, 19094), (600, 19124), (605, 19133), (607, 19145), (620, 19205), (627, 19259), (638, 19319), (644, 19361), (663, 19439), (674, 19496), (678, 19520), (685, 19574), (689, 19622), (699, 19664), (700, 19688), (701, 19691),

Gene: EniyanLRS_40 Start: 28045, Stop: 30612, Start Num: 36

Candidate Starts for EniyanLRS_40:

(Start: 36 @28045 has 6 MA's), (55, 28114), (100, 28237), (103, 28243), (104, 28246), (120, 28270), (129, 28291), (191, 28447), (193, 28453), (197, 28459), (216, 28489), (218, 28495), (226, 28516), (232, 28525), (245, 28585), (261, 28663), (286, 28762), (293, 28795), (300, 28810), (301, 28813), (316, 28852), (336, 28903), (343, 28921), (348, 28942), (350, 28948), (365, 29002), (381, 29071), (386, 29095), (392, 29116), (399, 29137), (403, 29146), (410, 29167), (417, 29200), (418, 29203), (428, 29254), (432, 29266), (445, 29332), (450, 29350), (458, 29389), (491, 29506), (501, 29551), (511, 29608), (515, 29632), (517, 29641), (522, 29659), (534, 29704), (541, 29737), (548, 29773), (592, 29947), (593, 29965), (595, 29971), (611, 30028), (672, 30352), (675, 30370), (683, 30421), (690, 30484), (704, 30559),

Gene: EnzoK_32 Start: 24307, Stop: 26160, Start Num: 264

Candidate Starts for EnzoK_32:

(Start: 264 @24307 has 216 MA's), (287, 24388), (313, 24454), (343, 24523), (344, 24526), (360, 24571), (368, 24598), (377, 24634), (385, 24676), (397, 24712), (491, 25090), (509, 25192), (526, 25264), (546, 25351), (587, 25507), (640, 25738), (653, 25780), (661, 25822), (696, 26044), (699, 26065), (704, 26101),

Gene: Enzomatic_20 Start: 17446, Stop: 19983, Start Num: 45

Candidate Starts for Enzomatic_20:

(Start: 45 @17446 has 236 MA's), (54, 17467), (Start: 61 @17488 has 1 MA's), (72, 17524), (74, 17527), (109, 17596), (118, 17605), (120, 17608), (127, 17626), (149, 17659), (154, 17674), (168, 17722), (204, 17827), (207, 17833), (208, 17836), (227, 17878), (228, 17881), (252, 17983), (265, 18049), (275, 18094), (284, 18124), (286, 18130), (288, 18148), (298, 18172), (301, 18181), (314, 18214), (316, 18220), (336, 18271), (343, 18289), (345, 18301), (348, 18310), (353, 18325), (355, 18331), (381, 18439), (383, 18451), (384, 18457), (387, 18472), (389, 18475), (397, 18496), (407, 18526), (410, 18538), (417, 18571), (432, 18637), (441, 18682), (442, 18685), (448, 18712), (449, 18718), (462, 18772), (463, 18775), (489, 18862), (491, 18877), (493, 18889), (494, 18892), (507, 18958), (515, 19003), (517, 19012), (534, 19072), (535, 19075), (543, 19111), (546, 19129), (551, 19141), (554, 19150), (560, 19177), (580, 19246), (584, 19264), (586, 19273), (587, 19285), (593, 19321), (600, 19351), (607, 19372), (614, 19396), (620, 19432), (627, 19486), (638, 19546), (644, 19588), (663, 19666), (674, 19723), (678, 19747), (685, 19801), (689, 19849), (699, 19891), (700, 19915), (701, 19918),

Gene: Eradicator_18 Start: 17363, Stop: 19915, Start Num: 45

Candidate Starts for Eradicator_18:

(Start: 45 @17363 has 236 MA's), (54, 17384), (83, 17453), (109, 17513), (118, 17522), (120, 17525), (149, 17576), (154, 17591), (168, 17639), (207, 17750), (208, 17753), (224, 17786), (227, 17795), (228, 17798), (246, 17876), (259, 17942), (267, 17975), (279, 18029), (284, 18041), (298, 18089), (301, 18098), (304, 18107), (317, 18140), (335, 18182), (342, 18197), (350, 18227), (352, 18233), (353, 18236), (354, 18239), (362, 18266), (367, 18287), (376, 18320), (383, 18362), (384, 18368), (385, 18371), (387, 18383), (389, 18386), (398, 18413), (407, 18437), (410, 18449), (417, 18482), (421, 18503), (438, 18575), (442, 18596), (472, 18707), (479, 18731), (480, 18734), (485, 18758),

(491, 18788), (497, 18812), (504, 18848), (505, 18854), (506, 18863), (523, 18953), (529, 18977), (530, 18992), (541, 19034), (543, 19040), (555, 19085), (581, 19181), (584, 19196), (586, 19205), (590, 19229), (605, 19292), (627, 19418), (670, 19634), (678, 19679), (689, 19781), (704, 19859),

Gene: EricMillard_39 Start: 30512, Stop: 32440, Start Num: 258

Candidate Starts for EricMillard_39:

(Start: 258 @30512 has 23 MA's), (318, 30707), (377, 30875), (389, 30932), (403, 30971), (411, 31001), (424, 31067), (477, 31265), (491, 31331), (501, 31376), (512, 31436), (551, 31595), (599, 31802), (644, 32045), (653, 32066), (665, 32126), (675, 32180), (684, 32246), (688, 32285), (704, 32384),

Gene: Espresso_31 Start: 24199, Stop: 26052, Start Num: 264

Candidate Starts for Espresso_31:

(Start: 264 @24199 has 216 MA's), (266, 24217), (287, 24280), (313, 24346), (343, 24415), (344, 24418), (360, 24463), (368, 24490), (377, 24526), (385, 24568), (397, 24604), (417, 24676), (491, 24982), (526, 25156), (546, 25243), (577, 25345), (587, 25399), (625, 25585), (653, 25672), (661, 25714), (696, 25936), (704, 25993),

Gene: Estave1_18 Start: 17517, Stop: 20006, Start Num: 45

Candidate Starts for Estave1_18:

(Start: 45 @17517 has 236 MA's), (54, 17538), (Start: 61 @17559 has 1 MA's), (75, 17598), (109, 17667), (118, 17676), (120, 17679), (127, 17697), (149, 17730), (154, 17745), (168, 17793), (190, 17847), (208, 17883), (213, 17892), (226, 17910), (230, 17922), (233, 17934), (240, 17958), (241, 17961), (272, 18105), (275, 18114), (284, 18138), (288, 18162), (298, 18186), (300, 18192), (307, 18213), (316, 18234), (327, 18264), (339, 18294), (345, 18315), (372, 18408), (376, 18423), (377, 18432), (381, 18453), (382, 18456), (407, 18540), (408, 18543), (410, 18552), (416, 18579), (418, 18588), (424, 18627), (430, 18648), (432, 18651), (440, 18687), (444, 18708), (462, 18786), (463, 18789), (482, 18843), (493, 18903), (512, 18996), (515, 19017), (526, 19053), (539, 19107), (541, 19116), (559, 19194), (563, 19212), (575, 19248), (576, 19251), (580, 19269), (581, 19272), (584, 19287), (593, 19344), (596, 19356), (620, 19452), (631, 19539), (641, 19587), (643, 19611), (651, 19638), (656, 19647), (662, 19686), (669, 19725), (674, 19749), (677, 19770), (689, 19866), (694, 19887), (704, 19950), (708, 19977), (712, 19986),

Gene: Euphoria_31 Start: 24089, Stop: 25942, Start Num: 264

Candidate Starts for Euphoria_31:

(Start: 264 @24089 has 216 MA's), (287, 24170), (313, 24236), (343, 24305), (360, 24353), (368, 24380), (385, 24458), (397, 24494), (417, 24566), (491, 24872), (526, 25046), (546, 25133), (587, 25289), (625, 25475), (640, 25520), (653, 25562), (661, 25604), (696, 25826), (704, 25883),

Gene: Eureka_26 Start: 22269, Stop: 24665, Start Num: 81

Candidate Starts for Eureka_26:

(Start: 81 @22269 has 128 MA's), (163, 22446), (171, 22467), (238, 22614), (267, 22755), (274, 22788), (284, 22821), (292, 22857), (327, 22950), (348, 23010), (354, 23028), (376, 23109), (432, 23337), (441, 23382), (491, 23577), (492, 23583), (494, 23592), (504, 23637), (506, 23652), (543, 23808), (546, 23826), (549, 23835), (563, 23889), (584, 23964), (585, 23967), (626, 24177), (628, 24189), (656, 24303), (689, 24519), (701, 24603), (706, 24627), (708, 24636),

Gene: Eyeball_31 Start: 23894, Stop: 25747, Start Num: 264

Candidate Starts for Eyeball_31:

(Start: 264 @23894 has 216 MA's), (287, 23975), (313, 24041), (343, 24110), (360, 24158), (368, 24185), (377, 24221), (385, 24263), (397, 24299), (417, 24371), (491, 24677), (517, 24821), (526, 24851), (546, 24938), (587, 25094), (625, 25280), (640, 25325), (653, 25367), (661, 25409), (696, 25631), (704, 25688),

Gene: FairyPath_26 Start: 22481, Stop: 24877, Start Num: 81

Candidate Starts for FairyPath_26:

(Start: 81 @22481 has 128 MA's), (163, 22658), (171, 22679), (238, 22826), (267, 22967), (274, 23000), (284, 23033), (292, 23069), (327, 23162), (348, 23222), (354, 23240), (392, 23396), (399, 23417), (428, 23537), (432, 23549), (441, 23594), (491, 23789), (492, 23795), (494, 23804), (504, 23849), (506, 23864), (543, 24020), (546, 24038), (549, 24047), (563, 24101), (584, 24176), (585, 24179), (626, 24389), (628, 24401), (656, 24515), (689, 24731), (701, 24815), (706, 24839), (708, 24848),

Gene: Fajezeel_33 Start: 24404, Stop: 26257, Start Num: 264

Candidate Starts for Fajezeel_33:

(Start: 264 @24404 has 216 MA's), (287, 24485), (313, 24551), (343, 24620), (360, 24668), (368, 24695), (385, 24773), (397, 24809), (491, 25187), (526, 25361), (546, 25448), (587, 25604), (640, 25835), (653, 25877), (661, 25919), (696, 26141), (704, 26198),

Gene: Familton_59 Start: 36102, Stop: 38612, Start Num: 66

Candidate Starts for Familton_59:

(Start: 66 @36102 has 33 MA's), (73, 36135), (105, 36204), (106, 36207), (119, 36231), (130, 36255), (144, 36279), (155, 36312), (211, 36519), (217, 36531), (218, 36534), (255, 36681), (259, 36711), (265, 36735), (272, 36765), (273, 36768), (281, 36795), (288, 36819), (300, 36849), (320, 36906), (329, 36930), (343, 36966), (345, 36978), (353, 37002), (354, 37005), (366, 37047), (387, 37143), (389, 37146), (453, 37401), (491, 37545), (504, 37605), (514, 37677), (515, 37680), (540, 37776), (584, 37950), (587, 37971), (610, 38064), (613, 38076), (627, 38166), (653, 38241), (662, 38286), (693, 38487), (700, 38541), (704, 38556),

Gene: Fancypants_18 Start: 17408, Stop: 19945, Start Num: 45

Candidate Starts for Fancypants_18:

(41, 17396), (Start: 45 @17408 has 236 MA's), (54, 17429), (Start: 61 @17450 has 1 MA's), (74, 17489), (109, 17558), (118, 17567), (120, 17570), (127, 17588), (149, 17621), (154, 17636), (168, 17684), (207, 17795), (208, 17798), (222, 17828), (227, 17840), (228, 17843), (246, 17921), (252, 17945), (265, 18011), (275, 18056), (284, 18086), (286, 18092), (288, 18110), (298, 18134), (301, 18143), (314, 18176), (316, 18182), (327, 18212), (343, 18251), (345, 18263), (348, 18272), (353, 18287), (354, 18290), (381, 18401), (382, 18404), (383, 18413), (384, 18419), (387, 18434), (389, 18437), (397, 18458), (407, 18488), (410, 18500), (417, 18533), (441, 18644), (442, 18647), (448, 18674), (449, 18680), (462, 18734), (463, 18737), (491, 18839), (493, 18851), (494, 18854), (507, 18920), (512, 18944), (515, 18965), (517, 18974), (534, 19034), (535, 19037), (536, 19049), (543, 19073), (546, 19091), (551, 19103), (554, 19112), (560, 19139), (580, 19208), (584, 19226), (586, 19235), (587, 19247), (593, 19283), (600, 19313), (607, 19334), (614, 19358), (620, 19394), (627, 19448), (638, 19508), (644, 19550), (663, 19628), (674, 19685), (678, 19709), (685, 19763), (689, 19811), (699, 19853), (700, 19877), (701, 19880),

Gene: Fascinus_30 Start: 23911, Stop: 25764, Start Num: 264

Candidate Starts for Fascinus_30:

(Start: 264 @23911 has 216 MA's), (287, 23992), (297, 24016), (313, 24058), (343, 24127), (360, 24175), (368, 24202), (385, 24280), (397, 24316), (417, 24388), (491, 24694), (526, 24868), (546, 24955), (587, 25111), (625, 25297), (640, 25342), (653, 25384), (661, 25426), (696, 25648), (704, 25705),

Gene: Fastidio_18 Start: 17365, Stop: 19902, Start Num: 45

Candidate Starts for Fastidio_18:

(41, 17353), (Start: 45 @17365 has 236 MA's), (54, 17386), (Start: 61 @17407 has 1 MA's), (74, 17446), (109, 17515), (118, 17524), (120, 17527), (127, 17545), (149, 17578), (154, 17593), (168,

17641), (207, 17752), (208, 17755), (222, 17785), (227, 17797), (228, 17800), (246, 17878), (252, 17902), (265, 17968), (275, 18013), (284, 18043), (286, 18049), (288, 18067), (298, 18091), (301, 18100), (314, 18133), (316, 18139), (327, 18169), (343, 18208), (345, 18220), (348, 18229), (353, 18244), (354, 18247), (381, 18358), (382, 18361), (383, 18370), (384, 18376), (387, 18391), (389, 18394), (397, 18415), (407, 18445), (410, 18457), (417, 18490), (441, 18601), (442, 18604), (448, 18631), (449, 18637), (462, 18691), (463, 18694), (489, 18781), (491, 18796), (493, 18808), (494, 18811), (507, 18877), (511, 18898), (512, 18901), (515, 18922), (529, 18973), (534, 18991), (535, 18994), (543, 19030), (546, 19048), (551, 19060), (554, 19069), (578, 19153), (580, 19165), (584, 19183), (586, 19192), (587, 19204), (593, 19240), (600, 19270), (614, 19315), (620, 19351), (627, 19405), (644, 19507), (663, 19585), (674, 19642), (678, 19666), (685, 19720), (689, 19768), (699, 19810), (700, 19834), (701, 19837),

Gene: Fenn_32 Start: 25722, Stop: 27575, Start Num: 264

Candidate Starts for Fenn_32:

(Start: 264 @25722 has 216 MA's), (287, 25803), (313, 25869), (343, 25938), (360, 25986), (368, 26013), (377, 26049), (385, 26091), (397, 26127), (417, 26199), (491, 26505), (526, 26679), (546, 26766), (587, 26922), (640, 27153), (653, 27195), (661, 27237), (696, 27459), (704, 27516),

Gene: Filch_27 Start: 22042, Stop: 24438, Start Num: 81

Candidate Starts for Filch_27:

(Start: 81 @22042 has 128 MA's), (163, 22219), (171, 22240), (238, 22387), (267, 22528), (274, 22561), (284, 22594), (292, 22630), (327, 22723), (348, 22783), (354, 22801), (385, 22933), (399, 22978), (432, 23110), (441, 23155), (456, 23215), (488, 23329), (491, 23350), (500, 23389), (504, 23410), (506, 23425), (541, 23575), (543, 23581), (546, 23599), (561, 23653), (584, 23737), (605, 23830), (656, 24076), (689, 24292), (701, 24376), (708, 24409),

Gene: Filuzino_18 Start: 17390, Stop: 19927, Start Num: 45

Candidate Starts for Filuzino_18:

(41, 17378), (Start: 45 @17390 has 236 MA's), (54, 17411), (Start: 61 @17432 has 1 MA's), (74, 17471), (109, 17540), (118, 17549), (120, 17552), (127, 17570), (149, 17603), (154, 17618), (168, 17666), (207, 17777), (208, 17780), (222, 17810), (228, 17825), (246, 17903), (252, 17927), (265, 17993), (275, 18038), (284, 18068), (286, 18074), (288, 18092), (298, 18116), (301, 18125), (314, 18158), (316, 18164), (327, 18194), (343, 18233), (345, 18245), (348, 18254), (353, 18269), (354, 18272), (381, 18383), (382, 18386), (383, 18395), (384, 18401), (387, 18416), (389, 18419), (397, 18440), (407, 18470), (410, 18482), (417, 18515), (441, 18626), (442, 18629), (448, 18656), (449, 18662), (462, 18716), (463, 18719), (491, 18821), (493, 18833), (494, 18836), (507, 18902), (512, 18926), (515, 18947), (517, 18956), (534, 19016), (535, 19019), (543, 19055), (546, 19073), (551, 19085), (554, 19094), (560, 19121), (580, 19190), (584, 19208), (586, 19217), (587, 19229), (593, 19265), (600, 19295), (607, 19316), (614, 19340), (620, 19376), (627, 19430), (638, 19490), (644, 19532), (663, 19610), (674, 19667), (678, 19691), (685, 19745), (689, 19793), (699, 19835), (700, 19859), (701, 19862),

Gene: FireRed_26 Start: 22312, Stop: 24708, Start Num: 81

Candidate Starts for FireRed_26:

(Start: 81 @22312 has 128 MA's), (163, 22489), (171, 22510), (238, 22657), (267, 22798), (274, 22831), (284, 22864), (292, 22900), (327, 22993), (348, 23053), (354, 23071), (385, 23203), (399, 23248), (432, 23380), (441, 23425), (456, 23485), (488, 23599), (491, 23620), (500, 23659), (504, 23680), (506, 23695), (541, 23845), (543, 23851), (546, 23869), (561, 23923), (584, 24007), (605, 24100), (656, 24346), (689, 24562), (701, 24646), (708, 24679),

Gene: Firecracker_59 Start: 36292, Stop: 38802, Start Num: 66

Candidate Starts for Firecracker_59:

(Start: 66 @36292 has 33 MA's), (73, 36325), (105, 36394), (106, 36397), (119, 36421), (130, 36445), (144, 36469), (155, 36502), (211, 36709), (217, 36721), (218, 36724), (255, 36871), (259, 36901), (265, 36925), (272, 36955), (273, 36958), (281, 36985), (288, 37009), (300, 37039), (320, 37096), (343, 37156), (345, 37168), (353, 37192), (354, 37195), (366, 37237), (387, 37333), (389, 37336), (441, 37540), (453, 37591), (491, 37735), (504, 37795), (514, 37867), (515, 37870), (540, 37966), (584, 38140), (587, 38161), (610, 38254), (613, 38266), (627, 38356), (653, 38431), (662, 38476), (693, 38677), (700, 38731), (704, 38746),

Gene: Firehouse51_19 Start: 17957, Stop: 20494, Start Num: 45

Candidate Starts for Firehouse51_19:

(41, 17945), (Start: 45 @17957 has 236 MA's), (54, 17978), (Start: 61 @17999 has 1 MA's), (74, 18038), (109, 18107), (118, 18116), (120, 18119), (127, 18137), (149, 18170), (154, 18185), (168, 18233), (207, 18344), (208, 18347), (222, 18377), (227, 18389), (228, 18392), (246, 18470), (252, 18494), (265, 18560), (275, 18605), (284, 18635), (286, 18641), (288, 18659), (298, 18683), (301, 18692), (314, 18725), (316, 18731), (327, 18761), (343, 18800), (345, 18812), (348, 18821), (353, 18836), (354, 18839), (381, 18950), (382, 18953), (383, 18962), (384, 18968), (387, 18983), (389, 18986), (397, 19007), (407, 19037), (410, 19049), (417, 19082), (441, 19193), (442, 19196), (448, 19223), (449, 19229), (462, 19283), (463, 19286), (491, 19388), (493, 19400), (494, 19403), (507, 19469), (512, 19493), (515, 19514), (517, 19523), (534, 19583), (535, 19586), (543, 19622), (546, 19640), (551, 19652), (554, 19661), (560, 19688), (580, 19757), (584, 19775), (586, 19784), (587, 19796), (593, 19832), (600, 19862), (607, 19883), (614, 19907), (620, 19943), (627, 19997), (638, 20057), (644, 20099), (663, 20177), (674, 20234), (678, 20258), (685, 20312), (689, 20360), (699, 20402), (700, 20426), (701, 20429),

Gene: FlagStaff_22 Start: 20643, Stop: 23102, Start Num: 39

Candidate Starts for FlagStaff_22:

(Start: 39 @20643 has 9 MA's), (60, 20703), (76, 20751), (165, 20946), (252, 21234), (274, 21336), (283, 21360), (349, 21504), (354, 21519), (376, 21600), (390, 21675), (410, 21732), (415, 21756), (422, 21792), (461, 21978), (467, 21999), (482, 22047), (484, 22062), (498, 22128), (506, 22170), (529, 22263), (531, 22281), (546, 22347), (565, 22428), (588, 22494), (620, 22647), (632, 22737), (643, 22806), (653, 22842), (672, 22935), (686, 23040), (688, 23076),

Gene: Flathead_19 Start: 17265, Stop: 19802, Start Num: 45

Candidate Starts for Flathead_19:

(41, 17253), (Start: 45 @17265 has 236 MA's), (54, 17286), (Start: 61 @17307 has 1 MA's), (74, 17346), (109, 17415), (118, 17424), (120, 17427), (127, 17445), (149, 17478), (154, 17493), (168, 17541), (207, 17652), (208, 17655), (222, 17685), (227, 17697), (228, 17700), (246, 17778), (252, 17802), (265, 17868), (275, 17913), (284, 17943), (286, 17949), (288, 17967), (298, 17991), (301, 18000), (314, 18033), (316, 18039), (327, 18069), (343, 18108), (345, 18120), (348, 18129), (353, 18144), (354, 18147), (381, 18258), (382, 18261), (383, 18270), (384, 18276), (387, 18291), (389, 18294), (397, 18315), (407, 18345), (410, 18357), (417, 18390), (432, 18456), (441, 18501), (442, 18504), (448, 18531), (449, 18537), (462, 18591), (463, 18594), (489, 18681), (491, 18696), (493, 18708), (494, 18711), (507, 18777), (512, 18801), (515, 18822), (517, 18831), (534, 18891), (535, 18894), (543, 18930), (546, 18948), (551, 18960), (554, 18969), (560, 18996), (580, 19065), (584, 19083), (586, 19092), (587, 19104), (593, 19140), (600, 19170), (607, 19191), (614, 19215), (620, 19251), (627, 19305), (638, 19365), (644, 19407), (674, 19542), (678, 19566), (685, 19620), (689, 19668), (699, 19710), (700, 19734), (701, 19737),

Gene: Florinda_18 Start: 17419, Stop: 19956, Start Num: 45

Candidate Starts for Florinda_18:

(Start: 45 @17419 has 236 MA's), (54, 17440), (Start: 61 @17461 has 1 MA's), (74, 17500), (109, 17569), (118, 17578), (120, 17581), (127, 17599), (149, 17632), (154, 17647), (168, 17695), (207, 17806), (208, 17809), (222, 17839), (228, 17854), (246, 17932), (252, 17956), (265, 18022), (275,

18067), (284, 18097), (286, 18103), (288, 18121), (298, 18145), (301, 18154), (314, 18187), (316, 18193), (327, 18223), (343, 18262), (348, 18283), (353, 18298), (354, 18301), (382, 18415), (383, 18424), (384, 18430), (389, 18448), (397, 18469), (407, 18499), (410, 18511), (417, 18544), (441, 18655), (442, 18658), (448, 18685), (449, 18691), (462, 18745), (463, 18748), (489, 18835), (491, 18850), (494, 18865), (512, 18955), (515, 18976), (517, 18985), (534, 19045), (535, 19048), (541, 19078), (546, 19102), (554, 19123), (580, 19219), (584, 19237), (586, 19246), (587, 19258), (593, 19294), (600, 19324), (607, 19345), (614, 19369), (620, 19405), (627, 19459), (638, 19519), (644, 19561), (663, 19639), (674, 19696), (678, 19720), (685, 19774), (689, 19822), (699, 19864), (700, 19888), (701, 19891),

Gene: Flypotenuse_24 Start: 21900, Stop: 24296, Start Num: 81

Candidate Starts for Flypotenuse_24:

(Start: 81 @21900 has 128 MA's), (163, 22077), (171, 22098), (238, 22245), (267, 22386), (274, 22419), (284, 22452), (292, 22488), (327, 22581), (348, 22641), (354, 22659), (385, 22791), (432, 22968), (441, 23013), (488, 23187), (491, 23208), (500, 23247), (504, 23268), (506, 23283), (543, 23439), (546, 23457), (561, 23511), (584, 23595), (647, 23919), (689, 24150), (701, 24234), (708, 24267),

Gene: FoghornLeghorn_25 Start: 21788, Stop: 24184, Start Num: 81

Candidate Starts for FoghornLeghorn_25:

(Start: 81 @21788 has 128 MA's), (163, 21965), (171, 21986), (238, 22133), (267, 22274), (274, 22307), (284, 22340), (292, 22376), (327, 22469), (348, 22529), (354, 22547), (385, 22679), (399, 22724), (432, 22856), (441, 22901), (488, 23075), (491, 23096), (500, 23135), (504, 23156), (506, 23171), (543, 23327), (546, 23345), (561, 23399), (584, 23483), (605, 23576), (656, 23822), (689, 24038), (701, 24122), (708, 24155),

Gene: ForDig_26 Start: 27555, Stop: 30056, Start Num: 44

Candidate Starts for ForDig_26:

(Start: 44 @27555 has 6 MA's), (53, 27576), (65, 27612), (85, 27669), (145, 27789), (152, 27807), (169, 27879), (171, 27885), (191, 27939), (205, 27975), (252, 28158), (261, 28203), (268, 28242), (285, 28296), (314, 28344), (337, 28401), (348, 28437), (354, 28455), (367, 28503), (385, 28587), (396, 28623), (407, 28653), (415, 28689), (419, 28707), (461, 28914), (464, 28926), (467, 28935), (484, 29004), (486, 29010), (487, 29013), (489, 29022), (496, 29055), (504, 29097), (506, 29112), (524, 29193), (529, 29205), (531, 29223), (534, 29229), (536, 29244), (538, 29250), (557, 29331), (588, 29436), (602, 29508), (629, 29667), (686, 29988),

Gene: Forsytheast_31 Start: 24328, Stop: 26181, Start Num: 264

Candidate Starts for Forsytheast_31:

(Start: 264 @24328 has 216 MA's), (287, 24409), (313, 24475), (343, 24544), (344, 24547), (360, 24592), (368, 24619), (377, 24655), (385, 24697), (397, 24733), (417, 24805), (491, 25111), (526, 25285), (546, 25372), (576, 25471), (587, 25528), (640, 25759), (653, 25801), (661, 25843), (696, 26065), (699, 26086), (704, 26122),

Gene: FoulBall_58 Start: 36096, Stop: 38606, Start Num: 66

Candidate Starts for FoulBall_58:

(Start: 66 @36096 has 33 MA's), (73, 36129), (105, 36198), (106, 36201), (119, 36225), (130, 36249), (144, 36273), (155, 36306), (211, 36513), (217, 36525), (218, 36528), (255, 36675), (259, 36705), (265, 36729), (272, 36759), (273, 36762), (281, 36789), (288, 36813), (300, 36843), (320, 36900), (329, 36924), (343, 36960), (345, 36972), (353, 36996), (354, 36999), (366, 37041), (387, 37137), (389, 37140), (453, 37395), (491, 37539), (504, 37599), (514, 37671), (515, 37674), (540, 37770), (584, 37944), (587, 37965), (610, 38058), (613, 38070), (627, 38160), (653, 38235), (662, 38280), (693, 38481), (700, 38535), (704, 38550),

Gene: Francis47_31 Start: 24594, Stop: 26447, Start Num: 264

Candidate Starts for Francis47_31:

(Start: 264 @24594 has 216 MA's), (287, 24675), (313, 24741), (343, 24810), (360, 24858), (368, 24885), (377, 24921), (385, 24963), (397, 24999), (417, 25071), (491, 25377), (509, 25479), (526, 25551), (546, 25638), (587, 25794), (640, 26025), (651, 26064), (653, 26067), (661, 26109), (696, 26331), (699, 26352), (704, 26388),

Gene: Frankie_19 Start: 17503, Stop: 20040, Start Num: 45

Candidate Starts for Frankie_19:

(Start: 45 @17503 has 236 MA's), (54, 17524), (Start: 61 @17545 has 1 MA's), (74, 17584), (109, 17653), (118, 17662), (120, 17665), (127, 17683), (149, 17716), (154, 17731), (168, 17779), (207, 17890), (208, 17893), (222, 17923), (228, 17938), (246, 18016), (252, 18040), (265, 18106), (275, 18151), (284, 18181), (286, 18187), (288, 18205), (298, 18229), (301, 18238), (314, 18271), (316, 18277), (327, 18307), (343, 18346), (348, 18367), (353, 18382), (355, 18388), (389, 18532), (397, 18553), (407, 18583), (410, 18595), (417, 18628), (430, 18691), (432, 18694), (448, 18769), (449, 18775), (462, 18829), (463, 18832), (474, 18859), (477, 18868), (491, 18934), (493, 18946), (494, 18949), (507, 19015), (511, 19036), (512, 19039), (515, 19060), (529, 19111), (534, 19129), (535, 19132), (541, 19162), (546, 19186), (554, 19207), (561, 19240), (580, 19303), (584, 19321), (586, 19330), (587, 19342), (600, 19408), (605, 19417), (607, 19429), (638, 19603), (644, 19645), (663, 19723), (674, 19780), (678, 19804), (685, 19858), (689, 19906), (700, 19972), (701, 19975),

Gene: FreddyB_18 Start: 17407, Stop: 19959, Start Num: 45

Candidate Starts for FreddyB_18:

(Start: 45 @17407 has 236 MA's), (74, 17488), (109, 17557), (118, 17566), (120, 17569), (127, 17587), (154, 17635), (167, 17680), (207, 17794), (208, 17797), (215, 17809), (224, 17830), (227, 17839), (228, 17842), (241, 17890), (246, 17920), (259, 17986), (267, 18019), (275, 18055), (282, 18079), (300, 18139), (301, 18142), (307, 18160), (333, 18223), (335, 18226), (343, 18244), (348, 18265), (354, 18283), (362, 18310), (367, 18331), (376, 18364), (383, 18406), (384, 18412), (385, 18415), (389, 18430), (398, 18457), (407, 18481), (410, 18493), (417, 18526), (438, 18619), (462, 18727), (472, 18751), (479, 18775), (480, 18778), (485, 18802), (491, 18832), (497, 18856), (504, 18892), (505, 18898), (506, 18907), (511, 18934), (523, 18997), (529, 19021), (530, 19036), (541, 19078), (555, 19129), (581, 19225), (584, 19240), (586, 19249), (590, 19273), (605, 19336), (614, 19372), (670, 19678), (678, 19723), (689, 19825),

Gene: Froghopper_32 Start: 24056, Stop: 25909, Start Num: 264

Candidate Starts for Froghopper_32:

(Start: 264 @24056 has 216 MA's), (287, 24137), (297, 24161), (313, 24203), (343, 24272), (360, 24320), (368, 24347), (385, 24425), (397, 24461), (417, 24533), (491, 24839), (509, 24941), (526, 25013), (546, 25100), (587, 25256), (640, 25487), (653, 25529), (661, 25571), (696, 25793), (704, 25850),

Gene: Fruitloop_18 Start: 17429, Stop: 19966, Start Num: 45

Candidate Starts for Fruitloop_18:

(41, 17417), (Start: 45 @17429 has 236 MA's), (54, 17450), (Start: 61 @17471 has 1 MA's), (74, 17510), (109, 17579), (118, 17588), (120, 17591), (127, 17609), (149, 17642), (154, 17657), (168, 17705), (207, 17816), (208, 17819), (222, 17849), (227, 17861), (228, 17864), (246, 17942), (252, 17966), (265, 18032), (275, 18077), (284, 18107), (286, 18113), (288, 18131), (298, 18155), (301, 18164), (314, 18197), (316, 18203), (327, 18233), (343, 18272), (345, 18284), (348, 18293), (353, 18308), (354, 18311), (381, 18422), (382, 18425), (383, 18434), (384, 18440), (387, 18455), (389, 18458), (397, 18479), (407, 18509), (410, 18521), (417, 18554), (441, 18665), (442, 18668), (448, 18695), (449, 18701), (462, 18755), (463, 18758), (489, 18845), (491, 18860), (493, 18872), (494, 18875), (507, 18941), (512, 18965), (515, 18986), (517, 18995), (534, 19055), (535, 19058), (543, 19094), (546, 19112), (551, 19124), (554, 19133), (560, 19160), (580, 19229), (584, 19247), (586,

19256), (587, 19268), (593, 19304), (600, 19334), (607, 19355), (614, 19379), (620, 19415), (627, 19469), (638, 19529), (644, 19571), (663, 19649), (674, 19706), (678, 19730), (685, 19784), (689, 19832), (699, 19874), (700, 19898), (701, 19901),

Gene: Funsized_34 Start: 32646, Stop: 35123, Start Num: 44

Candidate Starts for Funsized_34:

(Start: 44 @32646 has 6 MA's), (47, 32655), (76, 32742), (79, 32748), (92, 32778), (111, 32817), (113, 32820), (136, 32847), (139, 32850), (145, 32865), (152, 32883), (174, 32958), (199, 33021), (214, 33078), (225, 33105), (230, 33120), (231, 33123), (252, 33222), (283, 33354), (285, 33360), (295, 33384), (318, 33420), (334, 33459), (349, 33504), (354, 33519), (366, 33564), (376, 33600), (380, 33621), (402, 33708), (425, 33810), (446, 33909), (454, 33939), (461, 33975), (465, 33990), (467, 33996), (484, 34065), (486, 34071), (497, 34122), (529, 34263), (534, 34287), (542, 34323), (558, 34389), (571, 34434), (586, 34491), (588, 34506), (591, 34518), (611, 34611), (613, 34617), (614, 34620), (626, 34710), (628, 34722), (650, 34848), (672, 34953), (690, 35106),

Gene: Fushigi_32 Start: 24513, Stop: 26366, Start Num: 264

Candidate Starts for Fushigi_32:

(Start: 264 @24513 has 216 MA's), (287, 24594), (297, 24618), (313, 24660), (343, 24729), (360, 24777), (368, 24804), (385, 24882), (397, 24918), (417, 24990), (491, 25296), (526, 25470), (546, 25557), (587, 25713), (640, 25944), (653, 25986), (661, 26028), (696, 26250), (704, 26307),

Gene: GMonster_30 Start: 23473, Stop: 25326, Start Num: 264

Candidate Starts for GMonster_30:

(Start: 264 @23473 has 216 MA's), (287, 23554), (313, 23620), (343, 23689), (360, 23737), (368, 23764), (377, 23800), (385, 23842), (397, 23878), (417, 23950), (491, 24256), (526, 24430), (546, 24517), (566, 24589), (587, 24673), (640, 24904), (653, 24946), (661, 24988), (696, 25210), (699, 25231), (704, 25267),

Gene: GUmbie_18 Start: 17402, Stop: 19939, Start Num: 45

Candidate Starts for GUmbie_18:

(Start: 45 @17402 has 236 MA's), (54, 17423), (Start: 61 @17444 has 1 MA's), (74, 17483), (109, 17552), (118, 17561), (120, 17564), (127, 17582), (149, 17615), (154, 17630), (204, 17783), (208, 17792), (228, 17837), (251, 17936), (252, 17939), (265, 18005), (284, 18080), (286, 18086), (298, 18128), (300, 18134), (301, 18137), (314, 18170), (316, 18176), (327, 18206), (336, 18227), (345, 18257), (348, 18266), (353, 18281), (354, 18284), (381, 18395), (382, 18398), (383, 18407), (384, 18413), (387, 18428), (389, 18431), (397, 18452), (407, 18482), (410, 18494), (417, 18527), (441, 18638), (442, 18641), (448, 18668), (449, 18674), (462, 18728), (463, 18731), (489, 18818), (491, 18833), (493, 18845), (494, 18848), (507, 18914), (512, 18938), (515, 18959), (517, 18968), (529, 19010), (534, 19028), (535, 19031), (541, 19061), (546, 19085), (551, 19097), (554, 19106), (580, 19202), (584, 19220), (586, 19229), (587, 19241), (593, 19277), (600, 19307), (605, 19316), (607, 19328), (620, 19388), (627, 19442), (638, 19502), (644, 19544), (674, 19679), (678, 19703), (685, 19757), (689, 19805), (699, 19847), (700, 19871), (701, 19874),

Gene: Gachnar_31 Start: 24115, Stop: 25968, Start Num: 264

Candidate Starts for Gachnar_31:

(Start: 264 @24115 has 216 MA's), (287, 24196), (313, 24262), (343, 24331), (344, 24334), (360, 24379), (368, 24406), (377, 24442), (385, 24484), (397, 24520), (410, 24559), (426, 24643), (491, 24898), (526, 25072), (546, 25159), (587, 25315), (640, 25546), (653, 25588), (661, 25630), (696, 25852), (704, 25909),

Gene: Gage_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for Gage_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (267, 22760), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: GageAP_33 Start: 24827, Stop: 26680, Start Num: 264

Candidate Starts for GageAP_33:

(Start: 264 @24827 has 216 MA's), (287, 24908), (313, 24974), (343, 25043), (344, 25046), (360, 25091), (368, 25118), (377, 25154), (385, 25196), (397, 25232), (417, 25304), (491, 25610), (517, 25754), (526, 25784), (546, 25871), (587, 26027), (640, 26258), (653, 26300), (661, 26342), (696, 26564), (704, 26621),

Gene: Gaia_21 Start: 19931, Stop: 22501, Start Num: 37

Candidate Starts for Gaia_21:

(Start: 37 @19931 has 2 MA's), (67, 20021), (98, 20090), (103, 20099), (104, 20102), (137, 20156), (145, 20168), (161, 20216), (176, 20261), (200, 20333), (208, 20354), (219, 20375), (227, 20396), (228, 20399), (259, 20543), (267, 20576), (286, 20633), (301, 20684), (307, 20702), (345, 20798), (348, 20807), (350, 20813), (353, 20822), (354, 20825), (362, 20852), (367, 20873), (376, 20906), (377, 20915), (381, 20936), (383, 20948), (387, 20969), (407, 21023), (410, 21035), (417, 21068), (433, 21143), (440, 21170), (472, 21293), (480, 21320), (485, 21344), (491, 21374), (497, 21398), (505, 21440), (506, 21449), (530, 21578), (537, 21605), (551, 21656), (581, 21767), (584, 21782), (639, 22073), (674, 22241), (678, 22265), (699, 22409), (701, 22436), (703, 22442), (704, 22445),

Gene: Galactic_18 Start: 17394, Stop: 19931, Start Num: 45

Candidate Starts for Galactic_18:

(41, 17382), (Start: 45 @17394 has 236 MA's), (54, 17415), (Start: 61 @17436 has 1 MA's), (74, 17475), (109, 17544), (118, 17553), (120, 17556), (127, 17574), (149, 17607), (154, 17622), (168, 17670), (207, 17781), (208, 17784), (222, 17814), (228, 17829), (246, 17907), (252, 17931), (265, 17997), (275, 18042), (284, 18072), (286, 18078), (288, 18096), (298, 18120), (301, 18129), (314, 18162), (316, 18168), (327, 18198), (343, 18237), (345, 18249), (348, 18258), (353, 18273), (354, 18276), (381, 18387), (382, 18390), (383, 18399), (384, 18405), (387, 18420), (389, 18423), (397, 18444), (407, 18474), (410, 18486), (417, 18519), (441, 18630), (442, 18633), (448, 18660), (449, 18666), (462, 18720), (463, 18723), (491, 18825), (493, 18837), (494, 18840), (507, 18906), (512, 18930), (515, 18951), (517, 18960), (534, 19020), (535, 19023), (543, 19059), (546, 19077), (551, 19089), (554, 19098), (560, 19125), (580, 19194), (584, 19212), (586, 19221), (587, 19233), (593, 19269), (600, 19299), (607, 19320), (614, 19344), (620, 19380), (627, 19434), (638, 19494), (644, 19536), (663, 19614), (674, 19671), (678, 19695), (685, 19749), (689, 19797), (699, 19839), (700, 19863), (701, 19866),

Gene: Gandalf20_32 Start: 24932, Stop: 26785, Start Num: 264

Candidate Starts for Gandalf20_32:

(Start: 264 @24932 has 216 MA's), (287, 25013), (313, 25079), (343, 25148), (360, 25196), (368, 25223), (385, 25301), (397, 25337), (410, 25376), (417, 25409), (426, 25460), (491, 25715), (509, 25817), (526, 25889), (546, 25976), (587, 26132), (640, 26363), (653, 26405), (661, 26447), (696, 26669), (699, 26690), (704, 26726),

Gene: Gandolph_18 Start: 17413, Stop: 19965, Start Num: 45

Candidate Starts for Gandolph_18:

(Start: 45 @17413 has 236 MA's), (74, 17494), (109, 17563), (118, 17572), (120, 17575), (127, 17593), (154, 17641), (167, 17686), (207, 17800), (208, 17803), (215, 17815), (224, 17836), (227, 17845), (228, 17848), (241, 17896), (246, 17926), (259, 17992), (267, 18025), (275, 18061), (282, 18085), (300, 18145), (301, 18148), (307, 18166), (333, 18229), (335, 18232), (343, 18250), (348, 18271),

(354, 18289), (362, 18316), (367, 18337), (376, 18370), (383, 18412), (384, 18418), (385, 18421), (389, 18436), (398, 18463), (399, 18466), (407, 18487), (410, 18499), (417, 18532), (438, 18625), (462, 18733), (472, 18757), (474, 18763), (479, 18781), (480, 18784), (485, 18808), (491, 18838), (497, 18862), (504, 18898), (505, 18904), (506, 18913), (511, 18940), (523, 19003), (529, 19027), (530, 19042), (541, 19084), (555, 19135), (581, 19231), (584, 19246), (586, 19255), (590, 19279), (605, 19342), (614, 19378), (670, 19684), (678, 19729), (689, 19831),

Gene: Ganymede_28 Start: 20892, Stop: 23324, Start Num: 88

Candidate Starts for Ganymede_28:

(Start: 88 @20892 has 96 MA's), (137, 20991), (223, 21252), (230, 21273), (273, 21480), (283, 21513), (289, 21543), (320, 21615), (329, 21639), (345, 21684), (381, 21837), (388, 21882), (391, 21894), (395, 21903), (410, 21954), (446, 22134), (450, 22149), (466, 22218), (469, 22230), (486, 22293), (494, 22335), (504, 22374), (505, 22380), (506, 22389), (510, 22410), (525, 22470), (554, 22587), (563, 22629), (584, 22701), (586, 22710), (591, 22731), (606, 22803), (611, 22824), (627, 22920), (638, 22983), (657, 23067), (662, 23109), (671, 23148),

Gene: Gator_24 Start: 21899, Stop: 24295, Start Num: 81

Candidate Starts for Gator_24:

(Start: 81 @21899 has 128 MA's), (163, 22076), (171, 22097), (238, 22244), (267, 22385), (274, 22418), (284, 22451), (292, 22487), (327, 22580), (348, 22640), (354, 22658), (376, 22739), (432, 22967), (441, 23012), (491, 23207), (492, 23213), (494, 23222), (504, 23267), (506, 23282), (543, 23438), (546, 23456), (549, 23465), (563, 23519), (584, 23594), (585, 23597), (626, 23807), (628, 23819), (656, 23933), (689, 24149), (701, 24233), (706, 24257), (708, 24266),

Gene: Gemini_29 Start: 22791, Stop: 25187, Start Num: 81

Candidate Starts for Gemini_29:

(Start: 81 @22791 has 128 MA's), (163, 22968), (171, 22989), (238, 23136), (267, 23277), (274, 23310), (284, 23343), (292, 23379), (327, 23472), (348, 23532), (354, 23550), (385, 23682), (399, 23727), (432, 23859), (441, 23904), (456, 23964), (488, 24078), (491, 24099), (500, 24138), (504, 24159), (506, 24174), (541, 24324), (543, 24330), (546, 24348), (561, 24402), (584, 24486), (605, 24579), (656, 24825), (689, 25041), (701, 25125), (708, 25158),

Gene: Geraldini_27 Start: 20888, Stop: 23320, Start Num: 88

Candidate Starts for Geraldini_27:

(Start: 88 @20888 has 96 MA's), (137, 20987), (184, 21128), (223, 21248), (230, 21269), (273, 21476), (283, 21509), (289, 21539), (320, 21611), (329, 21635), (381, 21833), (388, 21878), (391, 21890), (395, 21899), (410, 21950), (446, 22130), (450, 22145), (466, 22214), (469, 22226), (486, 22289), (494, 22331), (504, 22370), (505, 22376), (506, 22385), (510, 22406), (525, 22466), (554, 22583), (563, 22625), (584, 22697), (586, 22706), (591, 22727), (606, 22799), (611, 22820), (627, 22916), (638, 22979), (657, 23063), (662, 23105), (671, 23144),

Gene: Geralt_18 Start: 17396, Stop: 19933, Start Num: 45

Candidate Starts for Geralt_18:

(Start: 45 @17396 has 236 MA's), (54, 17417), (Start: 61 @17438 has 1 MA's), (74, 17477), (109, 17546), (118, 17555), (120, 17558), (127, 17576), (154, 17624), (168, 17672), (207, 17783), (208, 17786), (228, 17831), (246, 17909), (252, 17933), (265, 17999), (284, 18074), (286, 18080), (288, 18098), (298, 18122), (301, 18131), (314, 18164), (316, 18170), (327, 18200), (336, 18221), (345, 18251), (348, 18260), (377, 18368), (380, 18380), (381, 18389), (382, 18392), (384, 18407), (387, 18422), (389, 18425), (397, 18446), (410, 18488), (417, 18521), (441, 18632), (442, 18635), (448, 18662), (449, 18668), (462, 18722), (463, 18725), (474, 18752), (491, 18827), (493, 18839), (494, 18842), (507, 18908), (511, 18929), (512, 18932), (515, 18953), (517, 18962), (529, 19004), (534, 19022), (535, 19025), (541, 19055), (546, 19079), (551, 19091), (554, 19100), (580, 19196), (584, 19214), (586, 19223), (587, 19235), (593, 19271), (600, 19301), (605, 19310), (607, 19322), (620,

19382), (627, 19436), (638, 19496), (644, 19538), (674, 19673), (678, 19697), (685, 19751), (689, 19799), (699, 19841), (700, 19865), (701, 19868),

Gene: GigiOuiOui_18 Start: 17527, Stop: 20064, Start Num: 45

Candidate Starts for GigiOuiOui_18:

(Start: 45 @17527 has 236 MA's), (54, 17548), (Start: 61 @17569 has 1 MA's), (74, 17608), (109, 17677), (118, 17686), (120, 17689), (127, 17707), (154, 17755), (204, 17908), (208, 17917), (228, 17962), (251, 18061), (252, 18064), (265, 18130), (284, 18205), (286, 18211), (288, 18229), (298, 18253), (300, 18259), (301, 18262), (314, 18295), (316, 18301), (327, 18331), (336, 18352), (345, 18382), (348, 18391), (353, 18406), (354, 18409), (381, 18520), (382, 18523), (383, 18532), (384, 18538), (387, 18553), (389, 18556), (397, 18577), (407, 18607), (410, 18619), (417, 18652), (441, 18763), (442, 18766), (448, 18793), (449, 18799), (462, 18853), (463, 18856), (491, 18958), (493, 18970), (494, 18973), (507, 19039), (512, 19063), (515, 19084), (517, 19093), (534, 19153), (535, 19156), (543, 19192), (546, 19210), (551, 19222), (554, 19231), (560, 19258), (578, 19315), (580, 19327), (584, 19345), (586, 19354), (587, 19366), (593, 19402), (600, 19432), (605, 19441), (607, 19453), (620, 19513), (627, 19567), (638, 19627), (644, 19669), (674, 19804), (678, 19828), (685, 19882), (689, 19930), (699, 19972), (700, 19996), (701, 19999),

Gene: Girafales_19 Start: 17227, Stop: 19764, Start Num: 45

Candidate Starts for Girafales_19:

(Start: 45 @17227 has 236 MA's), (54, 17248), (Start: 61 @17269 has 1 MA's), (74, 17308), (109, 17377), (118, 17386), (120, 17389), (127, 17407), (149, 17440), (154, 17455), (168, 17503), (207, 17614), (208, 17617), (222, 17647), (228, 17662), (246, 17740), (252, 17764), (265, 17830), (275, 17875), (284, 17905), (286, 17911), (288, 17929), (298, 17953), (301, 17962), (314, 17995), (316, 18001), (327, 18031), (343, 18070), (348, 18091), (353, 18106), (354, 18109), (382, 18223), (383, 18232), (384, 18238), (389, 18256), (397, 18277), (407, 18307), (410, 18319), (417, 18352), (441, 18463), (442, 18466), (448, 18493), (449, 18499), (462, 18553), (463, 18556), (489, 18643), (491, 18658), (494, 18673), (512, 18763), (515, 18784), (517, 18793), (534, 18853), (535, 18856), (541, 18886), (546, 18910), (554, 18931), (580, 19027), (584, 19045), (586, 19054), (587, 19066), (593, 19102), (600, 19132), (607, 19153), (614, 19177), (620, 19213), (627, 19267), (638, 19327), (644, 19369), (663, 19447), (674, 19504), (678, 19528), (685, 19582), (689, 19630), (699, 19672), (700, 19696), (701, 19699),

Gene: Girr_18 Start: 17371, Stop: 19908, Start Num: 45

Candidate Starts for Girr_18:

(Start: 45 @17371 has 236 MA's), (54, 17392), (Start: 61 @17413 has 1 MA's), (74, 17452), (109, 17521), (118, 17530), (120, 17533), (127, 17551), (149, 17584), (154, 17599), (204, 17752), (208, 17761), (228, 17806), (251, 17905), (252, 17908), (265, 17974), (284, 18049), (286, 18055), (298, 18097), (300, 18103), (301, 18106), (314, 18139), (316, 18145), (327, 18175), (336, 18196), (345, 18226), (348, 18235), (353, 18250), (354, 18253), (381, 18364), (382, 18367), (383, 18376), (384, 18382), (387, 18397), (389, 18400), (397, 18421), (407, 18451), (410, 18463), (417, 18496), (441, 18607), (442, 18610), (448, 18637), (449, 18643), (462, 18697), (463, 18700), (489, 18787), (491, 18802), (493, 18814), (494, 18817), (507, 18883), (512, 18907), (515, 18928), (517, 18937), (529, 18979), (534, 18997), (535, 19000), (541, 19030), (546, 19054), (551, 19066), (554, 19075), (580, 19171), (584, 19189), (586, 19198), (587, 19210), (593, 19246), (600, 19276), (605, 19285), (607, 19297), (620, 19357), (627, 19411), (638, 19471), (644, 19513), (674, 19648), (678, 19672), (685, 19726), (689, 19774), (699, 19816), (700, 19840), (701, 19843),

Gene: Glexan_24 Start: 21900, Stop: 24296, Start Num: 81

Candidate Starts for Glexan_24:

(Start: 81 @21900 has 128 MA's), (163, 22077), (171, 22098), (238, 22245), (267, 22386), (274, 22419), (284, 22452), (292, 22488), (327, 22581), (348, 22641), (354, 22659), (385, 22791), (432, 22968), (441, 23013), (488, 23187), (491, 23208), (500, 23247), (504, 23268), (506, 23283), (543,

23439), (546, 23457), (561, 23511), (584, 23595), (647, 23919), (689, 24150), (701, 24234), (708, 24267),

Gene: GodSpeed_23 Start: 20676, Stop: 23147, Start Num: 39

Candidate Starts for GodSpeed_23:

(Start: 39 @20676 has 9 MA's), (76, 20784), (145, 20904), (165, 20982), (252, 21270), (261, 21315), (265, 21330), (283, 21396), (315, 21453), (349, 21543), (354, 21558), (376, 21639), (390, 21714), (410, 21771), (415, 21795), (422, 21831), (467, 22038), (482, 22092), (486, 22113), (506, 22215), (529, 22308), (531, 22326), (542, 22368), (565, 22473), (588, 22539), (595, 22581), (611, 22644), (614, 22653), (620, 22692), (631, 22779), (686, 23085), (688, 23121), (690, 23130),

Gene: Goku_26 Start: 21998, Stop: 24394, Start Num: 81

Candidate Starts for Goku_26:

(Start: 81 @21998 has 128 MA's), (163, 22175), (171, 22196), (238, 22343), (267, 22484), (274, 22517), (284, 22550), (292, 22586), (327, 22679), (348, 22739), (354, 22757), (376, 22838), (432, 23066), (441, 23111), (491, 23306), (492, 23312), (494, 23321), (504, 23366), (506, 23381), (543, 23537), (546, 23555), (549, 23564), (563, 23618), (584, 23693), (585, 23696), (626, 23906), (628, 23918), (656, 24032), (689, 24248), (701, 24332), (706, 24356), (708, 24365),

Gene: GoldenSpark_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for GoldenSpark_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: Goldilocks_27 Start: 21694, Stop: 24090, Start Num: 81

Candidate Starts for Goldilocks_27:

(Start: 81 @21694 has 128 MA's), (163, 21871), (171, 21892), (238, 22039), (267, 22180), (274, 22213), (284, 22246), (292, 22282), (327, 22375), (348, 22435), (354, 22453), (385, 22585), (399, 22630), (432, 22762), (441, 22807), (456, 22867), (488, 22981), (491, 23002), (500, 23041), (504, 23062), (506, 23077), (541, 23227), (543, 23233), (546, 23251), (561, 23305), (584, 23389), (605, 23482), (656, 23728), (689, 23944), (701, 24028), (708, 24061),

Gene: Gompeii16_31 Start: 24589, Stop: 26442, Start Num: 264

Candidate Starts for Gompeii16_31:

(Start: 264 @24589 has 216 MA's), (287, 24670), (297, 24694), (313, 24736), (343, 24805), (360, 24853), (368, 24880), (377, 24916), (385, 24958), (397, 24994), (417, 25066), (491, 25372), (509, 25474), (526, 25546), (546, 25633), (587, 25789), (640, 26020), (651, 26059), (653, 26062), (661, 26104), (696, 26326), (699, 26347), (704, 26383),

Gene: Gonephishing_34 Start: 28088, Stop: 30448, Start Num: 127

Candidate Starts for Gonephishing_34:

(Start: 45 @27893 has 236 MA's), (127, 28088), (149, 28124), (154, 28139), (168, 28187), (207, 28298), (208, 28301), (222, 28331), (228, 28346), (246, 28424), (252, 28448), (265, 28514), (275, 28559), (284, 28589), (286, 28595), (288, 28613), (298, 28637), (301, 28646), (314, 28679), (316, 28685), (327, 28715), (343, 28754), (345, 28766), (348, 28775), (353, 28790), (354, 28793), (381, 28904), (382, 28907), (383, 28916), (384, 28922), (387, 28937), (389, 28940), (407, 28991), (410, 29003), (417, 29036), (432, 29102), (441, 29147), (442, 29150), (448, 29177), (449, 29183), (462, 29237), (463, 29240), (489, 29327), (491, 29342), (493, 29354), (494, 29357), (507, 29423), (515, 29468), (517, 29477), (534, 29537), (535, 29540), (543, 29576), (546, 29594), (551, 29606), (554, 29615), (560, 29642), (580, 29711), (584, 29729), (586, 29738), (587, 29750), (593, 29786), (600,

29816), (607, 29837), (614, 29861), (620, 29897), (627, 29951), (638, 30011), (644, 30053), (674, 30188), (678, 30212), (685, 30266), (689, 30314), (699, 30356), (700, 30380), (701, 30383),

Gene: GooberAzure_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for GooberAzure_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (267, 22760), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: Gorge_18 Start: 17383, Stop: 19926, Start Num: 45

Candidate Starts for Gorge_18:

(Start: 45 @17383 has 236 MA's), (54, 17404), (Start: 61 @17425 has 1 MA's), (74, 17464), (109, 17533), (118, 17542), (120, 17545), (127, 17563), (154, 17611), (168, 17659), (207, 17770), (208, 17773), (224, 17806), (228, 17818), (246, 17896), (259, 17962), (267, 17995), (279, 18049), (284, 18061), (300, 18115), (301, 18118), (304, 18127), (317, 18160), (333, 18199), (335, 18202), (342, 18217), (343, 18220), (350, 18247), (352, 18253), (353, 18256), (354, 18259), (362, 18286), (366, 18304), (367, 18307), (383, 18382), (387, 18403), (389, 18406), (398, 18433), (407, 18457), (417, 18502), (418, 18505), (428, 18556), (442, 18619), (444, 18628), (449, 18652), (480, 18757), (481, 18760), (491, 18811), (492, 18817), (493, 18823), (494, 18826), (504, 18871), (506, 18886), (511, 18913), (515, 18937), (529, 18988), (534, 19006), (535, 19009), (536, 19021), (551, 19075), (584, 19198), (595, 19261), (612, 19324), (622, 19399), (665, 19600), (698, 19828), (703, 19867), (704, 19870),

Gene: Graduation_33 Start: 24811, Stop: 26664, Start Num: 264

Candidate Starts for Graduation_33:

(Start: 264 @24811 has 216 MA's), (287, 24892), (313, 24958), (343, 25027), (344, 25030), (360, 25075), (368, 25102), (377, 25138), (385, 25180), (397, 25216), (417, 25288), (491, 25594), (526, 25768), (546, 25855), (587, 26011), (640, 26242), (653, 26284), (661, 26326), (696, 26548), (699, 26569), (704, 26605),

Gene: GrecoEtereo_33 Start: 24898, Stop: 26751, Start Num: 264

Candidate Starts for GrecoEtereo_33:

(Start: 264 @24898 has 216 MA's), (287, 24979), (313, 25045), (343, 25114), (360, 25162), (368, 25189), (385, 25267), (397, 25303), (417, 25375), (491, 25681), (526, 25855), (546, 25942), (587, 26098), (625, 26284), (640, 26329), (653, 26371), (661, 26413), (696, 26635), (704, 26692),

Gene: Greep_27 Start: 22604, Stop: 25000, Start Num: 81

Candidate Starts for Greep_27:

(Start: 81 @22604 has 128 MA's), (163, 22781), (171, 22802), (238, 22949), (267, 23090), (274, 23123), (284, 23156), (292, 23192), (327, 23285), (348, 23345), (354, 23363), (385, 23495), (399, 23540), (432, 23672), (441, 23717), (488, 23891), (491, 23912), (500, 23951), (504, 23972), (506, 23987), (543, 24143), (546, 24161), (561, 24215), (584, 24299), (605, 24392), (656, 24638), (689, 24854), (701, 24938), (708, 24971),

Gene: Greg_33 Start: 24404, Stop: 26257, Start Num: 264

Candidate Starts for Greg_33:

(Start: 264 @24404 has 216 MA's), (287, 24485), (313, 24551), (343, 24620), (360, 24668), (368, 24695), (385, 24773), (397, 24809), (491, 25187), (526, 25361), (546, 25448), (587, 25604), (640, 25835), (653, 25877), (661, 25919), (696, 26141), (704, 26198),

Gene: Grimmer_19 Start: 18060, Stop: 20597, Start Num: 45

Candidate Starts for Grimmer_19:

(Start: 45 @18060 has 236 MA's), (54, 18081), (Start: 61 @18102 has 1 MA's), (74, 18141), (109, 18210), (118, 18219), (120, 18222), (127, 18240), (154, 18288), (207, 18447), (208, 18450), (228, 18495), (246, 18573), (251, 18594), (252, 18597), (265, 18663), (284, 18738), (286, 18744), (298, 18786), (300, 18792), (301, 18795), (314, 18828), (316, 18834), (327, 18864), (336, 18885), (345, 18915), (348, 18924), (377, 19032), (380, 19044), (381, 19053), (382, 19056), (383, 19065), (384, 19071), (387, 19086), (389, 19089), (397, 19110), (407, 19140), (410, 19152), (417, 19185), (418, 19188), (432, 19251), (441, 19296), (442, 19299), (448, 19326), (449, 19332), (462, 19386), (463, 19389), (474, 19416), (491, 19491), (493, 19503), (494, 19506), (507, 19572), (511, 19593), (512, 19596), (515, 19617), (534, 19686), (535, 19689), (543, 19725), (546, 19743), (554, 19764), (580, 19860), (584, 19878), (586, 19887), (587, 19899), (593, 19935), (600, 19965), (620, 20046), (627, 20100), (644, 20202), (674, 20337), (678, 20361), (685, 20415), (694, 20484), (700, 20529), (701, 20532),

Gene: GroundGoblin_33 Start: 25422, Stop: 27275, Start Num: 264

Candidate Starts for GroundGoblin_33:

(Start: 264 @25422 has 216 MA's), (287, 25503), (313, 25569), (343, 25638), (360, 25686), (368, 25713), (385, 25791), (417, 25899), (491, 26205), (509, 26307), (526, 26379), (546, 26466), (587, 26622), (599, 26682), (640, 26853), (653, 26895), (661, 26937), (696, 27159), (699, 27180), (704, 27216),

Gene: Guanica15_27 Start: 20098, Stop: 22530, Start Num: 88

Candidate Starts for Guanica15_27:

(Start: 88 @20098 has 96 MA's), (107, 20146), (108, 20149), (114, 20158), (223, 20458), (230, 20479), (283, 20719), (320, 20821), (329, 20845), (330, 20851), (345, 20890), (381, 21043), (391, 21100), (395, 21109), (410, 21160), (448, 21346), (450, 21355), (451, 21361), (461, 21406), (466, 21424), (486, 21499), (494, 21541), (504, 21580), (505, 21586), (506, 21595), (510, 21616), (519, 21664), (534, 21709), (536, 21724), (554, 21793), (563, 21835), (586, 21916), (606, 22009), (611, 22030), (627, 22126), (671, 22354), (679, 22408), (682, 22429), (689, 22501), (692, 22519),

Gene: Guppsters_19 Start: 17584, Stop: 20109, Start Num: 45

Candidate Starts for Guppsters_19:

(Start: 45 @17584 has 236 MA's), (83, 17674), (109, 17734), (118, 17743), (120, 17746), (127, 17764), (154, 17812), (167, 17857), (207, 17971), (208, 17974), (219, 17995), (224, 18007), (228, 18019), (246, 18097), (259, 18163), (267, 18196), (279, 18250), (284, 18262), (300, 18316), (301, 18319), (304, 18328), (317, 18361), (335, 18403), (342, 18418), (350, 18448), (352, 18454), (353, 18457), (354, 18460), (362, 18487), (366, 18505), (367, 18508), (383, 18583), (387, 18604), (389, 18607), (398, 18634), (407, 18658), (410, 18670), (428, 18757), (442, 18820), (444, 18829), (449, 18853), (480, 18958), (481, 18961), (491, 19012), (492, 19018), (493, 19024), (494, 19027), (504, 19072), (506, 19087), (511, 19114), (515, 19138), (517, 19147), (534, 19207), (535, 19210), (536, 19222), (546, 19264), (551, 19276), (584, 19399), (595, 19462), (612, 19525), (622, 19600), (665, 19801), (689, 19972), (698, 20011), (703, 20050), (704, 20053),

Gene: Gwendoluna_33 Start: 26046, Stop: 27899, Start Num: 264

Candidate Starts for Gwendoluna_33:

(Start: 264 @26046 has 216 MA's), (287, 26127), (313, 26193), (343, 26262), (360, 26310), (368, 26337), (385, 26415), (410, 26490), (417, 26523), (426, 26574), (491, 26829), (526, 27003), (546, 27090), (577, 27192), (587, 27246), (625, 27432), (640, 27477), (653, 27519), (661, 27561), (696, 27783), (699, 27804), (704, 27840),

Gene: Gyzlar_33 Start: 25352, Stop: 27205, Start Num: 264

Candidate Starts for Gyzlar_33:

(Start: 264 @25352 has 216 MA's), (287, 25433), (313, 25499), (343, 25568), (360, 25616), (368, 25643), (385, 25721), (397, 25757), (417, 25829), (491, 26135), (526, 26309), (546, 26396), (587, 26552), (599, 26612), (625, 26738), (640, 26783), (653, 26825), (661, 26867), (696, 27089), (699, 27110), (704, 27146),

Gene: Hades_18 Start: 17406, Stop: 19958, Start Num: 45

Candidate Starts for Hades_18:

(Start: 45 @17406 has 236 MA's), (83, 17496), (109, 17556), (118, 17565), (120, 17568), (127, 17586), (154, 17634), (167, 17679), (207, 17793), (208, 17796), (215, 17808), (224, 17829), (227, 17838), (228, 17841), (246, 17919), (259, 17985), (267, 18018), (275, 18054), (282, 18078), (300, 18138), (301, 18141), (307, 18159), (333, 18222), (335, 18225), (343, 18243), (348, 18264), (354, 18282), (362, 18309), (367, 18330), (376, 18363), (383, 18405), (384, 18411), (385, 18414), (389, 18429), (398, 18456), (399, 18459), (407, 18480), (410, 18492), (417, 18525), (438, 18618), (462, 18726), (472, 18750), (474, 18756), (479, 18774), (480, 18777), (485, 18801), (491, 18831), (497, 18855), (504, 18891), (505, 18897), (506, 18906), (511, 18933), (523, 18996), (529, 19020), (530, 19035), (541, 19077), (555, 19128), (581, 19224), (584, 19239), (586, 19248), (590, 19272), (605, 19335), (614, 19371), (670, 19677), (678, 19722), (689, 19824),

Gene: Halley_39 Start: 30225, Stop: 32153, Start Num: 258

Candidate Starts for Halley_39:

(Start: 258 @30225 has 23 MA's), (318, 30420), (377, 30588), (389, 30645), (403, 30684), (411, 30714), (424, 30780), (477, 30978), (491, 31044), (501, 31089), (512, 31149), (551, 31308), (599, 31515), (644, 31758), (653, 31779), (665, 31839), (675, 31893), (684, 31959), (688, 31998), (704, 32097),

Gene: Hami1_33 Start: 24498, Stop: 26378, Start Num: 264

Candidate Starts for Hami1_33:

(Start: 264 @24498 has 216 MA's), (287, 24579), (313, 24645), (343, 24714), (360, 24762), (368, 24789), (377, 24825), (385, 24867), (397, 24903), (417, 24975), (491, 25281), (517, 25425), (526, 25455), (546, 25542), (587, 25698), (640, 25929), (653, 25971), (661, 26013), (696, 26235), (700, 26280), (704, 26292),

Gene: Hamulus_18 Start: 17403, Stop: 19940, Start Num: 45

Candidate Starts for Hamulus_18:

(41, 17391), (Start: 45 @17403 has 236 MA's), (54, 17424), (Start: 61 @17445 has 1 MA's), (74, 17484), (109, 17553), (118, 17562), (120, 17565), (127, 17583), (149, 17616), (154, 17631), (168, 17679), (204, 17784), (207, 17790), (208, 17793), (222, 17823), (227, 17835), (228, 17838), (246, 17916), (252, 17940), (265, 18006), (284, 18081), (286, 18087), (288, 18105), (298, 18129), (301, 18138), (314, 18171), (316, 18177), (327, 18207), (343, 18246), (345, 18258), (348, 18267), (353, 18282), (354, 18285), (381, 18396), (382, 18399), (383, 18408), (384, 18414), (387, 18429), (389, 18432), (397, 18453), (407, 18483), (410, 18495), (417, 18528), (432, 18594), (441, 18639), (442, 18642), (448, 18669), (449, 18675), (462, 18729), (463, 18732), (489, 18819), (491, 18834), (493, 18846), (494, 18849), (507, 18915), (515, 18960), (517, 18969), (534, 19029), (535, 19032), (543, 19068), (546, 19086), (551, 19098), (554, 19107), (560, 19134), (580, 19203), (584, 19221), (586, 19230), (587, 19242), (593, 19278), (600, 19308), (607, 19329), (614, 19353), (620, 19389), (627, 19443), (638, 19503), (644, 19545), (674, 19680), (678, 19704), (685, 19758), (689, 19806), (699, 19848), (700, 19872), (701, 19875),

Gene: HanKaySha_27 Start: 22026, Stop: 24422, Start Num: 81

Candidate Starts for HanKaySha_27:

(Start: 81 @22026 has 128 MA's), (163, 22203), (171, 22224), (238, 22371), (274, 22545), (284, 22578), (292, 22614), (327, 22707), (348, 22767), (354, 22785), (385, 22917), (399, 22962), (432, 23094), (441, 23139), (456, 23199), (488, 23313), (491, 23334), (500, 23373), (504, 23394), (506,

23409), (541, 23559), (543, 23565), (546, 23583), (561, 23637), (584, 23721), (605, 23814), (656, 24060), (689, 24276), (701, 24360), (708, 24393),

Gene: HanShotFirst_31 Start: 24032, Stop: 25885, Start Num: 264

Candidate Starts for HanShotFirst_31:

(Start: 264 @24032 has 216 MA's), (287, 24113), (313, 24179), (343, 24248), (360, 24296), (368, 24323), (377, 24359), (385, 24401), (397, 24437), (417, 24509), (491, 24815), (526, 24989), (546, 25076), (587, 25232), (640, 25463), (653, 25505), (661, 25547), (696, 25769), (699, 25790), (704, 25826),

Gene: Hannaconda_33 Start: 26378, Stop: 28873, Start Num: 45

Candidate Starts for Hannaconda_33:

(Start: 45 @26378 has 236 MA's), (127, 26573), (149, 26609), (154, 26624), (186, 26711), (190, 26726), (208, 26762), (212, 26768), (230, 26801), (233, 26813), (272, 26984), (275, 26993), (284, 27017), (300, 27071), (314, 27107), (316, 27113), (327, 27143), (339, 27173), (345, 27194), (348, 27203), (353, 27218), (372, 27287), (389, 27368), (392, 27377), (399, 27398), (400, 27401), (410, 27431), (418, 27467), (428, 27518), (430, 27527), (432, 27530), (438, 27557), (440, 27566), (444, 27587), (462, 27665), (463, 27668), (485, 27740), (492, 27776), (493, 27782), (503, 27824), (504, 27830), (511, 27872), (512, 27875), (515, 27896), (516, 27902), (517, 27905), (526, 27935), (559, 28076), (561, 28085), (563, 28094), (574, 28127), (580, 28151), (581, 28154), (584, 28169), (587, 28190), (593, 28226), (595, 28232), (596, 28238), (601, 28259), (610, 28286), (631, 28421), (643, 28493), (645, 28499), (656, 28517), (674, 28616), (689, 28733), (702, 28814), (704, 28817), (708, 28844),

Gene: Harella_25 Start: 22416, Stop: 24812, Start Num: 81

Candidate Starts for Harella_25:

(Start: 81 @22416 has 128 MA's), (163, 22593), (171, 22614), (238, 22761), (267, 22902), (274, 22935), (284, 22968), (292, 23004), (327, 23097), (348, 23157), (354, 23175), (385, 23307), (432, 23484), (441, 23529), (488, 23703), (491, 23724), (500, 23763), (504, 23784), (506, 23799), (543, 23955), (546, 23973), (561, 24027), (584, 24111), (647, 24435), (689, 24666), (701, 24750), (708, 24783),

Gene: Harley_18 Start: 17393, Stop: 19930, Start Num: 45

Candidate Starts for Harley_18:

(Start: 45 @17393 has 236 MA's), (54, 17414), (Start: 61 @17435 has 1 MA's), (74, 17474), (109, 17543), (118, 17552), (120, 17555), (127, 17573), (154, 17621), (207, 17780), (208, 17783), (228, 17828), (251, 17927), (252, 17930), (265, 17996), (284, 18071), (286, 18077), (288, 18095), (298, 18119), (300, 18125), (301, 18128), (314, 18161), (316, 18167), (327, 18197), (336, 18218), (343, 18236), (348, 18257), (377, 18365), (380, 18377), (381, 18386), (382, 18389), (383, 18398), (384, 18404), (387, 18419), (389, 18422), (397, 18443), (410, 18485), (417, 18518), (418, 18521), (432, 18584), (441, 18629), (442, 18632), (449, 18665), (462, 18719), (463, 18722), (474, 18749), (491, 18824), (493, 18836), (494, 18839), (507, 18905), (511, 18926), (512, 18929), (515, 18950), (529, 19001), (534, 19019), (535, 19022), (541, 19052), (546, 19076), (551, 19088), (554, 19097), (580, 19193), (584, 19211), (586, 19220), (587, 19232), (593, 19268), (600, 19298), (605, 19307), (607, 19319), (614, 19343), (620, 19379), (638, 19493), (644, 19535), (674, 19670), (678, 19694), (685, 19748), (689, 19796), (694, 19817), (700, 19862), (701, 19865),

Gene: HarryOW_32 Start: 24486, Stop: 26339, Start Num: 264

Candidate Starts for HarryOW_32:

(Start: 264 @24486 has 216 MA's), (287, 24567), (313, 24633), (343, 24702), (360, 24750), (368, 24777), (385, 24855), (397, 24891), (417, 24963), (491, 25269), (526, 25443), (546, 25530), (587, 25686), (625, 25872), (640, 25917), (653, 25959), (661, 26001), (696, 26223), (704, 26280),

Gene: Hawkeye_32 Start: 24298, Stop: 27204, Start Num: 14

Candidate Starts for Hawkeye_32:

(Start: 14 @24298 has 1 MA's), (18, 24391), (19, 24412), (21, 24433), (22, 24442), (77, 24658), (204, 25009), (232, 25105), (248, 25180), (314, 25429), (323, 25456), (372, 25609), (377, 25633), (384, 25672), (443, 25903), (444, 25906), (474, 26014), (491, 26089), (505, 26155), (546, 26347), (552, 26359), (563, 26410), (593, 26542), (637, 26761), (680, 26992), (690, 27076),

Gene: HedwigODU_27 Start: 20881, Stop: 23313, Start Num: 88

Candidate Starts for HedwigODU_27:

(Start: 88 @20881 has 96 MA's), (137, 20980), (223, 21241), (230, 21262), (273, 21469), (283, 21502), (289, 21532), (320, 21604), (329, 21628), (345, 21673), (381, 21826), (388, 21871), (391, 21883), (395, 21892), (410, 21943), (446, 22123), (450, 22138), (466, 22207), (469, 22219), (494, 22324), (504, 22363), (505, 22369), (506, 22378), (525, 22459), (536, 22507), (555, 22582), (563, 22618), (586, 22699), (591, 22720), (611, 22813), (627, 22909), (657, 23056), (662, 23098), (671, 23137), (682, 23212),

Gene: Hegedechwinu_19 Start: 17254, Stop: 19785, Start Num: 45

Candidate Starts for Hegedechwinu_19:

(41, 17242), (Start: 45 @17254 has 236 MA's), (54, 17275), (Start: 61 @17296 has 1 MA's), (74, 17335), (109, 17404), (118, 17413), (120, 17416), (127, 17434), (149, 17467), (154, 17482), (168, 17524), (207, 17635), (208, 17638), (222, 17668), (228, 17683), (246, 17761), (265, 17851), (275, 17896), (284, 17926), (286, 17932), (288, 17950), (298, 17974), (301, 17983), (314, 18016), (316, 18022), (327, 18052), (343, 18091), (345, 18103), (348, 18112), (353, 18127), (354, 18130), (381, 18241), (382, 18244), (383, 18253), (384, 18259), (387, 18274), (389, 18277), (397, 18298), (407, 18328), (410, 18340), (417, 18373), (441, 18484), (442, 18487), (448, 18514), (449, 18520), (462, 18574), (463, 18577), (491, 18679), (493, 18691), (494, 18694), (507, 18760), (512, 18784), (515, 18805), (517, 18814), (534, 18874), (535, 18877), (543, 18913), (546, 18931), (551, 18943), (554, 18952), (560, 18979), (580, 19048), (584, 19066), (586, 19075), (587, 19087), (593, 19123), (600, 19153), (607, 19174), (614, 19198), (620, 19234), (627, 19288), (638, 19348), (644, 19390), (663, 19468), (674, 19525), (678, 19549), (685, 19603), (689, 19651), (699, 19693), (700, 19717), (701, 19720),

Gene: Henry_26 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for Henry_26:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (354, 23042), (392, 23198), (399, 23219), (428, 23339), (432, 23351), (441, 23396), (491, 23591), (494, 23606), (504, 23651), (506, 23666), (543, 23822), (546, 23840), (549, 23849), (584, 23978), (585, 23981), (626, 24191), (628, 24203), (656, 24317), (689, 24533), (701, 24617), (706, 24641), (708, 24650),

Gene: Hermia_34 Start: 25614, Stop: 27467, Start Num: 264

Candidate Starts for Hermia_34:

(Start: 264 @25614 has 216 MA's), (287, 25695), (313, 25761), (343, 25830), (360, 25878), (368, 25905), (385, 25983), (417, 26091), (491, 26397), (509, 26499), (526, 26571), (546, 26658), (587, 26814), (599, 26874), (640, 27045), (653, 27087), (661, 27129), (696, 27351), (699, 27372), (704, 27408),

Gene: HermioneGrange_31 Start: 24013, Stop: 25866, Start Num: 264

Candidate Starts for HermioneGrange_31:

(Start: 264 @24013 has 216 MA's), (287, 24094), (313, 24160), (343, 24229), (360, 24277), (368, 24304), (385, 24382), (397, 24418), (417, 24490), (491, 24796), (526, 24970), (546, 25057), (587, 25213), (640, 25444), (653, 25486), (661, 25528), (696, 25750), (699, 25771), (704, 25807),

Gene: Hidrated_41 Start: 32268, Stop: 34196, Start Num: 258

Candidate Starts for Hidrated_41:

(Start: 258 @32268 has 23 MA's), (318, 32463), (377, 32631), (389, 32688), (410, 32748), (411, 32757), (463, 32985), (477, 33021), (491, 33087), (501, 33132), (511, 33189), (512, 33192), (599, 33558), (642, 33774), (644, 33801), (653, 33822), (665, 33882), (675, 33936), (684, 34002),

Gene: Highbury_27 Start: 21945, Stop: 24341, Start Num: 81

Candidate Starts for Highbury_27:

(Start: 81 @21945 has 128 MA's), (163, 22122), (171, 22143), (238, 22290), (267, 22431), (274, 22464), (284, 22497), (292, 22533), (327, 22626), (348, 22686), (354, 22704), (385, 22836), (399, 22881), (432, 23013), (441, 23058), (456, 23118), (488, 23232), (491, 23253), (500, 23292), (504, 23313), (506, 23328), (541, 23478), (543, 23484), (546, 23502), (561, 23556), (584, 23640), (605, 23733), (656, 23979), (689, 24195), (701, 24279), (708, 24312),

Gene: Hlubikazi_18 Start: 17495, Stop: 20032, Start Num: 45

Candidate Starts for Hlubikazi_18:

(Start: 45 @17495 has 236 MA's), (54, 17516), (Start: 61 @17537 has 1 MA's), (74, 17576), (109, 17645), (118, 17654), (120, 17657), (127, 17675), (154, 17723), (207, 17882), (208, 17885), (227, 17927), (228, 17930), (246, 18008), (251, 18029), (252, 18032), (265, 18098), (284, 18173), (286, 18179), (298, 18221), (300, 18227), (301, 18230), (314, 18263), (316, 18269), (327, 18299), (336, 18320), (345, 18350), (348, 18359), (377, 18467), (380, 18479), (381, 18488), (382, 18491), (383, 18500), (384, 18506), (387, 18521), (389, 18524), (397, 18545), (410, 18587), (417, 18620), (448, 18761), (449, 18767), (462, 18821), (463, 18824), (474, 18851), (491, 18926), (493, 18938), (494, 18941), (507, 19007), (512, 19031), (515, 19052), (517, 19061), (534, 19121), (535, 19124), (543, 19160), (546, 19178), (554, 19199), (560, 19226), (580, 19295), (584, 19313), (586, 19322), (587, 19334), (593, 19370), (600, 19400), (620, 19481), (638, 19595), (644, 19637), (674, 19772), (678, 19796), (685, 19850), (700, 19964), (701, 19967),

Gene: HokkenD_34 Start: 29774, Stop: 31702, Start Num: 258

Candidate Starts for HokkenD_34:

(Start: 258 @29774 has 23 MA's), (318, 29969), (377, 30137), (389, 30194), (403, 30233), (411, 30263), (424, 30329), (477, 30527), (491, 30593), (501, 30638), (512, 30698), (551, 30857), (599, 31064), (644, 31307), (653, 31328), (665, 31388), (675, 31442), (684, 31508), (688, 31547), (704, 31646),

Gene: Holt_27 Start: 21564, Stop: 23960, Start Num: 81

Candidate Starts for Holt_27:

(Start: 81 @21564 has 128 MA's), (163, 21741), (171, 21762), (238, 21909), (267, 22050), (274, 22083), (284, 22116), (292, 22152), (327, 22245), (348, 22305), (354, 22323), (385, 22455), (399, 22500), (432, 22632), (441, 22677), (456, 22737), (488, 22851), (491, 22872), (500, 22911), (504, 22932), (506, 22947), (541, 23097), (543, 23103), (546, 23121), (561, 23175), (584, 23259), (605, 23352), (656, 23598), (689, 23814), (701, 23898), (708, 23931),

Gene: Homines_31 Start: 24385, Stop: 26238, Start Num: 264

Candidate Starts for Homines_31:

(Start: 264 @24385 has 216 MA's), (287, 24466), (313, 24532), (343, 24601), (360, 24649), (368, 24676), (385, 24754), (397, 24790), (417, 24862), (491, 25168), (526, 25342), (546, 25429), (587, 25585), (625, 25771), (640, 25816), (653, 25858), (661, 25900), (696, 26122), (704, 26179),

Gene: Homura_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Homura_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923),

(410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Hoonter_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for Hoonter_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: Hope4ever_31 Start: 24501, Stop: 26354, Start Num: 264

Candidate Starts for Hope4ever_31:

(Start: 264 @24501 has 216 MA's), (266, 24519), (287, 24582), (313, 24648), (343, 24717), (344, 24720), (360, 24765), (368, 24792), (377, 24828), (385, 24870), (397, 24906), (417, 24978), (489, 25269), (491, 25284), (526, 25458), (546, 25545), (587, 25701), (640, 25932), (653, 25974), (661, 26016), (696, 26238), (704, 26295),

Gene: Hopey_28 Start: 22561, Stop: 24957, Start Num: 81

Candidate Starts for Hopey_28:

(Start: 81 @22561 has 128 MA's), (163, 22738), (171, 22759), (238, 22906), (274, 23080), (284, 23113), (292, 23149), (327, 23242), (348, 23302), (354, 23320), (385, 23452), (399, 23497), (432, 23629), (441, 23674), (456, 23734), (488, 23848), (491, 23869), (500, 23908), (504, 23929), (506, 23944), (541, 24094), (543, 24100), (546, 24118), (561, 24172), (584, 24256), (605, 24349), (656, 24595), (689, 24811), (701, 24895), (708, 24928),

Gene: Hosp_024 Start: 25768, Stop: 28263, Start Num: 44

Candidate Starts for Hosp_024:

(Start: 44 @25768 has 6 MA's), (65, 25825), (85, 25882), (145, 26002), (152, 26020), (169, 26092), (171, 26098), (191, 26152), (205, 26188), (252, 26371), (261, 26416), (268, 26455), (285, 26509), (314, 26557), (325, 26587), (337, 26614), (348, 26650), (354, 26668), (361, 26692), (367, 26716), (385, 26800), (396, 26836), (407, 26866), (415, 26902), (419, 26920), (461, 27127), (464, 27139), (467, 27148), (486, 27223), (487, 27226), (489, 27235), (494, 27265), (496, 27268), (504, 27310), (506, 27325), (524, 27406), (529, 27418), (534, 27442), (536, 27457), (538, 27463), (557, 27544), (586, 27634), (588, 27649), (627, 27859), (629, 27880), (633, 27898), (686, 28195),

Gene: HuffyPuff_25 Start: 22268, Stop: 24664, Start Num: 81

Candidate Starts for HuffyPuff_25:

(Start: 81 @22268 has 128 MA's), (163, 22445), (171, 22466), (238, 22613), (267, 22754), (274, 22787), (284, 22820), (292, 22856), (327, 22949), (348, 23009), (354, 23027), (385, 23159), (399, 23204), (432, 23336), (441, 23381), (456, 23441), (488, 23555), (491, 23576), (500, 23615), (504, 23636), (506, 23651), (541, 23801), (543, 23807), (546, 23825), (561, 23879), (584, 23963), (605, 24056), (656, 24302), (689, 24518), (701, 24602), (708, 24635),

Gene: Hughesyang_37 Start: 30122, Stop: 32050, Start Num: 258

Candidate Starts for Hughesyang_37:

(Start: 258 @30122 has 23 MA's), (341, 30368), (381, 30506), (389, 30542), (407, 30590), (441, 30746), (462, 30836), (477, 30875), (491, 30941), (493, 30953), (494, 30956), (501, 30986), (512, 31046), (546, 31193), (554, 31214), (584, 31331), (594, 31391), (599, 31412), (617, 31490), (642, 31628), (653, 31676), (665, 31736), (675, 31790), (684, 31856), (696, 31937),

Gene: Hyperbowlee_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Hyperbowlee_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: IHOP_26 Start: 22460, Stop: 24856, Start Num: 81

Candidate Starts for IHOP_26:

(Start: 81 @22460 has 128 MA's), (163, 22637), (171, 22658), (238, 22805), (267, 22946), (274, 22979), (284, 23012), (292, 23048), (327, 23141), (348, 23201), (354, 23219), (392, 23375), (399, 23396), (428, 23516), (432, 23528), (441, 23573), (491, 23768), (492, 23774), (494, 23783), (504, 23828), (506, 23843), (543, 23999), (546, 24017), (549, 24026), (563, 24080), (584, 24155), (585, 24158), (626, 24368), (628, 24380), (656, 24494), (689, 24710), (701, 24794), (706, 24818), (708, 24827),

Gene: ILeeKay_33 Start: 24265, Stop: 26118, Start Num: 264

Candidate Starts for ILeeKay_33:

(Start: 264 @24265 has 216 MA's), (287, 24346), (313, 24412), (343, 24481), (360, 24529), (368, 24556), (377, 24592), (385, 24634), (397, 24670), (417, 24742), (491, 25048), (526, 25222), (546, 25309), (587, 25465), (599, 25525), (625, 25651), (640, 25696), (653, 25738), (661, 25780), (696, 26002), (699, 26023), (704, 26059),

Gene: IMpilo_18 Start: 17430, Stop: 19967, Start Num: 45

Candidate Starts for IMpilo_18:

(41, 17418), (Start: 45 @17430 has 236 MA's), (54, 17451), (Start: 61 @17472 has 1 MA's), (74, 17511), (109, 17580), (118, 17589), (120, 17592), (127, 17610), (149, 17643), (154, 17658), (168, 17706), (207, 17817), (208, 17820), (222, 17850), (227, 17862), (228, 17865), (246, 17943), (252, 17967), (265, 18033), (275, 18078), (284, 18108), (286, 18114), (288, 18132), (298, 18156), (301, 18165), (314, 18198), (316, 18204), (327, 18234), (343, 18273), (345, 18285), (348, 18294), (353, 18309), (354, 18312), (381, 18423), (382, 18426), (383, 18435), (384, 18441), (387, 18456), (389, 18459), (397, 18480), (407, 18510), (410, 18522), (417, 18555), (441, 18666), (442, 18669), (448, 18696), (449, 18702), (462, 18756), (463, 18759), (491, 18861), (493, 18873), (494, 18876), (507, 18942), (512, 18966), (515, 18987), (517, 18996), (534, 19056), (535, 19059), (543, 19095), (546, 19113), (551, 19125), (554, 19134), (560, 19161), (580, 19230), (584, 19248), (586, 19257), (587, 19269), (593, 19305), (600, 19335), (607, 19356), (614, 19380), (620, 19416), (627, 19470), (638, 19530), (644, 19572), (663, 19650), (674, 19707), (678, 19731), (685, 19785), (689, 19833), (699, 19875), (700, 19899), (701, 19902),

Gene: IbOuu_18 Start: 17397, Stop: 19934, Start Num: 45

Candidate Starts for IbOuu_18:

(41, 17385), (Start: 45 @17397 has 236 MA's), (54, 17418), (Start: 61 @17439 has 1 MA's), (74, 17478), (109, 17547), (118, 17556), (120, 17559), (127, 17577), (154, 17625), (168, 17673), (207, 17784), (208, 17787), (228, 17832), (246, 17910), (252, 17934), (265, 18000), (275, 18045), (284, 18075), (286, 18081), (288, 18099), (298, 18123), (301, 18132), (314, 18165), (316, 18171), (327, 18201), (343, 18240), (345, 18252), (348, 18261), (353, 18276), (354, 18279), (381, 18390), (382, 18393), (383, 18402), (384, 18408), (387, 18423), (389, 18426), (397, 18447), (407, 18477), (410, 18489), (417, 18522), (441, 18633), (442, 18636), (448, 18663), (449, 18669), (462, 18723), (463, 18726), (491, 18828), (493, 18840), (494, 18843), (507, 18909), (512, 18933), (515, 18954), (517, 18963), (534, 19023), (535, 19026), (543, 19062), (546, 19080), (554, 19101), (560, 19128), (580, 19197), (584, 19215), (586, 19224), (587, 19236), (593, 19272), (607, 19323), (612, 19341), (620,

19383), (627, 19437), (644, 19539), (674, 19674), (678, 19698), (685, 19752), (694, 19821), (700, 19866), (701, 19869),

Gene: Ibhubesi_18 Start: 17393, Stop: 19930, Start Num: 45

Candidate Starts for Ibhubesi_18:

(Start: 45 @17393 has 236 MA's), (54, 17414), (Start: 61 @17435 has 1 MA's), (74, 17474), (109, 17543), (118, 17552), (120, 17555), (127, 17573), (154, 17621), (207, 17780), (208, 17783), (228, 17828), (251, 17927), (252, 17930), (265, 17996), (284, 18071), (286, 18077), (288, 18095), (298, 18119), (300, 18125), (301, 18128), (314, 18161), (316, 18167), (327, 18197), (336, 18218), (343, 18236), (348, 18257), (377, 18365), (380, 18377), (381, 18386), (382, 18389), (383, 18398), (384, 18404), (387, 18419), (389, 18422), (397, 18443), (410, 18485), (417, 18518), (418, 18521), (432, 18584), (441, 18629), (442, 18632), (449, 18665), (462, 18719), (463, 18722), (474, 18749), (491, 18824), (493, 18836), (494, 18839), (507, 18905), (511, 18926), (512, 18929), (515, 18950), (529, 19001), (534, 19019), (535, 19022), (541, 19052), (546, 19076), (551, 19088), (554, 19097), (580, 19193), (584, 19211), (586, 19220), (587, 19232), (593, 19268), (600, 19298), (605, 19307), (607, 19319), (614, 19343), (620, 19379), (638, 19493), (644, 19535), (674, 19670), (678, 19694), (685, 19748), (689, 19796), (694, 19817), (700, 19862), (701, 19865),

Gene: Icee_25 Start: 21943, Stop: 24339, Start Num: 81

Candidate Starts for Icee_25:

(Start: 81 @21943 has 128 MA's), (163, 22120), (171, 22141), (238, 22288), (267, 22429), (274, 22462), (284, 22495), (292, 22531), (327, 22624), (348, 22684), (354, 22702), (376, 22783), (432, 23011), (441, 23056), (491, 23251), (492, 23257), (494, 23266), (504, 23311), (506, 23326), (543, 23482), (546, 23500), (549, 23509), (584, 23638), (585, 23641), (626, 23851), (628, 23863), (656, 23977), (689, 24193), (701, 24277), (706, 24301), (708, 24310),

Gene: Ichabod_32 Start: 24289, Stop: 26142, Start Num: 264

Candidate Starts for Ichabod_32:

(Start: 264 @24289 has 216 MA's), (287, 24370), (313, 24436), (343, 24505), (360, 24553), (368, 24580), (377, 24616), (385, 24658), (397, 24694), (417, 24766), (491, 25072), (509, 25174), (526, 25246), (546, 25333), (587, 25489), (599, 25549), (640, 25720), (653, 25762), (661, 25804), (696, 26026), (704, 26083),

Gene: Idergollasper_58 Start: 36096, Stop: 38606, Start Num: 66

Candidate Starts for Idergollasper_58:

(Start: 66 @36096 has 33 MA's), (73, 36129), (105, 36198), (106, 36201), (119, 36225), (130, 36249), (144, 36273), (155, 36306), (211, 36513), (217, 36525), (218, 36528), (255, 36675), (259, 36705), (265, 36729), (272, 36759), (273, 36762), (281, 36789), (288, 36813), (300, 36843), (320, 36900), (329, 36924), (343, 36960), (345, 36972), (353, 36996), (354, 36999), (366, 37041), (387, 37137), (389, 37140), (453, 37395), (491, 37539), (504, 37599), (514, 37671), (515, 37674), (540, 37770), (584, 37944), (587, 37965), (610, 38058), (613, 38070), (627, 38160), (653, 38235), (662, 38280), (693, 38481), (700, 38535), (704, 38550),

Gene: IgnatiusPatJac_31 Start: 24347, Stop: 26200, Start Num: 264

Candidate Starts for IgnatiusPatJac_31:

(Start: 264 @24347 has 216 MA's), (266, 24365), (287, 24428), (313, 24494), (343, 24563), (344, 24566), (360, 24611), (368, 24638), (377, 24674), (385, 24716), (397, 24752), (417, 24824), (491, 25130), (526, 25304), (546, 25391), (587, 25547), (599, 25607), (640, 25778), (653, 25820), (661, 25862), (696, 26084), (699, 26105), (704, 26141),

Gene: Illumine_27 Start: 20895, Stop: 23327, Start Num: 88

Candidate Starts for Illumine_27:

(Start: 88 @20895 has 96 MA's), (107, 20943), (137, 20994), (223, 21255), (230, 21276), (273, 21483), (283, 21516), (289, 21546), (320, 21618), (329, 21642), (345, 21687), (381, 21840), (391, 21897), (395, 21906), (406, 21942), (410, 21957), (446, 22137), (450, 22152), (466, 22221), (469, 22233), (486, 22296), (494, 22338), (504, 22377), (505, 22383), (506, 22392), (510, 22413), (525, 22473), (536, 22521), (550, 22578), (554, 22590), (563, 22632), (584, 22704), (586, 22713), (606, 22806), (611, 22827), (627, 22923), (637, 22977), (657, 23070), (671, 23151), (689, 23298),

Gene: Imara_56 Start: 35896, Stop: 38406, Start Num: 66

Candidate Starts for Imara_56:

(Start: 66 @35896 has 33 MA's), (73, 35929), (105, 35998), (106, 36001), (119, 36025), (130, 36049), (144, 36073), (155, 36106), (211, 36313), (217, 36325), (218, 36328), (255, 36475), (259, 36505), (265, 36529), (272, 36559), (273, 36562), (281, 36589), (288, 36613), (300, 36643), (320, 36700), (329, 36724), (343, 36760), (345, 36772), (353, 36796), (354, 36799), (366, 36841), (387, 36937), (389, 36940), (453, 37195), (491, 37339), (504, 37399), (514, 37471), (515, 37474), (540, 37570), (584, 37744), (587, 37765), (610, 37858), (613, 37870), (627, 37960), (653, 38035), (662, 38080), (693, 38281), (700, 38335), (704, 38350),

Gene: Inca_25 Start: 20963, Stop: 23359, Start Num: 81

Candidate Starts for Inca_25:

(Start: 81 @20963 has 128 MA's), (163, 21140), (171, 21161), (238, 21308), (267, 21449), (274, 21482), (284, 21515), (292, 21551), (327, 21644), (348, 21704), (354, 21722), (385, 21854), (399, 21899), (432, 22031), (441, 22076), (456, 22136), (488, 22250), (491, 22271), (500, 22310), (504, 22331), (506, 22346), (541, 22496), (543, 22502), (546, 22520), (561, 22574), (584, 22658), (605, 22751), (656, 22997), (689, 23213), (701, 23297), (708, 23330),

Gene: Inky_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Inky_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Inventum_18 Start: 17532, Stop: 20069, Start Num: 45

Candidate Starts for Inventum_18:

(Start: 45 @17532 has 236 MA's), (54, 17553), (Start: 61 @17574 has 1 MA's), (74, 17613), (109, 17682), (118, 17691), (120, 17694), (127, 17712), (154, 17760), (168, 17808), (207, 17919), (208, 17922), (228, 17967), (246, 18045), (252, 18069), (265, 18135), (284, 18210), (286, 18216), (288, 18234), (298, 18258), (301, 18267), (314, 18300), (316, 18306), (327, 18336), (336, 18357), (345, 18387), (348, 18396), (377, 18504), (380, 18516), (381, 18525), (382, 18528), (384, 18543), (387, 18558), (389, 18561), (397, 18582), (410, 18624), (417, 18657), (441, 18768), (442, 18771), (448, 18798), (449, 18804), (462, 18858), (463, 18861), (474, 18888), (491, 18963), (493, 18975), (494, 18978), (507, 19044), (511, 19065), (512, 19068), (515, 19089), (517, 19098), (529, 19140), (534, 19158), (535, 19161), (541, 19191), (546, 19215), (551, 19227), (554, 19236), (580, 19332), (584, 19350), (586, 19359), (587, 19371), (593, 19407), (600, 19437), (605, 19446), (607, 19458), (620, 19518), (627, 19572), (638, 19632), (644, 19674), (674, 19809), (678, 19833), (685, 19887), (689, 19935), (699, 19977), (700, 20001), (701, 20004),

Gene: Inyanga_30 Start: 23868, Stop: 25721, Start Num: 264

Candidate Starts for Inyanga_30:

(Start: 264 @23868 has 216 MA's), (287, 23949), (313, 24015), (343, 24084), (360, 24132), (368, 24159), (385, 24237), (397, 24273), (417, 24345), (491, 24651), (526, 24825), (546, 24912), (587,

25068), (625, 25254), (640, 25299), (653, 25341), (661, 25383), (704, 25662),

Gene: Iqorha_30 Start: 23867, Stop: 25720, Start Num: 264

Candidate Starts for Iqorha_30:

(Start: 264 @23867 has 216 MA's), (287, 23948), (313, 24014), (343, 24083), (360, 24131), (368, 24158), (385, 24236), (397, 24272), (417, 24344), (491, 24650), (526, 24824), (546, 24911), (587, 25067), (625, 25253), (640, 25298), (653, 25340), (661, 25382), (704, 25661),

Gene: IrishSherpFalk_19 Start: 18757, Stop: 21294, Start Num: 45

Candidate Starts for IrishSherpFalk_19:

(Start: 45 @18757 has 236 MA's), (54, 18778), (Start: 61 @18799 has 1 MA's), (74, 18838), (109, 18907), (118, 18916), (120, 18919), (127, 18937), (154, 18985), (204, 19138), (208, 19147), (228, 19192), (251, 19291), (252, 19294), (265, 19360), (284, 19435), (286, 19441), (288, 19459), (298, 19483), (300, 19489), (301, 19492), (314, 19525), (316, 19531), (327, 19561), (336, 19582), (345, 19612), (348, 19621), (353, 19636), (354, 19639), (381, 19750), (382, 19753), (383, 19762), (384, 19768), (387, 19783), (389, 19786), (397, 19807), (407, 19837), (410, 19849), (417, 19882), (441, 19993), (442, 19996), (448, 20023), (449, 20029), (462, 20083), (463, 20086), (489, 20173), (491, 20188), (493, 20200), (494, 20203), (507, 20269), (512, 20293), (515, 20314), (517, 20323), (534, 20383), (535, 20386), (543, 20422), (546, 20440), (551, 20452), (554, 20461), (560, 20488), (578, 20545), (580, 20557), (584, 20575), (586, 20584), (587, 20596), (593, 20632), (600, 20662), (605, 20671), (607, 20683), (620, 20743), (627, 20797), (638, 20857), (644, 20899), (674, 21034), (678, 21058), (685, 21112), (689, 21160), (699, 21202), (700, 21226), (701, 21229),

Gene: Island3_21 Start: 19089, Stop: 21620, Start Num: 63

Candidate Starts for Island3_21:

(Start: 63 @19089 has 2 MA's), (68, 19113), (112, 19224), (117, 19233), (130, 19260), (178, 19407), (251, 19674), (255, 19689), (259, 19719), (261, 19725), (265, 19743), (298, 19851), (316, 19902), (354, 20013), (355, 20016), (366, 20055), (375, 20088), (389, 20154), (410, 20214), (416, 20241), (417, 20247), (491, 20553), (504, 20613), (510, 20661), (511, 20664), (514, 20685), (515, 20688), (584, 20949), (612, 21072), (613, 21075), (627, 21165), (644, 21222), (653, 21243), (665, 21303), (695, 21504), (700, 21546),

Gene: JAWS_27 Start: 20866, Stop: 23298, Start Num: 88

Candidate Starts for JAWS_27:

(Start: 88 @20866 has 96 MA's), (137, 20965), (223, 21226), (230, 21247), (273, 21454), (283, 21487), (289, 21517), (320, 21589), (329, 21613), (381, 21811), (388, 21856), (391, 21868), (395, 21877), (410, 21928), (446, 22108), (450, 22123), (466, 22192), (469, 22204), (486, 22267), (494, 22309), (504, 22348), (505, 22354), (506, 22363), (510, 22384), (525, 22444), (554, 22561), (563, 22603), (584, 22675), (586, 22684), (591, 22705), (606, 22777), (611, 22798), (627, 22894), (657, 23041), (671, 23122), (689, 23269),

Gene: JC27_33 Start: 25001, Stop: 26854, Start Num: 264

Candidate Starts for JC27_33:

(Start: 264 @25001 has 216 MA's), (287, 25082), (313, 25148), (343, 25217), (360, 25265), (368, 25292), (385, 25370), (397, 25406), (417, 25478), (491, 25784), (526, 25958), (546, 26045), (587, 26201), (640, 26432), (653, 26474), (661, 26516), (696, 26738), (704, 26795),

Gene: Jabbawokkie_26 Start: 17616, Stop: 20168, Start Num: 29

Candidate Starts for Jabbawokkie_26:

(26, 17607), (Start: 29 @17616 has 7 MA's), (Start: 45 @17676 has 236 MA's), (59, 17712), (102, 17811), (168, 17952), (186, 17991), (190, 18006), (208, 18042), (212, 18048), (213, 18051), (226, 18069), (233, 18093), (240, 18117), (241, 18120), (272, 18264), (275, 18273), (284, 18297), (288, 18321), (298, 18345), (300, 18351), (307, 18372), (308, 18375), (316, 18393), (327, 18426), (339,

18456), (345, 18477), (372, 18570), (376, 18585), (377, 18594), (381, 18615), (382, 18618), (392, 18660), (407, 18702), (408, 18705), (410, 18714), (416, 18741), (418, 18750), (424, 18789), (430, 18810), (432, 18813), (440, 18849), (444, 18870), (462, 18948), (463, 18951), (482, 19005), (493, 19065), (510, 19152), (512, 19158), (515, 19179), (526, 19215), (539, 19269), (541, 19278), (559, 19356), (563, 19374), (575, 19410), (576, 19413), (580, 19431), (584, 19449), (593, 19506), (596, 19518), (614, 19581), (620, 19614), (631, 19701), (641, 19749), (643, 19773), (656, 19809), (662, 19848), (669, 19887), (674, 19911), (677, 19932), (689, 20028), (694, 20049), (702, 20109), (704, 20112), (708, 20139),

Gene: JackSparrow_32 Start: 24463, Stop: 26316, Start Num: 264

Candidate Starts for JackSparrow_32:

(Start: 264 @24463 has 216 MA's), (287, 24544), (313, 24610), (343, 24679), (360, 24727), (368, 24754), (377, 24790), (385, 24832), (397, 24868), (417, 24940), (491, 25246), (526, 25420), (546, 25507), (587, 25663), (625, 25849), (640, 25894), (653, 25936), (661, 25978), (696, 26200), (704, 26257),

Gene: JalFarm20_20 Start: 17767, Stop: 20304, Start Num: 45

Candidate Starts for JalFarm20_20:

(41, 17755), (Start: 45 @17767 has 236 MA's), (54, 17788), (Start: 61 @17809 has 1 MA's), (74, 17848), (109, 17917), (118, 17926), (120, 17929), (127, 17947), (149, 17980), (154, 17995), (168, 18043), (207, 18154), (208, 18157), (222, 18187), (227, 18199), (228, 18202), (246, 18280), (252, 18304), (265, 18370), (275, 18415), (284, 18445), (286, 18451), (288, 18469), (298, 18493), (301, 18502), (314, 18535), (316, 18541), (327, 18571), (343, 18610), (345, 18622), (348, 18631), (353, 18646), (354, 18649), (381, 18760), (382, 18763), (383, 18772), (384, 18778), (387, 18793), (389, 18796), (397, 18817), (407, 18847), (410, 18859), (417, 18892), (441, 19003), (442, 19006), (448, 19033), (449, 19039), (462, 19093), (463, 19096), (489, 19183), (491, 19198), (493, 19210), (494, 19213), (507, 19279), (512, 19303), (515, 19324), (517, 19333), (534, 19393), (535, 19396), (543, 19432), (546, 19450), (551, 19462), (554, 19471), (560, 19498), (580, 19567), (584, 19585), (586, 19594), (587, 19606), (593, 19642), (600, 19672), (607, 19693), (614, 19717), (620, 19753), (627, 19807), (638, 19867), (644, 19909), (663, 19987), (674, 20044), (678, 20068), (685, 20122), (689, 20170), (699, 20212), (700, 20236), (701, 20239),

Gene: James_18 Start: 17397, Stop: 19922, Start Num: 45

Candidate Starts for James_18:

(Start: 45 @17397 has 236 MA's), (54, 17418), (Start: 61 @17439 has 1 MA's), (74, 17478), (109, 17547), (118, 17556), (120, 17559), (127, 17577), (154, 17625), (168, 17673), (207, 17784), (208, 17787), (224, 17820), (228, 17832), (246, 17910), (259, 17976), (267, 18009), (279, 18063), (284, 18075), (300, 18129), (301, 18132), (304, 18141), (317, 18174), (333, 18213), (335, 18216), (342, 18231), (343, 18234), (350, 18261), (352, 18267), (353, 18270), (354, 18273), (362, 18300), (366, 18318), (367, 18321), (383, 18396), (387, 18417), (389, 18420), (398, 18447), (407, 18471), (417, 18516), (418, 18519), (428, 18570), (442, 18633), (444, 18642), (449, 18666), (480, 18771), (481, 18774), (491, 18825), (492, 18831), (493, 18837), (494, 18840), (504, 18885), (506, 18900), (511, 18927), (515, 18951), (529, 19002), (534, 19020), (535, 19023), (536, 19035), (551, 19089), (584, 19212), (595, 19275), (612, 19338), (622, 19413), (665, 19614), (698, 19824), (703, 19863), (704, 19866),

Gene: JangDynasty_58 Start: 36182, Stop: 38692, Start Num: 66

Candidate Starts for JangDynasty_58:

(Start: 66 @36182 has 33 MA's), (73, 36215), (105, 36284), (106, 36287), (119, 36311), (130, 36335), (144, 36359), (155, 36392), (211, 36599), (217, 36611), (218, 36614), (255, 36761), (259, 36791), (265, 36815), (272, 36845), (273, 36848), (281, 36875), (288, 36899), (300, 36929), (320, 36986), (329, 37010), (343, 37046), (345, 37058), (353, 37082), (354, 37085), (366, 37127), (387, 37223), (389, 37226), (453, 37481), (491, 37625), (504, 37685), (514, 37757), (515, 37760), (540, 37856),

(584, 38030), (587, 38051), (610, 38144), (613, 38156), (627, 38246), (653, 38321), (662, 38366), (693, 38567), (700, 38621), (704, 38636),

Gene: Jant_18 Start: 17553, Stop: 20090, Start Num: 45

Candidate Starts for Jant_18:

(41, 17541), (Start: 45 @17553 has 236 MA's), (54, 17574), (Start: 61 @17595 has 1 MA's), (74, 17634), (109, 17703), (118, 17712), (120, 17715), (127, 17733), (149, 17766), (154, 17781), (168, 17829), (204, 17934), (207, 17940), (208, 17943), (222, 17973), (227, 17985), (228, 17988), (246, 18066), (252, 18090), (265, 18156), (275, 18201), (284, 18231), (286, 18237), (288, 18255), (298, 18279), (301, 18288), (314, 18321), (316, 18327), (327, 18357), (343, 18396), (345, 18408), (348, 18417), (353, 18432), (354, 18435), (381, 18546), (382, 18549), (383, 18558), (384, 18564), (387, 18579), (389, 18582), (397, 18603), (407, 18633), (410, 18645), (417, 18678), (441, 18789), (442, 18792), (448, 18819), (449, 18825), (462, 18879), (463, 18882), (491, 18984), (493, 18996), (494, 18999), (507, 19065), (512, 19089), (515, 19110), (517, 19119), (534, 19179), (535, 19182), (543, 19218), (546, 19236), (551, 19248), (554, 19257), (560, 19284), (580, 19353), (584, 19371), (586, 19380), (587, 19392), (593, 19428), (600, 19458), (607, 19479), (614, 19503), (620, 19539), (627, 19593), (638, 19653), (644, 19695), (674, 19830), (678, 19854), (689, 19956), (699, 19998), (700, 20022), (701, 20025),

Gene: Jacob_18 Start: 17405, Stop: 19957, Start Num: 45

Candidate Starts for Jacob_18:

(Start: 45 @17405 has 236 MA's), (74, 17486), (109, 17555), (118, 17564), (120, 17567), (127, 17585), (154, 17633), (167, 17678), (207, 17792), (208, 17795), (215, 17807), (224, 17828), (227, 17837), (228, 17840), (241, 17888), (246, 17918), (259, 17984), (267, 18017), (275, 18053), (282, 18077), (300, 18137), (301, 18140), (307, 18158), (333, 18221), (335, 18224), (343, 18242), (348, 18263), (354, 18281), (362, 18308), (367, 18329), (376, 18362), (383, 18404), (384, 18410), (385, 18413), (389, 18428), (398, 18455), (399, 18458), (407, 18479), (410, 18491), (417, 18524), (438, 18617), (462, 18725), (472, 18749), (474, 18755), (479, 18773), (480, 18776), (485, 18800), (491, 18830), (497, 18854), (504, 18890), (505, 18896), (506, 18905), (511, 18932), (523, 18995), (529, 19019), (530, 19034), (541, 19076), (555, 19127), (581, 19223), (584, 19238), (586, 19247), (590, 19271), (605, 19334), (614, 19370), (670, 19676), (678, 19721), (689, 19823),

Gene: Jarvi_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Jarvi_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Jasper_32 Start: 23942, Stop: 25795, Start Num: 264

Candidate Starts for Jasper_32:

(Start: 264 @23942 has 216 MA's), (287, 24023), (313, 24089), (343, 24158), (360, 24206), (368, 24233), (385, 24311), (397, 24347), (417, 24419), (491, 24725), (526, 24899), (546, 24986), (587, 25142), (625, 25328), (640, 25373), (653, 25415), (661, 25457), (696, 25679), (704, 25736),

Gene: Jayhawk_27 Start: 20879, Stop: 23311, Start Num: 88

Candidate Starts for Jayhawk_27:

(Start: 88 @20879 has 96 MA's), (137, 20978), (223, 21239), (230, 21260), (273, 21467), (283, 21500), (289, 21530), (320, 21602), (329, 21626), (345, 21671), (381, 21824), (388, 21869), (391, 21881), (395, 21890), (410, 21941), (446, 22121), (450, 22136), (466, 22205), (469, 22217), (494, 22322), (504, 22361), (505, 22367), (506, 22376), (525, 22457), (536, 22505), (555, 22580), (563, 22616),

(586, 22697), (591, 22718), (611, 22811), (627, 22907), (657, 23054), (662, 23096), (671, 23135), (682, 23210),

Gene: JeTaime_28 Start: 23085, Stop: 25481, Start Num: 81

Candidate Starts for JeTaime_28:

(Start: 81 @23085 has 128 MA's), (163, 23262), (171, 23283), (238, 23430), (274, 23604), (284, 23637), (292, 23673), (327, 23766), (348, 23826), (354, 23844), (385, 23976), (399, 24021), (432, 24153), (441, 24198), (456, 24258), (488, 24372), (491, 24393), (500, 24432), (504, 24453), (506, 24468), (541, 24618), (543, 24624), (546, 24642), (561, 24696), (584, 24780), (605, 24873), (656, 25119), (689, 25335), (701, 25419), (708, 25452),

Gene: Jeckyll_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Jeckyll_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Jerm2_32 Start: 24285, Stop: 26138, Start Num: 264

Candidate Starts for Jerm2_32:

(Start: 264 @24285 has 216 MA's), (287, 24366), (313, 24432), (343, 24501), (360, 24549), (368, 24576), (385, 24654), (397, 24690), (417, 24762), (491, 25068), (526, 25242), (546, 25329), (587, 25485), (640, 25716), (653, 25758), (661, 25800), (696, 26022), (699, 26043), (704, 26079),

Gene: Jinglebell_17 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for Jinglebell_17:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584, 19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Job42_21 Start: 19082, Stop: 21619, Start Num: 45

Candidate Starts for Job42_21:

(Start: 45 @19082 has 236 MA's), (Start: 61 @19124 has 1 MA's), (83, 19172), (109, 19232), (118, 19241), (120, 19244), (127, 19262), (149, 19295), (154, 19310), (168, 19358), (207, 19469), (208, 19472), (222, 19502), (227, 19514), (228, 19517), (246, 19595), (252, 19619), (265, 19685), (275, 19730), (284, 19760), (286, 19766), (288, 19784), (298, 19808), (301, 19817), (314, 19850), (316, 19856), (327, 19886), (343, 19925), (345, 19937), (348, 19946), (353, 19961), (354, 19964), (381, 20075), (382, 20078), (383, 20087), (384, 20093), (387, 20108), (389, 20111), (397, 20132), (407, 20162), (410, 20174), (417, 20207), (441, 20318), (442, 20321), (448, 20348), (449, 20354), (462, 20408), (463, 20411), (491, 20513), (493, 20525), (494, 20528), (507, 20594), (512, 20618), (515, 20639), (517, 20648), (534, 20708), (535, 20711), (543, 20747), (546, 20765), (551, 20777), (554, 20786), (560, 20813), (580, 20882), (584, 20900), (586, 20909), (587, 20921), (593, 20957), (600,

20987), (607, 21008), (614, 21032), (620, 21068), (627, 21122), (638, 21182), (644, 21224), (663, 21302), (674, 21359), (678, 21383), (685, 21437), (689, 21485), (699, 21527), (700, 21551), (701, 21554),

Gene: JoeyJr_18 Start: 17568, Stop: 20105, Start Num: 45

Candidate Starts for JoeyJr_18:

(41, 17556), (Start: 45 @17568 has 236 MA's), (54, 17589), (Start: 61 @17610 has 1 MA's), (74, 17649), (109, 17718), (118, 17727), (120, 17730), (127, 17748), (154, 17796), (168, 17844), (207, 17955), (208, 17958), (228, 18003), (246, 18081), (252, 18105), (265, 18171), (275, 18216), (284, 18246), (286, 18252), (288, 18270), (298, 18294), (301, 18303), (314, 18336), (316, 18342), (327, 18372), (343, 18411), (345, 18423), (348, 18432), (353, 18447), (354, 18450), (381, 18561), (382, 18564), (383, 18573), (384, 18579), (387, 18594), (389, 18597), (397, 18618), (407, 18648), (410, 18660), (417, 18693), (441, 18804), (442, 18807), (448, 18834), (449, 18840), (462, 18894), (463, 18897), (491, 18999), (493, 19011), (494, 19014), (507, 19080), (512, 19104), (515, 19125), (517, 19134), (534, 19194), (535, 19197), (543, 19233), (546, 19251), (554, 19272), (560, 19299), (580, 19368), (584, 19386), (586, 19395), (587, 19407), (593, 19443), (607, 19494), (612, 19512), (620, 19554), (627, 19608), (644, 19710), (674, 19845), (678, 19869), (685, 19923), (694, 19992), (700, 20037), (701, 20040),

Gene: Jolie1_026 Start: 27564, Stop: 30065, Start Num: 44

Candidate Starts for Jolie1_026:

(Start: 44 @27564 has 6 MA's), (53, 27585), (65, 27621), (85, 27678), (145, 27798), (152, 27816), (169, 27888), (171, 27894), (191, 27948), (205, 27984), (252, 28167), (261, 28212), (268, 28251), (285, 28305), (337, 28410), (348, 28446), (354, 28464), (367, 28512), (385, 28596), (396, 28632), (407, 28662), (415, 28698), (419, 28716), (461, 28923), (464, 28935), (467, 28944), (486, 29019), (487, 29022), (494, 29061), (504, 29106), (506, 29121), (524, 29202), (529, 29214), (531, 29232), (534, 29238), (536, 29253), (538, 29259), (557, 29340), (586, 29430), (588, 29445), (602, 29517), (612, 29556), (627, 29655), (686, 29997),

Gene: Jolie2_22 Start: 19776, Stop: 22241, Start Num: 39

Candidate Starts for Jolie2_22:

(23, 19692), (24, 19707), (25, 19728), (Start: 39 @19776 has 9 MA's), (76, 19884), (87, 19905), (97, 19938), (225, 20241), (268, 20433), (283, 20484), (309, 20529), (348, 20628), (352, 20640), (354, 20646), (372, 20712), (376, 20727), (385, 20778), (419, 20898), (420, 20907), (461, 21105), (470, 21141), (480, 21180), (506, 21309), (513, 21354), (529, 21405), (542, 21465), (553, 21510), (586, 21621), (591, 21648), (612, 21747), (613, 21750), (626, 21843), (633, 21885), (655, 21990), (686, 22179), (689, 22221),

Gene: Jorgensen_31 Start: 23996, Stop: 25849, Start Num: 264

Candidate Starts for Jorgensen_31:

(Start: 264 @23996 has 216 MA's), (287, 24077), (313, 24143), (343, 24212), (360, 24260), (368, 24287), (385, 24365), (417, 24473), (491, 24779), (526, 24953), (546, 25040), (576, 25139), (587, 25196), (640, 25427), (653, 25469), (661, 25511), (696, 25733), (699, 25754), (704, 25790),

Gene: Joy99_27 Start: 20841, Stop: 23273, Start Num: 88

Candidate Starts for Joy99_27:

(Start: 88 @20841 has 96 MA's), (137, 20940), (223, 21201), (230, 21222), (273, 21429), (283, 21462), (289, 21492), (320, 21564), (329, 21588), (381, 21786), (388, 21831), (391, 21843), (395, 21852), (410, 21903), (446, 22083), (450, 22098), (466, 22167), (469, 22179), (486, 22242), (494, 22284), (504, 22323), (505, 22329), (506, 22338), (510, 22359), (525, 22419), (554, 22536), (563, 22578), (584, 22650), (591, 22680), (606, 22752), (611, 22773), (627, 22869), (657, 23016), (671, 23097), (689, 23244),

Gene: Juice456_20 Start: 18519, Stop: 21056, Start Num: 45

Candidate Starts for Juice456_20:

(41, 18507), (Start: 45 @18519 has 236 MA's), (54, 18540), (Start: 61 @18561 has 1 MA's), (74, 18600), (109, 18669), (118, 18678), (120, 18681), (127, 18699), (149, 18732), (154, 18747), (168, 18795), (207, 18906), (208, 18909), (222, 18939), (227, 18951), (228, 18954), (246, 19032), (252, 19056), (265, 19122), (275, 19167), (284, 19197), (286, 19203), (288, 19221), (298, 19245), (301, 19254), (314, 19287), (316, 19293), (327, 19323), (343, 19362), (345, 19374), (348, 19383), (353, 19398), (354, 19401), (381, 19512), (382, 19515), (383, 19524), (384, 19530), (387, 19545), (389, 19548), (397, 19569), (407, 19599), (410, 19611), (417, 19644), (441, 19755), (442, 19758), (448, 19785), (449, 19791), (462, 19845), (463, 19848), (489, 19935), (491, 19950), (493, 19962), (494, 19965), (507, 20031), (512, 20055), (515, 20076), (517, 20085), (529, 20127), (534, 20145), (535, 20148), (543, 20184), (546, 20202), (551, 20214), (554, 20223), (560, 20250), (580, 20319), (584, 20337), (586, 20346), (587, 20358), (593, 20394), (600, 20424), (607, 20445), (614, 20469), (620, 20505), (627, 20559), (638, 20619), (644, 20661), (663, 20739), (674, 20796), (678, 20820), (685, 20874), (689, 20922), (699, 20964), (700, 20988), (701, 20991),

Gene: JuicyJay_41 Start: 31975, Stop: 33903, Start Num: 258

Candidate Starts for JuicyJay_41:

(Start: 258 @31975 has 23 MA's), (318, 32170), (377, 32338), (389, 32395), (403, 32434), (411, 32464), (424, 32530), (477, 32728), (491, 32794), (501, 32839), (512, 32899), (551, 33058), (599, 33265), (644, 33508), (653, 33529), (665, 33589), (675, 33643), (684, 33709), (688, 33748), (704, 33847),

Gene: JuliaChild_33 Start: 24641, Stop: 26494, Start Num: 264

Candidate Starts for JuliaChild_33:

(Start: 264 @24641 has 216 MA's), (287, 24722), (313, 24788), (343, 24857), (360, 24905), (368, 24932), (385, 25010), (397, 25046), (417, 25118), (491, 25424), (509, 25526), (526, 25598), (546, 25685), (587, 25841), (640, 26072), (653, 26114), (661, 26156), (696, 26378), (704, 26435),

Gene: Juniper1_18 Start: 17394, Stop: 19931, Start Num: 45

Candidate Starts for Juniper1_18:

(Start: 45 @17394 has 236 MA's), (54, 17415), (Start: 61 @17436 has 1 MA's), (74, 17475), (109, 17544), (118, 17553), (120, 17556), (127, 17574), (149, 17607), (154, 17622), (207, 17781), (208, 17784), (228, 17829), (246, 17907), (252, 17931), (265, 17997), (284, 18072), (286, 18078), (298, 18120), (300, 18126), (301, 18129), (314, 18162), (316, 18168), (327, 18198), (336, 18219), (345, 18249), (348, 18258), (377, 18366), (380, 18378), (381, 18387), (382, 18390), (383, 18399), (384, 18405), (387, 18420), (389, 18423), (397, 18444), (410, 18486), (417, 18519), (441, 18630), (442, 18633), (448, 18660), (449, 18666), (462, 18720), (463, 18723), (474, 18750), (477, 18759), (491, 18825), (493, 18837), (494, 18840), (507, 18906), (511, 18927), (512, 18930), (515, 18951), (529, 19002), (534, 19020), (535, 19023), (541, 19053), (546, 19077), (551, 19089), (554, 19098), (580, 19194), (584, 19212), (586, 19221), (587, 19233), (593, 19269), (600, 19299), (607, 19320), (614, 19344), (620, 19380), (638, 19494), (644, 19536), (674, 19671), (678, 19695), (685, 19749), (694, 19818), (700, 19863), (701, 19866), (703, 19872),

Gene: KBG_32 Start: 24995, Stop: 26998, Start Num: 264

Candidate Starts for KBG_32:

(Start: 264 @24995 has 216 MA's), (287, 25076), (297, 25100), (313, 25142), (343, 25211), (344, 25214), (360, 25259), (368, 25286), (377, 25322), (385, 25364), (397, 25400), (417, 25472), (491, 25778), (509, 25880), (526, 25952), (546, 26039), (587, 26195), (640, 26426), (651, 26465), (653, 26468), (661, 26510), (696, 26732), (700, 26777), (704, 26789),

Gene: KSSJEB_31 Start: 23889, Stop: 25742, Start Num: 264

Candidate Starts for KSSJEB_31:

(Start: 264 @23889 has 216 MA's), (287, 23970), (313, 24036), (343, 24105), (360, 24153), (368, 24180), (385, 24258), (397, 24294), (417, 24366), (491, 24672), (509, 24774), (526, 24846), (546, 24933), (587, 25089), (599, 25149), (640, 25320), (653, 25362), (661, 25404), (696, 25626), (699, 25647), (704, 25683),

Gene: Kalah2_39 Start: 30562, Stop: 32490, Start Num: 258

Candidate Starts for Kalah2_39:

(Start: 258 @30562 has 23 MA's), (318, 30757), (377, 30925), (389, 30982), (403, 31021), (411, 31051), (424, 31117), (477, 31315), (491, 31381), (501, 31426), (512, 31486), (551, 31645), (599, 31852), (644, 32095), (653, 32116), (665, 32176), (675, 32230), (684, 32296), (688, 32335), (704, 32434),

Gene: Kanely_32 Start: 24699, Stop: 26552, Start Num: 264

Candidate Starts for Kanely_32:

(Start: 264 @24699 has 216 MA's), (287, 24780), (313, 24846), (343, 24915), (360, 24963), (368, 24990), (385, 25068), (397, 25104), (417, 25176), (491, 25482), (526, 25656), (546, 25743), (587, 25899), (640, 26130), (653, 26172), (661, 26214), (696, 26436), (699, 26457), (704, 26493),

Gene: Kanye_28 Start: 23270, Stop: 25666, Start Num: 81

Candidate Starts for Kanye_28:

(Start: 81 @23270 has 128 MA's), (163, 23447), (171, 23468), (238, 23615), (267, 23756), (274, 23789), (284, 23822), (292, 23858), (327, 23951), (348, 24011), (354, 24029), (385, 24161), (399, 24206), (432, 24338), (441, 24383), (456, 24443), (488, 24557), (491, 24578), (500, 24617), (504, 24638), (506, 24653), (541, 24803), (543, 24809), (546, 24827), (561, 24881), (584, 24965), (605, 25058), (656, 25304), (689, 25520), (701, 25604), (708, 25637),

Gene: Karhdo_18 Start: 17528, Stop: 20065, Start Num: 45

Candidate Starts for Karhdo_18:

(41, 17516), (Start: 45 @17528 has 236 MA's), (54, 17549), (Start: 61 @17570 has 1 MA's), (74, 17609), (109, 17678), (118, 17687), (120, 17690), (127, 17708), (149, 17741), (154, 17756), (168, 17804), (207, 17915), (208, 17918), (222, 17948), (227, 17960), (228, 17963), (246, 18041), (252, 18065), (265, 18131), (275, 18176), (284, 18206), (286, 18212), (288, 18230), (298, 18254), (301, 18263), (314, 18296), (316, 18302), (327, 18332), (343, 18371), (345, 18383), (348, 18392), (353, 18407), (354, 18410), (381, 18521), (382, 18524), (383, 18533), (384, 18539), (387, 18554), (389, 18557), (397, 18578), (407, 18608), (410, 18620), (417, 18653), (441, 18764), (442, 18767), (448, 18794), (449, 18800), (462, 18854), (463, 18857), (489, 18944), (491, 18959), (493, 18971), (494, 18974), (507, 19040), (512, 19064), (515, 19085), (517, 19094), (529, 19136), (534, 19154), (535, 19157), (541, 19187), (546, 19211), (551, 19223), (554, 19232), (580, 19328), (584, 19346), (586, 19355), (587, 19367), (593, 19403), (600, 19433), (605, 19442), (607, 19454), (620, 19514), (627, 19568), (638, 19628), (644, 19670), (674, 19805), (678, 19829), (685, 19883), (689, 19931), (699, 19973), (700, 19997), (701, 20000),

Gene: KashFlow_30 Start: 26008, Stop: 28503, Start Num: 45

Candidate Starts for KashFlow_30:

(Start: 45 @26008 has 236 MA's), (127, 26203), (149, 26239), (154, 26254), (186, 26341), (190, 26356), (208, 26392), (212, 26398), (230, 26431), (233, 26443), (272, 26614), (275, 26623), (284, 26647), (300, 26701), (314, 26737), (316, 26743), (327, 26773), (339, 26803), (345, 26824), (348, 26833), (353, 26848), (372, 26917), (389, 26998), (392, 27007), (399, 27028), (400, 27031), (410, 27061), (418, 27097), (428, 27148), (430, 27157), (432, 27160), (438, 27187), (440, 27196), (444, 27217), (462, 27295), (463, 27298), (485, 27370), (492, 27406), (493, 27412), (503, 27454), (504, 27460), (511, 27502), (512, 27505), (515, 27526), (516, 27532), (517, 27535), (526, 27565), (559, 27706), (561, 27715), (563, 27724), (574, 27757), (580, 27781), (581, 27784), (584, 27799), (587, 27820), (593, 27856), (595, 27862), (596, 27868), (601, 27889), (610, 27916), (631, 28051), (643,

28123), (645, 28129), (656, 28147), (674, 28246), (689, 28363), (702, 28444), (704, 28447), (708, 28474),

Gene: KayaCho_26 Start: 27566, Stop: 30061, Start Num: 44

Candidate Starts for KayaCho_26:

(Start: 44 @27566 has 6 MA's), (65, 27623), (76, 27662), (111, 27737), (152, 27818), (169, 27890), (191, 27950), (205, 27986), (252, 28169), (261, 28214), (285, 28307), (314, 28355), (337, 28412), (348, 28448), (354, 28466), (362, 28493), (367, 28514), (385, 28598), (396, 28634), (407, 28664), (415, 28700), (419, 28718), (461, 28925), (464, 28937), (467, 28946), (484, 29015), (486, 29021), (487, 29024), (494, 29063), (504, 29108), (510, 29147), (524, 29204), (529, 29216), (534, 29240), (536, 29255), (538, 29261), (557, 29342), (588, 29447), (627, 29657), (629, 29678), (669, 29870), (686, 29993), (690, 30038),

Gene: Kenmech_34 Start: 25405, Stop: 27258, Start Num: 264

Candidate Starts for Kenmech_34:

(Start: 264 @25405 has 216 MA's), (266, 25423), (287, 25486), (313, 25552), (343, 25621), (344, 25624), (360, 25669), (368, 25696), (385, 25774), (397, 25810), (417, 25882), (491, 26188), (526, 26362), (546, 26449), (587, 26605), (625, 26791), (640, 26836), (653, 26878), (661, 26920), (673, 26980), (696, 27142), (704, 27199),

Gene: Kenuha5_18 Start: 17523, Stop: 20015, Start Num: 45

Candidate Starts for Kenuha5_18:

(42, 17511), (Start: 45 @17523 has 236 MA's), (54, 17544), (Start: 61 @17565 has 1 MA's), (75, 17604), (109, 17673), (118, 17682), (120, 17685), (127, 17703), (149, 17736), (158, 17769), (168, 17802), (190, 17856), (208, 17892), (212, 17898), (213, 17901), (226, 17919), (230, 17931), (233, 17943), (240, 17967), (254, 18030), (272, 18114), (275, 18123), (284, 18147), (288, 18171), (298, 18195), (300, 18201), (307, 18222), (316, 18243), (327, 18273), (339, 18303), (345, 18324), (372, 18417), (376, 18432), (377, 18441), (381, 18462), (382, 18465), (407, 18549), (408, 18552), (410, 18561), (416, 18588), (418, 18597), (424, 18636), (430, 18657), (432, 18660), (440, 18696), (444, 18717), (462, 18795), (463, 18798), (482, 18852), (493, 18912), (512, 19005), (514, 19023), (515, 19026), (526, 19062), (539, 19116), (541, 19125), (559, 19203), (563, 19221), (575, 19257), (576, 19260), (580, 19278), (581, 19281), (584, 19296), (587, 19317), (593, 19353), (596, 19365), (614, 19428), (620, 19461), (631, 19548), (641, 19596), (643, 19620), (651, 19647), (656, 19656), (662, 19695), (669, 19734), (674, 19758), (677, 19779), (689, 19875), (694, 19896), (704, 19959), (708, 19986), (712, 19995),

Gene: Kersh_19 Start: 17568, Stop: 20060, Start Num: 45

Candidate Starts for Kersh_19:

(Start: 45 @17568 has 236 MA's), (54, 17589), (Start: 61 @17610 has 1 MA's), (75, 17649), (109, 17718), (118, 17727), (120, 17730), (127, 17748), (149, 17781), (158, 17814), (168, 17847), (190, 17901), (208, 17937), (213, 17946), (226, 17964), (233, 17988), (240, 18012), (262, 18120), (267, 18144), (272, 18159), (275, 18168), (284, 18192), (286, 18198), (288, 18216), (292, 18228), (296, 18234), (298, 18240), (300, 18246), (301, 18249), (304, 18258), (307, 18267), (314, 18282), (327, 18318), (343, 18357), (345, 18369), (348, 18378), (372, 18462), (389, 18543), (392, 18552), (400, 18576), (410, 18606), (418, 18642), (428, 18693), (430, 18702), (432, 18705), (440, 18741), (444, 18762), (462, 18840), (463, 18843), (482, 18897), (493, 18957), (510, 19044), (512, 19050), (515, 19071), (526, 19107), (539, 19161), (541, 19170), (559, 19248), (563, 19266), (575, 19302), (576, 19305), (580, 19323), (584, 19341), (593, 19398), (596, 19410), (614, 19473), (620, 19506), (631, 19593), (641, 19641), (643, 19665), (651, 19692), (656, 19701), (662, 19740), (669, 19779), (674, 19803), (677, 19824), (689, 19920), (694, 19941), (702, 20001), (704, 20004), (708, 20031),

Gene: KiSi_26 Start: 20041, Stop: 22500, Start Num: 88

Candidate Starts for KiSi_26:

(Start: 88 @20041 has 96 MA's), (107, 20089), (160, 20212), (180, 20269), (184, 20281), (211, 20374), (221, 20398), (235, 20449), (270, 20611), (300, 20722), (310, 20761), (320, 20785), (361, 20908), (377, 20980), (393, 21067), (411, 21133), (415, 21148), (436, 21250), (446, 21304), (460, 21364), (482, 21442), (483, 21454), (486, 21463), (494, 21505), (506, 21565), (528, 21652), (533, 21676), (548, 21748), (563, 21805), (591, 21916), (593, 21940), (598, 21961), (612, 22012), (632, 22141), (658, 22246), (689, 22471),

Gene: KikiBouba_33 Start: 25423, Stop: 27276, Start Num: 264

Candidate Starts for KikiBouba_33:

(Start: 264 @25423 has 216 MA's), (287, 25504), (313, 25570), (343, 25639), (360, 25687), (368, 25714), (385, 25792), (417, 25900), (491, 26206), (509, 26308), (526, 26380), (546, 26467), (587, 26623), (599, 26683), (640, 26854), (653, 26896), (661, 26938), (696, 27160), (699, 27181), (704, 27217),

Gene: Killigrew_29 Start: 23611, Stop: 25464, Start Num: 264

Candidate Starts for Killigrew_29:

(Start: 264 @23611 has 216 MA's), (266, 23629), (287, 23692), (313, 23758), (343, 23827), (360, 23875), (368, 23902), (377, 23938), (385, 23980), (397, 24016), (417, 24088), (491, 24394), (526, 24568), (546, 24655), (587, 24811), (625, 24997), (653, 25084), (661, 25126), (696, 25348), (699, 25369), (704, 25405),

Gene: Kimberlium_20 Start: 18519, Stop: 21056, Start Num: 45

Candidate Starts for Kimberlium_20:

(41, 18507), (Start: 45 @18519 has 236 MA's), (54, 18540), (Start: 61 @18561 has 1 MA's), (74, 18600), (109, 18669), (118, 18678), (120, 18681), (127, 18699), (149, 18732), (154, 18747), (168, 18795), (207, 18906), (208, 18909), (222, 18939), (227, 18951), (228, 18954), (246, 19032), (252, 19056), (265, 19122), (275, 19167), (284, 19197), (286, 19203), (288, 19221), (298, 19245), (301, 19254), (314, 19287), (316, 19293), (327, 19323), (343, 19362), (345, 19374), (348, 19383), (353, 19398), (354, 19401), (381, 19512), (382, 19515), (383, 19524), (384, 19530), (387, 19545), (389, 19548), (397, 19569), (407, 19599), (410, 19611), (417, 19644), (441, 19755), (442, 19758), (448, 19785), (449, 19791), (462, 19845), (463, 19848), (489, 19935), (491, 19950), (493, 19962), (494, 19965), (507, 20031), (512, 20055), (515, 20076), (517, 20085), (529, 20127), (534, 20145), (535, 20148), (543, 20184), (546, 20202), (551, 20214), (554, 20223), (560, 20250), (580, 20319), (584, 20337), (586, 20346), (587, 20358), (593, 20394), (600, 20424), (607, 20445), (614, 20469), (620, 20505), (627, 20559), (638, 20619), (644, 20661), (663, 20739), (674, 20796), (678, 20820), (685, 20874), (689, 20922), (699, 20964), (700, 20988), (701, 20991),

Gene: Kimchi_28 Start: 22277, Stop: 24673, Start Num: 81

Candidate Starts for Kimchi_28:

(Start: 81 @22277 has 128 MA's), (163, 22454), (171, 22475), (238, 22622), (267, 22763), (274, 22796), (284, 22829), (292, 22865), (327, 22958), (348, 23018), (354, 23036), (385, 23168), (399, 23213), (432, 23345), (441, 23390), (456, 23450), (488, 23564), (491, 23585), (500, 23624), (504, 23645), (506, 23660), (541, 23810), (543, 23816), (546, 23834), (561, 23888), (584, 23972), (605, 24065), (656, 24311), (689, 24527), (701, 24611), (708, 24644),

Gene: KingJulian_18 Start: 17437, Stop: 19974, Start Num: 45

Candidate Starts for KingJulian_18:

(41, 17425), (Start: 45 @17437 has 236 MA's), (54, 17458), (Start: 61 @17479 has 1 MA's), (74, 17518), (109, 17587), (118, 17596), (120, 17599), (127, 17617), (149, 17650), (154, 17665), (168, 17713), (207, 17824), (208, 17827), (222, 17857), (227, 17869), (228, 17872), (246, 17950), (252, 17974), (265, 18040), (275, 18085), (284, 18115), (286, 18121), (288, 18139), (298, 18163), (301, 18172), (314, 18205), (316, 18211), (327, 18241), (343, 18280), (345, 18292), (348, 18301), (353, 18316), (354, 18319), (381, 18430), (382, 18433), (383, 18442), (384, 18448), (387, 18463), (389,

18466), (397, 18487), (407, 18517), (410, 18529), (417, 18562), (441, 18673), (442, 18676), (448, 18703), (449, 18709), (462, 18763), (463, 18766), (489, 18853), (491, 18868), (493, 18880), (494, 18883), (507, 18949), (512, 18973), (515, 18994), (517, 19003), (534, 19063), (535, 19066), (543, 19102), (546, 19120), (551, 19132), (554, 19141), (560, 19168), (580, 19237), (584, 19255), (586, 19264), (587, 19276), (593, 19312), (600, 19342), (607, 19363), (614, 19387), (620, 19423), (627, 19477), (638, 19537), (644, 19579), (663, 19657), (674, 19714), (678, 19738), (685, 19792), (689, 19840), (699, 19882), (700, 19906), (701, 19909),

Gene: KingMidas_19 Start: 18701, Stop: 21238, Start Num: 45

Candidate Starts for KingMidas_19:

(41, 18689), (Start: 45 @18701 has 236 MA's), (54, 18722), (Start: 61 @18743 has 1 MA's), (74, 18782), (109, 18851), (118, 18860), (120, 18863), (127, 18881), (154, 18929), (168, 18977), (207, 19088), (208, 19091), (228, 19136), (246, 19214), (252, 19238), (265, 19304), (275, 19349), (284, 19379), (286, 19385), (288, 19403), (298, 19427), (301, 19436), (314, 19469), (316, 19475), (327, 19505), (343, 19544), (345, 19556), (348, 19565), (353, 19580), (354, 19583), (381, 19694), (382, 19697), (383, 19706), (384, 19712), (387, 19727), (389, 19730), (397, 19751), (407, 19781), (410, 19793), (417, 19826), (441, 19937), (442, 19940), (448, 19967), (449, 19973), (462, 20027), (463, 20030), (491, 20132), (493, 20144), (494, 20147), (507, 20213), (512, 20237), (515, 20258), (517, 20267), (534, 20327), (535, 20330), (543, 20366), (546, 20384), (554, 20405), (560, 20432), (580, 20501), (584, 20519), (586, 20528), (587, 20540), (593, 20576), (607, 20627), (612, 20645), (620, 20687), (627, 20741), (644, 20843), (674, 20978), (678, 21002), (685, 21056), (694, 21125), (700, 21170), (701, 21173),

Gene: KingPhillip3_57 Start: 36111, Stop: 38621, Start Num: 66

Candidate Starts for KingPhillip3_57:

(Start: 66 @36111 has 33 MA's), (73, 36144), (105, 36213), (106, 36216), (119, 36240), (130, 36264), (144, 36288), (155, 36321), (211, 36528), (217, 36540), (218, 36543), (255, 36690), (259, 36720), (265, 36744), (272, 36774), (273, 36777), (281, 36804), (288, 36828), (300, 36858), (320, 36915), (329, 36939), (343, 36975), (345, 36987), (353, 37011), (354, 37014), (366, 37056), (387, 37152), (389, 37155), (453, 37410), (491, 37554), (504, 37614), (514, 37686), (515, 37689), (540, 37785), (584, 37959), (587, 37980), (610, 38073), (613, 38085), (627, 38175), (653, 38250), (662, 38295), (693, 38496), (700, 38550), (704, 38565),

Gene: Kingsley_19 Start: 17253, Stop: 19730, Start Num: 45

Candidate Starts for Kingsley_19:

(42, 17241), (Start: 45 @17253 has 236 MA's), (54, 17274), (Start: 61 @17295 has 1 MA's), (75, 17334), (109, 17403), (118, 17412), (120, 17415), (127, 17433), (149, 17466), (154, 17481), (186, 17568), (190, 17583), (208, 17619), (212, 17625), (230, 17658), (233, 17670), (272, 17841), (275, 17850), (284, 17874), (300, 17928), (314, 17964), (316, 17970), (327, 18000), (339, 18030), (345, 18051), (348, 18060), (372, 18144), (384, 18207), (389, 18225), (392, 18234), (399, 18255), (400, 18258), (407, 18276), (410, 18288), (416, 18315), (418, 18324), (428, 18375), (430, 18384), (432, 18387), (438, 18414), (440, 18423), (444, 18444), (462, 18522), (463, 18525), (492, 18633), (493, 18639), (504, 18687), (511, 18729), (512, 18732), (515, 18753), (516, 18759), (517, 18762), (526, 18792), (559, 18933), (563, 18951), (574, 18984), (580, 19008), (581, 19011), (584, 19026), (587, 19047), (593, 19083), (595, 19089), (601, 19116), (610, 19143), (631, 19278), (641, 19326), (643, 19350), (645, 19356), (656, 19374), (674, 19473), (677, 19494), (680, 19512), (689, 19590), (694, 19611), (704, 19674), (706, 19692), (712, 19710),

Gene: Klein_39 Start: 29786, Stop: 31714, Start Num: 258

Candidate Starts for Klein_39:

(Start: 258 @29786 has 23 MA's), (318, 29981), (377, 30149), (389, 30206), (403, 30245), (411, 30275), (424, 30341), (477, 30539), (491, 30605), (501, 30650), (512, 30710), (551, 30869), (599, 31076), (644, 31319), (653, 31340), (665, 31400), (675, 31454), (684, 31520), (688, 31559), (704,

31658),

Gene: Konstantine_34 Start: 26883, Stop: 29726, Start Num: 13

Candidate Starts for Konstantine_34:

(Start: 13 @26883 has 8 MA's), (Start: 20 @27015 has 1 MA's), (21, 27027), (22, 27036), (33, 27105), (51, 27171), (57, 27192), (71, 27240), (89, 27282), (98, 27306), (115, 27339), (134, 27375), (142, 27387), (177, 27480), (197, 27537), (220, 27576), (267, 27771), (273, 27801), (286, 27843), (336, 27984), (343, 28002), (365, 28083), (376, 28122), (380, 28143), (417, 28281), (423, 28320), (440, 28383), (463, 28485), (514, 28710), (603, 29073), (610, 29100), (658, 29343), (661, 29376), (666, 29400), (684, 29520), (695, 29598), (711, 29685), (714, 29700), (715, 29706),

Gene: Kostya_26 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for Kostya_26:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (354, 23042), (376, 23123), (432, 23351), (441, 23396), (491, 23591), (492, 23597), (494, 23606), (504, 23651), (506, 23666), (543, 23822), (546, 23840), (549, 23849), (584, 23978), (585, 23981), (626, 24191), (628, 24203), (656, 24317), (689, 24533), (701, 24617), (706, 24641), (708, 24650),

Gene: Krakatau_19 Start: 18095, Stop: 20632, Start Num: 45

Candidate Starts for Krakatau_19:

(Start: 45 @18095 has 236 MA's), (54, 18116), (Start: 61 @18137 has 1 MA's), (74, 18176), (109, 18245), (118, 18254), (120, 18257), (127, 18275), (149, 18308), (154, 18323), (168, 18371), (207, 18482), (208, 18485), (222, 18515), (227, 18527), (228, 18530), (252, 18632), (265, 18698), (275, 18743), (284, 18773), (286, 18779), (288, 18797), (298, 18821), (301, 18830), (314, 18863), (316, 18869), (327, 18899), (343, 18938), (345, 18950), (348, 18959), (353, 18974), (355, 18980), (381, 19088), (382, 19091), (383, 19100), (384, 19106), (387, 19121), (389, 19124), (397, 19145), (407, 19175), (410, 19187), (417, 19220), (441, 19331), (442, 19334), (448, 19361), (449, 19367), (462, 19421), (463, 19424), (491, 19526), (493, 19538), (494, 19541), (507, 19607), (512, 19631), (515, 19652), (517, 19661), (534, 19721), (535, 19724), (543, 19760), (546, 19778), (551, 19790), (554, 19799), (560, 19826), (580, 19895), (584, 19913), (586, 19922), (587, 19934), (593, 19970), (600, 20000), (607, 20021), (614, 20045), (620, 20081), (627, 20135), (638, 20195), (644, 20237), (663, 20315), (674, 20372), (678, 20396), (685, 20450), (689, 20498), (700, 20564), (701, 20567),

Gene: Krili_57 Start: 35606, Stop: 38116, Start Num: 66

Candidate Starts for Krili_57:

(Start: 66 @35606 has 33 MA's), (73, 35639), (105, 35708), (106, 35711), (119, 35735), (130, 35759), (144, 35783), (155, 35816), (211, 36023), (217, 36035), (218, 36038), (255, 36185), (259, 36215), (265, 36239), (272, 36269), (273, 36272), (281, 36299), (288, 36323), (300, 36353), (320, 36410), (329, 36434), (343, 36470), (345, 36482), (353, 36506), (354, 36509), (366, 36551), (387, 36647), (389, 36650), (453, 36905), (491, 37049), (504, 37109), (514, 37181), (515, 37184), (540, 37280), (584, 37454), (587, 37475), (610, 37568), (613, 37580), (627, 37670), (653, 37745), (662, 37790), (693, 37991), (700, 38045), (704, 38060),

Gene: KristaRAM_19 Start: 18070, Stop: 20607, Start Num: 45

Candidate Starts for KristaRAM_19:

(41, 18058), (Start: 45 @18070 has 236 MA's), (54, 18091), (Start: 61 @18112 has 1 MA's), (74, 18151), (109, 18220), (118, 18229), (120, 18232), (127, 18250), (149, 18283), (154, 18298), (168, 18346), (207, 18457), (208, 18460), (222, 18490), (227, 18502), (228, 18505), (246, 18583), (252, 18607), (265, 18673), (275, 18718), (284, 18748), (286, 18754), (288, 18772), (298, 18796), (301, 18805), (314, 18838), (316, 18844), (327, 18874), (343, 18913), (345, 18925), (348, 18934), (353, 18949), (354, 18952), (381, 19063), (382, 19066), (383, 19075), (384, 19081), (387, 19096), (389, 19099), (397, 19120), (407, 19150), (410, 19162), (417, 19195), (441, 19306), (442, 19309), (448,

19336), (449, 19342), (462, 19396), (463, 19399), (489, 19486), (491, 19501), (493, 19513), (494, 19516), (507, 19582), (512, 19606), (515, 19627), (517, 19636), (534, 19696), (535, 19699), (543, 19735), (546, 19753), (551, 19765), (554, 19774), (560, 19801), (580, 19870), (584, 19888), (586, 19897), (587, 19909), (593, 19945), (600, 19975), (607, 19996), (614, 20020), (620, 20056), (627, 20110), (638, 20170), (644, 20212), (663, 20290), (674, 20347), (678, 20371), (685, 20425), (689, 20473), (699, 20515), (700, 20539), (701, 20542),

Gene: Kugel_32 Start: 24272, Stop: 26125, Start Num: 264

Candidate Starts for Kugel_32:

(Start: 264 @24272 has 216 MA's), (287, 24353), (313, 24419), (343, 24488), (360, 24536), (368, 24563), (385, 24641), (397, 24677), (410, 24716), (417, 24749), (426, 24800), (491, 25055), (517, 25199), (526, 25229), (546, 25316), (587, 25472), (625, 25658), (640, 25703), (653, 25745), (661, 25787), (696, 26009), (704, 26066),

Gene: Kumao_30 Start: 23701, Stop: 26268, Start Num: 36

Candidate Starts for Kumao_30:

(Start: 36 @23701 has 6 MA's), (55, 23767), (104, 23899), (120, 23923), (140, 23956), (168, 24031), (174, 24049), (191, 24100), (225, 24166), (272, 24370), (301, 24469), (314, 24502), (332, 24553), (370, 24676), (371, 24679), (417, 24856), (432, 24922), (445, 24988), (450, 25006), (454, 25021), (458, 25045), (490, 25150), (491, 25162), (518, 25300), (541, 25399), (543, 25405), (548, 25435), (559, 25477), (604, 25660), (605, 25663), (610, 25684), (611, 25690), (627, 25789), (634, 25828), (651, 25915), (672, 26014), (681, 26065), (683, 26083), (688, 26137), (704, 26212),

Gene: KyMonks1A_33 Start: 24438, Stop: 26291, Start Num: 264

Candidate Starts for KyMonks1A_33:

(Start: 264 @24438 has 216 MA's), (287, 24519), (313, 24585), (343, 24654), (360, 24702), (385, 24807), (397, 24843), (417, 24915), (491, 25221), (509, 25323), (526, 25395), (546, 25482), (587, 25638), (640, 25869), (653, 25911), (661, 25953), (696, 26175), (704, 26232),

Gene: Kykar_31 Start: 24060, Stop: 25913, Start Num: 264

Candidate Starts for Kykar_31:

(Start: 264 @24060 has 216 MA's), (287, 24141), (313, 24207), (343, 24276), (360, 24324), (368, 24351), (385, 24429), (397, 24465), (417, 24537), (491, 24843), (526, 25017), (546, 25104), (577, 25206), (587, 25260), (640, 25491), (653, 25533), (661, 25575), (696, 25797), (699, 25818), (704, 25854),

Gene: Lamina13_31 Start: 23709, Stop: 25562, Start Num: 264

Candidate Starts for Lamina13_31:

(Start: 264 @23709 has 216 MA's), (287, 23790), (313, 23856), (343, 23925), (360, 23973), (368, 24000), (385, 24078), (410, 24153), (417, 24186), (426, 24237), (491, 24492), (526, 24666), (546, 24753), (587, 24909), (625, 25095), (640, 25140), (653, 25182), (661, 25224), (696, 25446), (699, 25467), (704, 25503),

Gene: LaterM_27 Start: 20812, Stop: 23244, Start Num: 88

Candidate Starts for LaterM_27:

(Start: 88 @20812 has 96 MA's), (112, 20869), (137, 20911), (223, 21172), (230, 21193), (273, 21400), (283, 21433), (289, 21463), (320, 21535), (329, 21559), (345, 21604), (381, 21757), (391, 21814), (395, 21823), (406, 21859), (410, 21874), (446, 22054), (450, 22069), (466, 22138), (469, 22150), (486, 22213), (494, 22255), (504, 22294), (505, 22300), (506, 22309), (510, 22330), (525, 22390), (536, 22438), (537, 22441), (541, 22456), (551, 22498), (554, 22507), (567, 22564), (584, 22621), (586, 22630), (591, 22651), (598, 22696), (611, 22744), (627, 22840), (671, 23068), (689, 23215),

Gene: Latretium_19 Start: 18077, Stop: 20614, Start Num: 45

Candidate Starts for Latretium_19:

(41, 18065), (Start: 45 @18077 has 236 MA's), (54, 18098), (Start: 61 @18119 has 1 MA's), (74, 18158), (109, 18227), (118, 18236), (120, 18239), (127, 18257), (154, 18305), (207, 18464), (208, 18467), (222, 18497), (228, 18512), (246, 18590), (251, 18611), (252, 18614), (265, 18680), (284, 18755), (286, 18761), (288, 18779), (298, 18803), (300, 18809), (301, 18812), (314, 18845), (316, 18851), (327, 18881), (336, 18902), (345, 18932), (348, 18941), (377, 19049), (381, 19070), (382, 19073), (383, 19082), (384, 19088), (387, 19103), (389, 19106), (397, 19127), (410, 19169), (417, 19202), (448, 19343), (449, 19349), (462, 19403), (463, 19406), (474, 19433), (491, 19508), (493, 19520), (494, 19523), (507, 19589), (512, 19613), (515, 19634), (517, 19643), (534, 19703), (535, 19706), (543, 19742), (546, 19760), (554, 19781), (560, 19808), (578, 19865), (580, 19877), (584, 19895), (586, 19904), (587, 19916), (593, 19952), (600, 19982), (620, 20063), (627, 20117), (638, 20177), (644, 20219), (674, 20354), (678, 20378), (685, 20432), (699, 20522), (700, 20546), (701, 20549),

Gene: LeMond_26 Start: 20112, Stop: 22571, Start Num: 88

Candidate Starts for LeMond_26:

(Start: 88 @20112 has 96 MA's), (107, 20160), (160, 20283), (180, 20340), (184, 20352), (211, 20445), (221, 20469), (235, 20520), (270, 20682), (300, 20793), (310, 20832), (320, 20856), (361, 20979), (377, 21051), (393, 21138), (415, 21219), (436, 21321), (446, 21375), (460, 21435), (482, 21513), (483, 21525), (486, 21534), (494, 21576), (504, 21621), (506, 21636), (528, 21723), (533, 21747), (548, 21819), (563, 21876), (591, 21987), (593, 22011), (598, 22032), (612, 22083), (632, 22212), (658, 22317), (689, 22542),

Gene: Lemuria_23 Start: 20578, Stop: 23055, Start Num: 39

Candidate Starts for Lemuria_23:

(Start: 39 @20578 has 9 MA's), (76, 20686), (92, 20722), (97, 20740), (225, 21052), (283, 21295), (309, 21340), (349, 21442), (354, 21457), (372, 21523), (376, 21538), (385, 21589), (396, 21625), (415, 21691), (420, 21718), (461, 21916), (480, 21991), (529, 22216), (542, 22276), (553, 22321), (591, 22459), (612, 22555), (633, 22693), (686, 22993),

Gene: Leozinho_19 Start: 17243, Stop: 19780, Start Num: 45

Candidate Starts for Leozinho_19:

(41, 17231), (Start: 45 @17243 has 236 MA's), (54, 17264), (Start: 61 @17285 has 1 MA's), (74, 17324), (109, 17393), (118, 17402), (120, 17405), (127, 17423), (149, 17456), (154, 17471), (168, 17519), (207, 17630), (208, 17633), (222, 17663), (227, 17675), (228, 17678), (246, 17756), (252, 17780), (265, 17846), (275, 17891), (284, 17921), (286, 17927), (288, 17945), (298, 17969), (301, 17978), (314, 18011), (316, 18017), (327, 18047), (343, 18086), (345, 18098), (348, 18107), (353, 18122), (354, 18125), (381, 18236), (382, 18239), (383, 18248), (384, 18254), (387, 18269), (389, 18272), (397, 18293), (407, 18323), (410, 18335), (417, 18368), (441, 18479), (442, 18482), (448, 18509), (449, 18515), (462, 18569), (463, 18572), (491, 18674), (493, 18686), (494, 18689), (507, 18755), (512, 18779), (515, 18800), (517, 18809), (534, 18869), (535, 18872), (543, 18908), (546, 18926), (551, 18938), (554, 18947), (560, 18974), (580, 19043), (584, 19061), (586, 19070), (587, 19082), (593, 19118), (600, 19148), (607, 19169), (614, 19193), (620, 19229), (627, 19283), (638, 19343), (644, 19385), (663, 19463), (674, 19520), (678, 19544), (685, 19598), (689, 19646), (699, 19688), (700, 19712), (701, 19715),

Gene: Leperchaun_18 Start: 17387, Stop: 19939, Start Num: 45

Candidate Starts for Leperchaun_18:

(Start: 45 @17387 has 236 MA's), (54, 17408), (Start: 61 @17429 has 1 MA's), (74, 17468), (109, 17537), (118, 17546), (120, 17549), (127, 17567), (149, 17600), (154, 17615), (168, 17663), (207, 17774), (208, 17777), (224, 17810), (227, 17819), (228, 17822), (246, 17900), (259, 17966), (267, 17999), (279, 18053), (284, 18065), (298, 18113), (301, 18122), (304, 18131), (317, 18164), (335, 18206), (342, 18221), (350, 18251), (352, 18257), (353, 18260), (354, 18263), (362, 18290), (367,

18311), (376, 18344), (383, 18386), (384, 18392), (385, 18395), (387, 18407), (389, 18410), (398, 18437), (407, 18461), (410, 18473), (417, 18506), (421, 18527), (438, 18599), (442, 18620), (472, 18731), (479, 18755), (480, 18758), (485, 18782), (491, 18812), (497, 18836), (504, 18872), (505, 18878), (506, 18887), (523, 18977), (529, 19001), (530, 19016), (541, 19058), (543, 19064), (555, 19109), (581, 19205), (584, 19220), (586, 19229), (590, 19253), (605, 19316), (670, 19658), (678, 19703), (689, 19805),

Gene: Lesedi_30 Start: 23867, Stop: 25720, Start Num: 264

Candidate Starts for Lesedi_30:

(Start: 264 @23867 has 216 MA's), (287, 23948), (313, 24014), (343, 24083), (360, 24131), (368, 24158), (385, 24236), (397, 24272), (417, 24344), (491, 24650), (526, 24824), (546, 24911), (587, 25067), (640, 25298), (653, 25340), (661, 25382), (696, 25604), (699, 25625), (700, 25649), (704, 25661),

Gene: Levia_31 Start: 24856, Stop: 26709, Start Num: 264

Candidate Starts for Levia_31:

(Start: 264 @24856 has 216 MA's), (287, 24937), (313, 25003), (343, 25072), (360, 25120), (368, 25147), (377, 25183), (385, 25225), (397, 25261), (417, 25333), (491, 25639), (526, 25813), (546, 25900), (584, 26035), (587, 26056), (640, 26287), (653, 26329), (661, 26371), (696, 26593), (704, 26650),

Gene: Licorice_33 Start: 25096, Stop: 26949, Start Num: 264

Candidate Starts for Licorice_33:

(Start: 264 @25096 has 216 MA's), (287, 25177), (313, 25243), (343, 25312), (360, 25360), (368, 25387), (385, 25465), (397, 25501), (417, 25573), (491, 25879), (526, 26053), (546, 26140), (587, 26296), (640, 26527), (653, 26569), (661, 26611), (696, 26833), (704, 26890),

Gene: LilBib_32 Start: 25309, Stop: 27162, Start Num: 264

Candidate Starts for LilBib_32:

(Start: 264 @25309 has 216 MA's), (287, 25390), (313, 25456), (343, 25525), (360, 25573), (368, 25600), (385, 25678), (397, 25714), (417, 25786), (491, 26092), (526, 26266), (546, 26353), (587, 26509), (640, 26740), (653, 26782), (661, 26824), (696, 27046), (704, 27103),

Gene: LilMcDreamy_27 Start: 29183, Stop: 31675, Start Num: 44

Candidate Starts for LilMcDreamy_27:

(Start: 44 @29183 has 6 MA's), (69, 29261), (99, 29336), (285, 29906), (295, 29930), (343, 30029), (349, 30053), (352, 30062), (362, 30095), (366, 30113), (378, 30161), (409, 30275), (415, 30302), (422, 30341), (441, 30437), (446, 30461), (461, 30527), (486, 30623), (493, 30662), (524, 30806), (536, 30857), (544, 30896), (547, 30905), (559, 30950), (588, 31061), (612, 31172), (627, 31271), (660, 31430), (676, 31532), (686, 31613),

Gene: LilMoolah_18 Start: 17531, Stop: 20056, Start Num: 45

Candidate Starts for LilMoolah_18:

(Start: 45 @17531 has 236 MA's), (54, 17552), (Start: 61 @17573 has 1 MA's), (74, 17612), (109, 17681), (118, 17690), (120, 17693), (127, 17711), (154, 17759), (168, 17807), (207, 17918), (208, 17921), (224, 17954), (228, 17966), (246, 18044), (259, 18110), (267, 18143), (279, 18197), (284, 18209), (300, 18263), (301, 18266), (304, 18275), (317, 18308), (333, 18347), (335, 18350), (342, 18365), (343, 18368), (350, 18395), (352, 18401), (353, 18404), (354, 18407), (362, 18434), (366, 18452), (367, 18455), (383, 18530), (387, 18551), (389, 18554), (398, 18581), (407, 18605), (417, 18650), (418, 18653), (428, 18704), (442, 18767), (444, 18776), (449, 18800), (480, 18905), (481, 18908), (491, 18959), (492, 18965), (493, 18971), (494, 18974), (504, 19019), (506, 19034), (511, 19061), (515, 19085), (529, 19136), (534, 19154), (535, 19157), (536, 19169), (551, 19223), (584, 19346), (595, 19409), (612, 19472), (622, 19547), (665, 19748), (698, 19958), (703, 19997), (704,

20000),

Gene: Lilac_28 Start: 21781, Stop: 24177, Start Num: 81

Candidate Starts for Lilac_28:

(Start: 81 @21781 has 128 MA's), (163, 21958), (171, 21979), (238, 22126), (274, 22300), (284, 22333), (292, 22369), (327, 22462), (348, 22522), (354, 22540), (385, 22672), (399, 22717), (432, 22849), (441, 22894), (456, 22954), (488, 23068), (491, 23089), (500, 23128), (504, 23149), (506, 23164), (541, 23314), (543, 23320), (546, 23338), (561, 23392), (584, 23476), (605, 23569), (656, 23815), (689, 24031), (701, 24115), (708, 24148),

Gene: Lilizi_28 Start: 21989, Stop: 24385, Start Num: 81

Candidate Starts for Lilizi_28:

(Start: 81 @21989 has 128 MA's), (163, 22166), (171, 22187), (238, 22334), (274, 22508), (284, 22541), (292, 22577), (327, 22670), (348, 22730), (354, 22748), (385, 22880), (399, 22925), (432, 23057), (441, 23102), (456, 23162), (488, 23276), (491, 23297), (500, 23336), (504, 23357), (506, 23372), (541, 23522), (543, 23528), (546, 23546), (561, 23600), (584, 23684), (605, 23777), (656, 24023), (689, 24239), (701, 24323), (708, 24356),

Gene: Lilpickle_25 Start: 21491, Stop: 23887, Start Num: 81

Candidate Starts for Lilpickle_25:

(Start: 81 @21491 has 128 MA's), (163, 21668), (171, 21689), (238, 21836), (274, 22010), (284, 22043), (292, 22079), (327, 22172), (348, 22232), (354, 22250), (385, 22382), (399, 22427), (432, 22559), (441, 22604), (456, 22664), (488, 22778), (491, 22799), (500, 22838), (504, 22859), (506, 22874), (541, 23024), (543, 23030), (546, 23048), (561, 23102), (584, 23186), (605, 23279), (656, 23525), (689, 23741), (701, 23825), (708, 23858),

Gene: LindNT_27 Start: 20846, Stop: 23278, Start Num: 88

Candidate Starts for LindNT_27:

(Start: 88 @20846 has 96 MA's), (137, 20945), (223, 21206), (273, 21434), (283, 21467), (289, 21497), (320, 21569), (329, 21593), (345, 21638), (381, 21791), (388, 21836), (391, 21848), (395, 21857), (406, 21893), (410, 21908), (446, 22088), (450, 22103), (466, 22172), (469, 22184), (486, 22247), (494, 22289), (504, 22328), (505, 22334), (506, 22343), (510, 22364), (525, 22424), (554, 22541), (563, 22583), (584, 22655), (586, 22664), (591, 22685), (606, 22757), (611, 22778), (627, 22874), (671, 23102), (689, 23249),

Gene: LittleE_39 Start: 30972, Stop: 33527, Start Num: 45

Candidate Starts for LittleE_39:

(Start: 45 @30972 has 236 MA's), (127, 31167), (149, 31203), (154, 31218), (168, 31266), (207, 31377), (208, 31380), (222, 31410), (228, 31425), (246, 31503), (252, 31527), (265, 31593), (275, 31638), (284, 31668), (286, 31674), (288, 31692), (298, 31716), (301, 31725), (314, 31758), (316, 31764), (327, 31794), (343, 31833), (345, 31845), (348, 31854), (353, 31869), (354, 31872), (381, 31983), (382, 31986), (383, 31995), (384, 32001), (387, 32016), (389, 32019), (407, 32070), (410, 32082), (417, 32115), (432, 32181), (441, 32226), (442, 32229), (448, 32256), (449, 32262), (462, 32316), (463, 32319), (489, 32406), (491, 32421), (493, 32433), (494, 32436), (507, 32502), (515, 32547), (517, 32556), (534, 32616), (535, 32619), (543, 32655), (546, 32673), (551, 32685), (554, 32694), (560, 32721), (580, 32790), (584, 32808), (586, 32817), (587, 32829), (593, 32865), (600, 32895), (607, 32916), (614, 32940), (620, 32976), (627, 33030), (638, 33090), (644, 33132), (674, 33267), (678, 33291), (685, 33345), (689, 33393), (699, 33435), (700, 33459), (701, 33462),

Gene: LittleMinkey_35 Start: 28887, Stop: 31370, Start Num: 44

Candidate Starts for LittleMinkey_35:

(Start: 44 @28887 has 6 MA's), (47, 28896), (85, 29001), (87, 29004), (96, 29034), (111, 29058), (113, 29061), (252, 29478), (Start: 258 @29514 has 23 MA's), (274, 29580), (285, 29610), (314, 29676),

(330, 29718), (362, 29811), (367, 29832), (380, 29886), (416, 30024), (420, 30045), (437, 30129), (460, 30234), (467, 30261), (482, 30315), (515, 30489), (529, 30531), (636, 31017), (686, 31308), (688, 31344), (690, 31353),

Gene: LittleShirley_19 Start: 17218, Stop: 19755, Start Num: 45

Candidate Starts for LittleShirley_19:

(Start: 45 @17218 has 236 MA's), (54, 17239), (Start: 61 @17260 has 1 MA's), (74, 17299), (109, 17368), (118, 17377), (120, 17380), (127, 17398), (154, 17446), (204, 17599), (208, 17608), (228, 17653), (251, 17752), (252, 17755), (265, 17821), (284, 17896), (286, 17902), (288, 17920), (298, 17944), (300, 17950), (301, 17953), (314, 17986), (316, 17992), (327, 18022), (336, 18043), (345, 18073), (348, 18082), (353, 18097), (354, 18100), (381, 18211), (382, 18214), (383, 18223), (384, 18229), (387, 18244), (389, 18247), (397, 18268), (407, 18298), (410, 18310), (417, 18343), (441, 18454), (442, 18457), (448, 18484), (449, 18490), (462, 18544), (463, 18547), (491, 18649), (493, 18661), (494, 18664), (507, 18730), (512, 18754), (515, 18775), (517, 18784), (534, 18844), (535, 18847), (543, 18883), (546, 18901), (551, 18913), (554, 18922), (560, 18949), (578, 19006), (580, 19018), (584, 19036), (586, 19045), (587, 19057), (593, 19093), (600, 19123), (605, 19132), (607, 19144), (620, 19204), (627, 19258), (638, 19318), (644, 19360), (674, 19495), (678, 19519), (685, 19573), (689, 19621), (699, 19663), (700, 19687), (701, 19690),

Gene: Lizziana_18 Start: 17406, Stop: 19931, Start Num: 45

Candidate Starts for Lizziana_18:

(Start: 45 @17406 has 236 MA's), (74, 17487), (109, 17556), (118, 17565), (120, 17568), (127, 17586), (154, 17634), (167, 17679), (207, 17793), (208, 17796), (215, 17808), (224, 17829), (227, 17838), (228, 17841), (241, 17889), (246, 17919), (259, 17985), (267, 18018), (275, 18054), (282, 18078), (300, 18138), (301, 18141), (307, 18159), (333, 18222), (335, 18225), (343, 18243), (348, 18264), (354, 18282), (362, 18309), (367, 18330), (376, 18363), (384, 18411), (385, 18414), (387, 18426), (389, 18429), (398, 18456), (407, 18480), (417, 18525), (444, 18651), (449, 18675), (481, 18783), (491, 18834), (493, 18846), (494, 18849), (504, 18894), (506, 18909), (511, 18936), (515, 18960), (529, 19011), (534, 19029), (535, 19032), (536, 19044), (551, 19098), (561, 19140), (595, 19284), (610, 19338), (611, 19344), (612, 19347), (617, 19383), (619, 19386), (621, 19395), (622, 19422), (665, 19623), (689, 19794), (698, 19833), (703, 19872), (704, 19875),

Gene: Llama_18 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for Llama_18:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584, 19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Llij_18 Start: 17383, Stop: 19920, Start Num: 45

Candidate Starts for Llij_18:

(Start: 45 @17383 has 236 MA's), (83, 17473), (109, 17533), (118, 17542), (120, 17545), (127, 17563), (154, 17611), (168, 17659), (204, 17764), (207, 17770), (208, 17773), (227, 17815), (228, 17818), (252, 17920), (265, 17986), (275, 18031), (284, 18061), (286, 18067), (288, 18085), (298, 18109), (301, 18118), (314, 18151), (316, 18157), (336, 18208), (343, 18226), (345, 18238), (348, 18247),

(353, 18262), (355, 18268), (381, 18376), (383, 18388), (384, 18394), (387, 18409), (389, 18412), (397, 18433), (407, 18463), (410, 18475), (417, 18508), (432, 18574), (441, 18619), (442, 18622), (448, 18649), (449, 18655), (462, 18709), (463, 18712), (474, 18739), (491, 18814), (493, 18826), (494, 18829), (507, 18895), (511, 18916), (512, 18919), (517, 18949), (529, 18991), (534, 19009), (535, 19012), (541, 19042), (546, 19066), (551, 19078), (554, 19087), (580, 19183), (584, 19201), (586, 19210), (587, 19222), (600, 19288), (605, 19297), (607, 19309), (620, 19369), (644, 19525), (674, 19660), (678, 19684), (685, 19738), (694, 19807), (700, 19852), (701, 19855),

Gene: Llorens_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Llorens_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Lockley_31 Start: 24050, Stop: 25903, Start Num: 264

Candidate Starts for Lockley_31:

(Start: 264 @24050 has 216 MA's), (266, 24068), (287, 24131), (313, 24197), (343, 24266), (344, 24269), (360, 24314), (368, 24341), (377, 24377), (385, 24419), (397, 24455), (417, 24527), (491, 24833), (509, 24935), (526, 25007), (546, 25094), (587, 25250), (625, 25436), (640, 25481), (653, 25523), (661, 25565), (696, 25787), (699, 25808), (704, 25844),

Gene: Lopton_32 Start: 25511, Stop: 27364, Start Num: 264

Candidate Starts for Lopton_32:

(Start: 264 @25511 has 216 MA's), (266, 25529), (287, 25592), (313, 25658), (343, 25727), (360, 25775), (368, 25802), (377, 25838), (385, 25880), (397, 25916), (417, 25988), (491, 26294), (509, 26396), (526, 26468), (546, 26555), (587, 26711), (599, 26771), (640, 26942), (653, 26984), (661, 27026), (696, 27248), (699, 27269), (704, 27305),

Gene: Lorde_19 Start: 17219, Stop: 19756, Start Num: 45

Candidate Starts for Lorde_19:

(41, 17207), (Start: 45 @17219 has 236 MA's), (54, 17240), (Start: 61 @17261 has 1 MA's), (74, 17300), (109, 17369), (118, 17378), (120, 17381), (127, 17399), (149, 17432), (154, 17447), (168, 17495), (204, 17600), (208, 17609), (227, 17651), (228, 17654), (246, 17732), (252, 17756), (265, 17822), (275, 17867), (284, 17897), (286, 17903), (288, 17921), (298, 17945), (301, 17954), (314, 17987), (316, 17993), (327, 18023), (343, 18062), (345, 18074), (348, 18083), (353, 18098), (354, 18101), (381, 18212), (383, 18224), (384, 18230), (387, 18245), (389, 18248), (397, 18269), (407, 18299), (410, 18311), (417, 18344), (432, 18410), (441, 18455), (442, 18458), (448, 18485), (449, 18491), (462, 18545), (463, 18548), (474, 18575), (491, 18650), (493, 18662), (494, 18665), (507, 18731), (512, 18755), (517, 18785), (529, 18827), (534, 18845), (535, 18848), (543, 18884), (546, 18902), (554, 18923), (560, 18950), (580, 19019), (584, 19037), (586, 19046), (587, 19058), (593, 19094), (600, 19124), (605, 19133), (607, 19145), (620, 19205), (627, 19259), (638, 19319), (644, 19361), (663, 19439), (674, 19496), (678, 19520), (685, 19574), (689, 19622), (699, 19664), (700, 19688), (701, 19691),

Gene: Lucia_19 Start: 17421, Stop: 19973, Start Num: 45

Candidate Starts for Lucia_19:

(Start: 45 @17421 has 236 MA's), (54, 17442), (Start: 61 @17463 has 1 MA's), (74, 17502), (109, 17571), (118, 17580), (120, 17583), (127, 17601), (149, 17634), (154, 17649), (168, 17697), (207, 17808), (208, 17811), (224, 17844), (227, 17853), (228, 17856), (246, 17934), (259, 18000), (267, 18033), (279, 18087), (284, 18099), (298, 18147), (301, 18156), (304, 18165), (317, 18198), (335,

18240), (342, 18255), (350, 18285), (352, 18291), (353, 18294), (354, 18297), (362, 18324), (367, 18345), (376, 18378), (383, 18420), (384, 18426), (385, 18429), (387, 18441), (389, 18444), (398, 18471), (407, 18495), (410, 18507), (417, 18540), (421, 18561), (438, 18633), (442, 18654), (472, 18765), (479, 18789), (480, 18792), (485, 18816), (491, 18846), (497, 18870), (504, 18906), (505, 18912), (506, 18921), (523, 19011), (529, 19035), (530, 19050), (541, 19092), (543, 19098), (555, 19143), (581, 19239), (584, 19254), (586, 19263), (590, 19287), (605, 19350), (627, 19476), (670, 19692), (678, 19737), (689, 19839), (704, 19917),

Gene: Lucky2013_36 Start: 27869, Stop: 30376, Start Num: 45

Candidate Starts for Lucky2013_36:

(Start: 45 @27869 has 236 MA's), (127, 28064), (149, 28100), (154, 28115), (186, 28202), (190, 28217), (230, 28292), (233, 28304), (241, 28331), (262, 28436), (272, 28475), (275, 28484), (284, 28508), (286, 28514), (288, 28532), (296, 28550), (301, 28565), (304, 28574), (307, 28583), (314, 28598), (323, 28625), (327, 28634), (343, 28673), (345, 28685), (348, 28694), (372, 28778), (389, 28859), (399, 28889), (400, 28892), (410, 28922), (416, 28949), (418, 28958), (428, 29009), (430, 29018), (432, 29021), (440, 29057), (444, 29078), (452, 29114), (492, 29267), (504, 29321), (512, 29366), (514, 29384), (515, 29387), (526, 29426), (559, 29573), (561, 29582), (581, 29651), (584, 29666), (620, 29831), (631, 29918), (641, 29966), (656, 30017), (669, 30095), (702, 30317), (704, 30320), (708, 30347),

Gene: LunaBlu_19 Start: 17477, Stop: 20014, Start Num: 45

Candidate Starts for LunaBlu_19:

(Start: 45 @17477 has 236 MA's), (83, 17567), (109, 17627), (118, 17636), (120, 17639), (127, 17657), (149, 17690), (154, 17705), (168, 17753), (207, 17864), (208, 17867), (222, 17897), (228, 17912), (246, 17990), (265, 18080), (275, 18125), (284, 18155), (286, 18161), (288, 18179), (298, 18203), (301, 18212), (314, 18245), (316, 18251), (327, 18281), (343, 18320), (345, 18332), (348, 18341), (353, 18356), (354, 18359), (381, 18470), (383, 18482), (384, 18488), (387, 18503), (389, 18506), (397, 18527), (407, 18557), (410, 18569), (417, 18602), (432, 18668), (441, 18713), (442, 18716), (448, 18743), (449, 18749), (462, 18803), (463, 18806), (491, 18908), (493, 18920), (494, 18923), (507, 18989), (512, 19013), (517, 19043), (534, 19103), (535, 19106), (543, 19142), (546, 19160), (551, 19172), (554, 19181), (560, 19208), (580, 19277), (584, 19295), (586, 19304), (587, 19316), (593, 19352), (600, 19382), (607, 19403), (614, 19427), (620, 19463), (627, 19517), (638, 19577), (644, 19619), (663, 19697), (674, 19754), (678, 19778), (685, 19832), (689, 19880), (699, 19922), (700, 19946), (701, 19949),

Gene: LunaStella_20 Start: 17940, Stop: 20417, Start Num: 48

Candidate Starts for LunaStella_20:

(Start: 48 @17940 has 3 MA's), (54, 17952), (82, 18015), (93, 18042), (125, 18096), (127, 18105), (131, 18111), (149, 18138), (158, 18171), (186, 18243), (190, 18258), (208, 18294), (213, 18303), (226, 18321), (233, 18345), (240, 18369), (272, 18516), (275, 18525), (284, 18549), (288, 18573), (298, 18597), (300, 18603), (307, 18624), (316, 18645), (327, 18675), (339, 18705), (345, 18726), (372, 18819), (376, 18834), (377, 18843), (379, 18852), (381, 18864), (382, 18867), (407, 18951), (408, 18954), (410, 18963), (416, 18990), (418, 18999), (424, 19038), (430, 19059), (432, 19062), (440, 19098), (444, 19119), (462, 19197), (463, 19200), (482, 19254), (493, 19314), (510, 19401), (512, 19407), (514, 19425), (515, 19428), (526, 19464), (539, 19518), (541, 19527), (559, 19605), (563, 19623), (575, 19659), (576, 19662), (580, 19680), (581, 19683), (584, 19698), (593, 19755), (596, 19767), (614, 19830), (620, 19863), (631, 19950), (641, 19998), (643, 20022), (651, 20049), (656, 20058), (662, 20097), (669, 20136), (674, 20160), (677, 20181), (689, 20277), (694, 20298), (704, 20361), (708, 20388), (712, 20397),

Gene: Lunahalos_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Lunahalos_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: LunarLander_32 Start: 24212, Stop: 26065, Start Num: 264

Candidate Starts for LunarLander_32:

(Start: 264 @24212 has 216 MA's), (287, 24293), (313, 24359), (343, 24428), (360, 24476), (368, 24503), (377, 24539), (385, 24581), (397, 24617), (417, 24689), (491, 24995), (517, 25139), (526, 25169), (546, 25256), (587, 25412), (599, 25472), (625, 25598), (640, 25643), (653, 25685), (661, 25727), (696, 25949), (704, 26006),

Gene: MISSy_25 Start: 21796, Stop: 24192, Start Num: 81

Candidate Starts for MISSy_25:

(Start: 81 @21796 has 128 MA's), (163, 21973), (171, 21994), (238, 22141), (267, 22282), (274, 22315), (284, 22348), (292, 22384), (327, 22477), (348, 22537), (354, 22555), (385, 22687), (399, 22732), (432, 22864), (441, 22909), (456, 22969), (488, 23083), (491, 23104), (500, 23143), (504, 23164), (506, 23179), (541, 23329), (543, 23335), (546, 23353), (561, 23407), (584, 23491), (605, 23584), (656, 23830), (689, 24046), (701, 24130), (708, 24163),

Gene: MOOREtheMARYer_23 Start: 20802, Stop: 23264, Start Num: 39

Candidate Starts for MOOREtheMARYer_23:

(Start: 39 @20802 has 9 MA's), (145, 21030), (159, 21072), (165, 21105), (205, 21210), (252, 21393), (265, 21453), (315, 21576), (330, 21615), (348, 21663), (349, 21666), (376, 21762), (380, 21783), (390, 21837), (415, 21918), (417, 21927), (422, 21954), (446, 22074), (453, 22101), (467, 22161), (482, 22209), (484, 22224), (498, 22290), (506, 22332), (529, 22425), (614, 22770), (620, 22809), (631, 22896), (643, 22968), (672, 23097), (686, 23202), (690, 23247),

Gene: MPhalcon_25 Start: 21790, Stop: 24186, Start Num: 81

Candidate Starts for MPhalcon_25:

(Start: 81 @21790 has 128 MA's), (163, 21967), (171, 21988), (238, 22135), (267, 22276), (274, 22309), (284, 22342), (292, 22378), (327, 22471), (348, 22531), (354, 22549), (385, 22681), (399, 22726), (432, 22858), (441, 22903), (456, 22963), (488, 23077), (491, 23098), (500, 23137), (504, 23158), (506, 23173), (541, 23323), (543, 23329), (546, 23347), (561, 23401), (584, 23485), (605, 23578), (656, 23824), (689, 24040), (701, 24124), (708, 24157),

Gene: MPlant7149_30 Start: 23639, Stop: 25492, Start Num: 264

Candidate Starts for MPlant7149_30:

(Start: 264 @23639 has 216 MA's), (287, 23720), (313, 23786), (343, 23855), (360, 23903), (368, 23930), (385, 24008), (397, 24044), (417, 24116), (491, 24422), (526, 24596), (546, 24683), (587, 24839), (640, 25070), (653, 25112), (661, 25154), (696, 25376), (704, 25433),

Gene: MacKat_27 Start: 20889, Stop: 23321, Start Num: 88

Candidate Starts for MacKat_27:

(Start: 88 @20889 has 96 MA's), (137, 20988), (223, 21249), (230, 21270), (273, 21477), (283, 21510), (289, 21540), (320, 21612), (329, 21636), (345, 21681), (381, 21834), (388, 21879), (391, 21891), (395, 21900), (410, 21951), (446, 22131), (450, 22146), (466, 22215), (469, 22227), (486, 22290), (494, 22332), (504, 22371), (505, 22377), (506, 22386), (510, 22407), (525, 22467), (554, 22584), (563, 22626), (584, 22698), (586, 22707), (591, 22728), (606, 22800), (611, 22821), (627, 22917), (671, 23145), (689, 23292),

Gene: MadKillah_59 Start: 35875, Stop: 38385, Start Num: 66

Candidate Starts for MadKillah_59:

(Start: 66 @35875 has 33 MA's), (73, 35908), (105, 35977), (106, 35980), (119, 36004), (130, 36028), (144, 36052), (155, 36085), (211, 36292), (217, 36304), (218, 36307), (255, 36454), (259, 36484), (265, 36508), (272, 36538), (273, 36541), (281, 36568), (288, 36592), (300, 36622), (320, 36679), (329, 36703), (343, 36739), (345, 36751), (353, 36775), (354, 36778), (366, 36820), (387, 36916), (389, 36919), (453, 37174), (491, 37318), (504, 37378), (514, 37450), (515, 37453), (540, 37549), (584, 37723), (587, 37744), (610, 37837), (613, 37849), (627, 37939), (653, 38014), (662, 38059), (693, 38260), (700, 38314), (704, 38329),

Gene: MadMen_19 Start: 17637, Stop: 20129, Start Num: 45

Candidate Starts for MadMen_19:

(Start: 45 @17637 has 236 MA's), (54, 17658), (Start: 61 @17679 has 1 MA's), (75, 17718), (109, 17787), (118, 17796), (120, 17799), (127, 17817), (149, 17850), (158, 17883), (168, 17916), (186, 17955), (190, 17970), (208, 18006), (213, 18015), (226, 18033), (233, 18057), (240, 18081), (272, 18228), (275, 18237), (284, 18261), (288, 18285), (298, 18309), (300, 18315), (307, 18336), (316, 18357), (327, 18387), (339, 18417), (345, 18438), (372, 18531), (376, 18546), (377, 18555), (381, 18576), (382, 18579), (407, 18663), (408, 18666), (410, 18675), (416, 18702), (418, 18711), (424, 18750), (430, 18771), (432, 18774), (440, 18810), (444, 18831), (462, 18909), (463, 18912), (482, 18966), (493, 19026), (512, 19119), (514, 19137), (515, 19140), (526, 19176), (539, 19230), (541, 19239), (559, 19317), (563, 19335), (575, 19371), (576, 19374), (580, 19392), (581, 19395), (584, 19410), (593, 19467), (596, 19479), (620, 19575), (631, 19662), (641, 19710), (643, 19734), (656, 19770), (662, 19809), (669, 19848), (674, 19872), (677, 19893), (689, 19989), (694, 20010), (704, 20073), (708, 20100), (712, 20109),

Gene: MadamMonkfish_26 Start: 21702, Stop: 24098, Start Num: 81

Candidate Starts for MadamMonkfish_26:

(Start: 81 @21702 has 128 MA's), (163, 21879), (171, 21900), (238, 22047), (274, 22221), (284, 22254), (292, 22290), (327, 22383), (348, 22443), (354, 22461), (385, 22593), (399, 22638), (432, 22770), (441, 22815), (456, 22875), (488, 22989), (491, 23010), (500, 23049), (504, 23070), (506, 23085), (541, 23235), (543, 23241), (546, 23259), (561, 23313), (584, 23397), (605, 23490), (656, 23736), (689, 23952), (701, 24036), (708, 24069),

Gene: Madiba_19 Start: 17273, Stop: 19762, Start Num: 45

Candidate Starts for Madiba_19:

(Start: 45 @17273 has 236 MA's), (54, 17294), (Start: 61 @17315 has 1 MA's), (75, 17354), (109, 17423), (118, 17432), (120, 17435), (127, 17453), (154, 17501), (190, 17603), (208, 17639), (212, 17645), (213, 17648), (226, 17666), (233, 17690), (240, 17714), (254, 17777), (272, 17861), (275, 17870), (284, 17894), (288, 17918), (298, 17942), (300, 17948), (307, 17969), (316, 17990), (327, 18020), (339, 18050), (345, 18071), (372, 18164), (376, 18179), (377, 18188), (381, 18209), (382, 18212), (407, 18296), (408, 18299), (410, 18308), (416, 18335), (418, 18344), (424, 18383), (430, 18404), (432, 18407), (440, 18443), (444, 18464), (462, 18542), (463, 18545), (482, 18599), (493, 18659), (512, 18752), (514, 18770), (515, 18773), (526, 18809), (539, 18863), (541, 18872), (559, 18950), (563, 18968), (575, 19004), (576, 19007), (580, 19025), (581, 19028), (584, 19043), (593, 19100), (596, 19112), (620, 19208), (631, 19295), (641, 19343), (643, 19367), (651, 19394), (656, 19403), (662, 19442), (669, 19481), (674, 19505), (677, 19526), (689, 19622), (694, 19643), (704, 19706), (708, 19733), (712, 19742),

Gene: Magnar_31 Start: 23836, Stop: 25689, Start Num: 264

Candidate Starts for Magnar_31:

(Start: 264 @23836 has 216 MA's), (287, 23917), (313, 23983), (343, 24052), (360, 24100), (368, 24127), (385, 24205), (397, 24241), (417, 24313), (477, 24553), (491, 24619), (526, 24793), (546, 24880), (587, 25036), (640, 25267), (653, 25309), (661, 25351), (696, 25573), (699, 25594), (704,

25630),

Gene: Magnito_30 Start: 23588, Stop: 25441, Start Num: 264

Candidate Starts for Magnito_30:

(Start: 264 @23588 has 216 MA's), (287, 23669), (313, 23735), (343, 23804), (360, 23852), (368, 23879), (385, 23957), (397, 23993), (417, 24065), (491, 24371), (511, 24482), (526, 24545), (546, 24632), (587, 24788), (625, 24974), (640, 25019), (653, 25061), (661, 25103), (696, 25325), (704, 25382),

Gene: Mahavrat_18 Start: 17394, Stop: 19931, Start Num: 45

Candidate Starts for Mahavrat_18:

(Start: 45 @17394 has 236 MA's), (54, 17415), (Start: 61 @17436 has 1 MA's), (74, 17475), (109, 17544), (118, 17553), (120, 17556), (127, 17574), (149, 17607), (154, 17622), (207, 17781), (208, 17784), (228, 17829), (246, 17907), (252, 17931), (265, 17997), (284, 18072), (286, 18078), (298, 18120), (300, 18126), (301, 18129), (314, 18162), (316, 18168), (327, 18198), (336, 18219), (345, 18249), (348, 18258), (377, 18366), (380, 18378), (381, 18387), (382, 18390), (383, 18399), (384, 18405), (387, 18420), (389, 18423), (397, 18444), (410, 18486), (417, 18519), (441, 18630), (442, 18633), (448, 18660), (449, 18666), (462, 18720), (463, 18723), (474, 18750), (477, 18759), (491, 18825), (493, 18837), (494, 18840), (507, 18906), (511, 18927), (512, 18930), (515, 18951), (529, 19002), (534, 19020), (535, 19023), (541, 19053), (546, 19077), (551, 19089), (554, 19098), (580, 19194), (584, 19212), (586, 19221), (587, 19233), (593, 19269), (600, 19299), (607, 19320), (614, 19344), (620, 19380), (638, 19494), (644, 19536), (674, 19671), (678, 19695), (685, 19749), (694, 19818), (700, 19863), (701, 19866), (703, 19872),

Gene: Makemake_31 Start: 25304, Stop: 27157, Start Num: 264

Candidate Starts for Makemake_31:

(Start: 264 @25304 has 216 MA's), (287, 25385), (313, 25451), (343, 25520), (360, 25568), (368, 25595), (377, 25631), (385, 25673), (397, 25709), (417, 25781), (491, 26087), (526, 26261), (546, 26348), (587, 26504), (625, 26690), (640, 26735), (653, 26777), (661, 26819), (696, 27041), (699, 27062), (704, 27098),

Gene: Manatee_32 Start: 23834, Stop: 25687, Start Num: 264

Candidate Starts for Manatee_32:

(Start: 264 @23834 has 216 MA's), (287, 23915), (313, 23981), (343, 24050), (360, 24098), (368, 24125), (385, 24203), (397, 24239), (417, 24311), (491, 24617), (526, 24791), (546, 24878), (587, 25034), (625, 25220), (640, 25265), (653, 25307), (661, 25349), (696, 25571), (704, 25628),

Gene: Manda_27 Start: 22769, Stop: 25165, Start Num: 81

Candidate Starts for Manda_27:

(Start: 81 @22769 has 128 MA's), (163, 22946), (171, 22967), (238, 23114), (267, 23255), (274, 23288), (284, 23321), (292, 23357), (327, 23450), (348, 23510), (354, 23528), (385, 23660), (399, 23705), (432, 23837), (441, 23882), (456, 23942), (488, 24056), (491, 24077), (500, 24116), (504, 24137), (506, 24152), (541, 24302), (543, 24308), (546, 24326), (561, 24380), (584, 24464), (605, 24557), (656, 24803), (689, 25019), (701, 25103), (708, 25136),

Gene: Mandlovu_18 Start: 17495, Stop: 20032, Start Num: 45

Candidate Starts for Mandlovu_18:

(Start: 45 @17495 has 236 MA's), (54, 17516), (Start: 61 @17537 has 1 MA's), (74, 17576), (109, 17645), (118, 17654), (120, 17657), (127, 17675), (154, 17723), (207, 17882), (208, 17885), (227, 17927), (228, 17930), (246, 18008), (251, 18029), (252, 18032), (265, 18098), (284, 18173), (286, 18179), (298, 18221), (300, 18227), (301, 18230), (314, 18263), (316, 18269), (327, 18299), (336, 18320), (345, 18350), (348, 18359), (377, 18467), (380, 18479), (381, 18488), (382, 18491), (383, 18500), (384, 18506), (387, 18521), (389, 18524), (397, 18545), (410, 18587), (417, 18620), (448,

18761), (449, 18767), (462, 18821), (463, 18824), (474, 18851), (491, 18926), (493, 18938), (494, 18941), (507, 19007), (512, 19031), (515, 19052), (517, 19061), (534, 19121), (535, 19124), (543, 19160), (546, 19178), (554, 19199), (560, 19226), (580, 19295), (584, 19313), (586, 19322), (587, 19334), (593, 19370), (600, 19400), (620, 19481), (638, 19595), (644, 19637), (674, 19772), (678, 19796), (685, 19850), (700, 19964), (701, 19967),

Gene: Mantra_18 Start: 17496, Stop: 20033, Start Num: 45

Candidate Starts for Mantra_18:

(Start: 45 @17496 has 236 MA's), (54, 17517), (Start: 61 @17538 has 1 MA's), (74, 17577), (109, 17646), (118, 17655), (120, 17658), (127, 17676), (154, 17724), (204, 17877), (208, 17886), (228, 17931), (251, 18030), (252, 18033), (265, 18099), (284, 18174), (286, 18180), (288, 18198), (298, 18222), (300, 18228), (301, 18231), (314, 18264), (316, 18270), (327, 18300), (336, 18321), (345, 18351), (348, 18360), (353, 18375), (354, 18378), (381, 18489), (382, 18492), (383, 18501), (384, 18507), (387, 18522), (389, 18525), (397, 18546), (407, 18576), (410, 18588), (417, 18621), (441, 18732), (442, 18735), (448, 18762), (449, 18768), (462, 18822), (463, 18825), (489, 18912), (491, 18927), (493, 18939), (494, 18942), (507, 19008), (512, 19032), (515, 19053), (517, 19062), (534, 19122), (535, 19125), (543, 19161), (546, 19179), (551, 19191), (554, 19200), (560, 19227), (578, 19284), (580, 19296), (584, 19314), (586, 19323), (587, 19335), (593, 19371), (600, 19401), (605, 19410), (607, 19422), (620, 19482), (627, 19536), (638, 19596), (644, 19638), (674, 19773), (678, 19797), (685, 19851), (689, 19899), (699, 19941), (700, 19965), (701, 19968),

Gene: Maravista_18 Start: 17343, Stop: 19880, Start Num: 45

Candidate Starts for Maravista_18:

(41, 17331), (Start: 45 @17343 has 236 MA's), (54, 17364), (Start: 61 @17385 has 1 MA's), (74, 17424), (109, 17493), (118, 17502), (120, 17505), (127, 17523), (149, 17556), (154, 17571), (168, 17619), (207, 17730), (208, 17733), (222, 17763), (227, 17775), (228, 17778), (246, 17856), (252, 17880), (265, 17946), (275, 17991), (284, 18021), (286, 18027), (288, 18045), (298, 18069), (301, 18078), (314, 18111), (316, 18117), (327, 18147), (343, 18186), (345, 18198), (348, 18207), (353, 18222), (354, 18225), (381, 18336), (382, 18339), (383, 18348), (384, 18354), (387, 18369), (389, 18372), (397, 18393), (407, 18423), (410, 18435), (417, 18468), (441, 18579), (442, 18582), (448, 18609), (449, 18615), (462, 18669), (463, 18672), (491, 18774), (493, 18786), (494, 18789), (507, 18855), (512, 18879), (515, 18900), (517, 18909), (534, 18969), (535, 18972), (543, 19008), (546, 19026), (551, 19038), (554, 19047), (560, 19074), (580, 19143), (584, 19161), (586, 19170), (587, 19182), (593, 19218), (600, 19248), (607, 19269), (614, 19293), (620, 19329), (627, 19383), (638, 19443), (644, 19485), (674, 19620), (678, 19644), (685, 19698), (689, 19746), (694, 19767), (699, 19788), (700, 19812), (701, 19815),

Gene: Marcell_31 Start: 24324, Stop: 26177, Start Num: 264

Candidate Starts for Marcell_31:

(Start: 264 @24324 has 216 MA's), (287, 24405), (313, 24471), (343, 24540), (360, 24588), (368, 24615), (385, 24693), (397, 24729), (417, 24801), (491, 25107), (526, 25281), (546, 25368), (587, 25524), (640, 25755), (653, 25797), (661, 25839), (696, 26061), (704, 26118),

Gene: Marchy_30 Start: 23629, Stop: 25482, Start Num: 264

Candidate Starts for Marchy_30:

(Start: 264 @23629 has 216 MA's), (287, 23710), (313, 23776), (343, 23845), (360, 23893), (368, 23920), (377, 23956), (385, 23998), (397, 24034), (417, 24106), (491, 24412), (526, 24586), (546, 24673), (584, 24808), (587, 24829), (640, 25060), (653, 25102), (661, 25144), (696, 25366), (704, 25423),

Gene: Marco3_31 Start: 24224, Stop: 26077, Start Num: 264

Candidate Starts for Marco3_31:

(Start: 264 @24224 has 216 MA's), (287, 24305), (313, 24371), (343, 24440), (360, 24488), (368, 24515), (385, 24593), (417, 24701), (491, 25007), (526, 25181), (546, 25268), (587, 25424), (640, 25655), (653, 25697), (661, 25739), (696, 25961), (704, 26018),

Gene: Marge_32 Start: 24724, Stop: 26577, Start Num: 264

Candidate Starts for Marge_32:

(Start: 264 @24724 has 216 MA's), (287, 24805), (313, 24871), (343, 24940), (360, 24988), (368, 25015), (385, 25093), (417, 25201), (491, 25507), (526, 25681), (546, 25768), (587, 25924), (640, 26155), (653, 26197), (661, 26239), (696, 26461), (704, 26518),

Gene: MarkPhew_27 Start: 19997, Stop: 22450, Start Num: 88

Candidate Starts for MarkPhew_27:

(Start: 88 @19997 has 96 MA's), (107, 20045), (160, 20168), (180, 20225), (184, 20237), (221, 20354), (235, 20405), (262, 20534), (270, 20567), (300, 20678), (303, 20687), (304, 20696), (310, 20717), (329, 20765), (361, 20867), (393, 21026), (415, 21107), (436, 21209), (483, 21413), (486, 21422), (494, 21464), (504, 21509), (506, 21524), (548, 21707), (563, 21764), (591, 21866), (593, 21890), (608, 21947), (612, 21962), (632, 22091), (658, 22196), (688, 22415),

Gene: Marker_19 Start: 17246, Stop: 19783, Start Num: 45

Candidate Starts for Marker_19:

(Start: 45 @17246 has 236 MA's), (54, 17267), (Start: 61 @17288 has 1 MA's), (74, 17327), (109, 17396), (118, 17405), (120, 17408), (127, 17426), (154, 17474), (204, 17627), (208, 17636), (228, 17681), (251, 17780), (252, 17783), (265, 17849), (284, 17924), (286, 17930), (288, 17948), (298, 17972), (301, 17981), (314, 18014), (316, 18020), (327, 18050), (336, 18071), (343, 18089), (345, 18101), (348, 18110), (353, 18125), (354, 18128), (381, 18239), (382, 18242), (383, 18251), (384, 18257), (387, 18272), (389, 18275), (397, 18296), (407, 18326), (410, 18338), (417, 18371), (441, 18482), (442, 18485), (448, 18512), (449, 18518), (462, 18572), (463, 18575), (480, 18623), (489, 18662), (491, 18677), (493, 18689), (494, 18692), (499, 18713), (507, 18758), (512, 18782), (517, 18812), (529, 18854), (534, 18872), (535, 18875), (543, 18911), (546, 18929), (551, 18941), (554, 18950), (561, 18983), (580, 19046), (584, 19064), (586, 19073), (587, 19085), (600, 19151), (607, 19172), (614, 19196), (620, 19232), (627, 19286), (638, 19346), (644, 19388), (663, 19466), (674, 19523), (678, 19547), (685, 19601), (689, 19649), (699, 19691), (700, 19715), (701, 19718),

Gene: Marleymoo_43 Start: 32813, Stop: 34741, Start Num: 258

Candidate Starts for Marleymoo_43:

(Start: 258 @32813 has 23 MA's), (318, 33008), (377, 33176), (389, 33233), (410, 33293), (411, 33302), (463, 33530), (477, 33566), (491, 33632), (501, 33677), (511, 33734), (512, 33737), (584, 34022), (599, 34103), (642, 34319), (644, 34346), (653, 34367), (665, 34427), (675, 34481), (684, 34547),

Gene: Maroc7_30 Start: 23828, Stop: 25681, Start Num: 264

Candidate Starts for Maroc7_30:

(Start: 264 @23828 has 216 MA's), (287, 23909), (313, 23975), (328, 24014), (343, 24044), (360, 24092), (368, 24119), (385, 24197), (397, 24233), (417, 24305), (491, 24611), (526, 24785), (546, 24872), (587, 25028), (599, 25088), (625, 25214), (640, 25259), (653, 25301), (661, 25343), (673, 25403), (696, 25565), (699, 25586), (704, 25622),

Gene: Marsha_31 Start: 24903, Stop: 26756, Start Num: 264

Candidate Starts for Marsha_31:

(Start: 264 @24903 has 216 MA's), (287, 24984), (313, 25050), (343, 25119), (360, 25167), (368, 25194), (385, 25272), (397, 25308), (417, 25380), (491, 25686), (526, 25860), (546, 25947), (587, 26103), (640, 26334), (653, 26376), (661, 26418), (696, 26640), (704, 26697),

Gene: Marshawn_28 Start: 20676, Stop: 23132, Start Num: 88

Candidate Starts for Marshawn_28:

(Start: 88 @20676 has 96 MA's), (96, 20703), (137, 20775), (160, 20847), (180, 20904), (184, 20916), (194, 20949), (214, 21015), (221, 21033), (230, 21057), (231, 21060), (235, 21084), (250, 21156), (270, 21246), (277, 21282), (303, 21366), (320, 21420), (329, 21441), (330, 21447), (345, 21486), (361, 21543), (393, 21702), (404, 21741), (415, 21783), (419, 21801), (436, 21885), (441, 21915), (446, 21939), (455, 21972), (458, 21993), (482, 22077), (486, 22098), (494, 22140), (505, 22191), (506, 22200), (512, 22227), (528, 22287), (543, 22353), (546, 22374), (548, 22383), (561, 22431), (574, 22470), (584, 22515), (591, 22545), (598, 22590), (612, 22641), (614, 22647), (632, 22770), (648, 22839), (659, 22881), (687, 23067), (688, 23097),

Gene: Marshmallow_26 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for Marshmallow_26:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (354, 23042), (376, 23123), (432, 23351), (441, 23396), (491, 23591), (492, 23597), (494, 23606), (504, 23651), (506, 23666), (543, 23822), (546, 23840), (549, 23849), (584, 23978), (585, 23981), (626, 24191), (628, 24203), (656, 24317), (689, 24533), (701, 24617), (706, 24641), (708, 24650),

Gene: Martik_18 Start: 17406, Stop: 19958, Start Num: 45

Candidate Starts for Martik_18:

(Start: 45 @17406 has 236 MA's), (74, 17487), (109, 17556), (118, 17565), (120, 17568), (127, 17586), (154, 17634), (167, 17679), (207, 17793), (208, 17796), (215, 17808), (224, 17829), (227, 17838), (228, 17841), (241, 17889), (246, 17919), (259, 17985), (267, 18018), (275, 18054), (282, 18078), (300, 18138), (301, 18141), (307, 18159), (333, 18222), (335, 18225), (343, 18243), (348, 18264), (354, 18282), (362, 18309), (367, 18330), (376, 18363), (383, 18405), (384, 18411), (385, 18414), (389, 18429), (398, 18456), (399, 18459), (407, 18480), (410, 18492), (417, 18525), (438, 18618), (462, 18726), (472, 18750), (474, 18756), (479, 18774), (480, 18777), (485, 18801), (491, 18831), (497, 18855), (504, 18891), (505, 18897), (506, 18906), (511, 18933), (523, 18996), (529, 19020), (530, 19035), (541, 19077), (555, 19128), (581, 19224), (584, 19239), (586, 19248), (590, 19272), (605, 19335), (614, 19371), (670, 19677), (678, 19722), (689, 19824),

Gene: MaryBeth_31 Start: 24256, Stop: 26109, Start Num: 264

Candidate Starts for MaryBeth_31:

(Start: 264 @24256 has 216 MA's), (287, 24337), (297, 24361), (313, 24403), (343, 24472), (360, 24520), (368, 24547), (377, 24583), (385, 24625), (397, 24661), (417, 24733), (491, 25039), (526, 25213), (546, 25300), (587, 25456), (599, 25516), (625, 25642), (640, 25687), (653, 25729), (661, 25771), (696, 25993), (704, 26050),

Gene: MaryV_43 Start: 28332, Stop: 30899, Start Num: 36

Candidate Starts for MaryV_43:

(Start: 36 @28332 has 6 MA's), (55, 28401), (100, 28524), (103, 28530), (104, 28533), (120, 28557), (129, 28578), (191, 28734), (193, 28740), (197, 28746), (216, 28776), (218, 28782), (226, 28803), (232, 28812), (245, 28872), (261, 28950), (286, 29049), (293, 29082), (300, 29097), (301, 29100), (316, 29139), (336, 29190), (343, 29208), (348, 29229), (350, 29235), (359, 29262), (365, 29289), (381, 29358), (386, 29382), (392, 29403), (399, 29424), (403, 29433), (410, 29454), (417, 29487), (418, 29490), (428, 29541), (432, 29553), (445, 29619), (450, 29637), (458, 29676), (491, 29793), (501, 29838), (511, 29895), (515, 29919), (517, 29928), (522, 29946), (534, 29991), (541, 30024), (548, 30060), (592, 30234), (593, 30252), (595, 30258), (611, 30315), (672, 30639), (675, 30657), (683, 30708), (690, 30771), (704, 30846),

Gene: Mattes_18 Start: 17397, Stop: 19922, Start Num: 45

Candidate Starts for Mattes_18:

(Start: 45 @17397 has 236 MA's), (54, 17418), (Start: 61 @17439 has 1 MA's), (74, 17478), (109, 17547), (118, 17556), (120, 17559), (127, 17577), (154, 17625), (168, 17673), (207, 17784), (208, 17787), (224, 17820), (228, 17832), (246, 17910), (259, 17976), (267, 18009), (279, 18063), (284, 18075), (300, 18129), (301, 18132), (304, 18141), (317, 18174), (333, 18213), (335, 18216), (342, 18231), (343, 18234), (350, 18261), (352, 18267), (353, 18270), (354, 18273), (362, 18300), (366, 18318), (367, 18321), (383, 18396), (387, 18417), (389, 18420), (398, 18447), (407, 18471), (417, 18516), (418, 18519), (428, 18570), (442, 18633), (444, 18642), (449, 18666), (480, 18771), (481, 18774), (491, 18825), (492, 18831), (493, 18837), (494, 18840), (504, 18885), (506, 18900), (511, 18927), (515, 18951), (529, 19002), (534, 19020), (535, 19023), (536, 19035), (551, 19089), (584, 19212), (595, 19275), (612, 19338), (622, 19413), (665, 19614), (698, 19824), (703, 19863), (704, 19866),

Gene: Maxxinista_27 Start: 21751, Stop: 24147, Start Num: 81

Candidate Starts for Maxxinista_27:

(Start: 81 @21751 has 128 MA's), (163, 21928), (171, 21949), (238, 22096), (274, 22270), (284, 22303), (292, 22339), (327, 22432), (348, 22492), (354, 22510), (385, 22642), (399, 22687), (432, 22819), (441, 22864), (456, 22924), (488, 23038), (491, 23059), (500, 23098), (504, 23119), (506, 23134), (541, 23284), (543, 23290), (546, 23308), (561, 23362), (584, 23446), (605, 23539), (656, 23785), (689, 24001), (701, 24085), (708, 24118),

Gene: McGuire_32 Start: 24126, Stop: 25979, Start Num: 264

Candidate Starts for McGuire_32:

(Start: 264 @24126 has 216 MA's), (287, 24207), (313, 24273), (343, 24342), (360, 24390), (368, 24417), (377, 24453), (385, 24495), (397, 24531), (417, 24603), (491, 24909), (526, 25083), (546, 25170), (587, 25326), (625, 25512), (640, 25557), (653, 25599), (661, 25641), (696, 25863), (704, 25920),

Gene: McSinger_32 Start: 24518, Stop: 26371, Start Num: 264

Candidate Starts for McSinger_32:

(Start: 264 @24518 has 216 MA's), (287, 24599), (313, 24665), (343, 24734), (360, 24782), (368, 24809), (385, 24887), (397, 24923), (417, 24995), (491, 25301), (526, 25475), (546, 25562), (587, 25718), (640, 25949), (653, 25991), (661, 26033), (696, 26255), (699, 26276), (704, 26312),

Gene: MeaningOfLife_27 Start: 20848, Stop: 23280, Start Num: 88

Candidate Starts for MeaningOfLife_27:

(Start: 88 @20848 has 96 MA's), (137, 20947), (184, 21088), (223, 21208), (230, 21229), (273, 21436), (283, 21469), (289, 21499), (320, 21571), (329, 21595), (381, 21793), (388, 21838), (391, 21850), (395, 21859), (410, 21910), (446, 22090), (450, 22105), (466, 22174), (469, 22186), (486, 22249), (494, 22291), (504, 22330), (505, 22336), (506, 22345), (510, 22366), (525, 22426), (554, 22543), (563, 22585), (584, 22657), (586, 22666), (591, 22687), (606, 22759), (611, 22780), (627, 22876), (638, 22939), (657, 23023), (662, 23065), (671, 23104),

Gene: Medindi_18 Start: 17393, Stop: 19930, Start Num: 45

Candidate Starts for Medindi_18:

(41, 17381), (Start: 45 @17393 has 236 MA's), (54, 17414), (Start: 61 @17435 has 1 MA's), (74, 17474), (109, 17543), (118, 17552), (120, 17555), (127, 17573), (149, 17606), (154, 17621), (168, 17669), (207, 17780), (208, 17783), (222, 17813), (224, 17816), (228, 17828), (246, 17906), (252, 17930), (265, 17996), (275, 18041), (284, 18071), (286, 18077), (288, 18095), (298, 18119), (301, 18128), (314, 18161), (316, 18167), (327, 18197), (345, 18248), (348, 18257), (353, 18272), (354, 18275), (381, 18386), (382, 18389), (383, 18398), (384, 18404), (387, 18419), (389, 18422), (397, 18443), (407, 18473), (410, 18485), (417, 18518), (441, 18629), (442, 18632), (448, 18659), (449, 18665), (462, 18719), (463, 18722), (491, 18824), (493, 18836), (494, 18839), (507, 18905), (511, 18926), (512, 18929), (515, 18950), (517, 18959), (534, 19019), (535, 19022), (543, 19058), (546,

19076), (551, 19088), (554, 19097), (560, 19124), (580, 19193), (584, 19211), (586, 19220), (587, 19232), (593, 19268), (600, 19298), (607, 19319), (614, 19343), (620, 19379), (627, 19433), (638, 19493), (644, 19535), (663, 19613), (674, 19670), (678, 19694), (685, 19748), (689, 19796), (699, 19838), (700, 19862), (701, 19865),

Gene: Megatron06_31 Start: 26215, Stop: 29058, Start Num: 13

Candidate Starts for Megatron06_31:

(Start: 13 @26215 has 8 MA's), (Start: 20 @26347 has 1 MA's), (21, 26359), (22, 26368), (33, 26437), (35, 26443), (51, 26503), (57, 26524), (71, 26572), (89, 26614), (98, 26638), (115, 26671), (134, 26707), (142, 26719), (177, 26812), (197, 26869), (220, 26908), (254, 27034), (267, 27103), (273, 27133), (286, 27175), (301, 27226), (336, 27316), (343, 27334), (365, 27415), (376, 27454), (380, 27475), (417, 27613), (423, 27652), (440, 27715), (463, 27817), (514, 28042), (603, 28405), (610, 28432), (658, 28675), (661, 28708), (666, 28732), (684, 28852), (695, 28930), (711, 29017), (714, 29032), (715, 29038),

Gene: Megsy_27 Start: 20849, Stop: 23281, Start Num: 88

Candidate Starts for Megsy_27:

(Start: 88 @20849 has 96 MA's), (137, 20948), (223, 21209), (273, 21437), (283, 21470), (289, 21500), (320, 21572), (329, 21596), (381, 21794), (388, 21839), (391, 21851), (395, 21860), (410, 21911), (446, 22091), (450, 22106), (466, 22175), (469, 22187), (486, 22250), (494, 22292), (504, 22331), (505, 22337), (506, 22346), (510, 22367), (525, 22427), (554, 22544), (563, 22586), (584, 22658), (586, 22667), (591, 22688), (606, 22760), (611, 22781), (627, 22877), (671, 23105), (689, 23252),

Gene: Melissauren88_18 Start: 17470, Stop: 19965, Start Num: 61

Candidate Starts for Melissauren88_18:

(41, 17416), (Start: 45 @17428 has 236 MA's), (54, 17449), (Start: 61 @17470 has 1 MA's), (74, 17509), (109, 17578), (118, 17587), (120, 17590), (127, 17608), (149, 17641), (154, 17656), (168, 17704), (207, 17815), (208, 17818), (222, 17848), (227, 17860), (228, 17863), (246, 17941), (252, 17965), (265, 18031), (275, 18076), (284, 18106), (286, 18112), (288, 18130), (298, 18154), (301, 18163), (314, 18196), (316, 18202), (327, 18232), (343, 18271), (345, 18283), (348, 18292), (353, 18307), (354, 18310), (381, 18421), (382, 18424), (383, 18433), (384, 18439), (387, 18454), (389, 18457), (397, 18478), (407, 18508), (410, 18520), (417, 18553), (441, 18664), (442, 18667), (448, 18694), (449, 18700), (462, 18754), (463, 18757), (489, 18844), (491, 18859), (493, 18871), (494, 18874), (507, 18940), (512, 18964), (515, 18985), (517, 18994), (534, 19054), (535, 19057), (543, 19093), (546, 19111), (551, 19123), (554, 19132), (560, 19159), (580, 19228), (584, 19246), (586, 19255), (587, 19267), (593, 19303), (600, 19333), (607, 19354), (614, 19378), (620, 19414), (627, 19468), (638, 19528), (644, 19570), (663, 19648), (674, 19705), (678, 19729), (685, 19783), (689, 19831), (699, 19873), (700, 19897), (701, 19900),

Gene: Mercurio_24 Start: 21194, Stop: 23665, Start Num: 39

Candidate Starts for Mercurio_24:

(Start: 39 @21194 has 9 MA's), (64, 21260), (76, 21302), (141, 21410), (184, 21533), (205, 21596), (229, 21674), (283, 21905), (302, 21938), (309, 21950), (349, 22052), (362, 22094), (372, 22133), (376, 22148), (385, 22199), (396, 22235), (415, 22301), (420, 22328), (461, 22526), (480, 22601), (484, 22622), (506, 22730), (513, 22775), (529, 22826), (534, 22850), (542, 22886), (546, 22910), (553, 22931), (591, 23069), (612, 23165), (633, 23303),

Gene: MetalQZJ_31 Start: 24256, Stop: 26109, Start Num: 264

Candidate Starts for MetalQZJ_31:

(Start: 264 @24256 has 216 MA's), (287, 24337), (297, 24361), (313, 24403), (343, 24472), (360, 24520), (368, 24547), (377, 24583), (385, 24625), (397, 24661), (417, 24733), (491, 25039), (526, 25213), (546, 25300), (587, 25456), (599, 25516), (625, 25642), (640, 25687), (653, 25729), (661, 25771), (696, 25993), (704, 26050),

Gene: MiaZeal_36 Start: 27554, Stop: 30061, Start Num: 45

Candidate Starts for MiaZeal_36:

(Start: 45 @27554 has 236 MA's), (127, 27749), (149, 27785), (154, 27800), (186, 27887), (190, 27902), (230, 27977), (233, 27989), (241, 28016), (262, 28121), (272, 28160), (275, 28169), (284, 28193), (286, 28199), (288, 28217), (301, 28250), (304, 28259), (307, 28268), (314, 28283), (323, 28310), (327, 28319), (343, 28358), (345, 28370), (348, 28379), (372, 28463), (389, 28544), (399, 28574), (400, 28577), (410, 28607), (416, 28634), (418, 28643), (428, 28694), (430, 28703), (432, 28706), (440, 28742), (444, 28763), (452, 28799), (492, 28952), (504, 29006), (512, 29051), (514, 29069), (515, 29072), (526, 29111), (559, 29258), (561, 29267), (581, 29336), (584, 29351), (620, 29516), (631, 29603), (641, 29651), (656, 29702), (669, 29780), (702, 30002), (704, 30005), (708, 30032),

Gene: Michley_31 Start: 23953, Stop: 25806, Start Num: 264

Candidate Starts for Michley_31:

(Start: 264 @23953 has 216 MA's), (287, 24034), (313, 24100), (326, 24136), (343, 24169), (360, 24217), (368, 24244), (385, 24322), (397, 24358), (410, 24397), (417, 24430), (426, 24481), (491, 24736), (526, 24910), (546, 24997), (587, 25153), (625, 25339), (640, 25384), (653, 25426), (661, 25468), (696, 25690), (704, 25747),

Gene: MilleFeuille_28 Start: 23941, Stop: 25794, Start Num: 264

Candidate Starts for MilleFeuille_28:

(Start: 264 @23941 has 216 MA's), (287, 24022), (313, 24088), (343, 24157), (360, 24205), (368, 24232), (385, 24310), (397, 24346), (417, 24418), (491, 24724), (526, 24898), (546, 24985), (584, 25120), (587, 25141), (625, 25327), (640, 25372), (653, 25414), (661, 25456), (696, 25678), (700, 25723), (704, 25735),

Gene: MilleniumForce_19 Start: 18211, Stop: 20748, Start Num: 45

Candidate Starts for MilleniumForce_19:

(41, 18199), (Start: 45 @18211 has 236 MA's), (54, 18232), (Start: 61 @18253 has 1 MA's), (74, 18292), (109, 18361), (118, 18370), (120, 18373), (127, 18391), (149, 18424), (154, 18439), (168, 18487), (207, 18598), (208, 18601), (222, 18631), (227, 18643), (228, 18646), (246, 18724), (252, 18748), (265, 18814), (275, 18859), (284, 18889), (286, 18895), (288, 18913), (298, 18937), (301, 18946), (314, 18979), (316, 18985), (327, 19015), (343, 19054), (345, 19066), (348, 19075), (353, 19090), (354, 19093), (381, 19204), (382, 19207), (383, 19216), (384, 19222), (387, 19237), (389, 19240), (397, 19261), (407, 19291), (410, 19303), (417, 19336), (441, 19447), (442, 19450), (448, 19477), (449, 19483), (462, 19537), (463, 19540), (491, 19642), (493, 19654), (494, 19657), (507, 19723), (512, 19747), (515, 19768), (517, 19777), (534, 19837), (535, 19840), (543, 19876), (546, 19894), (551, 19906), (554, 19915), (560, 19942), (580, 20011), (584, 20029), (586, 20038), (587, 20050), (593, 20086), (600, 20116), (607, 20137), (614, 20161), (620, 20197), (627, 20251), (638, 20311), (644, 20353), (663, 20431), (674, 20488), (678, 20512), (685, 20566), (689, 20614), (699, 20656), (700, 20680), (701, 20683),

Gene: Mindy_26 Start: 22062, Stop: 24458, Start Num: 81

Candidate Starts for Mindy_26:

(Start: 81 @22062 has 128 MA's), (163, 22239), (171, 22260), (238, 22407), (267, 22548), (274, 22581), (284, 22614), (292, 22650), (327, 22743), (348, 22803), (354, 22821), (392, 22977), (399, 22998), (428, 23118), (432, 23130), (441, 23175), (491, 23370), (494, 23385), (504, 23430), (506, 23445), (543, 23601), (546, 23619), (549, 23628), (584, 23757), (585, 23760), (626, 23970), (628, 23982), (656, 24096), (689, 24312), (701, 24396), (706, 24420), (708, 24429),

Gene: Minerva_39 Start: 31221, Stop: 33764, Start Num: 45

Candidate Starts for Minerva_39:

(30, 31164), (Start: 45 @31221 has 236 MA's), (126, 31410), (154, 31467), (167, 31512), (207, 31626), (208, 31629), (219, 31650), (224, 31662), (228, 31674), (246, 31752), (259, 31818), (267, 31851), (275, 31887), (282, 31911), (300, 31971), (301, 31974), (307, 31992), (333, 32055), (335, 32058), (343, 32076), (348, 32097), (354, 32115), (362, 32142), (367, 32163), (376, 32196), (384, 32244), (385, 32247), (389, 32262), (398, 32289), (407, 32313), (417, 32358), (444, 32484), (462, 32562), (481, 32616), (491, 32667), (492, 32673), (493, 32679), (494, 32682), (504, 32727), (506, 32742), (511, 32769), (515, 32793), (529, 32844), (534, 32862), (535, 32865), (536, 32877), (551, 32931), (561, 32973), (595, 33117), (610, 33171), (611, 33177), (612, 33180), (617, 33216), (619, 33219), (621, 33228), (622, 33255), (665, 33456), (689, 33627), (698, 33666), (704, 33708),

Gene: MinionDave_19 Start: 18080, Stop: 20617, Start Num: 45

Candidate Starts for MinionDave_19:

(Start: 45 @18080 has 236 MA's), (83, 18170), (109, 18230), (118, 18239), (120, 18242), (127, 18260), (149, 18293), (154, 18308), (168, 18356), (207, 18467), (208, 18470), (222, 18500), (227, 18512), (228, 18515), (246, 18593), (252, 18617), (265, 18683), (275, 18728), (284, 18758), (286, 18764), (288, 18782), (298, 18806), (301, 18815), (314, 18848), (316, 18854), (327, 18884), (343, 18923), (345, 18935), (348, 18944), (353, 18959), (354, 18962), (381, 19073), (382, 19076), (383, 19085), (384, 19091), (387, 19106), (389, 19109), (397, 19130), (407, 19160), (410, 19172), (417, 19205), (441, 19316), (442, 19319), (448, 19346), (449, 19352), (462, 19406), (463, 19409), (489, 19496), (491, 19511), (493, 19523), (494, 19526), (507, 19592), (512, 19616), (515, 19637), (517, 19646), (534, 19706), (535, 19709), (543, 19745), (546, 19763), (551, 19775), (554, 19784), (560, 19811), (580, 19880), (584, 19898), (586, 19907), (587, 19919), (593, 19955), (600, 19985), (607, 20006), (614, 20030), (620, 20066), (627, 20120), (638, 20180), (644, 20222), (663, 20300), (674, 20357), (678, 20381), (685, 20435), (689, 20483), (699, 20525), (700, 20549), (701, 20552),

Gene: Miniwave_26 Start: 22481, Stop: 24877, Start Num: 81

Candidate Starts for Miniwave_26:

(Start: 81 @22481 has 128 MA's), (163, 22658), (171, 22679), (238, 22826), (267, 22967), (274, 23000), (284, 23033), (292, 23069), (327, 23162), (348, 23222), (354, 23240), (385, 23372), (399, 23417), (432, 23549), (441, 23594), (456, 23654), (488, 23768), (491, 23789), (500, 23828), (504, 23849), (506, 23864), (541, 24014), (543, 24020), (546, 24038), (561, 24092), (584, 24176), (605, 24269), (656, 24515), (689, 24731), (701, 24815), (708, 24848),

Gene: Minnie_19 Start: 17940, Stop: 20477, Start Num: 45

Candidate Starts for Minnie_19:

(41, 17928), (Start: 45 @17940 has 236 MA's), (54, 17961), (Start: 61 @17982 has 1 MA's), (74, 18021), (109, 18090), (118, 18099), (120, 18102), (127, 18120), (149, 18153), (154, 18168), (168, 18216), (207, 18327), (208, 18330), (222, 18360), (227, 18372), (228, 18375), (246, 18453), (252, 18477), (265, 18543), (275, 18588), (284, 18618), (286, 18624), (288, 18642), (298, 18666), (301, 18675), (314, 18708), (316, 18714), (327, 18744), (343, 18783), (345, 18795), (348, 18804), (353, 18819), (354, 18822), (381, 18933), (382, 18936), (383, 18945), (384, 18951), (387, 18966), (389, 18969), (397, 18990), (407, 19020), (410, 19032), (417, 19065), (441, 19176), (442, 19179), (448, 19206), (449, 19212), (462, 19266), (463, 19269), (491, 19371), (493, 19383), (494, 19386), (507, 19452), (512, 19476), (515, 19497), (517, 19506), (534, 19566), (535, 19569), (543, 19605), (546, 19623), (551, 19635), (554, 19644), (560, 19671), (580, 19740), (584, 19758), (586, 19767), (587, 19779), (593, 19815), (600, 19845), (607, 19866), (614, 19890), (620, 19926), (627, 19980), (638, 20040), (644, 20082), (663, 20160), (674, 20217), (678, 20241), (685, 20295), (689, 20343), (699, 20385), (700, 20409), (701, 20412),

Gene: Misfit_26 Start: 22371, Stop: 24767, Start Num: 81

Candidate Starts for Misfit_26:

(Start: 81 @22371 has 128 MA's), (163, 22548), (171, 22569), (238, 22716), (267, 22857), (274, 22890), (284, 22923), (292, 22959), (327, 23052), (348, 23112), (354, 23130), (385, 23262), (399,

23307), (432, 23439), (441, 23484), (456, 23544), (488, 23658), (491, 23679), (500, 23718), (504, 23739), (506, 23754), (541, 23904), (543, 23910), (546, 23928), (561, 23982), (584, 24066), (605, 24159), (656, 24405), (689, 24621), (701, 24705), (708, 24738),

Gene: Misha28_19 Start: 17273, Stop: 19798, Start Num: 45

Candidate Starts for Misha28_19:

(Start: 45 @17273 has 236 MA's), (54, 17294), (Start: 61 @17315 has 1 MA's), (74, 17354), (109, 17423), (118, 17432), (120, 17435), (127, 17453), (149, 17486), (154, 17501), (168, 17549), (207, 17660), (208, 17663), (228, 17708), (246, 17786), (252, 17810), (265, 17876), (275, 17921), (284, 17951), (286, 17957), (288, 17975), (298, 17999), (301, 18008), (314, 18041), (316, 18047), (327, 18077), (343, 18116), (345, 18128), (348, 18137), (353, 18152), (354, 18155), (389, 18302), (407, 18353), (431, 18464), (442, 18515), (447, 18539), (474, 18632), (485, 18677), (488, 18686), (491, 18707), (493, 18719), (494, 18722), (504, 18767), (512, 18812), (514, 18830), (515, 18833), (529, 18884), (541, 18935), (543, 18941), (546, 18959), (551, 18971), (554, 18980), (561, 19013), (584, 19094), (596, 19163), (605, 19190), (611, 19217), (621, 19268), (627, 19316), (677, 19559), (689, 19664), (694, 19685), (703, 19739), (707, 19763),

Gene: MisterCuddles_18 Start: 17371, Stop: 19908, Start Num: 45

Candidate Starts for MisterCuddles_18:

(Start: 45 @17371 has 236 MA's), (54, 17392), (Start: 61 @17413 has 1 MA's), (74, 17452), (109, 17521), (118, 17530), (120, 17533), (127, 17551), (149, 17584), (154, 17599), (204, 17752), (208, 17761), (228, 17806), (251, 17905), (252, 17908), (265, 17974), (284, 18049), (286, 18055), (298, 18097), (300, 18103), (301, 18106), (314, 18139), (316, 18145), (327, 18175), (336, 18196), (345, 18226), (348, 18235), (353, 18250), (354, 18253), (381, 18364), (382, 18367), (383, 18376), (384, 18382), (387, 18397), (389, 18400), (397, 18421), (407, 18451), (410, 18463), (417, 18496), (441, 18607), (442, 18610), (448, 18637), (449, 18643), (462, 18697), (463, 18700), (489, 18787), (491, 18802), (493, 18814), (494, 18817), (507, 18883), (512, 18907), (515, 18928), (517, 18937), (529, 18979), (534, 18997), (535, 19000), (541, 19030), (546, 19054), (551, 19066), (554, 19075), (580, 19171), (584, 19189), (586, 19198), (587, 19210), (593, 19246), (600, 19276), (605, 19285), (607, 19297), (620, 19357), (627, 19411), (638, 19471), (644, 19513), (674, 19648), (678, 19672), (685, 19726), (689, 19774), (699, 19816), (700, 19840), (701, 19843),

Gene: Mkhuseli_32 Start: 24151, Stop: 26004, Start Num: 264

Candidate Starts for Mkhuseli_32:

(Start: 264 @24151 has 216 MA's), (287, 24232), (313, 24298), (343, 24367), (360, 24415), (368, 24442), (385, 24520), (397, 24556), (417, 24628), (491, 24934), (526, 25108), (546, 25195), (587, 25351), (625, 25537), (640, 25582), (653, 25624), (661, 25666), (696, 25888), (704, 25945),

Gene: Modragons_18 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for Modragons_18:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584, 19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Moldemort_27 Start: 22026, Stop: 24422, Start Num: 81

Candidate Starts for Moldemort_27:

(Start: 81 @22026 has 128 MA's), (163, 22203), (171, 22224), (238, 22371), (274, 22545), (284, 22578), (292, 22614), (327, 22707), (348, 22767), (354, 22785), (385, 22917), (399, 22962), (432, 23094), (441, 23139), (456, 23199), (488, 23313), (491, 23334), (500, 23373), (504, 23394), (506, 23409), (541, 23559), (543, 23565), (546, 23583), (561, 23637), (584, 23721), (605, 23814), (656, 24060), (689, 24276), (701, 24360), (708, 24393),

Gene: Molly_32 Start: 23924, Stop: 25777, Start Num: 264

Candidate Starts for Molly_32:

(Start: 264 @23924 has 216 MA's), (287, 24005), (313, 24071), (343, 24140), (360, 24188), (368, 24215), (385, 24293), (397, 24329), (417, 24401), (491, 24707), (509, 24809), (526, 24881), (546, 24968), (587, 25124), (640, 25355), (653, 25397), (661, 25439), (696, 25661), (704, 25718),

Gene: MollyToe_26 Start: 22455, Stop: 24851, Start Num: 81

Candidate Starts for MollyToe_26:

(Start: 81 @22455 has 128 MA's), (163, 22632), (171, 22653), (238, 22800), (267, 22941), (274, 22974), (284, 23007), (292, 23043), (327, 23136), (348, 23196), (354, 23214), (385, 23346), (399, 23391), (432, 23523), (441, 23568), (488, 23742), (491, 23763), (500, 23802), (504, 23823), (506, 23838), (543, 23994), (546, 24012), (561, 24066), (584, 24150), (605, 24243), (656, 24489), (689, 24705), (701, 24789), (708, 24822),

Gene: Monet_33 Start: 25352, Stop: 27205, Start Num: 264

Candidate Starts for Monet_33:

(Start: 264 @25352 has 216 MA's), (287, 25433), (313, 25499), (343, 25568), (360, 25616), (368, 25643), (385, 25721), (397, 25757), (410, 25796), (417, 25829), (426, 25880), (491, 26135), (526, 26309), (546, 26396), (587, 26552), (625, 26738), (640, 26783), (653, 26825), (661, 26867), (696, 27089), (704, 27146),

Gene: MooMoo_18 Start: 17135, Stop: 19570, Start Num: 45

Candidate Starts for MooMoo_18:

(Start: 45 @17135 has 236 MA's), (50, 17147), (58, 17168), (70, 17213), (78, 17231), (84, 17243), (123, 17318), (163, 17414), (173, 17441), (182, 17450), (187, 17468), (188, 17471), (191, 17480), (233, 17555), (236, 17564), (239, 17573), (263, 17651), (284, 17717), (286, 17723), (296, 17759), (297, 17762), (298, 17765), (300, 17771), (304, 17783), (307, 17792), (314, 17807), (332, 17858), (342, 17879), (343, 17882), (348, 17903), (356, 17927), (369, 17972), (381, 18032), (382, 18035), (386, 18056), (392, 18077), (403, 18110), (407, 18119), (417, 18164), (418, 18167), (419, 18173), (424, 18206), (428, 18218), (430, 18227), (432, 18230), (456, 18335), (463, 18368), (493, 18482), (505, 18536), (510, 18569), (511, 18572), (512, 18575), (514, 18593), (526, 18632), (541, 18695), (559, 18773), (563, 18791), (580, 18848), (581, 18851), (585, 18869), (595, 18929), (598, 18944), (614, 18998), (627, 19085), (643, 19190), (658, 19217), (669, 19289), (674, 19313), (689, 19430), (694, 19451), (702, 19511), (704, 19514), (708, 19541), (712, 19550),

Gene: Moonbeam_19 Start: 17889, Stop: 20426, Start Num: 45

Candidate Starts for Moonbeam_19:

(41, 17877), (Start: 45 @17889 has 236 MA's), (54, 17910), (Start: 61 @17931 has 1 MA's), (74, 17970), (109, 18039), (118, 18048), (120, 18051), (127, 18069), (149, 18102), (154, 18117), (168, 18165), (207, 18276), (208, 18279), (222, 18309), (227, 18321), (228, 18324), (246, 18402), (252, 18426), (265, 18492), (275, 18537), (284, 18567), (286, 18573), (288, 18591), (298, 18615), (301, 18624), (314, 18657), (316, 18663), (327, 18693), (343, 18732), (345, 18744), (348, 18753), (353, 18768), (354, 18771), (381, 18882), (382, 18885), (383, 18894), (384, 18900), (387, 18915), (389, 18918), (397, 18939), (407, 18969), (410, 18981), (417, 19014), (441, 19125), (442, 19128), (448, 19155), (449, 19161), (462, 19215), (463, 19218), (489, 19305), (491, 19320), (493, 19332), (494,

19335), (507, 19401), (512, 19425), (515, 19446), (517, 19455), (529, 19497), (534, 19515), (535, 19518), (543, 19554), (546, 19572), (551, 19584), (554, 19593), (560, 19620), (580, 19689), (584, 19707), (586, 19716), (587, 19728), (593, 19764), (600, 19794), (607, 19815), (614, 19839), (620, 19875), (627, 19929), (638, 19989), (644, 20031), (663, 20109), (674, 20166), (678, 20190), (685, 20244), (689, 20292), (699, 20334), (700, 20358), (701, 20361),

Gene: Moose_31 Start: 24328, Stop: 26181, Start Num: 264

Candidate Starts for Moose_31:

(Start: 264 @24328 has 216 MA's), (287, 24409), (313, 24475), (343, 24544), (344, 24547), (360, 24592), (368, 24619), (377, 24655), (385, 24697), (397, 24733), (417, 24805), (491, 25111), (526, 25285), (546, 25372), (576, 25471), (587, 25528), (640, 25759), (653, 25801), (661, 25843), (696, 26065), (699, 26086), (704, 26122),

Gene: Mori_58 Start: 36137, Stop: 38647, Start Num: 66

Candidate Starts for Mori_58:

(Start: 66 @36137 has 33 MA's), (73, 36170), (105, 36239), (106, 36242), (119, 36266), (130, 36290), (144, 36314), (155, 36347), (211, 36554), (217, 36566), (218, 36569), (255, 36716), (259, 36746), (265, 36770), (272, 36800), (273, 36803), (281, 36830), (288, 36854), (300, 36884), (320, 36941), (329, 36965), (343, 37001), (345, 37013), (353, 37037), (354, 37040), (366, 37082), (387, 37178), (389, 37181), (453, 37436), (491, 37580), (504, 37640), (514, 37712), (515, 37715), (540, 37811), (584, 37985), (587, 38006), (610, 38099), (613, 38111), (627, 38201), (653, 38276), (662, 38321), (693, 38522), (700, 38576), (704, 38591),

Gene: Mosby_25 Start: 21791, Stop: 24187, Start Num: 81

Candidate Starts for Mosby_25:

(Start: 81 @21791 has 128 MA's), (163, 21968), (171, 21989), (238, 22136), (267, 22277), (274, 22310), (284, 22343), (292, 22379), (327, 22472), (348, 22532), (354, 22550), (385, 22682), (399, 22727), (432, 22859), (441, 22904), (488, 23078), (491, 23099), (500, 23138), (504, 23159), (506, 23174), (543, 23330), (546, 23348), (561, 23402), (584, 23486), (605, 23579), (656, 23825), (689, 24041), (701, 24125), (708, 24158),

Gene: Mova_19 Start: 17248, Stop: 19785, Start Num: 45

Candidate Starts for Mova_19:

(Start: 45 @17248 has 236 MA's), (54, 17269), (Start: 61 @17290 has 1 MA's), (74, 17329), (109, 17398), (118, 17407), (120, 17410), (127, 17428), (149, 17461), (154, 17476), (207, 17635), (208, 17638), (228, 17683), (246, 17761), (252, 17785), (265, 17851), (284, 17926), (286, 17932), (288, 17950), (298, 17974), (301, 17983), (314, 18016), (316, 18022), (327, 18052), (336, 18073), (343, 18091), (348, 18112), (353, 18127), (354, 18130), (377, 18220), (381, 18241), (382, 18244), (383, 18253), (384, 18259), (387, 18274), (389, 18277), (397, 18298), (410, 18340), (417, 18373), (432, 18439), (441, 18484), (442, 18487), (448, 18514), (449, 18520), (462, 18574), (463, 18577), (474, 18604), (489, 18664), (491, 18679), (493, 18691), (494, 18694), (507, 18760), (512, 18784), (517, 18814), (529, 18856), (534, 18874), (535, 18877), (543, 18913), (546, 18931), (551, 18943), (554, 18952), (560, 18979), (580, 19048), (584, 19066), (586, 19075), (587, 19087), (593, 19123), (600, 19153), (607, 19174), (614, 19198), (620, 19234), (627, 19288), (644, 19390), (674, 19525), (678, 19549), (685, 19603), (689, 19651), (699, 19693), (700, 19717), (701, 19720),

Gene: Mozy_19 Start: 17298, Stop: 19835, Start Num: 45

Candidate Starts for Mozy_19:

(Start: 45 @17298 has 236 MA's), (54, 17319), (Start: 61 @17340 has 1 MA's), (74, 17379), (109, 17448), (118, 17457), (120, 17460), (127, 17478), (149, 17511), (154, 17526), (207, 17685), (208, 17688), (222, 17718), (228, 17733), (246, 17811), (251, 17832), (252, 17835), (265, 17901), (284, 17976), (286, 17982), (298, 18024), (300, 18030), (301, 18033), (314, 18066), (316, 18072), (327, 18102), (336, 18123), (345, 18153), (348, 18162), (381, 18291), (382, 18294), (383, 18303), (384,

18309), (387, 18324), (389, 18327), (397, 18348), (407, 18378), (410, 18390), (417, 18423), (418, 18426), (432, 18489), (448, 18564), (449, 18570), (462, 18624), (463, 18627), (474, 18654), (491, 18729), (493, 18741), (494, 18744), (507, 18810), (512, 18834), (517, 18864), (534, 18924), (535, 18927), (543, 18963), (546, 18981), (554, 19002), (580, 19098), (584, 19116), (586, 19125), (587, 19137), (593, 19173), (607, 19224), (620, 19284), (627, 19338), (644, 19440), (663, 19518), (674, 19575), (678, 19599), (685, 19653), (689, 19701), (699, 19743), (700, 19767), (701, 19770),

Gene: MrGordo_31 Start: 23816, Stop: 25669, Start Num: 264

Candidate Starts for MrGordo_31:

(Start: 264 @23816 has 216 MA's), (287, 23897), (313, 23963), (343, 24032), (360, 24080), (368, 24107), (385, 24185), (417, 24293), (491, 24599), (526, 24773), (546, 24860), (587, 25016), (625, 25202), (640, 25247), (653, 25289), (661, 25331), (696, 25553), (704, 25610),

Gene: Mryolo_30 Start: 23853, Stop: 25706, Start Num: 264

Candidate Starts for Mryolo_30:

(Start: 264 @23853 has 216 MA's), (287, 23934), (313, 24000), (343, 24069), (360, 24117), (368, 24144), (377, 24180), (385, 24222), (397, 24258), (417, 24330), (491, 24636), (526, 24810), (546, 24897), (587, 25053), (625, 25239), (640, 25284), (653, 25326), (661, 25368), (696, 25590), (704, 25647),

Gene: MulchExplorer_20 Start: 18519, Stop: 21056, Start Num: 45

Candidate Starts for MulchExplorer_20:

(41, 18507), (Start: 45 @18519 has 236 MA's), (54, 18540), (Start: 61 @18561 has 1 MA's), (74, 18600), (109, 18669), (118, 18678), (120, 18681), (127, 18699), (149, 18732), (154, 18747), (168, 18795), (207, 18906), (208, 18909), (222, 18939), (227, 18951), (228, 18954), (246, 19032), (252, 19056), (265, 19122), (275, 19167), (284, 19197), (286, 19203), (288, 19221), (298, 19245), (301, 19254), (314, 19287), (316, 19293), (327, 19323), (343, 19362), (345, 19374), (348, 19383), (353, 19398), (354, 19401), (381, 19512), (382, 19515), (383, 19524), (384, 19530), (387, 19545), (389, 19548), (397, 19569), (407, 19599), (410, 19611), (417, 19644), (441, 19755), (442, 19758), (448, 19785), (449, 19791), (462, 19845), (463, 19848), (489, 19935), (491, 19950), (493, 19962), (494, 19965), (507, 20031), (512, 20055), (515, 20076), (517, 20085), (529, 20127), (534, 20145), (535, 20148), (543, 20184), (546, 20202), (551, 20214), (554, 20223), (560, 20250), (580, 20319), (584, 20337), (586, 20346), (587, 20358), (593, 20394), (600, 20424), (607, 20445), (614, 20469), (620, 20505), (627, 20559), (638, 20619), (644, 20661), (663, 20739), (674, 20796), (678, 20820), (685, 20874), (689, 20922), (699, 20964), (700, 20988), (701, 20991),

Gene: Mule_31 Start: 24162, Stop: 26015, Start Num: 264

Candidate Starts for Mule_31:

(Start: 264 @24162 has 216 MA's), (287, 24243), (313, 24309), (343, 24378), (360, 24426), (368, 24453), (385, 24531), (397, 24567), (417, 24639), (491, 24945), (526, 25119), (546, 25206), (587, 25362), (640, 25593), (653, 25635), (661, 25677), (696, 25899), (699, 25920), (704, 25956),

Gene: Murai_59 Start: 36318, Stop: 38828, Start Num: 66

Candidate Starts for Murai_59:

(Start: 66 @36318 has 33 MA's), (73, 36351), (105, 36420), (106, 36423), (119, 36447), (130, 36471), (144, 36495), (155, 36528), (211, 36735), (217, 36747), (218, 36750), (255, 36897), (259, 36927), (265, 36951), (272, 36981), (273, 36984), (281, 37011), (288, 37035), (300, 37065), (320, 37122), (343, 37182), (345, 37194), (353, 37218), (354, 37221), (366, 37263), (387, 37359), (389, 37362), (453, 37617), (491, 37761), (504, 37821), (514, 37893), (515, 37896), (540, 37992), (584, 38166), (587, 38187), (610, 38280), (613, 38292), (627, 38382), (653, 38457), (662, 38502), (693, 38703), (700, 38757), (704, 38772),

Gene: Murica_25 Start: 22268, Stop: 24664, Start Num: 81

Candidate Starts for Murica_25:

(Start: 81 @22268 has 128 MA's), (163, 22445), (171, 22466), (238, 22613), (267, 22754), (274, 22787), (284, 22820), (292, 22856), (327, 22949), (348, 23009), (354, 23027), (385, 23159), (399, 23204), (432, 23336), (441, 23381), (456, 23441), (488, 23555), (491, 23576), (500, 23615), (504, 23636), (506, 23651), (541, 23801), (543, 23807), (546, 23825), (561, 23879), (584, 23963), (605, 24056), (656, 24302), (689, 24518), (701, 24602), (708, 24635),

Gene: Murphy_27 Start: 22263, Stop: 24659, Start Num: 81

Candidate Starts for Murphy_27:

(Start: 81 @22263 has 128 MA's), (163, 22440), (171, 22461), (238, 22608), (267, 22749), (274, 22782), (284, 22815), (292, 22851), (327, 22944), (348, 23004), (354, 23022), (385, 23154), (399, 23199), (432, 23331), (441, 23376), (456, 23436), (488, 23550), (491, 23571), (500, 23610), (504, 23631), (506, 23646), (541, 23796), (543, 23802), (546, 23820), (561, 23874), (584, 23958), (605, 24051), (656, 24297), (689, 24513), (701, 24597), (708, 24630),

Gene: Murucutumbu_27 Start: 20831, Stop: 23263, Start Num: 88

Candidate Starts for Murucutumbu_27:

(Start: 88 @20831 has 96 MA's), (137, 20930), (223, 21191), (230, 21212), (283, 21452), (289, 21482), (291, 21485), (320, 21554), (329, 21578), (345, 21623), (381, 21776), (391, 21833), (395, 21842), (406, 21878), (410, 21893), (446, 22073), (450, 22088), (466, 22157), (486, 22232), (494, 22274), (504, 22313), (505, 22319), (506, 22328), (525, 22409), (554, 22526), (563, 22568), (584, 22640), (586, 22649), (591, 22670), (611, 22763), (627, 22859), (671, 23087), (689, 23234),

Gene: Museum_33 Start: 24172, Stop: 26025, Start Num: 264

Candidate Starts for Museum_33:

(Start: 264 @24172 has 216 MA's), (287, 24253), (313, 24319), (343, 24388), (360, 24436), (368, 24463), (377, 24499), (385, 24541), (397, 24577), (417, 24649), (491, 24955), (509, 25057), (526, 25129), (546, 25216), (587, 25372), (640, 25603), (653, 25645), (661, 25687), (696, 25909), (699, 25930), (704, 25966),

Gene: Mutaforma13_18 Start: 17444, Stop: 19981, Start Num: 45

Candidate Starts for Mutaforma13_18:

(41, 17432), (Start: 45 @17444 has 236 MA's), (54, 17465), (Start: 61 @17486 has 1 MA's), (72, 17522), (74, 17525), (109, 17594), (118, 17603), (120, 17606), (127, 17624), (149, 17657), (154, 17672), (168, 17720), (204, 17825), (207, 17831), (208, 17834), (222, 17864), (227, 17876), (228, 17879), (252, 17981), (265, 18047), (275, 18092), (284, 18122), (286, 18128), (288, 18146), (298, 18170), (301, 18179), (314, 18212), (316, 18218), (336, 18269), (343, 18287), (345, 18299), (348, 18308), (353, 18323), (355, 18329), (381, 18437), (383, 18449), (384, 18455), (387, 18470), (389, 18473), (397, 18494), (407, 18524), (410, 18536), (417, 18569), (432, 18635), (441, 18680), (442, 18683), (448, 18710), (449, 18716), (462, 18770), (463, 18773), (474, 18800), (491, 18875), (493, 18887), (494, 18890), (507, 18956), (512, 18980), (517, 19010), (529, 19052), (534, 19070), (535, 19073), (543, 19109), (546, 19127), (554, 19148), (560, 19175), (580, 19244), (584, 19262), (586, 19271), (587, 19283), (593, 19319), (607, 19370), (612, 19388), (620, 19430), (627, 19484), (644, 19586), (674, 19721), (678, 19745), (685, 19799), (689, 19847), (699, 19889), (700, 19913), (701, 19916),

Gene: Mwanjiwa_18 Start: 17382, Stop: 19919, Start Num: 45

Candidate Starts for Mwanjiwa_18:

(Start: 45 @17382 has 236 MA's), (54, 17403), (Start: 61 @17424 has 1 MA's), (74, 17463), (109, 17532), (118, 17541), (120, 17544), (127, 17562), (149, 17595), (154, 17610), (207, 17769), (208, 17772), (228, 17817), (246, 17895), (252, 17919), (265, 17985), (275, 18030), (284, 18060), (286, 18066), (288, 18084), (298, 18108), (301, 18117), (314, 18150), (316, 18156), (336, 18207), (343, 18225), (345, 18237), (348, 18246), (353, 18261), (381, 18375), (383, 18387), (384, 18393), (387,

18408), (389, 18411), (397, 18432), (407, 18462), (410, 18474), (417, 18507), (432, 18573), (441, 18618), (442, 18621), (448, 18648), (462, 18708), (463, 18711), (491, 18813), (493, 18825), (494, 18828), (507, 18894), (511, 18915), (512, 18918), (515, 18939), (517, 18948), (534, 19008), (535, 19011), (543, 19047), (546, 19065), (551, 19077), (554, 19086), (560, 19113), (580, 19182), (584, 19200), (586, 19209), (587, 19221), (593, 19257), (600, 19287), (607, 19308), (614, 19332), (620, 19368), (627, 19422), (644, 19524), (663, 19602), (674, 19659), (678, 19683), (685, 19737), (689, 19785), (699, 19827), (700, 19851), (701, 19854),

Gene: Mynx_27 Start: 20895, Stop: 23327, Start Num: 88

Candidate Starts for Mynx_27:

(Start: 88 @20895 has 96 MA's), (137, 20994), (223, 21255), (230, 21276), (273, 21483), (283, 21516), (289, 21546), (320, 21618), (329, 21642), (345, 21687), (381, 21840), (388, 21885), (391, 21897), (395, 21906), (410, 21957), (446, 22137), (450, 22152), (466, 22221), (469, 22233), (486, 22296), (494, 22338), (504, 22377), (505, 22383), (506, 22392), (510, 22413), (525, 22473), (554, 22590), (563, 22632), (584, 22704), (586, 22713), (591, 22734), (606, 22806), (611, 22827), (627, 22923), (638, 22986), (671, 23151), (689, 23298),

Gene: Myrale_26 Start: 22154, Stop: 24550, Start Num: 81

Candidate Starts for Myrale_26:

(Start: 81 @22154 has 128 MA's), (163, 22331), (171, 22352), (238, 22499), (267, 22640), (274, 22673), (284, 22706), (292, 22742), (327, 22835), (348, 22895), (354, 22913), (376, 22994), (432, 23222), (441, 23267), (491, 23462), (492, 23468), (494, 23477), (504, 23522), (506, 23537), (543, 23693), (546, 23711), (549, 23720), (563, 23774), (584, 23849), (585, 23852), (626, 24062), (628, 24074), (656, 24188), (689, 24404), (701, 24488), (706, 24512), (708, 24521),

Gene: NEHalo_31 Start: 23910, Stop: 25763, Start Num: 264

Candidate Starts for NEHalo_31:

(Start: 264 @23910 has 216 MA's), (287, 23991), (313, 24057), (343, 24126), (360, 24174), (368, 24201), (385, 24279), (397, 24315), (410, 24354), (417, 24387), (426, 24438), (491, 24693), (526, 24867), (546, 24954), (587, 25110), (625, 25296), (640, 25341), (653, 25383), (661, 25425), (696, 25647), (699, 25668), (704, 25704),

Gene: Naira_32 Start: 25769, Stop: 27622, Start Num: 264

Candidate Starts for Naira_32:

(Start: 264 @25769 has 216 MA's), (287, 25850), (313, 25916), (343, 25985), (360, 26033), (368, 26060), (385, 26138), (397, 26174), (417, 26246), (491, 26552), (526, 26726), (546, 26813), (587, 26969), (640, 27200), (653, 27242), (661, 27284), (696, 27506), (704, 27563),

Gene: Nala_26 Start: 22310, Stop: 24706, Start Num: 81

Candidate Starts for Nala_26:

(Start: 81 @22310 has 128 MA's), (163, 22487), (171, 22508), (238, 22655), (267, 22796), (274, 22829), (284, 22862), (292, 22898), (327, 22991), (348, 23051), (354, 23069), (385, 23201), (399, 23246), (432, 23378), (441, 23423), (456, 23483), (488, 23597), (491, 23618), (500, 23657), (504, 23678), (506, 23693), (541, 23843), (543, 23849), (546, 23867), (561, 23921), (584, 24005), (605, 24098), (656, 24344), (689, 24560), (701, 24644), (708, 24677),

Gene: Nebkiss_22 Start: 19932, Stop: 22502, Start Num: 37

Candidate Starts for Nebkiss_22:

(Start: 37 @19932 has 2 MA's), (56, 19989), (67, 20022), (103, 20100), (104, 20103), (137, 20157), (145, 20169), (161, 20217), (176, 20262), (200, 20334), (208, 20355), (219, 20376), (227, 20397), (228, 20400), (240, 20445), (259, 20544), (272, 20589), (286, 20634), (301, 20685), (307, 20703), (348, 20808), (350, 20814), (353, 20823), (354, 20826), (362, 20853), (367, 20874), (376, 20907), (377, 20916), (381, 20937), (383, 20949), (387, 20970), (407, 21024), (410, 21036), (417, 21069),

(433, 21144), (440, 21171), (472, 21294), (480, 21321), (485, 21345), (491, 21375), (497, 21399), (505, 21441), (506, 21450), (530, 21579), (537, 21606), (551, 21657), (581, 21768), (584, 21783), (639, 22074), (674, 22242), (678, 22266), (699, 22410), (701, 22437), (703, 22443), (704, 22446),

Gene: Nekros_36 Start: 29735, Stop: 31666, Start Num: 258

Candidate Starts for Nekros_36:

(Start: 258 @29735 has 23 MA's), (280, 29822), (299, 29873), (316, 29924), (332, 29966), (345, 29999), (389, 30155), (403, 30194), (438, 30341), (441, 30359), (477, 30488), (491, 30554), (493, 30566), (494, 30569), (501, 30599), (511, 30656), (541, 30782), (584, 30944), (599, 31025), (617, 31103), (633, 31196), (653, 31289), (684, 31469), (701, 31601), (704, 31607), (713, 31652),

Gene: NelitzaMV_26 Start: 22353, Stop: 24749, Start Num: 81

Candidate Starts for NelitzaMV_26:

(Start: 81 @22353 has 128 MA's), (163, 22530), (171, 22551), (238, 22698), (267, 22839), (274, 22872), (284, 22905), (292, 22941), (327, 23034), (348, 23094), (354, 23112), (392, 23268), (399, 23289), (428, 23409), (432, 23421), (441, 23466), (491, 23661), (494, 23676), (504, 23721), (506, 23736), (543, 23892), (546, 23910), (549, 23919), (584, 24048), (585, 24051), (626, 24261), (628, 24273), (656, 24387), (689, 24603), (701, 24687), (706, 24711), (708, 24720),

Gene: Nerujay_32 Start: 24578, Stop: 26431, Start Num: 264

Candidate Starts for Nerujay_32:

(Start: 264 @24578 has 216 MA's), (287, 24659), (313, 24725), (343, 24794), (360, 24842), (368, 24869), (377, 24905), (385, 24947), (397, 24983), (417, 25055), (491, 25361), (509, 25463), (526, 25535), (546, 25622), (587, 25778), (625, 25964), (640, 26009), (653, 26051), (661, 26093), (696, 26315), (704, 26372),

Gene: NewHope4_19 Start: 17446, Stop: 19983, Start Num: 45

Candidate Starts for NewHope4_19:

(Start: 45 @17446 has 236 MA's), (54, 17467), (Start: 61 @17488 has 1 MA's), (72, 17524), (74, 17527), (109, 17596), (118, 17605), (120, 17608), (127, 17626), (149, 17659), (154, 17674), (168, 17722), (204, 17827), (207, 17833), (208, 17836), (227, 17878), (228, 17881), (252, 17983), (265, 18049), (275, 18094), (284, 18124), (286, 18130), (288, 18148), (298, 18172), (301, 18181), (314, 18214), (316, 18220), (336, 18271), (343, 18289), (345, 18301), (348, 18310), (353, 18325), (355, 18331), (381, 18439), (383, 18451), (384, 18457), (387, 18472), (389, 18475), (397, 18496), (407, 18526), (410, 18538), (417, 18571), (432, 18637), (441, 18682), (442, 18685), (448, 18712), (449, 18718), (462, 18772), (463, 18775), (489, 18862), (491, 18877), (493, 18889), (494, 18892), (507, 18958), (515, 19003), (517, 19012), (534, 19072), (535, 19075), (543, 19111), (546, 19129), (551, 19141), (554, 19150), (560, 19177), (580, 19246), (584, 19264), (586, 19273), (587, 19285), (593, 19321), (600, 19351), (607, 19372), (614, 19396), (620, 19432), (627, 19486), (638, 19546), (644, 19588), (663, 19666), (674, 19723), (678, 19747), (685, 19801), (689, 19849), (699, 19891), (700, 19915), (701, 19918),

Gene: Nhonho_31 Start: 24329, Stop: 26182, Start Num: 264

Candidate Starts for Nhonho_31:

(Start: 264 @24329 has 216 MA's), (287, 24410), (313, 24476), (343, 24545), (360, 24593), (368, 24620), (385, 24698), (397, 24734), (417, 24806), (491, 25112), (526, 25286), (546, 25373), (587, 25529), (599, 25589), (625, 25715), (640, 25760), (653, 25802), (661, 25844), (696, 26066), (704, 26123),

Gene: Nibb_26 Start: 20138, Stop: 22591, Start Num: 88

Candidate Starts for Nibb_26:

(Start: 88 @20138 has 96 MA's), (160, 20309), (180, 20366), (184, 20378), (221, 20495), (230, 20519), (235, 20546), (262, 20675), (270, 20708), (300, 20819), (303, 20828), (304, 20837), (310, 20858),

(329, 20906), (361, 21008), (393, 21167), (415, 21248), (436, 21350), (482, 21542), (486, 21563), (494, 21605), (504, 21650), (506, 21665), (548, 21848), (563, 21905), (575, 21938), (591, 22007), (593, 22031), (608, 22088), (612, 22103), (624, 22181), (654, 22328), (658, 22337),

Gene: Nibley_31 Start: 26436, Stop: 28931, Start Num: 45

Candidate Starts for Nibley_31:

(Start: 45 @26436 has 236 MA's), (127, 26631), (149, 26667), (154, 26682), (186, 26769), (190, 26784), (208, 26820), (212, 26826), (230, 26859), (233, 26871), (272, 27042), (275, 27051), (284, 27075), (300, 27129), (314, 27165), (316, 27171), (327, 27201), (339, 27231), (345, 27252), (348, 27261), (353, 27276), (372, 27345), (389, 27426), (392, 27435), (399, 27456), (400, 27459), (410, 27489), (418, 27525), (428, 27576), (430, 27585), (432, 27588), (438, 27615), (440, 27624), (444, 27645), (462, 27723), (463, 27726), (485, 27798), (492, 27834), (493, 27840), (503, 27882), (504, 27888), (511, 27930), (512, 27933), (515, 27954), (516, 27960), (517, 27963), (526, 27993), (559, 28134), (561, 28143), (563, 28152), (574, 28185), (580, 28209), (581, 28212), (584, 28227), (587, 28248), (593, 28284), (595, 28290), (596, 28296), (601, 28317), (610, 28344), (631, 28479), (643, 28551), (645, 28557), (656, 28575), (674, 28674), (689, 28791), (702, 28872), (704, 28875), (708, 28902),

Gene: Nichirin_18 Start: 17599, Stop: 20136, Start Num: 45

Candidate Starts for Nichirin_18:

(Start: 45 @17599 has 236 MA's), (54, 17620), (Start: 61 @17641 has 1 MA's), (74, 17680), (109, 17749), (118, 17758), (120, 17761), (127, 17779), (154, 17827), (207, 17986), (208, 17989), (228, 18034), (246, 18112), (251, 18133), (252, 18136), (265, 18202), (284, 18277), (286, 18283), (298, 18325), (300, 18331), (301, 18334), (314, 18367), (316, 18373), (327, 18403), (336, 18424), (345, 18454), (348, 18463), (377, 18571), (380, 18583), (381, 18592), (382, 18595), (383, 18604), (384, 18610), (387, 18625), (389, 18628), (397, 18649), (410, 18691), (417, 18724), (448, 18865), (449, 18871), (462, 18925), (463, 18928), (474, 18955), (491, 19030), (493, 19042), (494, 19045), (507, 19111), (511, 19132), (512, 19135), (515, 19156), (529, 19207), (534, 19225), (535, 19228), (541, 19258), (546, 19282), (554, 19303), (560, 19330), (561, 19336), (580, 19399), (584, 19417), (586, 19426), (587, 19438), (593, 19474), (600, 19504), (607, 19525), (638, 19699), (644, 19741), (663, 19819), (674, 19876), (678, 19900), (680, 19915), (685, 19954), (689, 20002), (699, 20044), (700, 20068), (701, 20071),

Gene: NiebruSaylor_57 Start: 35525, Stop: 38035, Start Num: 66

Candidate Starts for NiebruSaylor_57:

(Start: 66 @35525 has 33 MA's), (73, 35558), (105, 35627), (106, 35630), (119, 35654), (130, 35678), (144, 35702), (155, 35735), (211, 35942), (217, 35954), (218, 35957), (255, 36104), (259, 36134), (265, 36158), (272, 36188), (273, 36191), (281, 36218), (288, 36242), (300, 36272), (320, 36329), (329, 36353), (343, 36389), (345, 36401), (353, 36425), (354, 36428), (366, 36470), (387, 36566), (389, 36569), (453, 36824), (491, 36968), (504, 37028), (514, 37100), (515, 37103), (540, 37199), (584, 37373), (587, 37394), (610, 37487), (613, 37499), (627, 37589), (653, 37664), (662, 37709), (693, 37910), (700, 37964), (704, 37979),

Gene: NihilNomen_38 Start: 30270, Stop: 32198, Start Num: 258

Candidate Starts for NihilNomen_38:

(Start: 258 @30270 has 23 MA's), (341, 30516), (381, 30654), (389, 30690), (407, 30738), (441, 30894), (462, 30984), (477, 31023), (491, 31089), (493, 31101), (494, 31104), (501, 31134), (512, 31194), (546, 31341), (554, 31362), (584, 31479), (594, 31539), (599, 31560), (617, 31638), (642, 31776), (653, 31824), (665, 31884), (675, 31938), (684, 32004), (696, 32085),

Gene: Nimbo_18 Start: 17400, Stop: 19937, Start Num: 45

Candidate Starts for Nimbo_18:

(Start: 45 @17400 has 236 MA's), (54, 17421), (Start: 61 @17442 has 1 MA's), (74, 17481), (109, 17550), (118, 17559), (120, 17562), (127, 17580), (154, 17628), (168, 17676), (207, 17787), (208, 17790), (228, 17835), (246, 17913), (252, 17937), (265, 18003), (284, 18078), (286, 18084), (288, 18102), (298, 18126), (301, 18135), (314, 18168), (316, 18174), (327, 18204), (336, 18225), (345, 18255), (348, 18264), (377, 18372), (380, 18384), (381, 18393), (382, 18396), (384, 18411), (387, 18426), (389, 18429), (397, 18450), (410, 18492), (417, 18525), (441, 18636), (442, 18639), (448, 18666), (449, 18672), (462, 18726), (463, 18729), (474, 18756), (491, 18831), (493, 18843), (494, 18846), (507, 18912), (511, 18933), (512, 18936), (515, 18957), (517, 18966), (529, 19008), (534, 19026), (535, 19029), (541, 19059), (546, 19083), (551, 19095), (554, 19104), (580, 19200), (584, 19218), (586, 19227), (587, 19239), (593, 19275), (600, 19305), (605, 19314), (607, 19326), (620, 19386), (627, 19440), (638, 19500), (644, 19542), (674, 19677), (678, 19701), (685, 19755), (689, 19803), (699, 19845), (700, 19869), (701, 19872),

Gene: Nimrod_26 Start: 22529, Stop: 24925, Start Num: 81

Candidate Starts for Nimrod_26:

(Start: 81 @22529 has 128 MA's), (163, 22706), (171, 22727), (238, 22874), (267, 23015), (274, 23048), (284, 23081), (292, 23117), (327, 23210), (348, 23270), (354, 23288), (385, 23420), (399, 23465), (432, 23597), (441, 23642), (456, 23702), (488, 23816), (491, 23837), (500, 23876), (504, 23897), (506, 23912), (541, 24062), (543, 24068), (546, 24086), (561, 24140), (584, 24224), (605, 24317), (656, 24563), (689, 24779), (701, 24863), (708, 24896),

Gene: Nitzel_19 Start: 18136, Stop: 20673, Start Num: 45

Candidate Starts for Nitzel_19:

(Start: 45 @18136 has 236 MA's), (54, 18157), (Start: 61 @18178 has 1 MA's), (74, 18217), (109, 18286), (118, 18295), (120, 18298), (127, 18316), (149, 18349), (154, 18364), (168, 18412), (204, 18517), (207, 18523), (208, 18526), (227, 18568), (228, 18571), (252, 18673), (265, 18739), (275, 18784), (284, 18814), (286, 18820), (288, 18838), (298, 18862), (301, 18871), (314, 18904), (316, 18910), (336, 18961), (343, 18979), (345, 18991), (348, 19000), (353, 19015), (355, 19021), (381, 19129), (383, 19141), (384, 19147), (387, 19162), (389, 19165), (397, 19186), (407, 19216), (410, 19228), (417, 19261), (432, 19327), (441, 19372), (442, 19375), (448, 19402), (449, 19408), (462, 19462), (463, 19465), (474, 19492), (491, 19567), (493, 19579), (494, 19582), (507, 19648), (512, 19672), (517, 19702), (529, 19744), (534, 19762), (535, 19765), (543, 19801), (546, 19819), (551, 19831), (554, 19840), (560, 19867), (580, 19936), (584, 19954), (586, 19963), (587, 19975), (593, 20011), (607, 20062), (612, 20080), (620, 20122), (627, 20176), (638, 20236), (644, 20278), (674, 20413), (678, 20437), (685, 20491), (689, 20539), (699, 20581), (700, 20605), (701, 20608),

Gene: Nivrat_18 Start: 17405, Stop: 19930, Start Num: 45

Candidate Starts for Nivrat_18:

(Start: 45 @17405 has 236 MA's), (74, 17486), (109, 17555), (118, 17564), (120, 17567), (127, 17585), (154, 17633), (167, 17678), (207, 17792), (208, 17795), (215, 17807), (224, 17828), (227, 17837), (228, 17840), (241, 17888), (246, 17918), (259, 17984), (267, 18017), (275, 18053), (282, 18077), (300, 18137), (301, 18140), (307, 18158), (333, 18221), (335, 18224), (343, 18242), (348, 18263), (354, 18281), (362, 18308), (367, 18329), (376, 18362), (384, 18410), (385, 18413), (387, 18425), (389, 18428), (398, 18455), (407, 18479), (417, 18524), (444, 18650), (449, 18674), (481, 18782), (491, 18833), (493, 18845), (494, 18848), (504, 18893), (506, 18908), (511, 18935), (515, 18959), (529, 19010), (534, 19028), (535, 19031), (536, 19043), (551, 19097), (561, 19139), (595, 19283), (610, 19337), (611, 19343), (612, 19346), (617, 19382), (619, 19385), (621, 19394), (622, 19421), (665, 19622), (689, 19793), (698, 19832), (703, 19871), (704, 19874),

Gene: Niza_33 Start: 25206, Stop: 27059, Start Num: 264

Candidate Starts for Niza_33:

(Start: 264 @25206 has 216 MA's), (287, 25287), (313, 25353), (343, 25422), (360, 25470), (368, 25497), (385, 25575), (397, 25611), (417, 25683), (491, 25989), (526, 26163), (546, 26250), (587,

26406), (625, 26592), (640, 26637), (653, 26679), (661, 26721), (696, 26943), (704, 27000),

Gene: NoShow_21 Start: 18882, Stop: 21146, Start Num: 122

Candidate Starts for NoShow_21:

(Start: 122 @18882 has 1 MA's), (166, 19005), (170, 19014), (198, 19098), (203, 19122), (206, 19131), (230, 19209), (251, 19311), (270, 19398), (309, 19488), (331, 19545), (340, 19563), (343, 19569), (346, 19584), (352, 19599), (355, 19608), (415, 19800), (437, 19908), (480, 20088), (484, 20109), (487, 20118), (498, 20175), (501, 20187), (506, 20217), (517, 20271), (529, 20304), (537, 20346), (542, 20364), (572, 20469), (580, 20499), (610, 20640), (613, 20652), (664, 20943), (689, 21126),

Gene: NoSleep_27 Start: 22023, Stop: 24419, Start Num: 81

Candidate Starts for NoSleep_27:

(Start: 81 @22023 has 128 MA's), (163, 22200), (171, 22221), (238, 22368), (274, 22542), (284, 22575), (292, 22611), (327, 22704), (348, 22764), (354, 22782), (385, 22914), (399, 22959), (432, 23091), (441, 23136), (456, 23196), (488, 23310), (491, 23331), (500, 23370), (504, 23391), (506, 23406), (541, 23556), (543, 23562), (546, 23580), (561, 23634), (584, 23718), (605, 23811), (656, 24057), (689, 24273), (701, 24357), (708, 24390),

Gene: NonchalantPear_26 Start: 21979, Stop: 24375, Start Num: 81

Candidate Starts for NonchalantPear_26:

(Start: 81 @21979 has 128 MA's), (163, 22156), (171, 22177), (238, 22324), (267, 22465), (274, 22498), (284, 22531), (292, 22567), (327, 22660), (348, 22720), (354, 22738), (385, 22870), (399, 22915), (432, 23047), (441, 23092), (456, 23152), (488, 23266), (491, 23287), (500, 23326), (504, 23347), (506, 23362), (541, 23512), (543, 23518), (546, 23536), (561, 23590), (584, 23674), (605, 23767), (656, 24013), (689, 24229), (701, 24313), (708, 24346),

Gene: NormanBulbieJr_18 Start: 17393, Stop: 19945, Start Num: 45

Candidate Starts for NormanBulbieJr_18:

(Start: 45 @17393 has 236 MA's), (74, 17474), (109, 17543), (118, 17552), (120, 17555), (127, 17573), (154, 17621), (167, 17666), (207, 17780), (208, 17783), (215, 17795), (224, 17816), (227, 17825), (228, 17828), (241, 17876), (246, 17906), (259, 17972), (267, 18005), (275, 18041), (282, 18065), (300, 18125), (301, 18128), (307, 18146), (333, 18209), (335, 18212), (343, 18230), (348, 18251), (354, 18269), (362, 18296), (367, 18317), (376, 18350), (383, 18392), (384, 18398), (385, 18401), (389, 18416), (398, 18443), (399, 18446), (407, 18467), (410, 18479), (417, 18512), (438, 18605), (462, 18713), (472, 18737), (474, 18743), (479, 18761), (480, 18764), (485, 18788), (491, 18818), (497, 18842), (504, 18878), (505, 18884), (506, 18893), (511, 18920), (523, 18983), (529, 19007), (530, 19022), (541, 19064), (555, 19115), (581, 19211), (584, 19226), (586, 19235), (590, 19259), (605, 19322), (614, 19358), (670, 19664), (678, 19709), (689, 19811),

Gene: Norz_33 Start: 24985, Stop: 26838, Start Num: 264

Candidate Starts for Norz_33:

(Start: 264 @24985 has 216 MA's), (287, 25066), (313, 25132), (343, 25201), (360, 25249), (368, 25276), (385, 25354), (397, 25390), (417, 25462), (491, 25768), (526, 25942), (546, 26029), (587, 26185), (640, 26416), (653, 26458), (661, 26500), (696, 26722), (699, 26743), (704, 26779),

Gene: NovoPizza_23 Start: 21830, Stop: 24478, Start Num: 20

Candidate Starts for NovoPizza_23:

(Start: 20 @21830 has 1 MA's), (35, 21926), (116, 22154), (132, 22187), (148, 22217), (150, 22226), (152, 22229), (169, 22304), (189, 22373), (195, 22388), (202, 22412), (216, 22463), (230, 22502), (245, 22571), (247, 22583), (255, 22616), (285, 22736), (343, 22850), (345, 22862), (362, 22916), (374, 22967), (381, 23000), (415, 23126), (427, 23186), (436, 23228), (443, 23267), (461, 23348), (465, 23363), (470, 23378), (484, 23435), (494, 23483), (499, 23504), (506, 23543), (517, 23603), (526, 23627), (529, 23636), (531, 23654), (534, 23660), (536, 23675), (537, 23678), (544, 23714),

(577, 23810), (586, 23852), (604, 23942), (605, 23945), (612, 23975), (630, 24098), (635, 24119), (664, 24272), (691, 24470),

Gene: Noxious_33 Start: 25614, Stop: 27467, Start Num: 264

Candidate Starts for Noxious_33:

(Start: 264 @25614 has 216 MA's), (287, 25695), (313, 25761), (343, 25830), (360, 25878), (368, 25905), (385, 25983), (417, 26091), (491, 26397), (509, 26499), (526, 26571), (546, 26658), (587, 26814), (599, 26874), (640, 27045), (653, 27087), (661, 27129), (696, 27351), (699, 27372), (704, 27408),

Gene: Oaker_29 Start: 25939, Stop: 28782, Start Num: 13

Candidate Starts for Oaker_29:

(Start: 13 @25939 has 8 MA's), (Start: 20 @26071 has 1 MA's), (21, 26083), (22, 26092), (33, 26161), (35, 26167), (51, 26227), (57, 26248), (71, 26296), (89, 26338), (98, 26362), (115, 26395), (134, 26431), (142, 26443), (177, 26536), (197, 26593), (220, 26632), (267, 26827), (273, 26857), (286, 26899), (301, 26950), (336, 27040), (343, 27058), (365, 27139), (376, 27178), (380, 27199), (417, 27337), (423, 27376), (440, 27439), (463, 27541), (514, 27766), (603, 28129), (610, 28156), (658, 28399), (661, 28432), (666, 28456), (684, 28576), (695, 28654), (711, 28741), (714, 28756), (715, 28762),

Gene: Ochi17_18 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for Ochi17_18:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584, 19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Odette_38 Start: 29503, Stop: 31431, Start Num: 258

Candidate Starts for Odette_38:

(Start: 258 @29503 has 23 MA's), (341, 29749), (381, 29887), (389, 29923), (407, 29971), (441, 30127), (462, 30217), (477, 30256), (491, 30322), (493, 30334), (494, 30337), (501, 30367), (512, 30427), (546, 30574), (554, 30595), (584, 30712), (594, 30772), (599, 30793), (617, 30871), (642, 31009), (653, 31057), (665, 31117), (675, 31171), (684, 31237), (696, 31318),

Gene: OfUltron_18 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for OfUltron_18:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584,

19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Ogoopogo_21 Start: 17660, Stop: 20149, Start Num: 45

Candidate Starts for Ogoopogo_21:

(Start: 45 @17660 has 236 MA's), (54, 17681), (Start: 61 @17702 has 1 MA's), (75, 17741), (109, 17810), (118, 17819), (120, 17822), (127, 17840), (154, 17888), (168, 17936), (190, 17990), (208, 18026), (212, 18032), (213, 18035), (226, 18053), (233, 18077), (240, 18101), (254, 18164), (272, 18248), (275, 18257), (284, 18281), (288, 18305), (298, 18329), (300, 18335), (307, 18356), (316, 18377), (327, 18407), (339, 18437), (345, 18458), (372, 18551), (376, 18566), (377, 18575), (381, 18596), (382, 18599), (407, 18683), (408, 18686), (410, 18695), (416, 18722), (418, 18731), (424, 18770), (430, 18791), (432, 18794), (440, 18830), (444, 18851), (462, 18929), (463, 18932), (482, 18986), (493, 19046), (512, 19139), (514, 19157), (515, 19160), (526, 19196), (539, 19250), (541, 19259), (559, 19337), (563, 19355), (575, 19391), (576, 19394), (580, 19412), (581, 19415), (584, 19430), (587, 19451), (593, 19487), (596, 19499), (614, 19562), (620, 19595), (631, 19682), (641, 19730), (643, 19754), (651, 19781), (656, 19790), (662, 19829), (669, 19868), (674, 19892), (677, 19913), (689, 20009), (694, 20030), (704, 20093), (708, 20120), (712, 20129),

Gene: Ohno789_31 Start: 23971, Stop: 25824, Start Num: 264

Candidate Starts for Ohno789_31:

(Start: 264 @23971 has 216 MA's), (266, 23989), (287, 24052), (313, 24118), (343, 24187), (360, 24235), (368, 24262), (385, 24340), (410, 24415), (417, 24448), (426, 24499), (491, 24754), (526, 24928), (546, 25015), (587, 25171), (599, 25231), (625, 25357), (640, 25402), (653, 25444), (661, 25486), (696, 25708), (699, 25729), (704, 25765),

Gene: Oksu_19 Start: 17479, Stop: 20016, Start Num: 45

Candidate Starts for Oksu_19:

(Start: 45 @17479 has 236 MA's), (54, 17500), (Start: 61 @17521 has 1 MA's), (74, 17560), (109, 17629), (118, 17638), (120, 17641), (127, 17659), (154, 17707), (204, 17860), (208, 17869), (228, 17914), (251, 18013), (252, 18016), (265, 18082), (284, 18157), (286, 18163), (288, 18181), (298, 18205), (300, 18211), (301, 18214), (314, 18247), (316, 18253), (327, 18283), (336, 18304), (345, 18334), (348, 18343), (353, 18358), (354, 18361), (381, 18472), (382, 18475), (383, 18484), (384, 18490), (387, 18505), (389, 18508), (397, 18529), (410, 18571), (417, 18604), (448, 18745), (449, 18751), (462, 18805), (463, 18808), (474, 18835), (491, 18910), (493, 18922), (494, 18925), (507, 18991), (511, 19012), (512, 19015), (515, 19036), (529, 19087), (534, 19105), (535, 19108), (541, 19138), (546, 19162), (551, 19174), (580, 19279), (584, 19297), (586, 19306), (587, 19318), (593, 19354), (600, 19384), (607, 19405), (614, 19429), (620, 19465), (638, 19579), (644, 19621), (663, 19699), (674, 19756), (678, 19780), (685, 19834), (689, 19882), (699, 19924), (700, 19948), (701, 19951),

Gene: OldBen_18 Start: 17370, Stop: 19907, Start Num: 45

Candidate Starts for OldBen_18:

(41, 17358), (Start: 45 @17370 has 236 MA's), (54, 17391), (Start: 61 @17412 has 1 MA's), (74, 17451), (109, 17520), (118, 17529), (120, 17532), (127, 17550), (154, 17598), (168, 17646), (207, 17757), (208, 17760), (228, 17805), (246, 17883), (252, 17907), (265, 17973), (275, 18018), (284, 18048), (286, 18054), (288, 18072), (298, 18096), (301, 18105), (314, 18138), (316, 18144), (327, 18174), (343, 18213), (345, 18225), (348, 18234), (353, 18249), (354, 18252), (381, 18363), (382, 18366), (383, 18375), (384, 18381), (387, 18396), (389, 18399), (397, 18420), (407, 18450), (410, 18462), (417, 18495), (441, 18606), (442, 18609), (448, 18636), (449, 18642), (462, 18696), (463, 18699), (491, 18801), (493, 18813), (494, 18816), (507, 18882), (512, 18906), (515, 18927), (517, 18936), (534, 18996), (535, 18999), (543, 19035), (546, 19053), (554, 19074), (560, 19101), (580, 19170), (584, 19188), (586, 19197), (587, 19209), (593, 19245), (607, 19296), (612, 19314), (620,

19356), (627, 19410), (644, 19512), (674, 19647), (678, 19671), (685, 19725), (694, 19794), (700, 19839), (701, 19842),

Gene: OlympiaSaint_18 Start: 17593, Stop: 20145, Start Num: 45

Candidate Starts for OlympiaSaint_18:

(Start: 45 @17593 has 236 MA's), (74, 17674), (109, 17743), (118, 17752), (120, 17755), (127, 17773), (154, 17821), (167, 17866), (207, 17980), (208, 17983), (215, 17995), (224, 18016), (227, 18025), (228, 18028), (241, 18076), (246, 18106), (259, 18172), (267, 18205), (275, 18241), (282, 18265), (300, 18325), (301, 18328), (307, 18346), (333, 18409), (335, 18412), (343, 18430), (348, 18451), (354, 18469), (362, 18496), (367, 18517), (376, 18550), (383, 18592), (384, 18598), (385, 18601), (389, 18616), (398, 18643), (399, 18646), (407, 18667), (410, 18679), (417, 18712), (438, 18805), (462, 18913), (472, 18937), (474, 18943), (479, 18961), (480, 18964), (485, 18988), (491, 19018), (497, 19042), (504, 19078), (505, 19084), (506, 19093), (511, 19120), (523, 19183), (529, 19207), (530, 19222), (541, 19264), (555, 19315), (581, 19411), (584, 19426), (586, 19435), (590, 19459), (605, 19522), (614, 19558), (670, 19864), (678, 19909), (689, 20011),

Gene: Omega_38 Start: 31431, Stop: 33986, Start Num: 45

Candidate Starts for Omega_38:

(Start: 45 @31431 has 236 MA's), (127, 31626), (149, 31662), (154, 31677), (168, 31725), (207, 31836), (208, 31839), (222, 31869), (228, 31884), (246, 31962), (252, 31986), (265, 32052), (275, 32097), (284, 32127), (286, 32133), (288, 32151), (298, 32175), (301, 32184), (314, 32217), (316, 32223), (327, 32253), (343, 32292), (345, 32304), (348, 32313), (353, 32328), (354, 32331), (381, 32442), (382, 32445), (383, 32454), (384, 32460), (387, 32475), (389, 32478), (397, 32499), (407, 32529), (410, 32541), (417, 32574), (432, 32640), (441, 32685), (442, 32688), (448, 32715), (449, 32721), (462, 32775), (463, 32778), (489, 32865), (491, 32880), (493, 32892), (494, 32895), (507, 32961), (515, 33006), (517, 33015), (534, 33075), (535, 33078), (543, 33114), (546, 33132), (551, 33144), (554, 33153), (560, 33180), (580, 33249), (584, 33267), (586, 33276), (587, 33288), (593, 33324), (600, 33354), (607, 33375), (614, 33399), (620, 33435), (627, 33489), (638, 33549), (644, 33591), (674, 33726), (678, 33750), (685, 33804), (689, 33852), (699, 33894), (700, 33918), (701, 33921),

Gene: Oogway_30 Start: 24093, Stop: 25946, Start Num: 264

Candidate Starts for Oogway_30:

(Start: 264 @24093 has 216 MA's), (287, 24174), (313, 24240), (343, 24309), (360, 24357), (368, 24384), (385, 24462), (397, 24498), (417, 24570), (491, 24876), (526, 25050), (546, 25137), (587, 25293), (640, 25524), (653, 25566), (661, 25608), (696, 25830), (699, 25851), (704, 25887),

Gene: Optimus_37 Start: 30775, Stop: 33330, Start Num: 45

Candidate Starts for Optimus_37:

(30, 30718), (Start: 45 @30775 has 236 MA's), (127, 30970), (149, 31006), (154, 31021), (168, 31069), (204, 31174), (208, 31183), (228, 31228), (251, 31327), (252, 31330), (265, 31396), (284, 31471), (286, 31477), (288, 31495), (298, 31519), (301, 31528), (314, 31561), (316, 31567), (327, 31597), (343, 31636), (345, 31648), (348, 31657), (381, 31786), (382, 31789), (383, 31798), (384, 31804), (387, 31819), (389, 31822), (397, 31843), (407, 31873), (410, 31885), (417, 31918), (441, 32029), (442, 32032), (448, 32059), (449, 32065), (462, 32119), (463, 32122), (491, 32224), (493, 32236), (494, 32239), (507, 32305), (512, 32329), (515, 32350), (529, 32401), (534, 32419), (535, 32422), (541, 32452), (546, 32476), (551, 32488), (554, 32497), (580, 32593), (584, 32611), (586, 32620), (587, 32632), (600, 32698), (605, 32707), (607, 32719), (620, 32779), (644, 32935), (674, 33070), (678, 33094), (685, 33148), (694, 33217), (700, 33262), (701, 33265),

Gene: OrionPax_27 Start: 22029, Stop: 24425, Start Num: 81

Candidate Starts for OrionPax_27:

(Start: 81 @22029 has 128 MA's), (163, 22206), (171, 22227), (238, 22374), (274, 22548), (284, 22581), (292, 22617), (327, 22710), (348, 22770), (354, 22788), (385, 22920), (399, 22965), (432, 23097), (441, 23142), (456, 23202), (488, 23316), (491, 23337), (500, 23376), (504, 23397), (506, 23412), (541, 23562), (543, 23568), (546, 23586), (561, 23640), (584, 23724), (605, 23817), (656, 24063), (689, 24279), (701, 24363), (708, 24396),

Gene: Oscar_26 Start: 20113, Stop: 22572, Start Num: 88

Candidate Starts for Oscar_26:

(Start: 88 @20113 has 96 MA's), (107, 20161), (160, 20284), (180, 20341), (184, 20353), (211, 20446), (221, 20470), (235, 20521), (270, 20683), (300, 20794), (310, 20833), (320, 20857), (361, 20980), (377, 21052), (393, 21139), (411, 21205), (415, 21220), (436, 21322), (446, 21376), (460, 21436), (482, 21514), (483, 21526), (486, 21535), (494, 21577), (504, 21622), (506, 21637), (528, 21724), (533, 21748), (548, 21820), (563, 21877), (591, 21988), (593, 22012), (598, 22033), (612, 22084), (632, 22213), (658, 22318), (689, 22543),

Gene: Ovechkin_18 Start: 17427, Stop: 19964, Start Num: 45

Candidate Starts for Ovechkin_18:

(Start: 45 @17427 has 236 MA's), (54, 17448), (Start: 61 @17469 has 1 MA's), (72, 17505), (74, 17508), (109, 17577), (118, 17586), (120, 17589), (127, 17607), (149, 17640), (154, 17655), (168, 17703), (207, 17814), (208, 17817), (222, 17847), (227, 17859), (228, 17862), (246, 17940), (252, 17964), (265, 18030), (275, 18075), (284, 18105), (286, 18111), (288, 18129), (298, 18153), (301, 18162), (314, 18195), (316, 18201), (327, 18231), (343, 18270), (345, 18282), (348, 18291), (353, 18306), (354, 18309), (381, 18420), (382, 18423), (383, 18432), (384, 18438), (387, 18453), (389, 18456), (397, 18477), (407, 18507), (410, 18519), (417, 18552), (441, 18663), (442, 18666), (448, 18693), (449, 18699), (462, 18753), (463, 18756), (491, 18858), (493, 18870), (494, 18873), (507, 18939), (512, 18963), (515, 18984), (517, 18993), (534, 19053), (535, 19056), (543, 19092), (546, 19110), (551, 19122), (554, 19131), (560, 19158), (580, 19227), (584, 19245), (586, 19254), (587, 19266), (593, 19302), (600, 19332), (607, 19353), (614, 19377), (620, 19413), (627, 19467), (638, 19527), (644, 19569), (663, 19647), (674, 19704), (678, 19728), (685, 19782), (689, 19830), (699, 19872), (700, 19896), (701, 19899),

Gene: OwlsT2W_20 Start: 17765, Stop: 20317, Start Num: 45

Candidate Starts for OwlsT2W_20:

(Start: 45 @17765 has 236 MA's), (83, 17855), (109, 17915), (118, 17924), (120, 17927), (127, 17945), (154, 17993), (167, 18038), (207, 18152), (208, 18155), (215, 18167), (224, 18188), (227, 18197), (228, 18200), (246, 18278), (259, 18344), (267, 18377), (275, 18413), (282, 18437), (300, 18497), (301, 18500), (307, 18518), (333, 18581), (335, 18584), (343, 18602), (348, 18623), (354, 18641), (362, 18668), (367, 18689), (376, 18722), (383, 18764), (384, 18770), (385, 18773), (389, 18788), (398, 18815), (399, 18818), (407, 18839), (410, 18851), (417, 18884), (438, 18977), (462, 19085), (472, 19109), (474, 19115), (479, 19133), (480, 19136), (485, 19160), (491, 19190), (497, 19214), (504, 19250), (505, 19256), (506, 19265), (511, 19292), (523, 19355), (529, 19379), (530, 19394), (541, 19436), (555, 19487), (581, 19583), (584, 19598), (586, 19607), (590, 19631), (605, 19694), (614, 19730), (670, 20036), (678, 20081), (689, 20183),

Gene: PHappiness_18 Start: 17378, Stop: 19915, Start Num: 45

Candidate Starts for PHappiness_18:

(41, 17366), (Start: 45 @17378 has 236 MA's), (54, 17399), (Start: 61 @17420 has 1 MA's), (74, 17459), (109, 17528), (118, 17537), (120, 17540), (127, 17558), (154, 17606), (168, 17654), (207, 17765), (208, 17768), (228, 17813), (246, 17891), (252, 17915), (265, 17981), (275, 18026), (284, 18056), (286, 18062), (288, 18080), (298, 18104), (301, 18113), (314, 18146), (316, 18152), (327, 18182), (343, 18221), (345, 18233), (348, 18242), (353, 18257), (354, 18260), (381, 18371), (382, 18374), (383, 18383), (384, 18389), (387, 18404), (389, 18407), (397, 18428), (407, 18458), (410, 18470), (417, 18503), (441, 18614), (442, 18617), (448, 18644), (449, 18650), (462, 18704), (463,

18707), (491, 18809), (493, 18821), (494, 18824), (507, 18890), (512, 18914), (515, 18935), (517, 18944), (534, 19004), (535, 19007), (543, 19043), (546, 19061), (554, 19082), (560, 19109), (580, 19178), (584, 19196), (586, 19205), (587, 19217), (593, 19253), (607, 19304), (612, 19322), (620, 19364), (627, 19418), (644, 19520), (674, 19655), (678, 19679), (685, 19733), (694, 19802), (700, 19847), (701, 19850),

Gene: PMC_18 Start: 17383, Stop: 19920, Start Num: 45

Candidate Starts for PMC_18:

(Start: 45 @17383 has 236 MA's), (83, 17473), (109, 17533), (118, 17542), (120, 17545), (127, 17563), (154, 17611), (168, 17659), (204, 17764), (207, 17770), (208, 17773), (227, 17815), (228, 17818), (252, 17920), (265, 17986), (275, 18031), (284, 18061), (286, 18067), (288, 18085), (298, 18109), (301, 18118), (314, 18151), (316, 18157), (336, 18208), (343, 18226), (345, 18238), (348, 18247), (353, 18262), (355, 18268), (381, 18376), (383, 18388), (384, 18394), (387, 18409), (389, 18412), (397, 18433), (407, 18463), (410, 18475), (417, 18508), (432, 18574), (441, 18619), (442, 18622), (448, 18649), (449, 18655), (462, 18709), (463, 18712), (474, 18739), (491, 18814), (493, 18826), (494, 18829), (507, 18895), (511, 18916), (512, 18919), (517, 18949), (529, 18991), (534, 19009), (535, 19012), (541, 19042), (546, 19066), (551, 19078), (554, 19087), (580, 19183), (584, 19201), (586, 19210), (587, 19222), (600, 19288), (605, 19297), (607, 19309), (620, 19369), (644, 19525), (674, 19660), (678, 19684), (685, 19738), (694, 19807), (700, 19852), (701, 19855),

Gene: PSullivan_33 Start: 24641, Stop: 26494, Start Num: 264

Candidate Starts for PSullivan_33:

(Start: 264 @24641 has 216 MA's), (287, 24722), (313, 24788), (343, 24857), (360, 24905), (385, 25010), (397, 25046), (417, 25118), (491, 25424), (509, 25526), (526, 25598), (546, 25685), (587, 25841), (640, 26072), (653, 26114), (661, 26156), (696, 26378), (704, 26435),

Gene: Pacc40_18 Start: 17568, Stop: 20105, Start Num: 45

Candidate Starts for Pacc40_18:

(41, 17556), (Start: 45 @17568 has 236 MA's), (54, 17589), (Start: 61 @17610 has 1 MA's), (74, 17649), (109, 17718), (118, 17727), (120, 17730), (127, 17748), (154, 17796), (168, 17844), (207, 17955), (208, 17958), (228, 18003), (246, 18081), (252, 18105), (265, 18171), (275, 18216), (284, 18246), (286, 18252), (288, 18270), (298, 18294), (301, 18303), (314, 18336), (316, 18342), (327, 18372), (343, 18411), (345, 18423), (348, 18432), (353, 18447), (354, 18450), (381, 18561), (382, 18564), (383, 18573), (384, 18579), (387, 18594), (389, 18597), (397, 18618), (407, 18648), (410, 18660), (417, 18693), (441, 18804), (442, 18807), (448, 18834), (449, 18840), (462, 18894), (463, 18897), (491, 18999), (493, 19011), (494, 19014), (507, 19080), (512, 19104), (515, 19125), (517, 19134), (534, 19194), (535, 19197), (543, 19233), (546, 19251), (554, 19272), (560, 19299), (580, 19368), (584, 19386), (586, 19395), (587, 19407), (593, 19443), (607, 19494), (612, 19512), (620, 19554), (627, 19608), (644, 19710), (674, 19845), (678, 19869), (685, 19923), (694, 19992), (700, 20037), (701, 20040),

Gene: Pace1224_22 Start: 20643, Stop: 23102, Start Num: 39

Candidate Starts for Pace1224_22:

(Start: 39 @20643 has 9 MA's), (60, 20703), (76, 20751), (165, 20946), (252, 21234), (274, 21336), (283, 21360), (349, 21504), (354, 21519), (376, 21600), (390, 21675), (410, 21732), (415, 21756), (422, 21792), (461, 21978), (467, 21999), (482, 22047), (484, 22062), (498, 22128), (506, 22170), (529, 22263), (531, 22281), (546, 22347), (565, 22428), (588, 22494), (620, 22647), (632, 22737), (643, 22806), (653, 22842), (672, 22935), (686, 23040), (688, 23076),

Gene: PacerPaul_31 Start: 24325, Stop: 26178, Start Num: 264

Candidate Starts for PacerPaul_31:

(Start: 264 @24325 has 216 MA's), (287, 24406), (313, 24472), (343, 24541), (360, 24589), (368, 24616), (377, 24652), (385, 24694), (397, 24730), (417, 24802), (491, 25108), (509, 25210), (526,

25282), (546, 25369), (587, 25525), (640, 25756), (651, 25795), (653, 25798), (661, 25840), (696, 26062), (699, 26083), (704, 26119),

Gene: PaddyBaddy_27 Start: 22039, Stop: 24435, Start Num: 81

Candidate Starts for PaddyBaddy_27:

(Start: 81 @22039 has 128 MA's), (163, 22216), (171, 22237), (238, 22384), (274, 22558), (284, 22591), (292, 22627), (327, 22720), (348, 22780), (354, 22798), (385, 22930), (399, 22975), (432, 23107), (441, 23152), (456, 23212), (488, 23326), (491, 23347), (500, 23386), (504, 23407), (506, 23422), (541, 23572), (543, 23578), (546, 23596), (561, 23650), (584, 23734), (605, 23827), (656, 24073), (689, 24289), (701, 24373), (708, 24406),

Gene: Padfoot_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Padfoot_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Padpat_27 Start: 20872, Stop: 23304, Start Num: 88

Candidate Starts for Padpat_27:

(Start: 88 @20872 has 96 MA's), (137, 20971), (223, 21232), (230, 21253), (273, 21460), (283, 21493), (289, 21523), (320, 21595), (329, 21619), (345, 21664), (381, 21817), (388, 21862), (391, 21874), (395, 21883), (410, 21934), (446, 22114), (450, 22129), (466, 22198), (469, 22210), (486, 22273), (494, 22315), (504, 22354), (505, 22360), (506, 22369), (510, 22390), (525, 22450), (554, 22567), (563, 22609), (584, 22681), (586, 22690), (591, 22711), (606, 22783), (611, 22804), (627, 22900), (638, 22963), (671, 23128), (689, 23275),

Gene: PaintedDog_20 Start: 18529, Stop: 21066, Start Num: 63

Candidate Starts for PaintedDog_20:

(15, 18220), (Start: 63 @18529 has 2 MA's), (68, 18553), (96, 18634), (112, 18664), (117, 18673), (130, 18700), (138, 18709), (201, 18919), (211, 18964), (217, 18976), (218, 18979), (251, 19114), (259, 19159), (265, 19183), (269, 19201), (278, 19237), (281, 19243), (298, 19291), (316, 19342), (319, 19351), (343, 19414), (353, 19450), (354, 19453), (355, 19456), (389, 19594), (416, 19681), (417, 19687), (441, 19798), (491, 19993), (504, 20053), (514, 20125), (515, 20128), (517, 20137), (584, 20398), (605, 20491), (611, 20518), (613, 20524), (644, 20671), (653, 20692), (700, 20992),

Gene: Palpatine_26 Start: 22301, Stop: 24697, Start Num: 81

Candidate Starts for Palpatine_26:

(Start: 81 @22301 has 128 MA's), (163, 22478), (171, 22499), (238, 22646), (267, 22787), (274, 22820), (284, 22853), (292, 22889), (327, 22982), (348, 23042), (354, 23060), (385, 23192), (399, 23237), (432, 23369), (441, 23414), (456, 23474), (488, 23588), (491, 23609), (500, 23648), (504, 23669), (506, 23684), (541, 23834), (543, 23840), (546, 23858), (561, 23912), (584, 23996), (605, 24089), (656, 24335), (689, 24551), (701, 24635), (708, 24668),

Gene: Paperbeatsrock_28 Start: 23264, Stop: 25660, Start Num: 81

Candidate Starts for Paperbeatsrock_28:

(Start: 81 @23264 has 128 MA's), (163, 23441), (171, 23462), (238, 23609), (267, 23750), (274, 23783), (284, 23816), (292, 23852), (327, 23945), (348, 24005), (354, 24023), (385, 24155), (399, 24200), (432, 24332), (441, 24377), (456, 24437), (488, 24551), (491, 24572), (500, 24611), (504, 24632), (506, 24647), (541, 24797), (543, 24803), (546, 24821), (561, 24875), (584, 24959), (605, 25052), (656, 25298), (689, 25514), (701, 25598), (708, 25631),

Gene: Papez_33 Start: 25809, Stop: 27662, Start Num: 264

Candidate Starts for Papez_33:

(Start: 264 @25809 has 216 MA's), (287, 25890), (313, 25956), (343, 26025), (360, 26073), (368, 26100), (385, 26178), (417, 26286), (491, 26592), (526, 26766), (546, 26853), (587, 27009), (625, 27195), (640, 27240), (653, 27282), (661, 27324), (696, 27546), (704, 27603),

Gene: Paphu_30 Start: 23838, Stop: 25694, Start Num: 264

Candidate Starts for Paphu_30:

(Start: 264 @23838 has 216 MA's), (287, 23919), (313, 23985), (343, 24054), (360, 24102), (368, 24129), (385, 24207), (397, 24243), (417, 24315), (491, 24621), (526, 24795), (546, 24885), (587, 25041), (640, 25272), (653, 25314), (661, 25356), (696, 25578), (704, 25635),

Gene: Paraselene_30 Start: 24313, Stop: 26166, Start Num: 264

Candidate Starts for Paraselene_30:

(Start: 264 @24313 has 216 MA's), (266, 24331), (287, 24394), (311, 24457), (313, 24460), (343, 24529), (360, 24577), (368, 24604), (385, 24682), (410, 24757), (417, 24790), (426, 24841), (477, 25030), (491, 25096), (526, 25270), (546, 25357), (587, 25513), (640, 25744), (653, 25786), (661, 25828), (696, 26050), (704, 26107),

Gene: Pari_32 Start: 23845, Stop: 25698, Start Num: 264

Candidate Starts for Pari_32:

(Start: 264 @23845 has 216 MA's), (266, 23863), (287, 23926), (313, 23992), (343, 24061), (360, 24109), (368, 24136), (385, 24214), (397, 24250), (410, 24289), (417, 24322), (426, 24373), (491, 24628), (526, 24802), (546, 24889), (587, 25045), (625, 25231), (640, 25276), (653, 25318), (661, 25360), (696, 25582), (699, 25603), (704, 25639),

Gene: Parliament_30 Start: 24180, Stop: 26033, Start Num: 264

Candidate Starts for Parliament_30:

(Start: 264 @24180 has 216 MA's), (287, 24261), (313, 24327), (343, 24396), (360, 24444), (368, 24471), (385, 24549), (410, 24624), (417, 24657), (426, 24708), (491, 24963), (526, 25137), (546, 25224), (587, 25380), (640, 25611), (653, 25653), (661, 25695), (696, 25917), (699, 25938), (704, 25974),

Gene: PascalRango_32 Start: 24148, Stop: 26001, Start Num: 264

Candidate Starts for PascalRango_32:

(Start: 264 @24148 has 216 MA's), (266, 24166), (287, 24229), (313, 24295), (343, 24364), (344, 24367), (360, 24412), (368, 24439), (377, 24475), (385, 24517), (397, 24553), (417, 24625), (491, 24931), (526, 25105), (546, 25192), (587, 25348), (640, 25579), (653, 25621), (661, 25663), (696, 25885), (699, 25906), (704, 25942),

Gene: Pat3_25 Start: 21010, Stop: 23406, Start Num: 81

Candidate Starts for Pat3_25:

(Start: 81 @21010 has 128 MA's), (163, 21187), (171, 21208), (238, 21355), (267, 21496), (274, 21529), (284, 21562), (292, 21598), (327, 21691), (348, 21751), (354, 21769), (385, 21901), (399, 21946), (432, 22078), (441, 22123), (488, 22297), (491, 22318), (500, 22357), (504, 22378), (506, 22393), (543, 22549), (546, 22567), (561, 22621), (584, 22705), (647, 23029), (689, 23260), (701, 23344), (708, 23377),

Gene: PatoPoderoso_18 Start: 17437, Stop: 19974, Start Num: 45

Candidate Starts for PatoPoderoso_18:

(41, 17425), (Start: 45 @17437 has 236 MA's), (54, 17458), (Start: 61 @17479 has 1 MA's), (74, 17518), (109, 17587), (118, 17596), (120, 17599), (127, 17617), (149, 17650), (154, 17665), (168,

17713), (207, 17824), (208, 17827), (222, 17857), (227, 17869), (228, 17872), (246, 17950), (252, 17974), (265, 18040), (275, 18085), (284, 18115), (286, 18121), (288, 18139), (298, 18163), (301, 18172), (314, 18205), (316, 18211), (327, 18241), (343, 18280), (345, 18292), (348, 18301), (353, 18316), (354, 18319), (381, 18430), (382, 18433), (383, 18442), (384, 18448), (387, 18463), (389, 18466), (397, 18487), (407, 18517), (410, 18529), (417, 18562), (441, 18673), (442, 18676), (448, 18703), (449, 18709), (462, 18763), (463, 18766), (489, 18853), (491, 18868), (493, 18880), (494, 18883), (507, 18949), (512, 18973), (515, 18994), (517, 19003), (534, 19063), (535, 19066), (543, 19102), (546, 19120), (551, 19132), (554, 19141), (560, 19168), (580, 19237), (584, 19255), (586, 19264), (587, 19276), (593, 19312), (600, 19342), (607, 19363), (614, 19387), (620, 19423), (627, 19477), (638, 19537), (644, 19579), (663, 19657), (674, 19714), (678, 19738), (685, 19792), (689, 19840), (699, 19882), (700, 19906), (701, 19909),

Gene: PattyP_33 Start: 24381, Stop: 26234, Start Num: 264

Candidate Starts for PattyP_33:

(Start: 264 @24381 has 216 MA's), (287, 24462), (313, 24528), (343, 24597), (360, 24645), (368, 24672), (377, 24708), (385, 24750), (397, 24786), (417, 24858), (491, 25164), (509, 25266), (526, 25338), (546, 25425), (587, 25581), (640, 25812), (653, 25854), (661, 25896), (696, 26118), (704, 26175),

Gene: Payneful_31 Start: 23629, Stop: 25482, Start Num: 264

Candidate Starts for Payneful_31:

(Start: 264 @23629 has 216 MA's), (287, 23710), (313, 23776), (343, 23845), (360, 23893), (368, 23920), (377, 23956), (385, 23998), (397, 24034), (417, 24106), (491, 24412), (526, 24586), (546, 24673), (584, 24808), (587, 24829), (640, 25060), (653, 25102), (661, 25144), (696, 25366), (704, 25423),

Gene: Peel_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Peel_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Pelly_32 Start: 24800, Stop: 26653, Start Num: 264

Candidate Starts for Pelly_32:

(Start: 264 @24800 has 216 MA's), (287, 24881), (313, 24947), (343, 25016), (360, 25064), (368, 25091), (385, 25169), (397, 25205), (417, 25277), (491, 25583), (526, 25757), (546, 25844), (587, 26000), (625, 26186), (640, 26231), (653, 26273), (661, 26315), (696, 26537), (704, 26594),

Gene: Pepe_32 Start: 24982, Stop: 26835, Start Num: 264

Candidate Starts for Pepe_32:

(Start: 264 @24982 has 216 MA's), (287, 25063), (313, 25129), (343, 25198), (360, 25246), (368, 25273), (385, 25351), (397, 25387), (417, 25459), (491, 25765), (509, 25867), (526, 25939), (546, 26026), (587, 26182), (640, 26413), (653, 26455), (661, 26497), (696, 26719), (700, 26764), (704, 26776),

Gene: Peridot_20 Start: 17209, Stop: 19746, Start Num: 45

Candidate Starts for Peridot_20:

(41, 17197), (Start: 45 @17209 has 236 MA's), (54, 17230), (Start: 61 @17251 has 1 MA's), (74, 17290), (118, 17368), (120, 17371), (127, 17389), (149, 17422), (154, 17437), (168, 17485), (207, 17596), (208, 17599), (228, 17644), (246, 17722), (265, 17812), (284, 17887), (286, 17893), (288,

17911), (298, 17935), (300, 17941), (301, 17944), (314, 17977), (316, 17983), (327, 18013), (336, 18034), (345, 18064), (348, 18073), (353, 18088), (354, 18091), (381, 18202), (382, 18205), (383, 18214), (384, 18220), (387, 18235), (389, 18238), (397, 18259), (407, 18289), (410, 18301), (417, 18334), (441, 18445), (442, 18448), (448, 18475), (449, 18481), (462, 18535), (463, 18538), (491, 18640), (493, 18652), (494, 18655), (507, 18721), (512, 18745), (515, 18766), (517, 18775), (534, 18835), (535, 18838), (543, 18874), (546, 18892), (551, 18904), (554, 18913), (560, 18940), (578, 18997), (580, 19009), (584, 19027), (586, 19036), (587, 19048), (593, 19084), (600, 19114), (605, 19123), (607, 19135), (620, 19195), (627, 19249), (638, 19309), (644, 19351), (674, 19486), (678, 19510), (685, 19564), (689, 19612), (699, 19654), (700, 19678), (701, 19681),

Gene: Perseus_33 Start: 24997, Stop: 26850, Start Num: 264

Candidate Starts for Perseus_33:

(Start: 264 @24997 has 216 MA's), (287, 25078), (313, 25144), (343, 25213), (360, 25261), (385, 25366), (397, 25402), (417, 25474), (491, 25780), (526, 25954), (546, 26041), (587, 26197), (640, 26428), (653, 26470), (661, 26512), (696, 26734), (704, 26791),

Gene: Peterson_34 Start: 26010, Stop: 27860, Start Num: 264

Candidate Starts for Peterson_34:

(Start: 264 @26010 has 216 MA's), (287, 26091), (313, 26157), (321, 26181), (328, 26196), (360, 26274), (368, 26301), (389, 26394), (417, 26487), (420, 26505), (428, 26541), (441, 26598), (491, 26793), (586, 27198), (587, 27210), (653, 27483), (704, 27804),

Gene: Petp2012_33 Start: 25052, Stop: 26905, Start Num: 264

Candidate Starts for Petp2012_33:

(Start: 264 @25052 has 216 MA's), (287, 25133), (313, 25199), (343, 25268), (360, 25316), (368, 25343), (377, 25379), (385, 25421), (397, 25457), (417, 25529), (491, 25835), (509, 25937), (526, 26009), (546, 26096), (587, 26252), (640, 26483), (653, 26525), (661, 26567), (696, 26789), (699, 26810), (704, 26846),

Gene: Petra64142_28 Start: 22744, Stop: 25140, Start Num: 81

Candidate Starts for Petra64142_28:

(Start: 81 @22744 has 128 MA's), (163, 22921), (171, 22942), (238, 23089), (267, 23230), (274, 23263), (284, 23296), (292, 23332), (327, 23425), (348, 23485), (354, 23503), (385, 23635), (399, 23680), (432, 23812), (441, 23857), (456, 23917), (488, 24031), (491, 24052), (500, 24091), (504, 24112), (506, 24127), (541, 24277), (543, 24283), (546, 24301), (561, 24355), (584, 24439), (605, 24532), (656, 24778), (689, 24994), (701, 25078), (708, 25111),

Gene: Petruchio_32 Start: 24510, Stop: 26363, Start Num: 264

Candidate Starts for Petruchio_32:

(Start: 264 @24510 has 216 MA's), (287, 24591), (313, 24657), (343, 24726), (360, 24774), (368, 24801), (385, 24879), (397, 24915), (417, 24987), (491, 25293), (517, 25437), (526, 25467), (546, 25554), (587, 25710), (640, 25941), (653, 25983), (661, 26025), (696, 26247), (699, 26268), (704, 26304),

Gene: Phaja_26 Start: 22460, Stop: 24856, Start Num: 81

Candidate Starts for Phaja_26:

(Start: 81 @22460 has 128 MA's), (163, 22637), (171, 22658), (238, 22805), (267, 22946), (274, 22979), (284, 23012), (292, 23048), (327, 23141), (348, 23201), (354, 23219), (392, 23375), (399, 23396), (428, 23516), (432, 23528), (441, 23573), (491, 23768), (492, 23774), (494, 23783), (504, 23828), (506, 23843), (543, 23999), (546, 24017), (549, 24026), (563, 24080), (584, 24155), (585, 24158), (626, 24368), (628, 24380), (656, 24494), (689, 24710), (701, 24794), (706, 24818), (708, 24827),

Gene: Phalconet_18 Start: 17448, Stop: 19979, Start Num: 45

Candidate Starts for Phalconet_18:

(41, 17436), (Start: 45 @17448 has 236 MA's), (54, 17469), (Start: 61 @17490 has 1 MA's), (74, 17529), (109, 17598), (118, 17607), (120, 17610), (149, 17661), (154, 17676), (168, 17718), (207, 17829), (208, 17832), (222, 17862), (228, 17877), (246, 17955), (265, 18045), (275, 18090), (284, 18120), (286, 18126), (288, 18144), (298, 18168), (301, 18177), (314, 18210), (316, 18216), (327, 18246), (343, 18285), (345, 18297), (348, 18306), (353, 18321), (354, 18324), (381, 18435), (382, 18438), (383, 18447), (384, 18453), (387, 18468), (389, 18471), (397, 18492), (407, 18522), (410, 18534), (417, 18567), (432, 18633), (441, 18678), (442, 18681), (448, 18708), (449, 18714), (462, 18768), (463, 18771), (489, 18858), (491, 18873), (493, 18885), (494, 18888), (507, 18954), (515, 18999), (517, 19008), (534, 19068), (535, 19071), (543, 19107), (546, 19125), (551, 19137), (554, 19146), (560, 19173), (580, 19242), (584, 19260), (586, 19269), (587, 19281), (593, 19317), (600, 19347), (607, 19368), (614, 19392), (620, 19428), (627, 19482), (638, 19542), (644, 19584), (663, 19662), (674, 19719), (678, 19743), (685, 19797), (689, 19845), (699, 19887), (700, 19911), (701, 19914),

Gene: Phanphagia_18 Start: 17450, Stop: 19927, Start Num: 45

Candidate Starts for Phanphagia_18:

(42, 17438), (Start: 45 @17450 has 236 MA's), (54, 17471), (Start: 61 @17492 has 1 MA's), (75, 17531), (109, 17600), (118, 17609), (120, 17612), (127, 17630), (149, 17663), (154, 17678), (186, 17765), (190, 17780), (208, 17816), (212, 17822), (230, 17855), (233, 17867), (272, 18038), (275, 18047), (284, 18071), (300, 18125), (314, 18161), (316, 18167), (327, 18197), (339, 18227), (345, 18248), (348, 18257), (372, 18341), (384, 18404), (389, 18422), (392, 18431), (399, 18452), (400, 18455), (407, 18473), (410, 18485), (416, 18512), (418, 18521), (428, 18572), (430, 18581), (432, 18584), (438, 18611), (440, 18620), (444, 18641), (462, 18719), (463, 18722), (492, 18830), (493, 18836), (504, 18884), (511, 18926), (512, 18929), (515, 18950), (516, 18956), (517, 18959), (526, 18989), (559, 19130), (563, 19148), (574, 19181), (580, 19205), (581, 19208), (584, 19223), (587, 19244), (593, 19280), (595, 19286), (601, 19313), (610, 19340), (631, 19475), (641, 19523), (643, 19547), (645, 19553), (656, 19571), (674, 19670), (677, 19691), (680, 19709), (689, 19787), (694, 19808), (704, 19871), (706, 19889), (712, 19907),

Gene: Pharsalus_27 Start: 23064, Stop: 25460, Start Num: 81

Candidate Starts for Pharsalus_27:

(Start: 81 @23064 has 128 MA's), (163, 23241), (171, 23262), (238, 23409), (267, 23550), (274, 23583), (284, 23616), (292, 23652), (327, 23745), (348, 23805), (354, 23823), (385, 23955), (399, 24000), (432, 24132), (441, 24177), (456, 24237), (488, 24351), (491, 24372), (500, 24411), (504, 24432), (506, 24447), (541, 24597), (543, 24603), (546, 24621), (561, 24675), (584, 24759), (605, 24852), (656, 25098), (689, 25314), (701, 25398), (708, 25431),

Gene: Phasih_19 Start: 17939, Stop: 20476, Start Num: 45

Candidate Starts for Phasih_19:

(Start: 45 @17939 has 236 MA's), (54, 17960), (Start: 61 @17981 has 1 MA's), (74, 18020), (109, 18089), (118, 18098), (120, 18101), (127, 18119), (149, 18152), (154, 18167), (204, 18320), (208, 18329), (228, 18374), (251, 18473), (252, 18476), (265, 18542), (284, 18617), (286, 18623), (298, 18665), (300, 18671), (301, 18674), (314, 18707), (316, 18713), (327, 18743), (336, 18764), (345, 18794), (348, 18803), (353, 18818), (354, 18821), (381, 18932), (382, 18935), (383, 18944), (384, 18950), (387, 18965), (389, 18968), (397, 18989), (407, 19019), (410, 19031), (417, 19064), (441, 19175), (442, 19178), (448, 19205), (449, 19211), (462, 19265), (463, 19268), (489, 19355), (491, 19370), (493, 19382), (494, 19385), (507, 19451), (512, 19475), (515, 19496), (517, 19505), (529, 19547), (534, 19565), (535, 19568), (541, 19598), (546, 19622), (551, 19634), (554, 19643), (580, 19739), (584, 19757), (586, 19766), (587, 19778), (593, 19814), (600, 19844), (605, 19853), (607, 19865), (620, 19925), (627, 19979), (638, 20039), (644, 20081), (674, 20216), (678, 20240), (685, 20294), (689, 20342), (699, 20384), (700, 20408), (701, 20411),

Gene: PhatBacter_26 Start: 22312, Stop: 24708, Start Num: 81

Candidate Starts for PhatBacter_26:

(Start: 81 @22312 has 128 MA's), (163, 22489), (171, 22510), (238, 22657), (267, 22798), (274, 22831), (284, 22864), (292, 22900), (327, 22993), (348, 23053), (354, 23071), (385, 23203), (399, 23248), (432, 23380), (441, 23425), (456, 23485), (488, 23599), (491, 23620), (500, 23659), (504, 23680), (506, 23695), (541, 23845), (543, 23851), (546, 23869), (561, 23923), (584, 24007), (605, 24100), (656, 24346), (689, 24562), (701, 24646), (708, 24679),

Gene: Phatniss_19 Start: 17901, Stop: 20438, Start Num: 45

Candidate Starts for Phatniss_19:

(41, 17889), (Start: 45 @17901 has 236 MA's), (54, 17922), (Start: 61 @17943 has 1 MA's), (74, 17982), (109, 18051), (118, 18060), (120, 18063), (127, 18081), (149, 18114), (154, 18129), (168, 18177), (204, 18282), (208, 18291), (227, 18333), (228, 18336), (246, 18414), (252, 18438), (265, 18504), (275, 18549), (284, 18579), (286, 18585), (288, 18603), (298, 18627), (301, 18636), (314, 18669), (316, 18675), (327, 18705), (343, 18744), (345, 18756), (348, 18765), (353, 18780), (354, 18783), (381, 18894), (383, 18906), (384, 18912), (387, 18927), (389, 18930), (397, 18951), (407, 18981), (410, 18993), (417, 19026), (432, 19092), (441, 19137), (442, 19140), (448, 19167), (449, 19173), (462, 19227), (463, 19230), (474, 19257), (491, 19332), (493, 19344), (494, 19347), (507, 19413), (512, 19437), (517, 19467), (529, 19509), (534, 19527), (535, 19530), (543, 19566), (546, 19584), (554, 19605), (560, 19632), (580, 19701), (584, 19719), (586, 19728), (587, 19740), (593, 19776), (600, 19806), (605, 19815), (607, 19827), (620, 19887), (627, 19941), (638, 20001), (644, 20043), (663, 20121), (674, 20178), (678, 20202), (685, 20256), (689, 20304), (699, 20346), (700, 20370), (701, 20373),

Gene: Phaux_25 Start: 22310, Stop: 24706, Start Num: 81

Candidate Starts for Phaux_25:

(Start: 81 @22310 has 128 MA's), (163, 22487), (171, 22508), (238, 22655), (267, 22796), (274, 22829), (284, 22862), (292, 22898), (327, 22991), (348, 23051), (354, 23069), (385, 23201), (399, 23246), (432, 23378), (441, 23423), (456, 23483), (488, 23597), (491, 23618), (500, 23657), (504, 23678), (506, 23693), (541, 23843), (543, 23849), (546, 23867), (561, 23921), (584, 24005), (605, 24098), (656, 24344), (689, 24560), (701, 24644), (708, 24677),

Gene: PherrisBueller_32 Start: 23965, Stop: 25818, Start Num: 264

Candidate Starts for PherrisBueller_32:

(Start: 264 @23965 has 216 MA's), (287, 24046), (313, 24112), (343, 24181), (360, 24229), (368, 24256), (377, 24292), (385, 24334), (397, 24370), (417, 24442), (491, 24748), (509, 24850), (526, 24922), (546, 25009), (587, 25165), (625, 25351), (640, 25396), (653, 25438), (661, 25480), (696, 25702), (704, 25759),

Gene: PhesterPhotato_18 Start: 17419, Stop: 19956, Start Num: 45

Candidate Starts for PhesterPhotato_18:

(41, 17407), (Start: 45 @17419 has 236 MA's), (54, 17440), (Start: 61 @17461 has 1 MA's), (74, 17500), (109, 17569), (118, 17578), (120, 17581), (127, 17599), (149, 17632), (154, 17647), (168, 17695), (207, 17806), (208, 17809), (222, 17839), (228, 17854), (246, 17932), (252, 17956), (265, 18022), (275, 18067), (284, 18097), (286, 18103), (288, 18121), (298, 18145), (301, 18154), (314, 18187), (316, 18193), (327, 18223), (343, 18262), (345, 18274), (348, 18283), (353, 18298), (354, 18301), (381, 18412), (382, 18415), (383, 18424), (384, 18430), (387, 18445), (389, 18448), (397, 18469), (407, 18499), (410, 18511), (417, 18544), (441, 18655), (442, 18658), (448, 18685), (449, 18691), (462, 18745), (463, 18748), (491, 18850), (493, 18862), (494, 18865), (507, 18931), (512, 18955), (515, 18976), (517, 18985), (534, 19045), (535, 19048), (543, 19084), (546, 19102), (551, 19114), (554, 19123), (560, 19150), (580, 19219), (584, 19237), (586, 19246), (587, 19258), (593, 19294), (600, 19324), (607, 19345), (614, 19369), (620, 19405), (627, 19459), (638, 19519), (644,

19561), (663, 19639), (674, 19696), (678, 19720), (680, 19735), (685, 19774), (689, 19822), (699, 19864), (700, 19888), (701, 19891),

Gene: Philus_18 Start: 17405, Stop: 19942, Start Num: 45

Candidate Starts for Philus_18:

(Start: 45 @17405 has 236 MA's), (54, 17426), (Start: 61 @17447 has 1 MA's), (74, 17486), (109, 17555), (118, 17564), (120, 17567), (127, 17585), (154, 17633), (204, 17786), (208, 17795), (228, 17840), (246, 17918), (252, 17942), (265, 18008), (275, 18053), (284, 18083), (286, 18089), (288, 18107), (298, 18131), (301, 18140), (314, 18173), (316, 18179), (327, 18209), (343, 18248), (348, 18269), (353, 18284), (354, 18287), (382, 18401), (383, 18410), (384, 18416), (389, 18434), (397, 18455), (407, 18485), (410, 18497), (417, 18530), (441, 18641), (442, 18644), (448, 18671), (449, 18677), (462, 18731), (463, 18734), (489, 18821), (491, 18836), (494, 18851), (512, 18941), (515, 18962), (517, 18971), (534, 19031), (535, 19034), (543, 19070), (546, 19088), (551, 19100), (554, 19109), (560, 19136), (580, 19205), (584, 19223), (586, 19232), (587, 19244), (593, 19280), (600, 19310), (607, 19331), (614, 19355), (620, 19391), (627, 19445), (644, 19547), (663, 19625), (674, 19682), (678, 19706), (685, 19760), (689, 19808), (699, 19850), (703, 19883), (704, 19886),

Gene: PhineBark_30 Start: 24856, Stop: 26709, Start Num: 264

Candidate Starts for PhineBark_30:

(Start: 264 @24856 has 216 MA's), (287, 24937), (313, 25003), (343, 25072), (360, 25120), (368, 25147), (377, 25183), (385, 25225), (397, 25261), (417, 25333), (491, 25639), (526, 25813), (546, 25900), (584, 26035), (587, 26056), (640, 26287), (653, 26329), (661, 26371), (696, 26593), (704, 26650),

Gene: PhlipPhlop_18 Start: 17352, Stop: 19889, Start Num: 45

Candidate Starts for PhlipPhlop_18:

(Start: 45 @17352 has 236 MA's), (54, 17373), (Start: 61 @17394 has 1 MA's), (74, 17433), (109, 17502), (118, 17511), (120, 17514), (127, 17532), (154, 17580), (204, 17733), (208, 17742), (228, 17787), (251, 17886), (252, 17889), (265, 17955), (284, 18030), (286, 18036), (288, 18054), (298, 18078), (300, 18084), (301, 18087), (314, 18120), (316, 18126), (327, 18156), (336, 18177), (345, 18207), (348, 18216), (353, 18231), (354, 18234), (381, 18345), (382, 18348), (383, 18357), (384, 18363), (387, 18378), (389, 18381), (397, 18402), (407, 18432), (410, 18444), (417, 18477), (441, 18588), (442, 18591), (448, 18618), (449, 18624), (462, 18678), (463, 18681), (491, 18783), (493, 18795), (494, 18798), (507, 18864), (512, 18888), (515, 18909), (517, 18918), (534, 18978), (535, 18981), (543, 19017), (546, 19035), (551, 19047), (554, 19056), (560, 19083), (578, 19140), (580, 19152), (584, 19170), (586, 19179), (587, 19191), (593, 19227), (600, 19257), (605, 19266), (607, 19278), (620, 19338), (627, 19392), (638, 19452), (644, 19494), (674, 19629), (678, 19653), (685, 19707), (689, 19755), (699, 19797), (700, 19821), (701, 19824),

Gene: Phlippers_30 Start: 25181, Stop: 27034, Start Num: 264

Candidate Starts for Phlippers_30:

(Start: 264 @25181 has 216 MA's), (287, 25262), (313, 25328), (343, 25397), (344, 25400), (360, 25445), (368, 25472), (377, 25508), (385, 25550), (397, 25586), (417, 25658), (491, 25964), (526, 26138), (546, 26225), (587, 26381), (640, 26612), (653, 26654), (661, 26696), (696, 26918), (699, 26939), (704, 26975),

Gene: Phoebus_38 Start: 30512, Stop: 32440, Start Num: 258

Candidate Starts for Phoebus_38:

(Start: 258 @30512 has 23 MA's), (318, 30707), (377, 30875), (389, 30932), (403, 30971), (411, 31001), (424, 31067), (477, 31265), (491, 31331), (501, 31376), (512, 31436), (551, 31595), (599, 31802), (644, 32045), (653, 32066), (665, 32126), (675, 32180), (684, 32246), (688, 32285), (704, 32384),

Gene: Phreeze_29 Start: 25682, Stop: 28525, Start Num: 13

Candidate Starts for Phreeze_29:

(Start: 13 @25682 has 8 MA's), (Start: 20 @25814 has 1 MA's), (21, 25826), (22, 25835), (33, 25904), (51, 25970), (57, 25991), (71, 26039), (89, 26081), (98, 26105), (115, 26138), (134, 26174), (142, 26186), (177, 26279), (197, 26336), (220, 26375), (267, 26570), (273, 26600), (286, 26642), (336, 26783), (343, 26801), (365, 26882), (376, 26921), (380, 26942), (417, 27080), (423, 27119), (440, 27182), (463, 27284), (514, 27509), (603, 27872), (610, 27899), (658, 28142), (661, 28175), (666, 28199), (684, 28319), (695, 28397), (711, 28484), (714, 28499), (715, 28505),

Gene: PhrostyMug_31 Start: 24159, Stop: 26012, Start Num: 264

Candidate Starts for PhrostyMug_31:

(Start: 264 @24159 has 216 MA's), (287, 24240), (313, 24306), (343, 24375), (360, 24423), (368, 24450), (385, 24528), (397, 24564), (417, 24636), (491, 24942), (526, 25116), (546, 25203), (587, 25359), (640, 25590), (653, 25632), (661, 25674), (696, 25896), (699, 25917), (704, 25953),

Gene: Phrux_26 Start: 22025, Stop: 24421, Start Num: 81

Candidate Starts for Phrux_26:

(Start: 81 @22025 has 128 MA's), (163, 22202), (171, 22223), (238, 22370), (274, 22544), (284, 22577), (292, 22613), (327, 22706), (348, 22766), (354, 22784), (385, 22916), (399, 22961), (432, 23093), (441, 23138), (456, 23198), (488, 23312), (491, 23333), (500, 23372), (504, 23393), (506, 23408), (541, 23558), (543, 23564), (546, 23582), (561, 23636), (584, 23720), (605, 23813), (656, 24059), (689, 24275), (701, 24359), (708, 24392),

Gene: Piatt_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Piatt_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: PinkPlastic_30 Start: 23899, Stop: 25752, Start Num: 264

Candidate Starts for PinkPlastic_30:

(Start: 264 @23899 has 216 MA's), (287, 23980), (313, 24046), (343, 24115), (360, 24163), (368, 24190), (385, 24268), (397, 24304), (417, 24376), (491, 24682), (526, 24856), (546, 24943), (587, 25099), (640, 25330), (653, 25372), (661, 25414), (696, 25636), (699, 25657), (704, 25693),

Gene: Pinnie_23 Start: 21181, Stop: 23643, Start Num: 39

Candidate Starts for Pinnie_23:

(Start: 39 @21181 has 9 MA's), (73, 21286), (76, 21289), (145, 21409), (159, 21451), (165, 21484), (205, 21589), (252, 21772), (265, 21832), (315, 21955), (330, 21994), (348, 22042), (349, 22045), (376, 22141), (380, 22162), (385, 22192), (390, 22216), (415, 22297), (417, 22306), (422, 22333), (446, 22453), (467, 22540), (482, 22588), (498, 22669), (506, 22711), (529, 22804), (546, 22888), (614, 23149), (620, 23188), (631, 23275), (643, 23347), (670, 23464), (672, 23476), (686, 23581), (690, 23626),

Gene: Pinto_34 Start: 24712, Stop: 26565, Start Num: 264

Candidate Starts for Pinto_34:

(Start: 264 @24712 has 216 MA's), (287, 24793), (313, 24859), (343, 24928), (360, 24976), (368, 25003), (385, 25081), (397, 25117), (417, 25189), (491, 25495), (526, 25669), (546, 25756), (587, 25912), (625, 26098), (640, 26143), (653, 26185), (661, 26227), (696, 26449), (700, 26494), (704, 26506),

Gene: Piper2020_19 Start: 17270, Stop: 19795, Start Num: 45

Candidate Starts for Piper2020_19:

(Start: 45 @17270 has 236 MA's), (54, 17291), (Start: 61 @17312 has 1 MA's), (74, 17351), (109, 17420), (118, 17429), (120, 17432), (127, 17450), (149, 17483), (154, 17498), (168, 17546), (207, 17657), (208, 17660), (228, 17705), (246, 17783), (252, 17807), (265, 17873), (267, 17882), (284, 17948), (286, 17954), (288, 17972), (298, 17996), (300, 18002), (301, 18005), (314, 18038), (316, 18044), (327, 18074), (336, 18095), (348, 18134), (353, 18149), (355, 18155), (389, 18299), (407, 18350), (431, 18461), (442, 18512), (447, 18536), (474, 18629), (485, 18674), (488, 18683), (491, 18704), (493, 18716), (494, 18719), (504, 18764), (512, 18809), (514, 18827), (515, 18830), (529, 18881), (541, 18932), (543, 18938), (546, 18956), (551, 18968), (554, 18977), (561, 19010), (584, 19091), (596, 19160), (605, 19187), (611, 19214), (621, 19265), (627, 19313), (677, 19556), (689, 19661), (694, 19682), (703, 19736), (707, 19760),

Gene: Pippin_33 Start: 24463, Stop: 26316, Start Num: 264

Candidate Starts for Pippin_33:

(Start: 264 @24463 has 216 MA's), (287, 24544), (313, 24610), (343, 24679), (360, 24727), (368, 24754), (385, 24832), (397, 24868), (417, 24940), (491, 25246), (509, 25348), (511, 25357), (526, 25420), (546, 25507), (587, 25663), (640, 25894), (661, 25978), (696, 26200), (704, 26257),

Gene: Pisa1_26 Start: 20946, Stop: 23378, Start Num: 88

Candidate Starts for Pisa1_26:

(Start: 88 @20946 has 96 MA's), (108, 20997), (114, 21006), (223, 21306), (230, 21327), (282, 21564), (283, 21567), (289, 21597), (291, 21600), (320, 21669), (329, 21693), (330, 21699), (345, 21738), (358, 21777), (381, 21891), (388, 21936), (391, 21948), (395, 21957), (410, 22008), (446, 22188), (450, 22203), (466, 22272), (486, 22347), (494, 22389), (504, 22428), (505, 22434), (506, 22443), (510, 22464), (525, 22524), (536, 22572), (554, 22641), (563, 22683), (586, 22764), (596, 22821), (606, 22857), (611, 22878), (627, 22974), (638, 23037), (646, 23085), (671, 23202), (682, 23277),

Gene: Pisa4_26 Start: 20946, Stop: 23378, Start Num: 88

Candidate Starts for Pisa4_26:

(Start: 88 @20946 has 96 MA's), (108, 20997), (114, 21006), (223, 21306), (230, 21327), (282, 21564), (283, 21567), (289, 21597), (291, 21600), (320, 21669), (329, 21693), (330, 21699), (345, 21738), (358, 21777), (381, 21891), (388, 21936), (391, 21948), (395, 21957), (410, 22008), (446, 22188), (450, 22203), (466, 22272), (486, 22347), (494, 22389), (504, 22428), (505, 22434), (506, 22443), (510, 22464), (525, 22524), (536, 22572), (554, 22641), (563, 22683), (586, 22764), (596, 22821), (606, 22857), (611, 22878), (627, 22974), (638, 23037), (646, 23085), (671, 23202), (682, 23277),

Gene: Pita2_33 Start: 24641, Stop: 26494, Start Num: 264

Candidate Starts for Pita2_33:

(Start: 264 @24641 has 216 MA's), (287, 24722), (313, 24788), (343, 24857), (360, 24905), (385, 25010), (397, 25046), (417, 25118), (491, 25424), (509, 25526), (526, 25598), (546, 25685), (587, 25841), (640, 26072), (653, 26114), (661, 26156), (696, 26378), (704, 26435),

Gene: Plumbus_19 Start: 17226, Stop: 19763, Start Num: 45

Candidate Starts for Plumbus_19:

(41, 17214), (Start: 45 @17226 has 236 MA's), (54, 17247), (Start: 61 @17268 has 1 MA's), (74, 17307), (109, 17376), (118, 17385), (120, 17388), (127, 17406), (149, 17439), (154, 17454), (168, 17502), (207, 17613), (208, 17616), (222, 17646), (227, 17658), (228, 17661), (246, 17739), (252, 17763), (265, 17829), (275, 17874), (284, 17904), (286, 17910), (288, 17928), (298, 17952), (301, 17961), (314, 17994), (316, 18000), (327, 18030), (343, 18069), (345, 18081), (348, 18090), (353, 18105), (354, 18108), (381, 18219), (382, 18222), (383, 18231), (384, 18237), (387, 18252), (389, 18255), (397, 18276), (407, 18306), (410, 18318), (417, 18351), (432, 18417), (441, 18462), (442,

18465), (448, 18492), (449, 18498), (462, 18552), (463, 18555), (489, 18642), (491, 18657), (493, 18669), (494, 18672), (507, 18738), (512, 18762), (515, 18783), (517, 18792), (534, 18852), (535, 18855), (543, 18891), (546, 18909), (551, 18921), (554, 18930), (560, 18957), (580, 19026), (584, 19044), (586, 19053), (587, 19065), (593, 19101), (600, 19131), (607, 19152), (614, 19176), (620, 19212), (627, 19266), (638, 19326), (644, 19368), (663, 19446), (674, 19503), (678, 19527), (685, 19581), (689, 19629), (699, 19671), (700, 19695), (701, 19698),

Gene: Poenanya_18 Start: 17534, Stop: 20071, Start Num: 45

Candidate Starts for Poenanya_18:

(Start: 45 @17534 has 236 MA's), (54, 17555), (Start: 61 @17576 has 1 MA's), (74, 17615), (109, 17684), (118, 17693), (120, 17696), (127, 17714), (154, 17762), (207, 17921), (208, 17924), (228, 17969), (246, 18047), (252, 18071), (265, 18137), (284, 18212), (286, 18218), (288, 18236), (298, 18260), (300, 18266), (301, 18269), (314, 18302), (316, 18308), (327, 18338), (336, 18359), (345, 18389), (348, 18398), (377, 18506), (380, 18518), (381, 18527), (382, 18530), (384, 18545), (387, 18560), (389, 18563), (397, 18584), (410, 18626), (417, 18659), (441, 18770), (442, 18773), (448, 18800), (449, 18806), (462, 18860), (463, 18863), (474, 18890), (491, 18965), (493, 18977), (494, 18980), (507, 19046), (511, 19067), (512, 19070), (515, 19091), (517, 19100), (534, 19160), (535, 19163), (543, 19199), (546, 19217), (551, 19229), (554, 19238), (560, 19265), (578, 19322), (580, 19334), (584, 19352), (586, 19361), (587, 19373), (593, 19409), (600, 19439), (605, 19448), (607, 19460), (620, 19520), (627, 19574), (638, 19634), (644, 19676), (674, 19811), (678, 19835), (685, 19889), (689, 19937), (699, 19979), (700, 20003), (701, 20006),

Gene: Pokerus_26 Start: 20829, Stop: 23261, Start Num: 88

Candidate Starts for Pokerus_26:

(Start: 88 @20829 has 96 MA's), (137, 20928), (223, 21189), (230, 21210), (273, 21417), (283, 21450), (289, 21480), (320, 21552), (329, 21576), (381, 21774), (388, 21819), (391, 21831), (395, 21840), (410, 21891), (446, 22071), (450, 22086), (466, 22155), (469, 22167), (486, 22230), (494, 22272), (504, 22311), (505, 22317), (506, 22326), (510, 22347), (525, 22407), (554, 22524), (563, 22566), (584, 22638), (586, 22647), (591, 22668), (606, 22740), (611, 22761), (627, 22857), (657, 23004), (671, 23085), (689, 23232),

Gene: Policronamos_26 Start: 22312, Stop: 24708, Start Num: 81

Candidate Starts for Policronamos_26:

(Start: 81 @22312 has 128 MA's), (163, 22489), (171, 22510), (238, 22657), (267, 22798), (274, 22831), (284, 22864), (292, 22900), (327, 22993), (348, 23053), (354, 23071), (376, 23152), (432, 23380), (441, 23425), (491, 23620), (492, 23626), (494, 23635), (504, 23680), (506, 23695), (543, 23851), (546, 23869), (549, 23878), (563, 23932), (584, 24007), (626, 24220), (628, 24232), (656, 24346), (689, 24562), (701, 24646), (706, 24670), (708, 24679),

Gene: Polka14_19 Start: 17940, Stop: 20477, Start Num: 45

Candidate Starts for Polka14_19:

(41, 17928), (Start: 45 @17940 has 236 MA's), (54, 17961), (Start: 61 @17982 has 1 MA's), (74, 18021), (109, 18090), (118, 18099), (120, 18102), (127, 18120), (154, 18168), (168, 18216), (207, 18327), (208, 18330), (228, 18375), (246, 18453), (252, 18477), (265, 18543), (275, 18588), (284, 18618), (286, 18624), (288, 18642), (298, 18666), (301, 18675), (314, 18708), (316, 18714), (327, 18744), (343, 18783), (345, 18795), (348, 18804), (353, 18819), (354, 18822), (381, 18933), (382, 18936), (383, 18945), (384, 18951), (387, 18966), (389, 18969), (397, 18990), (407, 19020), (410, 19032), (417, 19065), (441, 19176), (442, 19179), (448, 19206), (449, 19212), (462, 19266), (463, 19269), (491, 19371), (493, 19383), (494, 19386), (507, 19452), (512, 19476), (515, 19497), (517, 19506), (534, 19566), (535, 19569), (543, 19605), (546, 19623), (554, 19644), (560, 19671), (580, 19740), (584, 19758), (586, 19767), (587, 19779), (593, 19815), (607, 19866), (612, 19884), (620, 19926), (627, 19980), (644, 20082), (674, 20217), (678, 20241), (685, 20295), (694, 20364), (700, 20409), (701, 20412),

Gene: Pollywog_21 Start: 18605, Stop: 21094, Start Num: 45

Candidate Starts for Pollywog_21:

(Start: 45 @18605 has 236 MA's), (54, 18626), (Start: 61 @18647 has 1 MA's), (75, 18686), (109, 18755), (118, 18764), (120, 18767), (127, 18785), (154, 18833), (168, 18881), (190, 18935), (208, 18971), (212, 18977), (213, 18980), (226, 18998), (233, 19022), (240, 19046), (254, 19109), (272, 19193), (275, 19202), (284, 19226), (288, 19250), (298, 19274), (300, 19280), (307, 19301), (316, 19322), (327, 19352), (339, 19382), (345, 19403), (372, 19496), (376, 19511), (377, 19520), (381, 19541), (382, 19544), (407, 19628), (408, 19631), (410, 19640), (416, 19667), (418, 19676), (424, 19715), (430, 19736), (432, 19739), (440, 19775), (444, 19796), (462, 19874), (463, 19877), (482, 19931), (493, 19991), (512, 20084), (514, 20102), (515, 20105), (526, 20141), (539, 20195), (541, 20204), (559, 20282), (563, 20300), (575, 20336), (576, 20339), (580, 20357), (581, 20360), (584, 20375), (587, 20396), (593, 20432), (596, 20444), (614, 20507), (620, 20540), (631, 20627), (641, 20675), (643, 20699), (651, 20726), (656, 20735), (662, 20774), (669, 20813), (674, 20837), (677, 20858), (689, 20954), (694, 20975), (704, 21038), (708, 21065), (712, 21074),

Gene: Polo2Bam_20 Start: 17446, Stop: 19983, Start Num: 45

Candidate Starts for Polo2Bam_20:

(Start: 45 @17446 has 236 MA's), (54, 17467), (Start: 61 @17488 has 1 MA's), (72, 17524), (74, 17527), (109, 17596), (118, 17605), (120, 17608), (127, 17626), (149, 17659), (154, 17674), (168, 17722), (204, 17827), (207, 17833), (208, 17836), (227, 17878), (228, 17881), (252, 17983), (265, 18049), (275, 18094), (284, 18124), (286, 18130), (288, 18148), (298, 18172), (301, 18181), (314, 18214), (316, 18220), (336, 18271), (343, 18289), (345, 18301), (348, 18310), (353, 18325), (355, 18331), (381, 18439), (383, 18451), (384, 18457), (387, 18472), (389, 18475), (397, 18496), (407, 18526), (410, 18538), (417, 18571), (432, 18637), (441, 18682), (442, 18685), (448, 18712), (449, 18718), (462, 18772), (463, 18775), (489, 18862), (491, 18877), (493, 18889), (494, 18892), (507, 18958), (515, 19003), (517, 19012), (534, 19072), (535, 19075), (543, 19111), (546, 19129), (551, 19141), (554, 19150), (560, 19177), (580, 19246), (584, 19264), (586, 19273), (587, 19285), (593, 19321), (600, 19351), (607, 19372), (614, 19396), (620, 19432), (627, 19486), (638, 19546), (644, 19588), (663, 19666), (674, 19723), (678, 19747), (685, 19801), (689, 19849), (699, 19891), (700, 19915), (701, 19918),

Gene: PopTart_18 Start: 17445, Stop: 19982, Start Num: 45

Candidate Starts for PopTart_18:

(41, 17433), (Start: 45 @17445 has 236 MA's), (54, 17466), (Start: 61 @17487 has 1 MA's), (74, 17526), (109, 17595), (118, 17604), (120, 17607), (127, 17625), (149, 17658), (154, 17673), (207, 17832), (208, 17835), (228, 17880), (246, 17958), (252, 17982), (265, 18048), (284, 18123), (286, 18129), (288, 18147), (298, 18171), (300, 18177), (301, 18180), (314, 18213), (316, 18219), (327, 18249), (336, 18270), (345, 18300), (348, 18309), (371, 18390), (383, 18450), (384, 18456), (387, 18471), (389, 18474), (397, 18495), (410, 18537), (417, 18570), (418, 18573), (448, 18711), (449, 18717), (462, 18771), (463, 18774), (474, 18801), (491, 18876), (493, 18888), (494, 18891), (507, 18957), (512, 18981), (515, 19002), (517, 19011), (534, 19071), (535, 19074), (543, 19110), (546, 19128), (554, 19149), (580, 19245), (584, 19263), (586, 19272), (587, 19284), (593, 19320), (600, 19350), (620, 19431), (627, 19485), (644, 19587), (674, 19722), (678, 19746), (685, 19800), (689, 19848), (699, 19890), (700, 19914), (701, 19917),

Gene: Porcelain_35 Start: 27554, Stop: 30061, Start Num: 45

Candidate Starts for Porcelain_35:

(Start: 45 @27554 has 236 MA's), (127, 27749), (149, 27785), (154, 27800), (186, 27887), (190, 27902), (230, 27977), (233, 27989), (241, 28016), (262, 28121), (272, 28160), (275, 28169), (284, 28193), (286, 28199), (288, 28217), (296, 28235), (301, 28250), (304, 28259), (307, 28268), (314, 28283), (323, 28310), (327, 28319), (343, 28358), (345, 28370), (348, 28379), (372, 28463), (389, 28544), (399, 28574), (400, 28577), (410, 28607), (416, 28634), (418, 28643), (428, 28694), (430,

28703), (432, 28706), (440, 28742), (444, 28763), (452, 28799), (492, 28952), (504, 29006), (512, 29051), (514, 29069), (515, 29072), (526, 29111), (559, 29258), (561, 29267), (581, 29336), (584, 29351), (620, 29516), (631, 29603), (641, 29651), (656, 29702), (669, 29780), (702, 30002), (704, 30005), (708, 30032),

Gene: Porky_26 Start: 22121, Stop: 24517, Start Num: 81

Candidate Starts for Porky_26:

(Start: 81 @22121 has 128 MA's), (163, 22298), (171, 22319), (238, 22466), (267, 22607), (274, 22640), (284, 22673), (292, 22709), (327, 22802), (348, 22862), (354, 22880), (385, 23012), (399, 23057), (432, 23189), (441, 23234), (456, 23294), (488, 23408), (491, 23429), (500, 23468), (504, 23489), (506, 23504), (541, 23654), (543, 23660), (546, 23678), (561, 23732), (584, 23816), (605, 23909), (656, 24155), (689, 24371), (701, 24455), (708, 24488),

Gene: Pound_40 Start: 31501, Stop: 33429, Start Num: 258

Candidate Starts for Pound_40:

(Start: 258 @31501 has 23 MA's), (341, 31747), (381, 31885), (389, 31921), (407, 31969), (441, 32125), (462, 32215), (477, 32254), (491, 32320), (493, 32332), (494, 32335), (501, 32365), (512, 32425), (546, 32572), (554, 32593), (584, 32710), (594, 32770), (599, 32791), (617, 32869), (642, 33007), (653, 33055), (665, 33115), (675, 33169), (684, 33235), (696, 33316),

Gene: PowerRanger_33 Start: 25616, Stop: 27469, Start Num: 264

Candidate Starts for PowerRanger_33:

(Start: 264 @25616 has 216 MA's), (266, 25634), (287, 25697), (297, 25721), (313, 25763), (343, 25832), (360, 25880), (368, 25907), (385, 25985), (397, 26021), (417, 26093), (491, 26399), (526, 26573), (546, 26660), (587, 26816), (640, 27047), (653, 27089), (661, 27131), (696, 27353), (704, 27410),

Gene: Priscilla_18 Start: 17407, Stop: 19959, Start Num: 45

Candidate Starts for Priscilla_18:

(Start: 45 @17407 has 236 MA's), (74, 17488), (109, 17557), (118, 17566), (120, 17569), (127, 17587), (154, 17635), (167, 17680), (207, 17794), (208, 17797), (215, 17809), (224, 17830), (227, 17839), (228, 17842), (241, 17890), (246, 17920), (259, 17986), (267, 18019), (275, 18055), (282, 18079), (300, 18139), (301, 18142), (307, 18160), (333, 18223), (335, 18226), (343, 18244), (348, 18265), (354, 18283), (362, 18310), (367, 18331), (376, 18364), (383, 18406), (384, 18412), (385, 18415), (389, 18430), (398, 18457), (399, 18460), (407, 18481), (410, 18493), (417, 18526), (438, 18619), (462, 18727), (472, 18751), (474, 18757), (479, 18775), (480, 18778), (485, 18802), (491, 18832), (497, 18856), (504, 18892), (505, 18898), (506, 18907), (511, 18934), (523, 18997), (529, 19021), (530, 19036), (541, 19078), (555, 19129), (581, 19225), (584, 19240), (586, 19249), (590, 19273), (605, 19336), (614, 19372), (670, 19678), (678, 19723), (689, 19825),

Gene: Prithvi_27 Start: 20846, Stop: 23278, Start Num: 88

Candidate Starts for Prithvi_27:

(Start: 88 @20846 has 96 MA's), (137, 20945), (223, 21206), (273, 21434), (283, 21467), (289, 21497), (320, 21569), (329, 21593), (345, 21638), (381, 21791), (388, 21836), (391, 21848), (395, 21857), (406, 21893), (410, 21908), (446, 22088), (450, 22103), (466, 22172), (469, 22184), (486, 22247), (494, 22289), (504, 22328), (505, 22334), (506, 22343), (510, 22364), (525, 22424), (554, 22541), (563, 22583), (584, 22655), (586, 22664), (591, 22685), (606, 22757), (611, 22778), (627, 22874), (671, 23102), (689, 23249),

Gene: ProMouse_30 Start: 24604, Stop: 26457, Start Num: 264

Candidate Starts for ProMouse_30:

(Start: 264 @24604 has 216 MA's), (266, 24622), (287, 24685), (313, 24751), (343, 24820), (344, 24823), (360, 24868), (368, 24895), (377, 24931), (385, 24973), (397, 25009), (491, 25387), (526,

25561), (546, 25648), (587, 25804), (625, 25990), (640, 26035), (653, 26077), (661, 26119), (696, 26341), (699, 26362), (704, 26398),

Gene: Ptowny_26 Start: 21666, Stop: 24062, Start Num: 81

Candidate Starts for Ptowny_26:

(Start: 81 @21666 has 128 MA's), (163, 21843), (171, 21864), (238, 22011), (274, 22185), (284, 22218), (292, 22254), (327, 22347), (348, 22407), (354, 22425), (378, 22518), (385, 22557), (399, 22602), (432, 22734), (441, 22779), (456, 22839), (488, 22953), (491, 22974), (500, 23013), (504, 23034), (506, 23049), (541, 23199), (543, 23205), (546, 23223), (561, 23277), (584, 23361), (605, 23454), (656, 23700), (689, 23916), (701, 24000), (708, 24033),

Gene: Puissant_28 Start: 26145, Stop: 28988, Start Num: 13

Candidate Starts for Puissant_28:

(Start: 13 @26145 has 8 MA's), (18, 26247), (Start: 20 @26277 has 1 MA's), (21, 26289), (22, 26298), (35, 26373), (Start: 48 @26427 has 3 MA's), (51, 26433), (57, 26454), (65, 26475), (71, 26502), (167, 26715), (171, 26727), (200, 26808), (203, 26817), (241, 26904), (242, 26910), (254, 26964), (282, 27093), (286, 27105), (327, 27225), (336, 27246), (376, 27384), (410, 27510), (463, 27747), (485, 27819), (493, 27861), (497, 27873), (514, 27972), (537, 28068), (593, 28308), (620, 28416), (658, 28608), (661, 28641), (666, 28665), (669, 28683), (684, 28785), (695, 28863), (705, 28920), (711, 28950), (714, 28965),

Gene: Pumpkin_28 Start: 22364, Stop: 24760, Start Num: 81

Candidate Starts for Pumpkin_28:

(Start: 81 @22364 has 128 MA's), (163, 22541), (171, 22562), (238, 22709), (274, 22883), (284, 22916), (292, 22952), (327, 23045), (348, 23105), (354, 23123), (385, 23255), (399, 23300), (432, 23432), (441, 23477), (456, 23537), (488, 23651), (491, 23672), (500, 23711), (504, 23732), (506, 23747), (541, 23897), (543, 23903), (546, 23921), (561, 23975), (584, 24059), (605, 24152), (656, 24398), (689, 24614), (701, 24698), (708, 24731),

Gene: Puppet_31 Start: 24163, Stop: 26016, Start Num: 264

Candidate Starts for Puppet_31:

(Start: 264 @24163 has 216 MA's), (287, 24244), (313, 24310), (343, 24379), (360, 24427), (368, 24454), (385, 24532), (417, 24640), (491, 24946), (517, 25090), (526, 25120), (546, 25207), (587, 25363), (625, 25549), (640, 25594), (653, 25636), (661, 25678), (696, 25900), (704, 25957),

Gene: Pygmy_20 Start: 18761, Stop: 21265, Start Num: 66

Candidate Starts for Pygmy_20:

(Start: 66 @18761 has 33 MA's), (67, 18770), (130, 18914), (251, 19319), (255, 19334), (259, 19364), (261, 19370), (265, 19388), (298, 19496), (316, 19547), (354, 19658), (355, 19661), (366, 19700), (375, 19733), (389, 19799), (410, 19859), (416, 19886), (417, 19892), (491, 20198), (504, 20258), (510, 20306), (511, 20309), (514, 20330), (515, 20333), (584, 20594), (612, 20717), (613, 20720), (627, 20810), (644, 20867), (653, 20888), (665, 20948), (695, 21149), (700, 21191),

Gene: QTRLifeCrisis_31 Start: 24719, Stop: 26572, Start Num: 264

Candidate Starts for QTRLifeCrisis_31:

(Start: 264 @24719 has 216 MA's), (287, 24800), (313, 24866), (343, 24935), (360, 24983), (368, 25010), (385, 25088), (397, 25124), (417, 25196), (491, 25502), (526, 25676), (546, 25763), (587, 25919), (625, 26105), (640, 26150), (653, 26192), (661, 26234), (696, 26456), (704, 26513),

Gene: Qualification_27 Start: 22490, Stop: 24886, Start Num: 81

Candidate Starts for Qualification_27:

(Start: 81 @22490 has 128 MA's), (163, 22667), (171, 22688), (238, 22835), (267, 22976), (274, 23009), (284, 23042), (292, 23078), (327, 23171), (348, 23231), (354, 23249), (385, 23381), (399,

23426), (432, 23558), (441, 23603), (456, 23663), (488, 23777), (491, 23798), (500, 23837), (504, 23858), (506, 23873), (541, 24023), (543, 24029), (546, 24047), (561, 24101), (584, 24185), (605, 24278), (656, 24524), (689, 24740), (701, 24824), (708, 24857),

Gene: QuickMath_19 Start: 18743, Stop: 21280, Start Num: 45

Candidate Starts for QuickMath_19:

(41, 18731), (Start: 45 @18743 has 236 MA's), (54, 18764), (Start: 61 @18785 has 1 MA's), (74, 18824), (109, 18893), (118, 18902), (120, 18905), (127, 18923), (149, 18956), (154, 18971), (168, 19019), (207, 19130), (208, 19133), (222, 19163), (227, 19175), (228, 19178), (246, 19256), (252, 19280), (265, 19346), (275, 19391), (284, 19421), (286, 19427), (288, 19445), (298, 19469), (301, 19478), (314, 19511), (316, 19517), (327, 19547), (343, 19586), (345, 19598), (348, 19607), (353, 19622), (354, 19625), (381, 19736), (382, 19739), (383, 19748), (384, 19754), (387, 19769), (389, 19772), (397, 19793), (407, 19823), (410, 19835), (417, 19868), (441, 19979), (442, 19982), (448, 20009), (449, 20015), (462, 20069), (463, 20072), (489, 20159), (491, 20174), (493, 20186), (494, 20189), (507, 20255), (512, 20279), (515, 20300), (517, 20309), (529, 20351), (534, 20369), (535, 20372), (543, 20408), (546, 20426), (551, 20438), (554, 20447), (560, 20474), (580, 20543), (584, 20561), (586, 20570), (587, 20582), (593, 20618), (600, 20648), (607, 20669), (614, 20693), (620, 20729), (627, 20783), (638, 20843), (644, 20885), (663, 20963), (674, 21020), (678, 21044), (685, 21098), (689, 21146), (699, 21188), (700, 21212), (701, 21215),

Gene: Quico_19 Start: 17227, Stop: 19764, Start Num: 45

Candidate Starts for Quico_19:

(Start: 45 @17227 has 236 MA's), (54, 17248), (Start: 61 @17269 has 1 MA's), (74, 17308), (109, 17377), (118, 17386), (120, 17389), (127, 17407), (149, 17440), (154, 17455), (168, 17503), (207, 17614), (208, 17617), (222, 17647), (228, 17662), (246, 17740), (252, 17764), (265, 17830), (275, 17875), (284, 17905), (286, 17911), (288, 17929), (298, 17953), (301, 17962), (314, 17995), (316, 18001), (327, 18031), (343, 18070), (348, 18091), (353, 18106), (354, 18109), (382, 18223), (383, 18232), (384, 18238), (389, 18256), (397, 18277), (407, 18307), (410, 18319), (417, 18352), (441, 18463), (442, 18466), (448, 18493), (449, 18499), (462, 18553), (463, 18556), (489, 18643), (491, 18658), (494, 18673), (512, 18763), (515, 18784), (517, 18793), (534, 18853), (535, 18856), (541, 18886), (546, 18910), (554, 18931), (580, 19027), (584, 19045), (586, 19054), (587, 19066), (593, 19102), (600, 19132), (607, 19153), (614, 19177), (620, 19213), (627, 19267), (638, 19327), (644, 19369), (663, 19447), (674, 19504), (678, 19528), (685, 19582), (689, 19630), (699, 19672), (700, 19696), (701, 19699),

Gene: QuincyRose_26 Start: 20892, Stop: 23324, Start Num: 88

Candidate Starts for QuincyRose_26:

(Start: 88 @20892 has 96 MA's), (137, 20991), (223, 21252), (230, 21273), (273, 21480), (283, 21513), (289, 21543), (320, 21615), (329, 21639), (345, 21684), (381, 21837), (388, 21882), (391, 21894), (395, 21903), (410, 21954), (446, 22134), (450, 22149), (466, 22218), (469, 22230), (486, 22293), (494, 22335), (504, 22374), (505, 22380), (506, 22389), (510, 22410), (525, 22470), (554, 22587), (563, 22629), (584, 22701), (586, 22710), (591, 22731), (606, 22803), (611, 22824), (627, 22920), (638, 22983), (657, 23067), (662, 23109), (671, 23148),

Gene: Radiance_18 Start: 17380, Stop: 19917, Start Num: 45

Candidate Starts for Radiance_18:

(41, 17368), (Start: 45 @17380 has 236 MA's), (54, 17401), (Start: 61 @17422 has 1 MA's), (74, 17461), (109, 17530), (118, 17539), (120, 17542), (127, 17560), (149, 17593), (154, 17608), (168, 17656), (204, 17761), (207, 17767), (208, 17770), (227, 17812), (228, 17815), (252, 17917), (265, 17983), (275, 18028), (284, 18058), (286, 18064), (288, 18082), (298, 18106), (301, 18115), (314, 18148), (316, 18154), (327, 18184), (345, 18235), (348, 18244), (377, 18352), (380, 18364), (381, 18373), (382, 18376), (384, 18391), (387, 18406), (389, 18409), (397, 18430), (407, 18460), (410, 18472), (417, 18505), (441, 18616), (442, 18619), (448, 18646), (449, 18652), (462, 18706), (463,

18709), (474, 18736), (491, 18811), (493, 18823), (494, 18826), (507, 18892), (511, 18913), (512, 18916), (515, 18937), (517, 18946), (534, 19006), (535, 19009), (541, 19039), (546, 19063), (551, 19075), (554, 19084), (580, 19180), (584, 19198), (586, 19207), (587, 19219), (600, 19285), (605, 19294), (607, 19306), (614, 19330), (620, 19366), (644, 19522), (674, 19657), (678, 19681), (685, 19735), (694, 19804), (700, 19849), (701, 19852),

Gene: Raid_31 Start: 24168, Stop: 26021, Start Num: 264

Candidate Starts for Raid_31:

(Start: 264 @24168 has 216 MA's), (287, 24249), (313, 24315), (343, 24384), (344, 24387), (360, 24432), (368, 24459), (377, 24495), (385, 24537), (397, 24573), (417, 24645), (491, 24951), (526, 25125), (546, 25212), (587, 25368), (640, 25599), (653, 25641), (661, 25683), (696, 25905), (700, 25950), (704, 25962),

Gene: Rakim_27 Start: 22397, Stop: 24793, Start Num: 81

Candidate Starts for Rakim_27:

(Start: 81 @22397 has 128 MA's), (163, 22574), (171, 22595), (238, 22742), (267, 22883), (274, 22916), (284, 22949), (292, 22985), (327, 23078), (348, 23138), (354, 23156), (376, 23237), (432, 23465), (441, 23510), (491, 23705), (492, 23711), (494, 23720), (504, 23765), (506, 23780), (543, 23936), (546, 23954), (549, 23963), (563, 24017), (584, 24092), (585, 24095), (626, 24305), (628, 24317), (656, 24431), (689, 24647), (701, 24731), (706, 24755), (708, 24764),

Gene: Ramen_27 Start: 20878, Stop: 23310, Start Num: 88

Candidate Starts for Ramen_27:

(Start: 88 @20878 has 96 MA's), (137, 20977), (223, 21238), (230, 21259), (273, 21466), (283, 21499), (289, 21529), (320, 21601), (329, 21625), (381, 21823), (388, 21868), (391, 21880), (395, 21889), (410, 21940), (446, 22120), (450, 22135), (466, 22204), (469, 22216), (486, 22279), (494, 22321), (504, 22360), (505, 22366), (506, 22375), (510, 22396), (525, 22456), (554, 22573), (563, 22615), (584, 22687), (586, 22696), (591, 22717), (606, 22789), (611, 22810), (627, 22906), (657, 23053), (671, 23134), (689, 23281),

Gene: Ramsey_19 Start: 17429, Stop: 19966, Start Num: 45

Candidate Starts for Ramsey_19:

(Start: 45 @17429 has 236 MA's), (54, 17450), (Start: 61 @17471 has 1 MA's), (74, 17510), (109, 17579), (118, 17588), (120, 17591), (127, 17609), (154, 17657), (207, 17816), (208, 17819), (228, 17864), (246, 17942), (252, 17966), (265, 18032), (284, 18107), (286, 18113), (288, 18131), (298, 18155), (300, 18161), (301, 18164), (314, 18197), (316, 18203), (327, 18233), (336, 18254), (345, 18284), (348, 18293), (377, 18401), (380, 18413), (381, 18422), (382, 18425), (384, 18440), (387, 18455), (389, 18458), (397, 18479), (410, 18521), (417, 18554), (441, 18665), (442, 18668), (448, 18695), (449, 18701), (462, 18755), (463, 18758), (474, 18785), (491, 18860), (493, 18872), (494, 18875), (507, 18941), (511, 18962), (512, 18965), (515, 18986), (517, 18995), (529, 19037), (534, 19055), (535, 19058), (541, 19088), (546, 19112), (551, 19124), (554, 19133), (580, 19229), (584, 19247), (586, 19256), (587, 19268), (593, 19304), (600, 19334), (605, 19343), (607, 19355), (620, 19415), (627, 19469), (638, 19529), (644, 19571), (674, 19706), (678, 19730), (685, 19784), (689, 19832), (699, 19874), (700, 19898), (701, 19901),

Gene: Rapunzel97_27 Start: 20879, Stop: 23311, Start Num: 88

Candidate Starts for Rapunzel97_27:

(Start: 88 @20879 has 96 MA's), (137, 20978), (223, 21239), (230, 21260), (273, 21467), (283, 21500), (289, 21530), (320, 21602), (329, 21626), (345, 21671), (381, 21824), (388, 21869), (391, 21881), (395, 21890), (410, 21941), (446, 22121), (450, 22136), (466, 22205), (469, 22217), (494, 22322), (504, 22361), (505, 22367), (506, 22376), (525, 22457), (536, 22505), (555, 22580), (563, 22616), (586, 22697), (591, 22718), (611, 22811), (627, 22907), (657, 23054), (662, 23096), (671, 23135), (682, 23210),

Gene: Rearden_33 Start: 26522, Stop: 28450, Start Num: 258

Candidate Starts for Rearden_33:

(Start: 258 @26522 has 23 MA's), (341, 26768), (389, 26942), (407, 26990), (477, 27275), (491, 27341), (493, 27353), (494, 27356), (501, 27386), (512, 27446), (526, 27506), (546, 27593), (554, 27614), (584, 27731), (605, 27824), (611, 27851), (614, 27860), (617, 27890), (642, 28028), (644, 28055), (653, 28076), (665, 28136), (674, 28181), (675, 28190), (713, 28439),

Gene: RedBird_18 Start: 17357, Stop: 19894, Start Num: 45

Candidate Starts for RedBird_18:

(Start: 45 @17357 has 236 MA's), (54, 17378), (Start: 61 @17399 has 1 MA's), (74, 17438), (109, 17507), (118, 17516), (120, 17519), (127, 17537), (154, 17585), (204, 17738), (208, 17747), (228, 17792), (251, 17891), (252, 17894), (265, 17960), (284, 18035), (286, 18041), (288, 18059), (298, 18083), (300, 18089), (301, 18092), (314, 18125), (316, 18131), (327, 18161), (336, 18182), (345, 18212), (348, 18221), (353, 18236), (354, 18239), (381, 18350), (382, 18353), (383, 18362), (384, 18368), (387, 18383), (389, 18386), (397, 18407), (407, 18437), (410, 18449), (417, 18482), (441, 18593), (442, 18596), (448, 18623), (449, 18629), (462, 18683), (463, 18686), (489, 18773), (491, 18788), (493, 18800), (494, 18803), (507, 18869), (512, 18893), (515, 18914), (517, 18923), (534, 18983), (535, 18986), (543, 19022), (546, 19040), (551, 19052), (554, 19061), (560, 19088), (578, 19145), (580, 19157), (584, 19175), (586, 19184), (587, 19196), (593, 19232), (600, 19262), (605, 19271), (607, 19283), (620, 19343), (627, 19397), (638, 19457), (644, 19499), (674, 19634), (678, 19658), (685, 19712), (689, 19760), (699, 19802), (700, 19826), (701, 19829),

Gene: Redno2_37 Start: 29975, Stop: 31903, Start Num: 258

Candidate Starts for Redno2_37:

(Start: 258 @29975 has 23 MA's), (318, 30170), (377, 30338), (389, 30395), (403, 30434), (411, 30464), (424, 30530), (477, 30728), (491, 30794), (501, 30839), (512, 30899), (551, 31058), (599, 31265), (644, 31508), (653, 31529), (665, 31589), (675, 31643), (684, 31709), (688, 31748), (704, 31847),

Gene: Renaud18_20 Start: 17833, Stop: 20313, Start Num: 48

Candidate Starts for Renaud18_20:

(Start: 48 @17833 has 3 MA's), (52, 17839), (54, 17845), (Start: 81 @17908 has 128 MA's), (82, 17911), (93, 17938), (125, 17992), (127, 18001), (149, 18034), (158, 18067), (168, 18100), (186, 18139), (190, 18154), (208, 18190), (212, 18196), (213, 18199), (226, 18217), (230, 18229), (233, 18241), (240, 18265), (241, 18268), (272, 18412), (275, 18421), (284, 18445), (288, 18469), (298, 18493), (300, 18499), (307, 18520), (316, 18541), (327, 18571), (339, 18601), (345, 18622), (372, 18715), (376, 18730), (377, 18739), (381, 18760), (382, 18763), (392, 18805), (407, 18847), (408, 18850), (410, 18859), (416, 18886), (424, 18934), (430, 18955), (432, 18958), (440, 18994), (444, 19015), (462, 19093), (463, 19096), (482, 19150), (493, 19210), (512, 19303), (515, 19324), (526, 19360), (539, 19414), (541, 19423), (559, 19501), (563, 19519), (575, 19555), (576, 19558), (580, 19576), (581, 19579), (584, 19594), (587, 19615), (593, 19651), (596, 19663), (614, 19726), (620, 19759), (631, 19846), (641, 19894), (643, 19918), (651, 19945), (656, 19954), (662, 19993), (669, 20032), (674, 20056), (677, 20077), (689, 20173), (694, 20194), (704, 20257), (708, 20284), (712, 20293),

Gene: Rhynn_31 Start: 24168, Stop: 26021, Start Num: 264

Candidate Starts for Rhynn_31:

(Start: 264 @24168 has 216 MA's), (287, 24249), (313, 24315), (343, 24384), (360, 24432), (368, 24459), (385, 24537), (397, 24573), (417, 24645), (491, 24951), (526, 25125), (546, 25212), (587, 25368), (640, 25599), (653, 25641), (661, 25683), (696, 25905), (699, 25926), (704, 25962),

Gene: Rialto_20 Start: 17909, Stop: 20446, Start Num: 45

Candidate Starts for Rialto_20:

(Start: 45 @17909 has 236 MA's), (54, 17930), (Start: 61 @17951 has 1 MA's), (74, 17990), (109, 18059), (118, 18068), (120, 18071), (127, 18089), (154, 18137), (204, 18290), (208, 18299), (228, 18344), (251, 18443), (252, 18446), (265, 18512), (284, 18587), (286, 18593), (288, 18611), (298, 18635), (300, 18641), (301, 18644), (314, 18677), (316, 18683), (327, 18713), (336, 18734), (345, 18764), (348, 18773), (353, 18788), (354, 18791), (381, 18902), (382, 18905), (383, 18914), (384, 18920), (387, 18935), (389, 18938), (397, 18959), (407, 18989), (410, 19001), (417, 19034), (441, 19145), (442, 19148), (448, 19175), (449, 19181), (462, 19235), (463, 19238), (491, 19340), (493, 19352), (494, 19355), (507, 19421), (512, 19445), (515, 19466), (517, 19475), (534, 19535), (535, 19538), (543, 19574), (546, 19592), (551, 19604), (554, 19613), (560, 19640), (578, 19697), (580, 19709), (584, 19727), (586, 19736), (587, 19748), (593, 19784), (600, 19814), (605, 19823), (607, 19835), (620, 19895), (627, 19949), (638, 20009), (644, 20051), (674, 20186), (678, 20210), (685, 20264), (689, 20312), (699, 20354), (700, 20378), (701, 20381),

Gene: RidgeCB_31 Start: 23896, Stop: 25749, Start Num: 264

Candidate Starts for RidgeCB_31:

(Start: 264 @23896 has 216 MA's), (287, 23977), (313, 24043), (343, 24112), (360, 24160), (368, 24187), (377, 24223), (385, 24265), (397, 24301), (417, 24373), (491, 24679), (526, 24853), (546, 24940), (587, 25096), (625, 25282), (640, 25327), (653, 25369), (661, 25411), (696, 25633), (704, 25690),

Gene: Rimmer_25 Start: 21850, Stop: 24246, Start Num: 81

Candidate Starts for Rimmer_25:

(Start: 81 @21850 has 128 MA's), (163, 22027), (171, 22048), (238, 22195), (267, 22336), (274, 22369), (284, 22402), (292, 22438), (327, 22531), (348, 22591), (354, 22609), (385, 22741), (399, 22786), (432, 22918), (441, 22963), (488, 23137), (491, 23158), (500, 23197), (504, 23218), (506, 23233), (543, 23389), (546, 23407), (561, 23461), (584, 23545), (605, 23638), (656, 23884), (689, 24100), (701, 24184), (708, 24217),

Gene: Ringer_31 Start: 24820, Stop: 26673, Start Num: 264

Candidate Starts for Ringer_31:

(Start: 264 @24820 has 216 MA's), (287, 24901), (313, 24967), (343, 25036), (360, 25084), (368, 25111), (385, 25189), (397, 25225), (410, 25264), (426, 25348), (491, 25603), (526, 25777), (546, 25864), (587, 26020), (625, 26206), (640, 26251), (653, 26293), (661, 26335), (696, 26557), (700, 26602), (704, 26614),

Gene: Rinkes_33 Start: 31333, Stop: 33816, Start Num: 44

Candidate Starts for Rinkes_33:

(Start: 44 @31333 has 6 MA's), (47, 31342), (76, 31429), (79, 31435), (85, 31447), (91, 31462), (111, 31504), (113, 31507), (152, 31570), (199, 31708), (210, 31747), (214, 31765), (230, 31807), (231, 31810), (252, 31909), (268, 31984), (274, 32011), (275, 32014), (280, 32035), (285, 32047), (349, 32209), (352, 32218), (354, 32224), (365, 32266), (366, 32269), (383, 32347), (391, 32380), (402, 32413), (409, 32431), (421, 32488), (434, 32557), (441, 32593), (482, 32758), (484, 32773), (498, 32839), (505, 32872), (506, 32881), (529, 32968), (542, 33028), (546, 33052), (558, 33097), (559, 33100), (563, 33118), (586, 33199), (627, 33421), (628, 33430), (686, 33754),

Gene: Rita_18 Start: 17410, Stop: 19947, Start Num: 45

Candidate Starts for Rita_18:

(Start: 45 @17410 has 236 MA's), (83, 17500), (109, 17560), (118, 17569), (120, 17572), (127, 17590), (154, 17638), (167, 17683), (207, 17797), (208, 17800), (222, 17830), (227, 17842), (228, 17845), (246, 17923), (252, 17947), (265, 18013), (275, 18058), (284, 18088), (286, 18094), (288, 18112), (298, 18136), (301, 18145), (314, 18178), (316, 18184), (327, 18214), (343, 18253), (345, 18265), (348, 18274), (353, 18289), (354, 18292), (381, 18403), (382, 18406), (383, 18415), (384, 18421),

(387, 18436), (389, 18439), (397, 18460), (407, 18490), (410, 18502), (417, 18535), (441, 18646), (442, 18649), (448, 18676), (449, 18682), (462, 18736), (463, 18739), (491, 18841), (493, 18853), (494, 18856), (507, 18922), (512, 18946), (515, 18967), (517, 18976), (534, 19036), (535, 19039), (543, 19075), (546, 19093), (551, 19105), (554, 19114), (560, 19141), (580, 19210), (584, 19228), (586, 19237), (587, 19249), (593, 19285), (600, 19315), (607, 19336), (614, 19360), (620, 19396), (627, 19450), (638, 19510), (644, 19552), (663, 19630), (674, 19687), (678, 19711), (685, 19765), (689, 19813), (699, 19855), (700, 19879), (701, 19882),

Gene: RitaG_18 Start: 17539, Stop: 20091, Start Num: 45

Candidate Starts for RitaG_18:

(Start: 45 @17539 has 236 MA's), (54, 17560), (Start: 61 @17581 has 1 MA's), (74, 17620), (109, 17689), (118, 17698), (120, 17701), (127, 17719), (149, 17752), (154, 17767), (168, 17815), (207, 17926), (208, 17929), (224, 17962), (227, 17971), (228, 17974), (246, 18052), (259, 18118), (267, 18151), (279, 18205), (284, 18217), (298, 18265), (301, 18274), (304, 18283), (317, 18316), (335, 18358), (342, 18373), (350, 18403), (352, 18409), (353, 18412), (354, 18415), (362, 18442), (367, 18463), (376, 18496), (383, 18538), (384, 18544), (385, 18547), (387, 18559), (389, 18562), (398, 18589), (407, 18613), (410, 18625), (417, 18658), (421, 18679), (438, 18751), (442, 18772), (472, 18883), (479, 18907), (480, 18910), (485, 18934), (491, 18964), (497, 18988), (504, 19024), (505, 19030), (506, 19039), (523, 19129), (529, 19153), (530, 19168), (541, 19210), (543, 19216), (555, 19261), (581, 19357), (584, 19372), (586, 19381), (590, 19405), (605, 19468), (627, 19594), (670, 19810), (678, 19855), (689, 19957), (704, 20035),

Gene: RiverMonster_26 Start: 22039, Stop: 24435, Start Num: 81

Candidate Starts for RiverMonster_26:

(Start: 81 @22039 has 128 MA's), (163, 22216), (171, 22237), (238, 22384), (274, 22558), (284, 22591), (292, 22627), (327, 22720), (348, 22780), (354, 22798), (385, 22930), (399, 22975), (432, 23107), (441, 23152), (456, 23212), (488, 23326), (491, 23347), (500, 23386), (504, 23407), (506, 23422), (541, 23572), (543, 23578), (546, 23596), (561, 23650), (584, 23734), (605, 23827), (656, 24073), (689, 24289), (701, 24373), (708, 24406),

Gene: Rockne_18 Start: 17383, Stop: 19920, Start Num: 45

Candidate Starts for Rockne_18:

(Start: 45 @17383 has 236 MA's), (83, 17473), (109, 17533), (118, 17542), (120, 17545), (127, 17563), (154, 17611), (168, 17659), (204, 17764), (207, 17770), (208, 17773), (227, 17815), (228, 17818), (252, 17920), (265, 17986), (275, 18031), (284, 18061), (286, 18067), (288, 18085), (298, 18109), (301, 18118), (314, 18151), (316, 18157), (336, 18208), (343, 18226), (345, 18238), (348, 18247), (353, 18262), (355, 18268), (381, 18376), (383, 18388), (384, 18394), (387, 18409), (389, 18412), (397, 18433), (407, 18463), (410, 18475), (417, 18508), (432, 18574), (441, 18619), (442, 18622), (448, 18649), (449, 18655), (462, 18709), (463, 18712), (474, 18739), (491, 18814), (493, 18826), (494, 18829), (507, 18895), (511, 18916), (512, 18919), (517, 18949), (529, 18991), (534, 19009), (535, 19012), (541, 19042), (546, 19066), (551, 19078), (554, 19087), (580, 19183), (584, 19201), (586, 19210), (587, 19222), (600, 19288), (605, 19297), (607, 19309), (620, 19369), (644, 19525), (674, 19660), (678, 19684), (685, 19738), (694, 19807), (700, 19852), (701, 19855),

Gene: RockyHorror_19 Start: 17258, Stop: 19795, Start Num: 45

Candidate Starts for RockyHorror_19:

(Start: 45 @17258 has 236 MA's), (54, 17279), (Start: 61 @17300 has 1 MA's), (74, 17339), (109, 17408), (118, 17417), (120, 17420), (127, 17438), (154, 17486), (204, 17639), (208, 17648), (228, 17693), (251, 17792), (252, 17795), (265, 17861), (284, 17936), (286, 17942), (288, 17960), (298, 17984), (300, 17990), (301, 17993), (314, 18026), (316, 18032), (327, 18062), (336, 18083), (345, 18113), (348, 18122), (353, 18137), (354, 18140), (381, 18251), (382, 18254), (383, 18263), (384, 18269), (387, 18284), (389, 18287), (397, 18308), (407, 18338), (410, 18350), (417, 18383), (441, 18494), (442, 18497), (448, 18524), (449, 18530), (462, 18584), (463, 18587), (489, 18674), (491,

18689), (493, 18701), (494, 18704), (507, 18770), (512, 18794), (515, 18815), (517, 18824), (534, 18884), (535, 18887), (543, 18923), (546, 18941), (551, 18953), (554, 18962), (560, 18989), (578, 19046), (580, 19058), (584, 19076), (586, 19085), (587, 19097), (593, 19133), (600, 19163), (605, 19172), (607, 19184), (620, 19244), (627, 19298), (638, 19358), (644, 19400), (674, 19535), (678, 19559), (685, 19613), (689, 19661), (699, 19703), (700, 19727), (701, 19730),

Gene: Rohr_32 Start: 24318, Stop: 26171, Start Num: 264

Candidate Starts for Rohr_32:

(Start: 264 @24318 has 216 MA's), (287, 24399), (313, 24465), (343, 24534), (360, 24582), (368, 24609), (385, 24687), (397, 24723), (417, 24795), (491, 25101), (526, 25275), (546, 25362), (587, 25518), (640, 25749), (653, 25791), (661, 25833), (696, 26055), (699, 26076), (704, 26112),

Gene: Rosmarinus_27 Start: 20900, Stop: 23332, Start Num: 88

Candidate Starts for Rosmarinus_27:

(Start: 88 @20900 has 96 MA's), (137, 20999), (223, 21260), (230, 21281), (273, 21488), (283, 21521), (289, 21551), (320, 21623), (329, 21647), (381, 21845), (388, 21890), (391, 21902), (395, 21911), (410, 21962), (446, 22142), (450, 22157), (466, 22226), (469, 22238), (486, 22301), (494, 22343), (504, 22382), (505, 22388), (506, 22397), (510, 22418), (525, 22478), (554, 22595), (563, 22637), (584, 22709), (586, 22718), (591, 22739), (606, 22811), (611, 22832), (627, 22928), (657, 23075), (671, 23156), (689, 23303),

Gene: Royals2015_18 Start: 17417, Stop: 19948, Start Num: 45

Candidate Starts for Royals2015_18:

(Start: 45 @17417 has 236 MA's), (54, 17438), (83, 17507), (109, 17567), (118, 17576), (120, 17579), (127, 17597), (149, 17630), (154, 17645), (167, 17690), (207, 17804), (208, 17807), (215, 17819), (224, 17840), (227, 17849), (228, 17852), (246, 17930), (259, 17996), (267, 18029), (275, 18065), (282, 18089), (300, 18149), (301, 18152), (307, 18170), (333, 18233), (335, 18236), (343, 18254), (348, 18275), (354, 18293), (362, 18320), (367, 18341), (376, 18374), (384, 18422), (385, 18425), (387, 18437), (389, 18440), (397, 18461), (407, 18491), (410, 18503), (417, 18536), (432, 18602), (441, 18647), (442, 18650), (448, 18677), (449, 18683), (462, 18737), (463, 18740), (474, 18767), (491, 18842), (493, 18854), (494, 18857), (507, 18923), (512, 18947), (517, 18977), (529, 19019), (534, 19037), (535, 19040), (543, 19076), (546, 19094), (554, 19115), (560, 19142), (580, 19211), (584, 19229), (586, 19238), (587, 19250), (593, 19286), (607, 19337), (612, 19355), (620, 19397), (627, 19451), (644, 19553), (663, 19631), (674, 19688), (678, 19712), (685, 19766), (689, 19814), (700, 19880), (701, 19883),

Gene: Rubeus_32 Start: 24203, Stop: 26056, Start Num: 264

Candidate Starts for Rubeus_32:

(Start: 264 @24203 has 216 MA's), (287, 24284), (313, 24350), (343, 24419), (360, 24467), (368, 24494), (385, 24572), (410, 24647), (417, 24680), (426, 24731), (491, 24986), (526, 25160), (546, 25247), (587, 25403), (625, 25589), (640, 25634), (653, 25676), (661, 25718), (696, 25940), (699, 25961), (704, 25997),

Gene: Ruby_18 Start: 17371, Stop: 19908, Start Num: 45

Candidate Starts for Ruby_18:

(Start: 45 @17371 has 236 MA's), (54, 17392), (Start: 61 @17413 has 1 MA's), (74, 17452), (109, 17521), (118, 17530), (120, 17533), (127, 17551), (149, 17584), (154, 17599), (204, 17752), (208, 17761), (228, 17806), (251, 17905), (252, 17908), (265, 17974), (284, 18049), (286, 18055), (298, 18097), (300, 18103), (301, 18106), (314, 18139), (316, 18145), (327, 18175), (336, 18196), (345, 18226), (348, 18235), (353, 18250), (354, 18253), (381, 18364), (382, 18367), (383, 18376), (384, 18382), (387, 18397), (389, 18400), (397, 18421), (407, 18451), (410, 18463), (417, 18496), (441, 18607), (442, 18610), (448, 18637), (449, 18643), (462, 18697), (463, 18700), (489, 18787), (491, 18802), (493, 18814), (494, 18817), (507, 18883), (512, 18907), (515, 18928), (517, 18937), (529,

18979), (534, 18997), (535, 19000), (541, 19030), (546, 19054), (551, 19066), (554, 19075), (580, 19171), (584, 19189), (586, 19198), (587, 19210), (593, 19246), (600, 19276), (605, 19285), (607, 19297), (620, 19357), (627, 19411), (638, 19471), (644, 19513), (674, 19648), (678, 19672), (685, 19726), (689, 19774), (699, 19816), (700, 19840), (701, 19843),

Gene: Rufus_32 Start: 24505, Stop: 26358, Start Num: 264

Candidate Starts for Rufus_32:

(Start: 264 @24505 has 216 MA's), (266, 24523), (287, 24586), (313, 24652), (343, 24721), (360, 24769), (368, 24796), (385, 24874), (397, 24910), (417, 24982), (491, 25288), (526, 25462), (546, 25549), (587, 25705), (640, 25936), (653, 25978), (661, 26020), (696, 26242), (704, 26299),

Gene: Ruotula_30 Start: 24709, Stop: 26562, Start Num: 264

Candidate Starts for Ruotula_30:

(Start: 264 @24709 has 216 MA's), (287, 24790), (313, 24856), (343, 24925), (360, 24973), (368, 25000), (385, 25078), (397, 25114), (417, 25186), (491, 25492), (526, 25666), (546, 25753), (587, 25909), (625, 26095), (640, 26140), (653, 26182), (661, 26224), (696, 26446), (704, 26503),

Gene: Rutherferd_33 Start: 24774, Stop: 26627, Start Num: 264

Candidate Starts for Rutherferd_33:

(Start: 264 @24774 has 216 MA's), (287, 24855), (313, 24921), (343, 24990), (360, 25038), (368, 25065), (377, 25101), (385, 25143), (397, 25179), (417, 25251), (491, 25557), (526, 25731), (546, 25818), (587, 25974), (625, 26160), (640, 26205), (653, 26247), (661, 26289), (696, 26511), (704, 26568),

Gene: Ryadel_62 Start: 36906, Stop: 39416, Start Num: 66

Candidate Starts for Ryadel_62:

(Start: 66 @36906 has 33 MA's), (73, 36939), (105, 37008), (106, 37011), (119, 37035), (130, 37059), (144, 37083), (155, 37116), (211, 37323), (217, 37335), (218, 37338), (255, 37485), (259, 37515), (265, 37539), (272, 37569), (273, 37572), (281, 37599), (288, 37623), (300, 37653), (320, 37710), (343, 37770), (345, 37782), (353, 37806), (354, 37809), (366, 37851), (387, 37947), (389, 37950), (453, 38205), (491, 38349), (504, 38409), (514, 38481), (515, 38484), (540, 38580), (584, 38754), (586, 38763), (587, 38775), (610, 38868), (613, 38880), (627, 38970), (653, 39045), (662, 39090), (693, 39291), (700, 39345), (704, 39360),

Gene: SG4_18 Start: 17548, Stop: 20085, Start Num: 45

Candidate Starts for SG4_18:

(Start: 45 @17548 has 236 MA's), (54, 17569), (Start: 61 @17590 has 1 MA's), (72, 17626), (74, 17629), (109, 17698), (118, 17707), (120, 17710), (127, 17728), (149, 17761), (154, 17776), (168, 17824), (207, 17935), (208, 17938), (222, 17968), (227, 17980), (228, 17983), (246, 18061), (252, 18085), (265, 18151), (275, 18196), (284, 18226), (286, 18232), (288, 18250), (298, 18274), (301, 18283), (314, 18316), (316, 18322), (336, 18373), (343, 18391), (345, 18403), (348, 18412), (353, 18427), (354, 18430), (381, 18541), (382, 18544), (383, 18553), (384, 18559), (387, 18574), (389, 18577), (397, 18598), (407, 18628), (410, 18640), (417, 18673), (432, 18739), (441, 18784), (442, 18787), (448, 18814), (449, 18820), (462, 18874), (463, 18877), (491, 18979), (493, 18991), (494, 18994), (507, 19060), (512, 19084), (515, 19105), (517, 19114), (534, 19174), (535, 19177), (543, 19213), (546, 19231), (551, 19243), (554, 19252), (560, 19279), (580, 19348), (584, 19366), (586, 19375), (587, 19387), (593, 19423), (600, 19453), (607, 19474), (614, 19498), (620, 19534), (627, 19588), (638, 19648), (644, 19690), (674, 19825), (678, 19849), (685, 19903), (689, 19951), (700, 20017), (701, 20020),

Gene: STLscum_32 Start: 24912, Stop: 26765, Start Num: 264

Candidate Starts for STLscum_32:

(Start: 264 @24912 has 216 MA's), (287, 24993), (313, 25059), (343, 25128), (360, 25176), (368, 25203), (385, 25281), (397, 25317), (417, 25389), (491, 25695), (511, 25806), (526, 25869), (546, 25956), (587, 26112), (599, 26172), (625, 26298), (640, 26343), (653, 26385), (661, 26427), (696, 26649), (704, 26706),

Gene: Saal_18 Start: 17383, Stop: 19920, Start Num: 45

Candidate Starts for Saal_18:

(Start: 45 @17383 has 236 MA's), (54, 17404), (Start: 61 @17425 has 1 MA's), (74, 17464), (109, 17533), (118, 17542), (120, 17545), (127, 17563), (154, 17611), (204, 17764), (208, 17773), (228, 17818), (246, 17896), (252, 17920), (265, 17986), (275, 18031), (284, 18061), (286, 18067), (288, 18085), (298, 18109), (301, 18118), (314, 18151), (316, 18157), (327, 18187), (343, 18226), (348, 18247), (353, 18262), (354, 18265), (382, 18379), (383, 18388), (384, 18394), (389, 18412), (397, 18433), (407, 18463), (410, 18475), (417, 18508), (441, 18619), (442, 18622), (448, 18649), (449, 18655), (462, 18709), (463, 18712), (489, 18799), (491, 18814), (494, 18829), (512, 18919), (515, 18940), (517, 18949), (534, 19009), (535, 19012), (543, 19048), (546, 19066), (551, 19078), (554, 19087), (560, 19114), (580, 19183), (584, 19201), (586, 19210), (587, 19222), (593, 19258), (600, 19288), (607, 19309), (614, 19333), (620, 19369), (627, 19423), (644, 19525), (663, 19603), (674, 19660), (678, 19684), (685, 19738), (689, 19786), (699, 19828), (703, 19861), (704, 19864),

Gene: Sabbb_19 Start: 17625, Stop: 20168, Start Num: 45

Candidate Starts for Sabbb_19:

(Start: 45 @17625 has 236 MA's), (54, 17646), (Start: 61 @17667 has 1 MA's), (74, 17706), (109, 17775), (118, 17784), (120, 17787), (127, 17805), (154, 17853), (168, 17901), (207, 18012), (208, 18015), (224, 18048), (228, 18060), (246, 18138), (259, 18204), (267, 18237), (279, 18291), (284, 18303), (300, 18357), (301, 18360), (304, 18369), (317, 18402), (333, 18441), (335, 18444), (342, 18459), (343, 18462), (350, 18489), (352, 18495), (353, 18498), (354, 18501), (362, 18528), (366, 18546), (367, 18549), (383, 18624), (387, 18645), (389, 18648), (398, 18675), (407, 18699), (417, 18744), (418, 18747), (428, 18798), (442, 18861), (444, 18870), (449, 18894), (480, 18999), (481, 19002), (491, 19053), (492, 19059), (493, 19065), (494, 19068), (504, 19113), (506, 19128), (511, 19155), (515, 19179), (529, 19230), (534, 19248), (535, 19251), (536, 19263), (551, 19317), (584, 19440), (595, 19503), (612, 19566), (622, 19641), (665, 19842), (698, 20070), (703, 20109), (704, 20112),

Gene: Sagefire_32 Start: 24945, Stop: 26798, Start Num: 264

Candidate Starts for Sagefire_32:

(Start: 264 @24945 has 216 MA's), (287, 25026), (313, 25092), (343, 25161), (360, 25209), (368, 25236), (385, 25314), (397, 25350), (410, 25389), (417, 25422), (426, 25473), (491, 25728), (526, 25902), (546, 25989), (587, 26145), (640, 26376), (653, 26418), (661, 26460), (696, 26682), (704, 26739),

Gene: Saints25_27 Start: 21945, Stop: 24341, Start Num: 81

Candidate Starts for Saints25_27:

(Start: 81 @21945 has 128 MA's), (163, 22122), (171, 22143), (238, 22290), (267, 22431), (274, 22464), (284, 22497), (292, 22533), (327, 22626), (348, 22686), (354, 22704), (385, 22836), (399, 22881), (432, 23013), (441, 23058), (456, 23118), (488, 23232), (491, 23253), (500, 23292), (504, 23313), (506, 23328), (541, 23478), (543, 23484), (546, 23502), (561, 23556), (584, 23640), (605, 23733), (656, 23979), (689, 24195), (701, 24279), (708, 24312),

Gene: SamuelLPlaqson_27 Start: 20840, Stop: 23272, Start Num: 88

Candidate Starts for SamuelLPlaqson_27:

(Start: 81 @20822 has 128 MA's), (Start: 88 @20840 has 96 MA's), (107, 20888), (137, 20939), (223, 21200), (230, 21221), (282, 21458), (283, 21461), (289, 21491), (291, 21494), (320, 21563), (329, 21587), (330, 21593), (334, 21599), (345, 21632), (381, 21785), (391, 21842), (395, 21851), (410,

21902), (446, 22082), (450, 22097), (466, 22166), (469, 22178), (480, 22214), (486, 22241), (494, 22283), (504, 22322), (505, 22328), (506, 22337), (510, 22358), (525, 22418), (534, 22451), (537, 22469), (554, 22535), (563, 22577), (584, 22649), (586, 22658), (591, 22679), (606, 22751), (627, 22868), (657, 23015), (671, 23096), (682, 23171), (689, 23243),

Gene: Sandaddy_30 Start: 24058, Stop: 25911, Start Num: 264

Candidate Starts for Sandaddy_30:

(Start: 264 @24058 has 216 MA's), (287, 24139), (313, 24205), (343, 24274), (360, 24322), (368, 24349), (385, 24427), (417, 24535), (491, 24841), (526, 25015), (546, 25102), (587, 25258), (625, 25444), (640, 25489), (653, 25531), (661, 25573), (696, 25795), (699, 25816), (704, 25852),

Gene: Sandalphon_19 Start: 17954, Stop: 20491, Start Num: 45

Candidate Starts for Sandalphon_19:

(41, 17942), (Start: 45 @17954 has 236 MA's), (54, 17975), (Start: 61 @17996 has 1 MA's), (74, 18035), (109, 18104), (118, 18113), (120, 18116), (149, 18167), (154, 18182), (168, 18230), (207, 18341), (208, 18344), (222, 18374), (227, 18386), (228, 18389), (246, 18467), (252, 18491), (265, 18557), (275, 18602), (284, 18632), (286, 18638), (288, 18656), (298, 18680), (301, 18689), (314, 18722), (316, 18728), (327, 18758), (343, 18797), (345, 18809), (348, 18818), (353, 18833), (354, 18836), (381, 18947), (382, 18950), (383, 18959), (384, 18965), (387, 18980), (389, 18983), (397, 19004), (407, 19034), (410, 19046), (417, 19079), (441, 19190), (442, 19193), (448, 19220), (449, 19226), (462, 19280), (463, 19283), (491, 19385), (493, 19397), (494, 19400), (507, 19466), (512, 19490), (515, 19511), (517, 19520), (534, 19580), (535, 19583), (543, 19619), (546, 19637), (551, 19649), (554, 19658), (560, 19685), (580, 19754), (584, 19772), (586, 19781), (587, 19793), (593, 19829), (600, 19859), (607, 19880), (614, 19904), (620, 19940), (627, 19994), (638, 20054), (644, 20096), (663, 20174), (674, 20231), (678, 20255), (685, 20309), (689, 20357), (699, 20399), (700, 20423), (701, 20426),

Gene: Sanya_30 Start: 24742, Stop: 26595, Start Num: 264

Candidate Starts for Sanya_30:

(Start: 264 @24742 has 216 MA's), (266, 24760), (287, 24823), (313, 24889), (343, 24958), (360, 25006), (368, 25033), (377, 25069), (385, 25111), (397, 25147), (417, 25219), (491, 25525), (526, 25699), (546, 25786), (587, 25942), (640, 26173), (653, 26215), (661, 26257), (696, 26479), (704, 26536),

Gene: SarFire_31 Start: 24220, Stop: 26073, Start Num: 264

Candidate Starts for SarFire_31:

(Start: 264 @24220 has 216 MA's), (287, 24301), (313, 24367), (343, 24436), (344, 24439), (360, 24484), (368, 24511), (377, 24547), (385, 24589), (397, 24625), (417, 24697), (491, 25003), (526, 25177), (546, 25264), (587, 25420), (625, 25606), (640, 25651), (653, 25693), (661, 25735), (696, 25957), (704, 26014),

Gene: Sassafras_18 Start: 17532, Stop: 20069, Start Num: 45

Candidate Starts for Sassafras_18:

(Start: 45 @17532 has 236 MA's), (54, 17553), (Start: 61 @17574 has 1 MA's), (74, 17613), (109, 17682), (118, 17691), (120, 17694), (127, 17712), (154, 17760), (168, 17808), (207, 17919), (208, 17922), (228, 17967), (246, 18045), (252, 18069), (265, 18135), (284, 18210), (286, 18216), (288, 18234), (298, 18258), (301, 18267), (314, 18300), (316, 18306), (327, 18336), (336, 18357), (345, 18387), (348, 18396), (377, 18504), (380, 18516), (381, 18525), (382, 18528), (384, 18543), (387, 18558), (389, 18561), (397, 18582), (410, 18624), (417, 18657), (441, 18768), (442, 18771), (448, 18798), (449, 18804), (462, 18858), (463, 18861), (474, 18888), (491, 18963), (493, 18975), (494, 18978), (507, 19044), (511, 19065), (512, 19068), (515, 19089), (517, 19098), (529, 19140), (534, 19158), (535, 19161), (541, 19191), (546, 19215), (551, 19227), (554, 19236), (580, 19332), (584, 19350), (586, 19359), (587, 19371), (593, 19407), (600, 19437), (605, 19446), (607, 19458), (620,

19518), (627, 19572), (638, 19632), (644, 19674), (674, 19809), (678, 19833), (685, 19887), (689, 19935), (699, 19977), (700, 20001), (701, 20004),

Gene: Sassay_25 Start: 21788, Stop: 24184, Start Num: 81

Candidate Starts for Sassay_25:

(Start: 81 @21788 has 128 MA's), (163, 21965), (171, 21986), (238, 22133), (267, 22274), (274, 22307), (284, 22340), (292, 22376), (327, 22469), (348, 22529), (354, 22547), (385, 22679), (399, 22724), (432, 22856), (441, 22901), (456, 22961), (488, 23075), (491, 23096), (500, 23135), (504, 23156), (506, 23171), (541, 23321), (543, 23327), (546, 23345), (561, 23399), (584, 23483), (605, 23576), (656, 23822), (689, 24038), (701, 24122), (708, 24155),

Gene: SassyB_18 Start: 17445, Stop: 19982, Start Num: 45

Candidate Starts for SassyB_18:

(41, 17433), (Start: 45 @17445 has 236 MA's), (54, 17466), (Start: 61 @17487 has 1 MA's), (74, 17526), (109, 17595), (118, 17604), (120, 17607), (127, 17625), (149, 17658), (154, 17673), (207, 17832), (208, 17835), (228, 17880), (246, 17958), (252, 17982), (265, 18048), (284, 18123), (286, 18129), (288, 18147), (298, 18171), (300, 18177), (301, 18180), (314, 18213), (316, 18219), (327, 18249), (336, 18270), (345, 18300), (348, 18309), (371, 18390), (383, 18450), (384, 18456), (387, 18471), (389, 18474), (397, 18495), (410, 18537), (417, 18570), (418, 18573), (448, 18711), (449, 18717), (462, 18771), (463, 18774), (474, 18801), (491, 18876), (493, 18888), (494, 18891), (507, 18957), (512, 18981), (515, 19002), (517, 19011), (534, 19071), (535, 19074), (543, 19110), (546, 19128), (554, 19149), (580, 19245), (584, 19263), (586, 19272), (587, 19284), (593, 19320), (600, 19350), (620, 19431), (627, 19485), (644, 19587), (674, 19722), (678, 19746), (685, 19800), (689, 19848), (699, 19890), (700, 19914), (701, 19917),

Gene: Scarlett_26 Start: 20115, Stop: 22574, Start Num: 88

Candidate Starts for Scarlett_26:

(Start: 88 @20115 has 96 MA's), (107, 20163), (160, 20286), (180, 20343), (184, 20355), (211, 20448), (221, 20472), (235, 20523), (270, 20685), (300, 20796), (310, 20835), (320, 20859), (361, 20982), (377, 21054), (393, 21141), (415, 21222), (436, 21324), (446, 21378), (460, 21438), (482, 21516), (483, 21528), (486, 21537), (494, 21579), (504, 21624), (506, 21639), (528, 21726), (533, 21750), (542, 21789), (548, 21822), (563, 21879), (591, 21990), (593, 22014), (598, 22035), (612, 22086), (632, 22215), (658, 22320), (689, 22545),

Gene: Schatzie_36 Start: 29251, Stop: 31179, Start Num: 258

Candidate Starts for Schatzie_36:

(Start: 258 @29251 has 23 MA's), (341, 29497), (381, 29635), (389, 29671), (407, 29719), (441, 29875), (462, 29965), (477, 30004), (491, 30070), (493, 30082), (494, 30085), (501, 30115), (512, 30175), (546, 30322), (554, 30343), (584, 30460), (594, 30520), (599, 30541), (617, 30619), (642, 30757), (653, 30805), (665, 30865), (675, 30919), (684, 30985), (696, 31066),

Gene: SchoolBus_58 Start: 36090, Stop: 38600, Start Num: 66

Candidate Starts for SchoolBus_58:

(Start: 66 @36090 has 33 MA's), (73, 36123), (105, 36192), (106, 36195), (119, 36219), (130, 36243), (144, 36267), (155, 36300), (211, 36507), (217, 36519), (218, 36522), (255, 36669), (259, 36699), (265, 36723), (272, 36753), (273, 36756), (281, 36783), (288, 36807), (300, 36837), (320, 36894), (329, 36918), (343, 36954), (345, 36966), (353, 36990), (354, 36993), (366, 37035), (387, 37131), (389, 37134), (453, 37389), (491, 37533), (504, 37593), (514, 37665), (515, 37668), (540, 37764), (584, 37938), (587, 37959), (610, 38052), (613, 38064), (627, 38154), (653, 38229), (662, 38274), (693, 38475), (700, 38529), (704, 38544),

Gene: Schuy_59 Start: 35881, Stop: 38391, Start Num: 66

Candidate Starts for Schuy_59:

(Start: 66 @35881 has 33 MA's), (73, 35914), (105, 35983), (106, 35986), (119, 36010), (130, 36034), (144, 36058), (155, 36091), (211, 36298), (217, 36310), (218, 36313), (255, 36460), (259, 36490), (265, 36514), (272, 36544), (273, 36547), (281, 36574), (288, 36598), (300, 36628), (320, 36685), (329, 36709), (343, 36745), (345, 36757), (353, 36781), (354, 36784), (366, 36826), (387, 36922), (389, 36925), (453, 37180), (491, 37324), (504, 37384), (514, 37456), (515, 37459), (540, 37555), (584, 37729), (587, 37750), (610, 37843), (613, 37855), (627, 37945), (653, 38020), (662, 38065), (693, 38266), (700, 38320), (704, 38335),

Gene: Scottish_19 Start: 18701, Stop: 21238, Start Num: 45

Candidate Starts for Scottish_19:

(41, 18689), (Start: 45 @18701 has 236 MA's), (54, 18722), (Start: 61 @18743 has 1 MA's), (74, 18782), (109, 18851), (118, 18860), (120, 18863), (127, 18881), (154, 18929), (168, 18977), (207, 19088), (208, 19091), (228, 19136), (246, 19214), (252, 19238), (265, 19304), (275, 19349), (284, 19379), (286, 19385), (288, 19403), (298, 19427), (301, 19436), (314, 19469), (316, 19475), (327, 19505), (343, 19544), (345, 19556), (348, 19565), (353, 19580), (354, 19583), (381, 19694), (382, 19697), (383, 19706), (384, 19712), (387, 19727), (389, 19730), (397, 19751), (407, 19781), (410, 19793), (417, 19826), (441, 19937), (442, 19940), (448, 19967), (449, 19973), (462, 20027), (463, 20030), (491, 20132), (493, 20144), (494, 20147), (507, 20213), (512, 20237), (515, 20258), (517, 20267), (534, 20327), (535, 20330), (543, 20366), (546, 20384), (554, 20405), (560, 20432), (580, 20501), (584, 20519), (586, 20528), (587, 20540), (593, 20576), (607, 20627), (612, 20645), (620, 20687), (627, 20741), (644, 20843), (674, 20978), (678, 21002), (685, 21056), (694, 21125), (700, 21170), (701, 21173),

Gene: SeaLumen_19 Start: 17446, Stop: 19983, Start Num: 45

Candidate Starts for SeaLumen_19:

(Start: 45 @17446 has 236 MA's), (54, 17467), (Start: 61 @17488 has 1 MA's), (72, 17524), (74, 17527), (109, 17596), (118, 17605), (120, 17608), (127, 17626), (149, 17659), (154, 17674), (168, 17722), (204, 17827), (207, 17833), (208, 17836), (227, 17878), (228, 17881), (252, 17983), (265, 18049), (275, 18094), (284, 18124), (286, 18130), (288, 18148), (298, 18172), (301, 18181), (314, 18214), (316, 18220), (336, 18271), (343, 18289), (345, 18301), (348, 18310), (353, 18325), (355, 18331), (381, 18439), (383, 18451), (384, 18457), (387, 18472), (389, 18475), (397, 18496), (407, 18526), (410, 18538), (417, 18571), (432, 18637), (441, 18682), (442, 18685), (448, 18712), (449, 18718), (462, 18772), (463, 18775), (489, 18862), (491, 18877), (493, 18889), (494, 18892), (507, 18958), (515, 19003), (517, 19012), (534, 19072), (535, 19075), (543, 19111), (546, 19129), (551, 19141), (554, 19150), (560, 19177), (580, 19246), (584, 19264), (586, 19273), (587, 19285), (593, 19321), (600, 19351), (607, 19372), (614, 19396), (620, 19432), (627, 19486), (638, 19546), (644, 19588), (663, 19666), (674, 19723), (678, 19747), (685, 19801), (689, 19849), (699, 19891), (700, 19915), (701, 19918),

Gene: Seabastian_18 Start: 17634, Stop: 20171, Start Num: 45

Candidate Starts for Seabastian_18:

(Start: 45 @17634 has 236 MA's), (54, 17655), (Start: 61 @17676 has 1 MA's), (74, 17715), (109, 17784), (118, 17793), (120, 17796), (127, 17814), (154, 17862), (207, 18021), (208, 18024), (227, 18066), (228, 18069), (246, 18147), (251, 18168), (252, 18171), (265, 18237), (267, 18246), (275, 18282), (284, 18312), (286, 18318), (298, 18360), (300, 18366), (301, 18369), (314, 18402), (316, 18408), (327, 18438), (336, 18459), (345, 18489), (348, 18498), (377, 18606), (380, 18618), (381, 18627), (382, 18630), (383, 18639), (384, 18645), (387, 18660), (389, 18663), (397, 18684), (410, 18726), (417, 18759), (448, 18900), (449, 18906), (462, 18960), (463, 18963), (474, 18990), (491, 19065), (493, 19077), (494, 19080), (507, 19146), (511, 19167), (512, 19170), (515, 19191), (529, 19242), (534, 19260), (535, 19263), (541, 19293), (546, 19317), (551, 19329), (580, 19434), (584, 19452), (586, 19461), (587, 19473), (593, 19509), (600, 19539), (607, 19560), (614, 19584), (620, 19620), (638, 19734), (644, 19776), (663, 19854), (674, 19911), (678, 19935), (685, 19989), (689, 20037), (699, 20079), (700, 20103), (701, 20106),

Gene: Seabiscuit_33 Start: 24126, Stop: 25979, Start Num: 264

Candidate Starts for Seabiscuit_33:

(Start: 264 @24126 has 216 MA's), (287, 24207), (313, 24273), (343, 24342), (360, 24390), (368, 24417), (377, 24453), (385, 24495), (397, 24531), (417, 24603), (491, 24909), (509, 25011), (526, 25083), (546, 25170), (587, 25326), (640, 25557), (653, 25599), (661, 25641), (696, 25863), (699, 25884), (704, 25920),

Gene: Seagreen_19 Start: 17241, Stop: 19778, Start Num: 45

Candidate Starts for Seagreen_19:

(41, 17229), (Start: 45 @17241 has 236 MA's), (54, 17262), (Start: 61 @17283 has 1 MA's), (74, 17322), (109, 17391), (118, 17400), (120, 17403), (127, 17421), (149, 17454), (154, 17469), (168, 17517), (204, 17622), (207, 17628), (208, 17631), (227, 17673), (228, 17676), (246, 17754), (252, 17778), (265, 17844), (275, 17889), (284, 17919), (286, 17925), (288, 17943), (298, 17967), (301, 17976), (314, 18009), (316, 18015), (327, 18045), (343, 18084), (345, 18096), (348, 18105), (353, 18120), (354, 18123), (381, 18234), (382, 18237), (383, 18246), (384, 18252), (387, 18267), (389, 18270), (397, 18291), (407, 18321), (410, 18333), (417, 18366), (441, 18477), (442, 18480), (448, 18507), (449, 18513), (462, 18567), (463, 18570), (491, 18672), (493, 18684), (494, 18687), (507, 18753), (512, 18777), (515, 18798), (517, 18807), (534, 18867), (535, 18870), (543, 18906), (546, 18924), (551, 18936), (554, 18945), (560, 18972), (580, 19041), (584, 19059), (586, 19068), (587, 19080), (593, 19116), (600, 19146), (607, 19167), (614, 19191), (620, 19227), (627, 19281), (638, 19341), (644, 19383), (663, 19461), (674, 19518), (678, 19542), (685, 19596), (689, 19644), (699, 19686), (700, 19710), (701, 19713),

Gene: Seanderson_32 Start: 24600, Stop: 26453, Start Num: 264

Candidate Starts for Seanderson_32:

(Start: 264 @24600 has 216 MA's), (287, 24681), (297, 24705), (313, 24747), (343, 24816), (360, 24864), (368, 24891), (385, 24969), (397, 25005), (417, 25077), (491, 25383), (526, 25557), (546, 25644), (587, 25800), (640, 26031), (653, 26073), (661, 26115), (696, 26337), (704, 26394),

Gene: Shaboozey_30 Start: 25923, Stop: 28418, Start Num: 45

Candidate Starts for Shaboozey_30:

(Start: 45 @25923 has 236 MA's), (127, 26118), (149, 26154), (154, 26169), (186, 26256), (190, 26271), (208, 26307), (212, 26313), (230, 26346), (233, 26358), (272, 26529), (275, 26538), (284, 26562), (300, 26616), (314, 26652), (316, 26658), (327, 26688), (339, 26718), (345, 26739), (348, 26748), (353, 26763), (372, 26832), (389, 26913), (392, 26922), (399, 26943), (400, 26946), (410, 26976), (418, 27012), (428, 27063), (430, 27072), (432, 27075), (438, 27102), (440, 27111), (444, 27132), (462, 27210), (463, 27213), (485, 27285), (492, 27321), (493, 27327), (503, 27369), (504, 27375), (511, 27417), (512, 27420), (515, 27441), (516, 27447), (517, 27450), (526, 27480), (559, 27621), (561, 27630), (563, 27639), (574, 27672), (580, 27696), (581, 27699), (584, 27714), (587, 27735), (593, 27771), (595, 27777), (596, 27783), (601, 27804), (610, 27831), (631, 27966), (643, 28038), (645, 28044), (656, 28062), (674, 28161), (689, 28278), (702, 28359), (704, 28362), (708, 28389),

Gene: ShamWow_26 Start: 22284, Stop: 24680, Start Num: 81

Candidate Starts for ShamWow_26:

(Start: 81 @22284 has 128 MA's), (163, 22461), (171, 22482), (238, 22629), (267, 22770), (274, 22803), (284, 22836), (292, 22872), (327, 22965), (348, 23025), (354, 23043), (392, 23199), (399, 23220), (428, 23340), (432, 23352), (441, 23397), (491, 23592), (494, 23607), (504, 23652), (506, 23667), (543, 23823), (546, 23841), (549, 23850), (584, 23979), (585, 23982), (626, 24192), (628, 24204), (656, 24318), (689, 24534), (701, 24618), (706, 24642), (708, 24651),

Gene: Shauna1_18 Start: 17450, Stop: 19927, Start Num: 45

Candidate Starts for Shauna1_18:

(42, 17438), (Start: 45 @17450 has 236 MA's), (54, 17471), (Start: 61 @17492 has 1 MA's), (75, 17531), (109, 17600), (118, 17609), (120, 17612), (127, 17630), (149, 17663), (154, 17678), (186, 17765), (190, 17780), (208, 17816), (212, 17822), (230, 17855), (233, 17867), (272, 18038), (275, 18047), (284, 18071), (300, 18125), (314, 18161), (316, 18167), (327, 18197), (339, 18227), (345, 18248), (348, 18257), (372, 18341), (384, 18404), (389, 18422), (392, 18431), (399, 18452), (400, 18455), (407, 18473), (410, 18485), (416, 18512), (418, 18521), (428, 18572), (430, 18581), (432, 18584), (438, 18611), (440, 18620), (444, 18641), (462, 18719), (463, 18722), (492, 18830), (493, 18836), (504, 18884), (511, 18926), (512, 18929), (515, 18950), (516, 18956), (517, 18959), (526, 18989), (559, 19130), (563, 19148), (574, 19181), (580, 19205), (581, 19208), (584, 19223), (587, 19244), (593, 19280), (595, 19286), (601, 19313), (610, 19340), (631, 19475), (641, 19523), (643, 19547), (656, 19571), (674, 19670), (677, 19691), (680, 19709), (689, 19787), (694, 19808), (704, 19871), (706, 19889), (712, 19907),

Gene: ShereKhan_28 Start: 23267, Stop: 25663, Start Num: 81

Candidate Starts for ShereKhan_28:

(Start: 81 @23267 has 128 MA's), (163, 23444), (171, 23465), (238, 23612), (267, 23753), (274, 23786), (284, 23819), (292, 23855), (327, 23948), (348, 24008), (354, 24026), (385, 24158), (399, 24203), (432, 24335), (441, 24380), (456, 24440), (488, 24554), (491, 24575), (500, 24614), (504, 24635), (506, 24650), (541, 24800), (543, 24806), (546, 24824), (561, 24878), (584, 24962), (605, 25055), (656, 25301), (689, 25517), (701, 25601), (708, 25634),

Gene: ShiLan_18 Start: 17405, Stop: 19957, Start Num: 45

Candidate Starts for ShiLan_18:

(Start: 45 @17405 has 236 MA's), (74, 17486), (109, 17555), (118, 17564), (120, 17567), (127, 17585), (154, 17633), (167, 17678), (207, 17792), (208, 17795), (215, 17807), (224, 17828), (227, 17837), (228, 17840), (241, 17888), (246, 17918), (259, 17984), (267, 18017), (275, 18053), (282, 18077), (300, 18137), (301, 18140), (307, 18158), (333, 18221), (335, 18224), (343, 18242), (348, 18263), (354, 18281), (362, 18308), (367, 18329), (376, 18362), (383, 18404), (384, 18410), (385, 18413), (389, 18428), (398, 18455), (399, 18458), (407, 18479), (410, 18491), (417, 18524), (438, 18617), (462, 18725), (472, 18749), (474, 18755), (479, 18773), (480, 18776), (485, 18800), (491, 18830), (497, 18854), (504, 18890), (505, 18896), (506, 18905), (511, 18932), (523, 18995), (529, 19019), (530, 19034), (541, 19076), (555, 19127), (581, 19223), (584, 19238), (586, 19247), (590, 19271), (605, 19334), (614, 19370), (670, 19676), (678, 19721), (689, 19823),

Gene: ShiaSurprise_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for ShiaSurprise_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Shida_58 Start: 35788, Stop: 38298, Start Num: 66

Candidate Starts for Shida_58:

(Start: 66 @35788 has 33 MA's), (73, 35821), (105, 35890), (106, 35893), (119, 35917), (130, 35941), (144, 35965), (155, 35998), (211, 36205), (217, 36217), (218, 36220), (255, 36367), (259, 36397), (265, 36421), (272, 36451), (273, 36454), (281, 36481), (288, 36505), (300, 36535), (320, 36592), (343, 36652), (345, 36664), (353, 36688), (354, 36691), (366, 36733), (387, 36829), (389, 36832), (453, 37087), (491, 37231), (504, 37291), (514, 37363), (515, 37366), (540, 37462), (584, 37636), (587, 37657), (610, 37750), (613, 37762), (627, 37852), (653, 37927), (662, 37972), (693, 38173), (700, 38227), (704, 38242),

Gene: Shipwreck_20 Start: 18739, Stop: 21243, Start Num: 66

Candidate Starts for Shipwreck_20:

(Start: 66 @18739 has 33 MA's), (130, 18892), (251, 19297), (255, 19312), (259, 19342), (261, 19348), (265, 19366), (298, 19474), (316, 19525), (354, 19636), (355, 19639), (366, 19678), (375, 19711), (389, 19777), (410, 19837), (416, 19864), (417, 19870), (491, 20176), (504, 20236), (510, 20284), (511, 20287), (514, 20308), (515, 20311), (584, 20572), (612, 20695), (613, 20698), (627, 20788), (644, 20845), (653, 20866), (665, 20926), (695, 21127), (700, 21169),

Gene: ShortQueendom_30 Start: 24040, Stop: 25893, Start Num: 264

Candidate Starts for ShortQueendom_30:

(Start: 264 @24040 has 216 MA's), (287, 24121), (313, 24187), (343, 24256), (360, 24304), (368, 24331), (385, 24409), (397, 24445), (417, 24517), (491, 24823), (526, 24997), (546, 25084), (576, 25183), (587, 25240), (599, 25300), (640, 25471), (653, 25513), (661, 25555), (696, 25777), (704, 25834),

Gene: ShowerHandel_18 Start: 17406, Stop: 19958, Start Num: 45

Candidate Starts for ShowerHandel_18:

(Start: 45 @17406 has 236 MA's), (74, 17487), (109, 17556), (118, 17565), (120, 17568), (127, 17586), (154, 17634), (167, 17679), (207, 17793), (208, 17796), (215, 17808), (224, 17829), (227, 17838), (228, 17841), (241, 17889), (246, 17919), (259, 17985), (267, 18018), (275, 18054), (282, 18078), (300, 18138), (301, 18141), (307, 18159), (333, 18222), (335, 18225), (343, 18243), (348, 18264), (354, 18282), (362, 18309), (367, 18330), (376, 18363), (383, 18405), (384, 18411), (385, 18414), (389, 18429), (398, 18456), (399, 18459), (407, 18480), (410, 18492), (417, 18525), (438, 18618), (462, 18726), (472, 18750), (474, 18756), (479, 18774), (480, 18777), (485, 18801), (491, 18831), (497, 18855), (504, 18891), (505, 18897), (506, 18906), (511, 18933), (523, 18996), (529, 19020), (530, 19035), (541, 19077), (555, 19128), (581, 19224), (584, 19239), (586, 19248), (590, 19272), (605, 19335), (614, 19371), (670, 19677), (678, 19722), (689, 19824),

Gene: ShroomBoi_18 Start: 17435, Stop: 19912, Start Num: 45

Candidate Starts for ShroomBoi_18:

(Start: 45 @17435 has 236 MA's), (54, 17456), (Start: 61 @17477 has 1 MA's), (75, 17516), (109, 17585), (118, 17594), (120, 17597), (127, 17615), (154, 17663), (186, 17750), (190, 17765), (208, 17801), (212, 17807), (230, 17840), (233, 17852), (272, 18023), (275, 18032), (284, 18056), (300, 18110), (314, 18146), (316, 18152), (327, 18182), (339, 18212), (345, 18233), (348, 18242), (353, 18257), (372, 18326), (389, 18407), (392, 18416), (400, 18440), (410, 18470), (418, 18506), (428, 18557), (430, 18566), (432, 18569), (438, 18596), (440, 18605), (444, 18626), (462, 18704), (492, 18815), (493, 18821), (504, 18869), (511, 18911), (512, 18914), (515, 18935), (516, 18941), (517, 18944), (526, 18974), (559, 19115), (563, 19133), (574, 19166), (580, 19190), (581, 19193), (584, 19208), (587, 19229), (593, 19265), (595, 19271), (596, 19277), (601, 19298), (610, 19325), (631, 19460), (641, 19508), (643, 19532), (645, 19538), (656, 19556), (674, 19655), (689, 19772), (702, 19853), (704, 19856), (708, 19883),

Gene: SiSi_18 Start: 17389, Stop: 19926, Start Num: 45

Candidate Starts for SiSi_18:

(41, 17377), (Start: 45 @17389 has 236 MA's), (54, 17410), (Start: 61 @17431 has 1 MA's), (74, 17470), (109, 17539), (118, 17548), (120, 17551), (127, 17569), (149, 17602), (154, 17617), (168, 17665), (207, 17776), (208, 17779), (222, 17809), (227, 17821), (228, 17824), (246, 17902), (252, 17926), (265, 17992), (275, 18037), (284, 18067), (286, 18073), (288, 18091), (298, 18115), (301, 18124), (314, 18157), (316, 18163), (327, 18193), (343, 18232), (345, 18244), (348, 18253), (353, 18268), (354, 18271), (381, 18382), (383, 18394), (384, 18400), (387, 18415), (389, 18418), (397, 18439), (407, 18469), (410, 18481), (417, 18514), (432, 18580), (441, 18625), (442, 18628), (448, 18655), (449, 18661), (462, 18715), (463, 18718), (474, 18745), (491, 18820), (493, 18832), (494,

18835), (507, 18901), (512, 18925), (517, 18955), (529, 18997), (534, 19015), (535, 19018), (543, 19054), (546, 19072), (554, 19093), (560, 19120), (580, 19189), (584, 19207), (586, 19216), (587, 19228), (593, 19264), (607, 19315), (612, 19333), (620, 19375), (627, 19429), (638, 19489), (644, 19531), (663, 19609), (674, 19666), (678, 19690), (685, 19744), (689, 19792), (700, 19858), (701, 19861),

Gene: Sibs6_33 Start: 24685, Stop: 26538, Start Num: 264

Candidate Starts for Sibs6_33:

(Start: 264 @24685 has 216 MA's), (287, 24766), (313, 24832), (343, 24901), (360, 24949), (368, 24976), (385, 25054), (397, 25090), (417, 25162), (491, 25468), (526, 25642), (546, 25729), (587, 25885), (625, 26071), (640, 26116), (653, 26158), (661, 26200), (696, 26422), (699, 26443), (704, 26479),

Gene: SilverChicken_24 Start: 17093, Stop: 19555, Start Num: 62

Candidate Starts for SilverChicken_24:

(57, 17084), (62, 17093), (89, 17153), (105, 17189), (133, 17234), (143, 17246), (161, 17288), (172, 17315), (179, 17333), (183, 17345), (192, 17378), (196, 17381), (228, 17438), (232, 17447), (240, 17483), (251, 17537), (259, 17582), (265, 17606), (267, 17615), (272, 17642), (301, 17738), (307, 17756), (314, 17771), (316, 17777), (322, 17795), (333, 17819), (350, 17867), (353, 17876), (354, 17879), (367, 17927), (371, 17942), (379, 17978), (380, 17981), (384, 18008), (385, 18011), (387, 18023), (397, 18047), (400, 18059), (407, 18077), (410, 18089), (417, 18122), (421, 18143), (438, 18215), (442, 18236), (472, 18347), (474, 18353), (479, 18371), (480, 18374), (485, 18398), (491, 18428), (497, 18452), (504, 18488), (505, 18494), (506, 18503), (511, 18530), (523, 18593), (529, 18617), (530, 18632), (541, 18674), (543, 18680), (555, 18725), (581, 18821), (584, 18836), (586, 18845), (590, 18869), (605, 18932), (614, 18968), (627, 19058), (670, 19274), (677, 19316), (678, 19319), (689, 19421),

Gene: Simpliphy_27 Start: 22029, Stop: 24425, Start Num: 81

Candidate Starts for Simpliphy_27:

(Start: 81 @22029 has 128 MA's), (163, 22206), (171, 22227), (238, 22374), (274, 22548), (284, 22581), (292, 22617), (327, 22710), (348, 22770), (354, 22788), (385, 22920), (399, 22965), (432, 23097), (441, 23142), (456, 23202), (488, 23316), (491, 23337), (500, 23376), (504, 23397), (506, 23412), (541, 23562), (543, 23568), (546, 23586), (561, 23640), (584, 23724), (605, 23817), (656, 24063), (689, 24279), (701, 24363), (708, 24396),

Gene: SimranZ1_19 Start: 17257, Stop: 19794, Start Num: 45

Candidate Starts for SimranZ1_19:

(Start: 45 @17257 has 236 MA's), (54, 17278), (Start: 61 @17299 has 1 MA's), (74, 17338), (109, 17407), (118, 17416), (120, 17419), (127, 17437), (154, 17485), (207, 17644), (208, 17647), (222, 17677), (227, 17689), (228, 17692), (246, 17770), (252, 17794), (265, 17860), (284, 17935), (286, 17941), (288, 17959), (298, 17983), (301, 17992), (314, 18025), (316, 18031), (327, 18061), (336, 18082), (343, 18100), (345, 18112), (348, 18121), (359, 18154), (381, 18250), (382, 18253), (383, 18262), (384, 18268), (387, 18283), (389, 18286), (397, 18307), (410, 18349), (417, 18382), (432, 18448), (441, 18493), (442, 18496), (448, 18523), (449, 18529), (462, 18583), (463, 18586), (474, 18613), (480, 18634), (491, 18688), (493, 18700), (494, 18703), (507, 18769), (512, 18793), (515, 18814), (517, 18823), (529, 18865), (534, 18883), (535, 18886), (543, 18922), (546, 18940), (551, 18952), (554, 18961), (560, 18988), (578, 19045), (580, 19057), (584, 19075), (586, 19084), (587, 19096), (593, 19132), (600, 19162), (607, 19183), (614, 19207), (620, 19243), (644, 19399), (674, 19534), (678, 19558), (685, 19612), (689, 19660), (700, 19726), (701, 19729),

Gene: SirDuracell_25 Start: 20950, Stop: 23346, Start Num: 81

Candidate Starts for SirDuracell_25:

(Start: 81 @20950 has 128 MA's), (163, 21127), (171, 21148), (238, 21295), (267, 21436), (274, 21469), (284, 21502), (292, 21538), (327, 21631), (348, 21691), (354, 21709), (376, 21790), (432, 22018), (441, 22063), (491, 22258), (492, 22264), (494, 22273), (504, 22318), (506, 22333), (543, 22489), (546, 22507), (549, 22516), (584, 22645), (585, 22648), (626, 22858), (628, 22870), (656, 22984), (689, 23200), (701, 23284), (706, 23308), (708, 23317),

Gene: SirPhilip_26 Start: 19755, Stop: 22217, Start Num: 88

Candidate Starts for SirPhilip_26:

(Start: 88 @19755 has 96 MA's), (96, 19782), (107, 19803), (160, 19926), (164, 19944), (181, 19986), (184, 19995), (211, 20088), (221, 20112), (329, 20523), (393, 20784), (404, 20823), (414, 20862), (415, 20865), (446, 21024), (450, 21039), (468, 21117), (471, 21123), (486, 21183), (494, 21225), (504, 21270), (505, 21276), (506, 21285), (509, 21306), (534, 21402), (538, 21423), (548, 21471), (558, 21507), (570, 21546), (584, 21597), (591, 21627), (606, 21699), (624, 21801), (627, 21816), (646, 21924), (654, 21954), (686, 22146), (690, 22191),

Gene: SkiPole_33 Start: 24424, Stop: 26277, Start Num: 264

Candidate Starts for SkiPole_33:

(Start: 264 @24424 has 216 MA's), (287, 24505), (313, 24571), (343, 24640), (344, 24643), (360, 24688), (368, 24715), (377, 24751), (385, 24793), (397, 24829), (410, 24868), (417, 24901), (426, 24952), (491, 25207), (526, 25381), (546, 25468), (587, 25624), (625, 25810), (640, 25855), (653, 25897), (661, 25939), (696, 26161), (699, 26182), (704, 26218),

Gene: Slagathor_32 Start: 24085, Stop: 25938, Start Num: 264

Candidate Starts for Slagathor_32:

(Start: 264 @24085 has 216 MA's), (287, 24166), (313, 24232), (343, 24301), (360, 24349), (368, 24376), (385, 24454), (397, 24490), (417, 24562), (491, 24868), (526, 25042), (546, 25129), (587, 25285), (625, 25471), (640, 25516), (653, 25558), (661, 25600), (673, 25660), (696, 25822), (699, 25843), (704, 25879),

Gene: Slim_19 Start: 17189, Stop: 19726, Start Num: 45

Candidate Starts for Slim_19:

(Start: 45 @17189 has 236 MA's), (54, 17210), (Start: 61 @17231 has 1 MA's), (74, 17270), (109, 17339), (118, 17348), (120, 17351), (127, 17369), (154, 17417), (204, 17570), (208, 17579), (228, 17624), (251, 17723), (252, 17726), (265, 17792), (284, 17867), (286, 17873), (288, 17891), (298, 17915), (300, 17921), (301, 17924), (314, 17957), (316, 17963), (327, 17993), (336, 18014), (345, 18044), (348, 18053), (353, 18068), (354, 18071), (381, 18182), (382, 18185), (383, 18194), (384, 18200), (387, 18215), (389, 18218), (397, 18239), (407, 18269), (410, 18281), (417, 18314), (441, 18425), (442, 18428), (448, 18455), (449, 18461), (462, 18515), (463, 18518), (491, 18620), (493, 18632), (494, 18635), (507, 18701), (512, 18725), (515, 18746), (517, 18755), (534, 18815), (535, 18818), (543, 18854), (546, 18872), (551, 18884), (554, 18893), (560, 18920), (578, 18977), (580, 18989), (584, 19007), (586, 19016), (587, 19028), (593, 19064), (600, 19094), (605, 19103), (607, 19115), (620, 19175), (627, 19229), (638, 19289), (644, 19331), (674, 19466), (678, 19490), (685, 19544), (689, 19592), (699, 19634), (700, 19658), (701, 19661),

Gene: Slimphazie_27 Start: 20879, Stop: 23311, Start Num: 88

Candidate Starts for Slimphazie_27:

(Start: 88 @20879 has 96 MA's), (137, 20978), (223, 21239), (230, 21260), (273, 21467), (283, 21500), (289, 21530), (320, 21602), (329, 21626), (345, 21671), (381, 21824), (388, 21869), (391, 21881), (395, 21890), (410, 21941), (446, 22121), (450, 22136), (466, 22205), (469, 22217), (494, 22322), (504, 22361), (505, 22367), (506, 22376), (525, 22457), (536, 22505), (555, 22580), (563, 22616), (586, 22697), (591, 22718), (611, 22811), (627, 22907), (657, 23054), (662, 23096), (671, 23135), (682, 23210),

Gene: Smairt_32 Start: 24813, Stop: 26666, Start Num: 264

Candidate Starts for Smairt_32:

(Start: 264 @24813 has 216 MA's), (287, 24894), (313, 24960), (343, 25029), (344, 25032), (360, 25077), (368, 25104), (377, 25140), (385, 25182), (397, 25218), (417, 25290), (491, 25596), (526, 25770), (546, 25857), (587, 26013), (625, 26199), (640, 26244), (653, 26286), (661, 26328), (696, 26550), (704, 26607),

Gene: Smeagol_33 Start: 25439, Stop: 27289, Start Num: 264

Candidate Starts for Smeagol_33:

(Start: 264 @25439 has 216 MA's), (287, 25520), (313, 25586), (360, 25703), (368, 25730), (389, 25823), (417, 25916), (420, 25934), (428, 25970), (441, 26027), (491, 26222), (511, 26333), (586, 26627), (587, 26639), (653, 26912), (704, 27233),

Gene: Smooch_61 Start: 37810, Stop: 40320, Start Num: 66

Candidate Starts for Smooch_61:

(Start: 66 @37810 has 33 MA's), (73, 37843), (105, 37912), (106, 37915), (119, 37939), (130, 37963), (144, 37987), (155, 38020), (211, 38227), (217, 38239), (218, 38242), (255, 38389), (259, 38419), (265, 38443), (272, 38473), (273, 38476), (281, 38503), (288, 38527), (300, 38557), (320, 38614), (343, 38674), (345, 38686), (353, 38710), (354, 38713), (366, 38755), (387, 38851), (389, 38854), (441, 39058), (453, 39109), (491, 39253), (504, 39313), (514, 39385), (515, 39388), (540, 39484), (584, 39658), (587, 39679), (610, 39772), (613, 39784), (627, 39874), (653, 39949), (662, 39994), (693, 40195), (700, 40249), (704, 40264),

Gene: Snazzy_30 Start: 23999, Stop: 25852, Start Num: 264

Candidate Starts for Snazzy_30:

(Start: 264 @23999 has 216 MA's), (287, 24080), (313, 24146), (343, 24215), (360, 24263), (368, 24290), (385, 24368), (397, 24404), (410, 24443), (417, 24476), (426, 24527), (491, 24782), (526, 24956), (546, 25043), (587, 25199), (640, 25430), (653, 25472), (661, 25514), (696, 25736), (704, 25793),

Gene: Solon_31 Start: 24711, Stop: 26564, Start Num: 264

Candidate Starts for Solon_31:

(Start: 264 @24711 has 216 MA's), (287, 24792), (313, 24858), (343, 24927), (360, 24975), (368, 25002), (385, 25080), (397, 25116), (417, 25188), (491, 25494), (526, 25668), (546, 25755), (587, 25911), (599, 25971), (625, 26097), (640, 26142), (653, 26184), (661, 26226), (696, 26448), (699, 26469), (704, 26505),

Gene: SophKB_26 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for SophKB_26:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (354, 23042), (385, 23174), (399, 23219), (432, 23351), (441, 23396), (456, 23456), (488, 23570), (491, 23591), (500, 23630), (504, 23651), (506, 23666), (541, 23816), (543, 23822), (546, 23840), (561, 23894), (584, 23978), (605, 24071), (656, 24317), (689, 24533), (701, 24617), (708, 24650),

Gene: Sorpresa_31 Start: 24058, Stop: 25911, Start Num: 264

Candidate Starts for Sorpresa_31:

(Start: 264 @24058 has 216 MA's), (287, 24139), (313, 24205), (343, 24274), (360, 24322), (368, 24349), (385, 24427), (417, 24535), (491, 24841), (526, 25015), (546, 25102), (587, 25258), (625, 25444), (640, 25489), (653, 25531), (661, 25573), (696, 25795), (699, 25816), (704, 25852),

Gene: Sotrice96_26 Start: 22239, Stop: 24635, Start Num: 81

Candidate Starts for Sotrice96_26:

(Start: 81 @22239 has 128 MA's), (163, 22416), (171, 22437), (238, 22584), (267, 22725), (274, 22758), (284, 22791), (292, 22827), (327, 22920), (348, 22980), (354, 22998), (376, 23079), (432, 23307), (441, 23352), (491, 23547), (492, 23553), (494, 23562), (504, 23607), (506, 23622), (543, 23778), (546, 23796), (549, 23805), (584, 23934), (585, 23937), (626, 24147), (628, 24159), (656, 24273), (689, 24489), (701, 24573), (706, 24597), (708, 24606),

Gene: Soul22_24 Start: 17091, Stop: 19640, Start Num: 29

Candidate Starts for Soul22_24:

(26, 17082), (Start: 29 @17091 has 7 MA's), (Start: 45 @17151 has 236 MA's), (59, 17187), (102, 17286), (168, 17427), (186, 17466), (190, 17481), (208, 17517), (212, 17523), (213, 17526), (226, 17544), (233, 17568), (240, 17592), (241, 17595), (272, 17739), (275, 17748), (284, 17772), (288, 17796), (298, 17820), (300, 17826), (307, 17847), (316, 17868), (327, 17898), (339, 17928), (345, 17949), (372, 18042), (376, 18057), (377, 18066), (381, 18087), (382, 18090), (392, 18132), (407, 18174), (408, 18177), (410, 18186), (416, 18213), (418, 18222), (424, 18261), (430, 18282), (432, 18285), (440, 18321), (444, 18342), (462, 18420), (463, 18423), (482, 18477), (493, 18537), (510, 18624), (512, 18630), (514, 18648), (515, 18651), (526, 18687), (539, 18741), (541, 18750), (559, 18828), (563, 18846), (575, 18882), (576, 18885), (580, 18903), (581, 18906), (584, 18921), (593, 18978), (596, 18990), (614, 19053), (620, 19086), (631, 19173), (641, 19221), (643, 19245), (651, 19272), (656, 19281), (662, 19320), (669, 19359), (674, 19383), (677, 19404), (689, 19500), (694, 19521), (704, 19584), (708, 19611), (712, 19620),

Gene: Sparkdehlily_18 Start: 17429, Stop: 19966, Start Num: 45

Candidate Starts for Sparkdehlily_18:

(Start: 45 @17429 has 236 MA's), (54, 17450), (Start: 61 @17471 has 1 MA's), (74, 17510), (109, 17579), (118, 17588), (120, 17591), (127, 17609), (154, 17657), (204, 17810), (208, 17819), (228, 17864), (246, 17942), (252, 17966), (265, 18032), (275, 18077), (284, 18107), (286, 18113), (288, 18131), (298, 18155), (301, 18164), (314, 18197), (316, 18203), (327, 18233), (343, 18272), (348, 18293), (353, 18308), (354, 18311), (382, 18425), (383, 18434), (384, 18440), (389, 18458), (397, 18479), (407, 18509), (410, 18521), (417, 18554), (441, 18665), (442, 18668), (448, 18695), (449, 18701), (462, 18755), (463, 18758), (489, 18845), (491, 18860), (494, 18875), (512, 18965), (515, 18986), (517, 18995), (534, 19055), (535, 19058), (543, 19094), (546, 19112), (551, 19124), (554, 19133), (560, 19160), (580, 19229), (584, 19247), (586, 19256), (587, 19268), (593, 19304), (600, 19334), (607, 19355), (614, 19379), (620, 19415), (627, 19469), (644, 19571), (663, 19649), (674, 19706), (678, 19730), (685, 19784), (689, 19832), (699, 19874), (703, 19907), (704, 19910),

Gene: Spartacus_19 Start: 17481, Stop: 20018, Start Num: 45

Candidate Starts for Spartacus_19:

(Start: 45 @17481 has 236 MA's), (83, 17571), (109, 17631), (118, 17640), (120, 17643), (127, 17661), (149, 17694), (154, 17709), (168, 17757), (207, 17868), (208, 17871), (222, 17901), (228, 17916), (246, 17994), (265, 18084), (275, 18129), (284, 18159), (286, 18165), (288, 18183), (298, 18207), (301, 18216), (314, 18249), (316, 18255), (327, 18285), (343, 18324), (345, 18336), (348, 18345), (353, 18360), (354, 18363), (381, 18474), (382, 18477), (383, 18486), (384, 18492), (387, 18507), (389, 18510), (397, 18531), (407, 18561), (410, 18573), (417, 18606), (441, 18717), (442, 18720), (448, 18747), (449, 18753), (462, 18807), (463, 18810), (489, 18897), (491, 18912), (493, 18924), (494, 18927), (507, 18993), (515, 19038), (517, 19047), (534, 19107), (535, 19110), (543, 19146), (546, 19164), (551, 19176), (554, 19185), (560, 19212), (580, 19281), (584, 19299), (586, 19308), (587, 19320), (593, 19356), (600, 19386), (607, 19407), (614, 19431), (620, 19467), (627, 19521), (638, 19581), (644, 19623), (663, 19701), (674, 19758), (678, 19782), (685, 19836), (689, 19884), (699, 19926), (700, 19950), (701, 19953),

Gene: SpikeBT_33 Start: 25016, Stop: 26869, Start Num: 264

Candidate Starts for SpikeBT_33:

(Start: 264 @25016 has 216 MA's), (287, 25097), (313, 25163), (343, 25232), (360, 25280), (368, 25307), (385, 25385), (397, 25421), (417, 25493), (491, 25799), (509, 25901), (526, 25973), (546, 26060), (587, 26216), (640, 26447), (653, 26489), (661, 26531), (696, 26753), (699, 26774), (704, 26810),

Gene: Spikelee_19 Start: 17223, Stop: 19760, Start Num: 45

Candidate Starts for Spikelee_19:

(Start: 45 @17223 has 236 MA's), (54, 17244), (Start: 61 @17265 has 1 MA's), (74, 17304), (109, 17373), (118, 17382), (120, 17385), (127, 17403), (154, 17451), (204, 17604), (208, 17613), (228, 17658), (251, 17757), (252, 17760), (265, 17826), (284, 17901), (286, 17907), (288, 17925), (298, 17949), (300, 17955), (301, 17958), (314, 17991), (316, 17997), (327, 18027), (336, 18048), (345, 18078), (348, 18087), (353, 18102), (354, 18105), (381, 18216), (382, 18219), (383, 18228), (384, 18234), (387, 18249), (389, 18252), (397, 18273), (407, 18303), (410, 18315), (417, 18348), (441, 18459), (442, 18462), (448, 18489), (449, 18495), (462, 18549), (463, 18552), (489, 18639), (491, 18654), (493, 18666), (494, 18669), (507, 18735), (512, 18759), (515, 18780), (517, 18789), (534, 18849), (535, 18852), (543, 18888), (546, 18906), (551, 18918), (554, 18927), (560, 18954), (578, 19011), (580, 19023), (584, 19041), (586, 19050), (587, 19062), (593, 19098), (600, 19128), (605, 19137), (607, 19149), (620, 19209), (627, 19263), (638, 19323), (644, 19365), (674, 19500), (678, 19524), (685, 19578), (689, 19626), (699, 19668), (700, 19692), (701, 19695),

Gene: Spock_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Spock_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Spoonbill_18 Start: 17404, Stop: 19956, Start Num: 45

Candidate Starts for Spoonbill_18:

(Start: 45 @17404 has 236 MA's), (74, 17485), (109, 17554), (118, 17563), (120, 17566), (127, 17584), (154, 17632), (167, 17677), (207, 17791), (208, 17794), (215, 17806), (224, 17827), (227, 17836), (228, 17839), (241, 17887), (246, 17917), (259, 17983), (267, 18016), (275, 18052), (282, 18076), (300, 18136), (301, 18139), (307, 18157), (333, 18220), (335, 18223), (343, 18241), (348, 18262), (354, 18280), (362, 18307), (367, 18328), (376, 18361), (383, 18403), (384, 18409), (385, 18412), (389, 18427), (398, 18454), (399, 18457), (407, 18478), (410, 18490), (417, 18523), (438, 18616), (462, 18724), (472, 18748), (474, 18754), (479, 18772), (480, 18775), (485, 18799), (491, 18829), (497, 18853), (504, 18889), (505, 18895), (506, 18904), (511, 18931), (523, 18994), (529, 19018), (530, 19033), (541, 19075), (555, 19126), (581, 19222), (584, 19237), (586, 19246), (590, 19270), (605, 19333), (614, 19369), (670, 19675), (678, 19720), (689, 19822),

Gene: Squee_32 Start: 24965, Stop: 26818, Start Num: 264

Candidate Starts for Squee_32:

(Start: 264 @24965 has 216 MA's), (287, 25046), (313, 25112), (343, 25181), (360, 25229), (368, 25256), (385, 25334), (491, 25748), (526, 25922), (546, 26009), (587, 26165), (640, 26396), (653, 26438), (661, 26480), (696, 26702), (704, 26759),

Gene: Squint_35 Start: 27671, Stop: 30178, Start Num: 45

Candidate Starts for Squint_35:

(Start: 45 @27671 has 236 MA's), (127, 27866), (149, 27902), (154, 27917), (186, 28004), (190, 28019), (230, 28094), (233, 28106), (241, 28133), (262, 28238), (272, 28277), (275, 28286), (284, 28310), (286, 28316), (288, 28334), (296, 28352), (301, 28367), (304, 28376), (307, 28385), (314,

28400), (323, 28427), (327, 28436), (343, 28475), (345, 28487), (348, 28496), (372, 28580), (389, 28661), (399, 28691), (400, 28694), (410, 28724), (416, 28751), (418, 28760), (428, 28811), (430, 28820), (432, 28823), (440, 28859), (444, 28880), (452, 28916), (492, 29069), (504, 29123), (512, 29168), (514, 29186), (515, 29189), (526, 29228), (559, 29375), (561, 29384), (581, 29453), (584, 29468), (620, 29633), (631, 29720), (641, 29768), (656, 29819), (669, 29897), (702, 30119), (704, 30122), (708, 30149),

Gene: StAnnes_18 Start: 17447, Stop: 19984, Start Num: 45

Candidate Starts for StAnnes_18:

(41, 17435), (Start: 45 @17447 has 236 MA's), (54, 17468), (Start: 61 @17489 has 1 MA's), (74, 17528), (118, 17606), (120, 17609), (127, 17627), (149, 17660), (154, 17675), (168, 17723), (207, 17834), (208, 17837), (222, 17867), (227, 17879), (228, 17882), (246, 17960), (252, 17984), (265, 18050), (275, 18095), (284, 18125), (286, 18131), (288, 18149), (298, 18173), (301, 18182), (314, 18215), (316, 18221), (327, 18251), (345, 18302), (348, 18311), (353, 18326), (354, 18329), (381, 18440), (382, 18443), (383, 18452), (384, 18458), (387, 18473), (389, 18476), (397, 18497), (407, 18527), (410, 18539), (417, 18572), (441, 18683), (442, 18686), (448, 18713), (449, 18719), (462, 18773), (463, 18776), (489, 18863), (491, 18878), (493, 18890), (494, 18893), (507, 18959), (512, 18983), (515, 19004), (517, 19013), (534, 19073), (535, 19076), (543, 19112), (546, 19130), (551, 19142), (554, 19151), (560, 19178), (580, 19247), (584, 19265), (586, 19274), (587, 19286), (593, 19322), (600, 19352), (607, 19373), (614, 19397), (620, 19433), (627, 19487), (638, 19547), (644, 19589), (663, 19667), (674, 19724), (678, 19748), (685, 19802), (689, 19850), (699, 19892), (700, 19916), (701, 19919),

Gene: StAugustine_34 Start: 31877, Stop: 33781, Start Num: 271

Candidate Starts for StAugustine_34:

(Start: 271 @31877 has 2 MA's), (305, 31988), (311, 32006), (338, 32075), (385, 32246), (409, 32321), (429, 32423), (439, 32468), (452, 32528), (457, 32552), (465, 32582), (520, 32846), (532, 32900), (545, 32963), (559, 33011), (568, 33047), (569, 33050), (573, 33062), (579, 33086), (615, 33263), (616, 33269), (623, 33314), (624, 33317), (634, 33368), (669, 33500), (689, 33644), (703, 33725), (713, 33770),

Gene: Stank_29 Start: 22790, Stop: 25186, Start Num: 81

Candidate Starts for Stank_29:

(Start: 81 @22790 has 128 MA's), (163, 22967), (171, 22988), (238, 23135), (267, 23276), (274, 23309), (284, 23342), (292, 23378), (327, 23471), (348, 23531), (354, 23549), (385, 23681), (399, 23726), (432, 23858), (441, 23903), (456, 23963), (488, 24077), (491, 24098), (500, 24137), (504, 24158), (506, 24173), (541, 24323), (543, 24329), (546, 24347), (561, 24401), (584, 24485), (605, 24578), (656, 24824), (689, 25040), (701, 25124), (708, 25157),

Gene: Stap_19 Start: 17430, Stop: 19967, Start Num: 45

Candidate Starts for Stap_19:

(Start: 45 @17430 has 236 MA's), (54, 17451), (Start: 61 @17472 has 1 MA's), (74, 17511), (109, 17580), (118, 17589), (120, 17592), (127, 17610), (149, 17643), (154, 17658), (168, 17706), (204, 17811), (207, 17817), (208, 17820), (227, 17862), (228, 17865), (252, 17967), (265, 18033), (275, 18078), (284, 18108), (286, 18114), (288, 18132), (298, 18156), (301, 18165), (314, 18198), (316, 18204), (327, 18234), (343, 18273), (345, 18285), (348, 18294), (353, 18309), (354, 18312), (381, 18423), (382, 18426), (383, 18435), (384, 18441), (387, 18456), (389, 18459), (397, 18480), (407, 18510), (410, 18522), (417, 18555), (441, 18666), (442, 18669), (448, 18696), (449, 18702), (462, 18756), (463, 18759), (491, 18861), (493, 18873), (494, 18876), (507, 18942), (512, 18966), (515, 18987), (517, 18996), (534, 19056), (535, 19059), (543, 19095), (546, 19113), (551, 19125), (554, 19134), (560, 19161), (580, 19230), (584, 19248), (586, 19257), (587, 19269), (593, 19305), (607, 19356), (612, 19374), (620, 19416), (627, 19470), (638, 19530), (644, 19572), (663, 19650), (674, 19707), (678, 19731), (685, 19785), (689, 19833), (700, 19899), (701, 19902),

Gene: Starcevich_19 Start: 17191, Stop: 19728, Start Num: 45

Candidate Starts for Starcevich_19:

(Start: 45 @17191 has 236 MA's), (54, 17212), (Start: 61 @17233 has 1 MA's), (74, 17272), (109, 17341), (118, 17350), (120, 17353), (127, 17371), (154, 17419), (204, 17572), (208, 17581), (228, 17626), (251, 17725), (252, 17728), (265, 17794), (284, 17869), (286, 17875), (288, 17893), (298, 17917), (300, 17923), (301, 17926), (314, 17959), (316, 17965), (327, 17995), (336, 18016), (345, 18046), (348, 18055), (353, 18070), (354, 18073), (381, 18184), (382, 18187), (383, 18196), (384, 18202), (387, 18217), (389, 18220), (397, 18241), (407, 18271), (410, 18283), (417, 18316), (441, 18427), (442, 18430), (448, 18457), (449, 18463), (462, 18517), (463, 18520), (491, 18622), (493, 18634), (494, 18637), (507, 18703), (512, 18727), (515, 18748), (517, 18757), (534, 18817), (535, 18820), (543, 18856), (546, 18874), (551, 18886), (554, 18895), (560, 18922), (578, 18979), (580, 18991), (584, 19009), (586, 19018), (587, 19030), (593, 19066), (600, 19096), (605, 19105), (607, 19117), (620, 19177), (627, 19231), (638, 19291), (644, 19333), (674, 19468), (678, 19492), (685, 19546), (689, 19594), (699, 19636), (700, 19660), (701, 19663),

Gene: Stargaze_22 Start: 20828, Stop: 23284, Start Num: 39

Candidate Starts for Stargaze_22:

(Start: 39 @20828 has 9 MA's), (92, 20972), (145, 21056), (156, 21086), (170, 21131), (225, 21290), (252, 21407), (330, 21629), (349, 21680), (354, 21695), (380, 21797), (396, 21863), (419, 21947), (441, 22061), (461, 22151), (465, 22166), (467, 22172), (470, 22181), (480, 22220), (486, 22247), (489, 22259), (504, 22334), (524, 22430), (529, 22442), (536, 22481), (575, 22616), (584, 22649), (586, 22658), (591, 22685), (612, 22784), (622, 22862), (633, 22922), (664, 23078), (686, 23222), (689, 23264),

Gene: Stark_27 Start: 22042, Stop: 24438, Start Num: 81

Candidate Starts for Stark_27:

(Start: 81 @22042 has 128 MA's), (163, 22219), (171, 22240), (238, 22387), (274, 22561), (284, 22594), (292, 22630), (327, 22723), (348, 22783), (354, 22801), (385, 22933), (399, 22978), (432, 23110), (441, 23155), (456, 23215), (488, 23329), (491, 23350), (500, 23389), (504, 23410), (506, 23425), (541, 23575), (543, 23581), (546, 23599), (561, 23653), (584, 23737), (605, 23830), (656, 24076), (689, 24292), (701, 24376), (708, 24409),

Gene: StellaBean_26 Start: 22283, Stop: 24679, Start Num: 81

Candidate Starts for StellaBean_26:

(Start: 81 @22283 has 128 MA's), (163, 22460), (171, 22481), (238, 22628), (267, 22769), (274, 22802), (284, 22835), (292, 22871), (327, 22964), (348, 23024), (354, 23042), (385, 23174), (399, 23219), (432, 23351), (441, 23396), (456, 23456), (488, 23570), (491, 23591), (500, 23630), (504, 23651), (506, 23666), (541, 23816), (543, 23822), (546, 23840), (561, 23894), (584, 23978), (605, 24071), (656, 24317), (689, 24533), (701, 24617), (708, 24650),

Gene: StewieG_30 Start: 23901, Stop: 25754, Start Num: 264

Candidate Starts for StewieG_30:

(Start: 264 @23901 has 216 MA's), (287, 23982), (313, 24048), (343, 24117), (360, 24165), (385, 24270), (397, 24306), (417, 24378), (491, 24684), (509, 24786), (526, 24858), (546, 24945), (587, 25101), (640, 25332), (653, 25374), (661, 25416), (662, 25419), (696, 25638), (699, 25659), (704, 25695),

Gene: Stinson_28 Start: 21121, Stop: 23553, Start Num: 88

Candidate Starts for Stinson_28:

(Start: 88 @21121 has 96 MA's), (91, 21130), (137, 21220), (223, 21481), (230, 21502), (273, 21709), (283, 21742), (289, 21772), (320, 21844), (329, 21868), (345, 21913), (381, 22066), (391, 22123), (395, 22132), (406, 22168), (410, 22183), (446, 22363), (450, 22378), (466, 22447), (469, 22459),

(486, 22522), (494, 22564), (504, 22603), (505, 22609), (506, 22618), (510, 22639), (525, 22699), (536, 22747), (551, 22807), (554, 22816), (567, 22873), (584, 22930), (586, 22939), (591, 22960), (598, 23005), (611, 23053), (627, 23149), (671, 23377), (689, 23524),

Gene: StolenFromERC_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for StolenFromERC_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: StormChicken_26 Start: 22458, Stop: 24854, Start Num: 81

Candidate Starts for StormChicken_26:

(Start: 81 @22458 has 128 MA's), (163, 22635), (171, 22656), (238, 22803), (267, 22944), (274, 22977), (284, 23010), (292, 23046), (327, 23139), (348, 23199), (354, 23217), (385, 23349), (399, 23394), (432, 23526), (441, 23571), (456, 23631), (488, 23745), (491, 23766), (500, 23805), (504, 23826), (506, 23841), (541, 23991), (543, 23997), (546, 24015), (561, 24069), (584, 24153), (605, 24246), (656, 24492), (689, 24708), (701, 24792), (708, 24825),

Gene: Strokeseat_18 Start: 17495, Stop: 20032, Start Num: 45

Candidate Starts for Strokeseat_18:

(Start: 45 @17495 has 236 MA's), (54, 17516), (Start: 61 @17537 has 1 MA's), (74, 17576), (109, 17645), (118, 17654), (120, 17657), (127, 17675), (154, 17723), (207, 17882), (208, 17885), (227, 17927), (228, 17930), (246, 18008), (251, 18029), (252, 18032), (265, 18098), (284, 18173), (286, 18179), (298, 18221), (300, 18227), (301, 18230), (314, 18263), (316, 18269), (327, 18299), (336, 18320), (345, 18350), (348, 18359), (377, 18467), (380, 18479), (381, 18488), (382, 18491), (383, 18500), (384, 18506), (387, 18521), (389, 18524), (397, 18545), (410, 18587), (417, 18620), (448, 18761), (449, 18767), (462, 18821), (463, 18824), (474, 18851), (491, 18926), (493, 18938), (494, 18941), (507, 19007), (512, 19031), (515, 19052), (517, 19061), (534, 19121), (535, 19124), (543, 19160), (546, 19178), (554, 19199), (560, 19226), (580, 19295), (584, 19313), (586, 19322), (587, 19334), (593, 19370), (600, 19400), (620, 19481), (638, 19595), (644, 19637), (674, 19772), (678, 19796), (685, 19850), (700, 19964), (701, 19967),

Gene: StrongArm_30 Start: 25100, Stop: 26953, Start Num: 264

Candidate Starts for StrongArm_30:

(Start: 264 @25100 has 216 MA's), (287, 25181), (313, 25247), (343, 25316), (360, 25364), (368, 25391), (385, 25469), (397, 25505), (417, 25577), (491, 25883), (526, 26057), (546, 26144), (587, 26300), (640, 26531), (653, 26573), (661, 26615), (696, 26837), (704, 26894),

Gene: Sulley_27 Start: 20845, Stop: 23277, Start Num: 88

Candidate Starts for Sulley_27:

(Start: 88 @20845 has 96 MA's), (137, 20944), (223, 21205), (230, 21226), (273, 21433), (283, 21466), (289, 21496), (320, 21568), (329, 21592), (381, 21790), (388, 21835), (391, 21847), (395, 21856), (410, 21907), (446, 22087), (450, 22102), (466, 22171), (469, 22183), (486, 22246), (494, 22288), (504, 22327), (505, 22333), (506, 22342), (510, 22363), (525, 22423), (534, 22456), (536, 22471), (537, 22474), (550, 22528), (554, 22540), (584, 22654), (586, 22663), (591, 22684), (606, 22756), (611, 22777), (627, 22873), (671, 23101), (689, 23248),

Gene: Sumter_30 Start: 23649, Stop: 25502, Start Num: 264

Candidate Starts for Sumter_30:

(Start: 264 @23649 has 216 MA's), (287, 23730), (313, 23796), (343, 23865), (360, 23913), (368, 23940), (385, 24018), (417, 24126), (491, 24432), (526, 24606), (546, 24693), (587, 24849), (625,

25035), (640, 25080), (653, 25122), (661, 25164), (696, 25386), (704, 25443),

Gene: Sunshine924_32 Start: 23930, Stop: 25783, Start Num: 264

Candidate Starts for Sunshine924_32:

(Start: 264 @23930 has 216 MA's), (266, 23948), (287, 24011), (313, 24077), (343, 24146), (344, 24149), (360, 24194), (368, 24221), (377, 24257), (385, 24299), (397, 24335), (417, 24407), (491, 24713), (526, 24887), (546, 24974), (587, 25130), (625, 25316), (640, 25361), (653, 25403), (661, 25445), (696, 25667), (699, 25688), (704, 25724),

Gene: SuperGrey_19 Start: 18074, Stop: 20611, Start Num: 45

Candidate Starts for SuperGrey_19:

(Start: 45 @18074 has 236 MA's), (54, 18095), (Start: 61 @18116 has 1 MA's), (74, 18155), (109, 18224), (118, 18233), (120, 18236), (127, 18254), (154, 18302), (207, 18461), (208, 18464), (228, 18509), (251, 18608), (252, 18611), (265, 18677), (284, 18752), (286, 18758), (288, 18776), (298, 18800), (300, 18806), (301, 18809), (314, 18842), (316, 18848), (327, 18878), (336, 18899), (345, 18929), (348, 18938), (353, 18953), (354, 18956), (381, 19067), (382, 19070), (383, 19079), (384, 19085), (387, 19100), (389, 19103), (397, 19124), (407, 19154), (410, 19166), (417, 19199), (441, 19310), (442, 19313), (448, 19340), (449, 19346), (462, 19400), (463, 19403), (489, 19490), (491, 19505), (493, 19517), (494, 19520), (507, 19586), (512, 19610), (515, 19631), (517, 19640), (534, 19700), (535, 19703), (543, 19739), (546, 19757), (551, 19769), (554, 19778), (560, 19805), (578, 19862), (580, 19874), (584, 19892), (586, 19901), (587, 19913), (593, 19949), (600, 19979), (605, 19988), (607, 20000), (620, 20060), (627, 20114), (638, 20174), (644, 20216), (663, 20294), (674, 20351), (678, 20375), (685, 20429), (689, 20477), (699, 20519), (700, 20543), (701, 20546),

Gene: Superphikiman_36 Start: 27736, Stop: 30243, Start Num: 45

Candidate Starts for Superphikiman_36:

(Start: 45 @27736 has 236 MA's), (127, 27931), (149, 27967), (154, 27982), (186, 28069), (190, 28084), (230, 28159), (233, 28171), (241, 28198), (262, 28303), (272, 28342), (275, 28351), (284, 28375), (286, 28381), (288, 28399), (296, 28417), (301, 28432), (304, 28441), (307, 28450), (314, 28465), (323, 28492), (327, 28501), (343, 28540), (345, 28552), (348, 28561), (372, 28645), (389, 28726), (399, 28756), (400, 28759), (410, 28789), (416, 28816), (418, 28825), (428, 28876), (430, 28885), (432, 28888), (440, 28924), (444, 28945), (452, 28981), (492, 29134), (504, 29188), (512, 29233), (514, 29251), (515, 29254), (526, 29293), (559, 29440), (561, 29449), (581, 29518), (584, 29533), (620, 29698), (631, 29785), (641, 29833), (656, 29884), (669, 29962), (702, 30184), (704, 30187), (708, 30214),

Gene: SwagPiggett_18 Start: 17406, Stop: 19943, Start Num: 45

Candidate Starts for SwagPiggett_18:

(Start: 45 @17406 has 236 MA's), (54, 17427), (Start: 61 @17448 has 1 MA's), (74, 17487), (109, 17556), (118, 17565), (120, 17568), (127, 17586), (154, 17634), (204, 17787), (208, 17796), (228, 17841), (246, 17919), (252, 17943), (265, 18009), (275, 18054), (284, 18084), (286, 18090), (288, 18108), (298, 18132), (301, 18141), (314, 18174), (316, 18180), (327, 18210), (343, 18249), (348, 18270), (353, 18285), (354, 18288), (382, 18402), (383, 18411), (384, 18417), (389, 18435), (397, 18456), (407, 18486), (410, 18498), (417, 18531), (441, 18642), (442, 18645), (448, 18672), (449, 18678), (462, 18732), (463, 18735), (489, 18822), (491, 18837), (494, 18852), (512, 18942), (515, 18963), (517, 18972), (534, 19032), (535, 19035), (543, 19071), (546, 19089), (551, 19101), (554, 19110), (560, 19137), (580, 19206), (584, 19224), (586, 19233), (587, 19245), (593, 19281), (600, 19311), (607, 19332), (614, 19356), (620, 19392), (627, 19446), (644, 19548), (663, 19626), (674, 19683), (678, 19707), (685, 19761), (689, 19809), (699, 19851), (703, 19884), (704, 19887),

Gene: SwissCheese_33 Start: 24828, Stop: 26681, Start Num: 264

Candidate Starts for SwissCheese_33:

(Start: 264 @24828 has 216 MA's), (287, 24909), (313, 24975), (343, 25044), (344, 25047), (360, 25092), (368, 25119), (377, 25155), (385, 25197), (397, 25233), (417, 25305), (491, 25611), (526, 25785), (546, 25872), (576, 25971), (587, 26028), (640, 26259), (653, 26301), (661, 26343), (696, 26565), (699, 26586), (704, 26622),

Gene: Switzer_32 Start: 24232, Stop: 26085, Start Num: 264

Candidate Starts for Switzer_32:

(Start: 264 @24232 has 216 MA's), (287, 24313), (313, 24379), (343, 24448), (360, 24496), (368, 24523), (385, 24601), (397, 24637), (417, 24709), (491, 25015), (526, 25189), (546, 25276), (587, 25432), (640, 25663), (653, 25705), (661, 25747), (696, 25969), (704, 26026),

Gene: Swole_33 Start: 24641, Stop: 26494, Start Num: 264

Candidate Starts for Swole_33:

(Start: 264 @24641 has 216 MA's), (287, 24722), (313, 24788), (343, 24857), (360, 24905), (368, 24932), (385, 25010), (397, 25046), (417, 25118), (491, 25424), (509, 25526), (526, 25598), (546, 25685), (587, 25841), (640, 26072), (653, 26114), (661, 26156), (696, 26378), (704, 26435),

Gene: TBrady12_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for TBrady12_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (267, 22760), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656, 24308), (689, 24524), (701, 24608), (708, 24641),

Gene: TDanisky_18 Start: 17429, Stop: 19966, Start Num: 45

Candidate Starts for TDanisky_18:

(Start: 45 @17429 has 236 MA's), (54, 17450), (Start: 61 @17471 has 1 MA's), (74, 17510), (109, 17579), (118, 17588), (120, 17591), (127, 17609), (154, 17657), (204, 17810), (208, 17819), (228, 17864), (246, 17942), (252, 17966), (265, 18032), (275, 18077), (284, 18107), (286, 18113), (288, 18131), (298, 18155), (301, 18164), (314, 18197), (316, 18203), (327, 18233), (343, 18272), (348, 18293), (353, 18308), (354, 18311), (382, 18425), (383, 18434), (384, 18440), (389, 18458), (397, 18479), (407, 18509), (410, 18521), (417, 18554), (441, 18665), (442, 18668), (448, 18695), (449, 18701), (462, 18755), (463, 18758), (489, 18845), (491, 18860), (494, 18875), (512, 18965), (515, 18986), (517, 18995), (534, 19055), (535, 19058), (543, 19094), (546, 19112), (551, 19124), (554, 19133), (560, 19160), (580, 19229), (584, 19247), (586, 19256), (587, 19268), (593, 19304), (600, 19334), (607, 19355), (614, 19379), (620, 19415), (627, 19469), (644, 19571), (663, 19649), (674, 19706), (678, 19730), (685, 19784), (689, 19832), (699, 19874), (703, 19907), (704, 19910),

Gene: Tachez_27 Start: 20841, Stop: 23273, Start Num: 88

Candidate Starts for Tachez_27:

(Start: 88 @20841 has 96 MA's), (137, 20940), (223, 21201), (230, 21222), (273, 21429), (283, 21462), (289, 21492), (320, 21564), (329, 21588), (345, 21633), (381, 21786), (388, 21831), (391, 21843), (395, 21852), (410, 21903), (446, 22083), (450, 22098), (466, 22167), (469, 22179), (494, 22284), (504, 22323), (505, 22329), (506, 22338), (525, 22419), (536, 22467), (555, 22542), (563, 22578), (584, 22650), (586, 22659), (591, 22680), (611, 22773), (627, 22869), (657, 23016), (662, 23058), (671, 23097), (682, 23172),

Gene: TaiwanKao_28 Start: 20852, Stop: 23284, Start Num: 88

Candidate Starts for TaiwanKao_28:

(Start: 88 @20852 has 96 MA's), (137, 20951), (223, 21212), (273, 21440), (283, 21473), (289, 21503), (329, 21599), (345, 21644), (381, 21797), (388, 21842), (391, 21854), (395, 21863), (410, 21914), (446, 22094), (450, 22109), (466, 22178), (469, 22190), (486, 22253), (494, 22295), (504, 22334),

(505, 22340), (506, 22349), (510, 22370), (525, 22430), (554, 22547), (563, 22589), (584, 22661), (586, 22670), (591, 22691), (606, 22763), (611, 22784), (627, 22880), (671, 23108), (689, 23255),

Gene: Taj_18 Start: 17430, Stop: 19967, Start Num: 45

Candidate Starts for Taj_18:

(41, 17418), (Start: 45 @17430 has 236 MA's), (54, 17451), (Start: 61 @17472 has 1 MA's), (74, 17511), (109, 17580), (118, 17589), (120, 17592), (127, 17610), (149, 17643), (154, 17658), (168, 17706), (204, 17811), (207, 17817), (208, 17820), (227, 17862), (228, 17865), (246, 17943), (265, 18033), (275, 18078), (284, 18108), (286, 18114), (288, 18132), (298, 18156), (301, 18165), (314, 18198), (316, 18204), (327, 18234), (343, 18273), (345, 18285), (348, 18294), (353, 18309), (354, 18312), (381, 18423), (382, 18426), (383, 18435), (384, 18441), (387, 18456), (389, 18459), (397, 18480), (407, 18510), (410, 18522), (417, 18555), (441, 18666), (442, 18669), (448, 18696), (449, 18702), (462, 18756), (463, 18759), (489, 18846), (491, 18861), (493, 18873), (494, 18876), (507, 18942), (512, 18966), (515, 18987), (517, 18996), (534, 19056), (535, 19059), (543, 19095), (546, 19113), (551, 19125), (554, 19134), (560, 19161), (580, 19230), (584, 19248), (586, 19257), (587, 19269), (593, 19305), (600, 19335), (607, 19356), (614, 19380), (620, 19416), (627, 19470), (638, 19530), (644, 19572), (674, 19707), (678, 19731), (685, 19785), (689, 19833), (699, 19875), (700, 19899), (701, 19902),

Gene: Target_34 Start: 25615, Stop: 27468, Start Num: 264

Candidate Starts for Target_34:

(Start: 264 @25615 has 216 MA's), (287, 25696), (313, 25762), (343, 25831), (360, 25879), (368, 25906), (385, 25984), (397, 26020), (417, 26092), (491, 26398), (526, 26572), (546, 26659), (577, 26761), (587, 26815), (640, 27046), (653, 27088), (661, 27130), (696, 27352), (704, 27409),

Gene: Tarkin_28 Start: 23273, Stop: 25669, Start Num: 81

Candidate Starts for Tarkin_28:

(Start: 81 @23273 has 128 MA's), (163, 23450), (171, 23471), (238, 23618), (267, 23759), (274, 23792), (284, 23825), (292, 23861), (327, 23954), (348, 24014), (354, 24032), (385, 24164), (399, 24209), (432, 24341), (441, 24386), (456, 24446), (488, 24560), (491, 24581), (500, 24620), (504, 24641), (506, 24656), (541, 24806), (543, 24812), (546, 24830), (561, 24884), (584, 24968), (605, 25061), (656, 25307), (689, 25523), (701, 25607), (708, 25640),

Gene: Tasp14_32 Start: 24345, Stop: 26186, Start Num: 264

Candidate Starts for Tasp14_32:

(Start: 264 @24345 has 216 MA's), (287, 24426), (313, 24492), (343, 24561), (360, 24609), (368, 24636), (385, 24714), (410, 24789), (417, 24822), (426, 24873), (491, 25128), (526, 25302), (546, 25389), (587, 25545), (625, 25731), (640, 25776), (653, 25818), (661, 25860), (696, 26082), (697, 26091), (704, 26127),

Gene: Tchotchke_19 Start: 17331, Stop: 19868, Start Num: 45

Candidate Starts for Tchotchke_19:

(Start: 45 @17331 has 236 MA's), (54, 17352), (Start: 61 @17373 has 1 MA's), (74, 17412), (109, 17481), (118, 17490), (120, 17493), (127, 17511), (154, 17559), (204, 17712), (208, 17721), (228, 17766), (251, 17865), (252, 17868), (265, 17934), (284, 18009), (286, 18015), (288, 18033), (298, 18057), (300, 18063), (301, 18066), (314, 18099), (316, 18105), (327, 18135), (336, 18156), (345, 18186), (348, 18195), (353, 18210), (354, 18213), (381, 18324), (382, 18327), (383, 18336), (384, 18342), (387, 18357), (389, 18360), (397, 18381), (407, 18411), (410, 18423), (417, 18456), (441, 18567), (442, 18570), (448, 18597), (449, 18603), (462, 18657), (463, 18660), (491, 18762), (493, 18774), (494, 18777), (507, 18843), (512, 18867), (515, 18888), (517, 18897), (534, 18957), (535, 18960), (543, 18996), (546, 19014), (551, 19026), (554, 19035), (560, 19062), (578, 19119), (580, 19131), (584, 19149), (586, 19158), (587, 19170), (593, 19206), (600, 19236), (605, 19245), (607, 19257), (620, 19317), (627, 19371), (638, 19431), (644, 19473), (674, 19608), (678, 19632), (685,

19686), (689, 19734), (699, 19776), (700, 19800), (701, 19803),

Gene: TeamEdward_26 Start: 22455, Stop: 24851, Start Num: 81

Candidate Starts for TeamEdward_26:

(Start: 81 @22455 has 128 MA's), (163, 22632), (171, 22653), (238, 22800), (267, 22941), (274, 22974), (284, 23007), (292, 23043), (327, 23136), (348, 23196), (354, 23214), (385, 23346), (399, 23391), (432, 23523), (441, 23568), (456, 23628), (488, 23742), (491, 23763), (500, 23802), (504, 23823), (506, 23838), (541, 23988), (543, 23994), (546, 24012), (561, 24066), (584, 24150), (605, 24243), (656, 24489), (689, 24705), (701, 24789), (708, 24822),

Gene: TeardropMSU_25 Start: 22191, Stop: 24587, Start Num: 81

Candidate Starts for TeardropMSU_25:

(Start: 81 @22191 has 128 MA's), (163, 22368), (171, 22389), (238, 22536), (267, 22677), (274, 22710), (284, 22743), (292, 22779), (327, 22872), (348, 22932), (354, 22950), (376, 23031), (432, 23259), (441, 23304), (491, 23499), (492, 23505), (494, 23514), (504, 23559), (506, 23574), (543, 23730), (546, 23748), (549, 23757), (563, 23811), (584, 23886), (585, 23889), (626, 24099), (628, 24111), (656, 24225), (689, 24441), (701, 24525), (706, 24549), (708, 24558),

Gene: Teaspoon_27 Start: 22237, Stop: 24633, Start Num: 81

Candidate Starts for Teaspoon_27:

(Start: 81 @22237 has 128 MA's), (163, 22414), (171, 22435), (238, 22582), (267, 22723), (274, 22756), (284, 22789), (292, 22825), (327, 22918), (348, 22978), (354, 22996), (385, 23128), (399, 23173), (432, 23305), (441, 23350), (456, 23410), (488, 23524), (491, 23545), (500, 23584), (504, 23605), (506, 23620), (541, 23770), (543, 23776), (546, 23794), (561, 23848), (584, 23932), (605, 24025), (656, 24271), (689, 24487), (701, 24571), (708, 24604),

Gene: TelAviv_55 Start: 36063, Stop: 38573, Start Num: 66

Candidate Starts for TelAviv_55:

(Start: 66 @36063 has 33 MA's), (73, 36096), (105, 36165), (106, 36168), (119, 36192), (130, 36216), (144, 36240), (155, 36273), (211, 36480), (217, 36492), (218, 36495), (255, 36642), (259, 36672), (265, 36696), (272, 36726), (273, 36729), (281, 36756), (288, 36780), (300, 36810), (320, 36867), (329, 36891), (343, 36927), (345, 36939), (353, 36963), (354, 36966), (366, 37008), (387, 37104), (389, 37107), (453, 37362), (491, 37506), (504, 37566), (514, 37638), (515, 37641), (540, 37737), (584, 37911), (587, 37932), (610, 38025), (613, 38037), (627, 38127), (653, 38202), (662, 38247), (693, 38448), (700, 38502), (704, 38517),

Gene: Teodoridan_29 Start: 23466, Stop: 25316, Start Num: 264

Candidate Starts for Teodoridan_29:

(Start: 264 @23466 has 216 MA's), (287, 23547), (313, 23613), (343, 23682), (360, 23730), (368, 23757), (385, 23835), (397, 23871), (417, 23943), (491, 24249), (526, 24423), (546, 24510), (577, 24612), (587, 24666), (640, 24897), (653, 24939), (661, 24981), (696, 25203), (699, 25224), (704, 25260),

Gene: Terminus_26 Start: 22371, Stop: 24767, Start Num: 81

Candidate Starts for Terminus_26:

(Start: 81 @22371 has 128 MA's), (163, 22548), (171, 22569), (238, 22716), (267, 22857), (274, 22890), (284, 22923), (292, 22959), (327, 23052), (348, 23112), (354, 23130), (385, 23262), (399, 23307), (432, 23439), (441, 23484), (456, 23544), (488, 23658), (491, 23679), (500, 23718), (504, 23739), (506, 23754), (541, 23904), (543, 23910), (546, 23928), (561, 23982), (584, 24066), (605, 24159), (656, 24405), (689, 24621), (701, 24705), (708, 24738),

Gene: TheloniousMonk_33 Start: 25759, Stop: 27612, Start Num: 264

Candidate Starts for TheloniousMonk_33:

(Start: 264 @25759 has 216 MA's), (287, 25840), (313, 25906), (343, 25975), (360, 26023), (368, 26050), (385, 26128), (397, 26164), (417, 26236), (491, 26542), (526, 26716), (546, 26803), (587, 26959), (625, 27145), (640, 27190), (653, 27232), (661, 27274), (696, 27496), (704, 27553),

Gene: ThetaBob_20 Start: 17751, Stop: 20231, Start Num: 48

Candidate Starts for ThetaBob_20:

(Start: 48 @17751 has 3 MA's), (52, 17757), (54, 17763), (Start: 81 @17826 has 128 MA's), (82, 17829), (93, 17856), (125, 17910), (127, 17919), (149, 17952), (158, 17985), (168, 18018), (186, 18057), (190, 18072), (208, 18108), (212, 18114), (213, 18117), (226, 18135), (230, 18147), (233, 18159), (240, 18183), (241, 18186), (272, 18330), (275, 18339), (284, 18363), (288, 18387), (298, 18411), (300, 18417), (307, 18438), (308, 18441), (316, 18459), (327, 18489), (339, 18519), (345, 18540), (372, 18633), (376, 18648), (377, 18657), (381, 18678), (382, 18681), (392, 18723), (407, 18765), (408, 18768), (410, 18777), (416, 18804), (418, 18813), (424, 18852), (430, 18873), (432, 18876), (440, 18912), (444, 18933), (462, 19011), (463, 19014), (482, 19068), (493, 19128), (512, 19221), (515, 19242), (526, 19278), (539, 19332), (541, 19341), (559, 19419), (563, 19437), (575, 19473), (576, 19476), (580, 19494), (581, 19497), (584, 19512), (587, 19533), (593, 19569), (596, 19581), (614, 19644), (620, 19677), (631, 19764), (641, 19812), (643, 19836), (651, 19863), (656, 19872), (662, 19911), (669, 19950), (674, 19974), (677, 19995), (689, 20091), (694, 20112), (704, 20175), (708, 20202), (712, 20211),

Gene: Thibault_35 Start: 30372, Stop: 32300, Start Num: 258

Candidate Starts for Thibault_35:

(Start: 258 @30372 has 23 MA's), (318, 30567), (377, 30735), (389, 30792), (410, 30852), (411, 30861), (463, 31089), (477, 31125), (491, 31191), (511, 31293), (512, 31296), (584, 31581), (599, 31662), (642, 31878), (644, 31905), (653, 31926), (665, 31986), (675, 32040), (684, 32106),

Gene: Thimble_26 Start: 21237, Stop: 23633, Start Num: 81

Candidate Starts for Thimble_26:

(Start: 81 @21237 has 128 MA's), (163, 21414), (171, 21435), (238, 21582), (267, 21723), (274, 21756), (284, 21789), (292, 21825), (327, 21918), (348, 21978), (354, 21996), (385, 22128), (399, 22173), (432, 22305), (441, 22350), (456, 22410), (488, 22524), (491, 22545), (500, 22584), (504, 22605), (506, 22620), (541, 22770), (543, 22776), (546, 22794), (561, 22848), (584, 22932), (605, 23025), (656, 23271), (689, 23487), (701, 23571), (708, 23604),

Gene: Thor_31 Start: 24220, Stop: 26073, Start Num: 264

Candidate Starts for Thor_31:

(Start: 264 @24220 has 216 MA's), (287, 24301), (313, 24367), (343, 24436), (344, 24439), (360, 24484), (368, 24511), (377, 24547), (385, 24589), (397, 24625), (417, 24697), (491, 25003), (526, 25177), (546, 25264), (587, 25420), (625, 25606), (640, 25651), (653, 25693), (661, 25735), (696, 25957), (704, 26014),

Gene: ThreeRngTarjay_37 Start: 30362, Stop: 32290, Start Num: 258

Candidate Starts for ThreeRngTarjay_37:

(Start: 258 @30362 has 23 MA's), (318, 30557), (377, 30725), (389, 30782), (403, 30821), (411, 30851), (424, 30917), (477, 31115), (491, 31181), (501, 31226), (512, 31286), (551, 31445), (599, 31652), (644, 31895), (653, 31916), (665, 31976), (675, 32030), (684, 32096), (688, 32135), (704, 32234),

Gene: Thresher_27 Start: 23038, Stop: 25434, Start Num: 81

Candidate Starts for Thresher_27:

(Start: 81 @23038 has 128 MA's), (163, 23215), (171, 23236), (238, 23383), (274, 23557), (284, 23590), (292, 23626), (327, 23719), (348, 23779), (354, 23797), (385, 23929), (399, 23974), (432, 24106), (441, 24151), (488, 24325), (491, 24346), (500, 24385), (504, 24406), (506, 24421), (541,

24571), (543, 24577), (546, 24595), (561, 24649), (584, 24733), (605, 24826), (656, 25072), (689, 25288), (701, 25372), (708, 25405),

Gene: Thumb_29 Start: 25682, Stop: 28525, Start Num: 13

Candidate Starts for Thumb_29:

(Start: 13 @25682 has 8 MA's), (Start: 20 @25814 has 1 MA's), (21, 25826), (22, 25835), (33, 25904), (51, 25970), (57, 25991), (71, 26039), (89, 26081), (98, 26105), (115, 26138), (134, 26174), (142, 26186), (177, 26279), (197, 26336), (220, 26375), (267, 26570), (273, 26600), (286, 26642), (336, 26783), (343, 26801), (365, 26882), (376, 26921), (380, 26942), (417, 27080), (423, 27119), (463, 27284), (485, 27356), (493, 27398), (497, 27410), (514, 27509), (603, 27872), (658, 28142), (661, 28175), (666, 28199), (684, 28319), (695, 28397), (711, 28484), (714, 28499), (715, 28505),

Gene: TiniBug_27 Start: 20837, Stop: 23269, Start Num: 88

Candidate Starts for TiniBug_27:

(Start: 81 @20819 has 128 MA's), (Start: 88 @20837 has 96 MA's), (107, 20885), (137, 20936), (223, 21197), (230, 21218), (282, 21455), (283, 21458), (289, 21488), (291, 21491), (320, 21560), (329, 21584), (330, 21590), (334, 21596), (345, 21629), (381, 21782), (391, 21839), (395, 21848), (410, 21899), (446, 22079), (450, 22094), (466, 22163), (469, 22175), (480, 22211), (486, 22238), (494, 22280), (504, 22319), (505, 22325), (506, 22334), (510, 22355), (525, 22415), (534, 22448), (537, 22466), (554, 22532), (563, 22574), (584, 22646), (586, 22655), (591, 22676), (606, 22748), (657, 23012), (671, 23093), (682, 23168), (689, 23240),

Gene: Tiri_27 Start: 20884, Stop: 23316, Start Num: 88

Candidate Starts for Tiri_27:

(Start: 88 @20884 has 96 MA's), (137, 20983), (223, 21244), (230, 21265), (273, 21472), (283, 21505), (289, 21535), (320, 21607), (329, 21631), (381, 21829), (388, 21874), (391, 21886), (395, 21895), (410, 21946), (446, 22126), (450, 22141), (466, 22210), (469, 22222), (486, 22285), (494, 22327), (504, 22366), (505, 22372), (506, 22381), (510, 22402), (525, 22462), (554, 22579), (563, 22621), (584, 22693), (586, 22702), (591, 22723), (606, 22795), (611, 22816), (627, 22912), (638, 22975), (662, 23101), (671, 23140), (689, 23287),

Gene: Tomaszewski_25 Start: 21884, Stop: 24280, Start Num: 81

Candidate Starts for Tomaszewski_25:

(Start: 81 @21884 has 128 MA's), (163, 22061), (171, 22082), (238, 22229), (267, 22370), (274, 22403), (284, 22436), (292, 22472), (327, 22565), (348, 22625), (354, 22643), (385, 22775), (399, 22820), (432, 22952), (441, 22997), (488, 23171), (491, 23192), (500, 23231), (504, 23252), (506, 23267), (543, 23423), (546, 23441), (561, 23495), (584, 23579), (605, 23672), (656, 23918), (689, 24134), (701, 24218), (708, 24251),

Gene: TootsiePop_19 Start: 17273, Stop: 19798, Start Num: 45

Candidate Starts for TootsiePop_19:

(Start: 45 @17273 has 236 MA's), (54, 17294), (Start: 61 @17315 has 1 MA's), (74, 17354), (109, 17423), (118, 17432), (120, 17435), (127, 17453), (149, 17486), (154, 17501), (168, 17549), (207, 17660), (208, 17663), (228, 17708), (246, 17786), (252, 17810), (265, 17876), (275, 17921), (284, 17951), (286, 17957), (288, 17975), (298, 17999), (301, 18008), (314, 18041), (316, 18047), (327, 18077), (343, 18116), (345, 18128), (348, 18137), (353, 18152), (354, 18155), (389, 18302), (407, 18353), (431, 18464), (442, 18515), (447, 18539), (474, 18632), (485, 18677), (488, 18686), (491, 18707), (493, 18719), (494, 18722), (504, 18767), (512, 18812), (514, 18830), (515, 18833), (529, 18884), (541, 18935), (543, 18941), (546, 18959), (551, 18971), (554, 18980), (561, 19013), (584, 19094), (596, 19163), (605, 19190), (611, 19217), (621, 19268), (627, 19316), (677, 19559), (689, 19664), (694, 19685), (703, 19739), (707, 19763),

Gene: Tootsieroll_19 Start: 17239, Stop: 19776, Start Num: 45

Candidate Starts for Tootsieroll_19:

(41, 17227), (Start: 45 @17239 has 236 MA's), (54, 17260), (Start: 61 @17281 has 1 MA's), (74, 17320), (109, 17389), (118, 17398), (120, 17401), (127, 17419), (149, 17452), (154, 17467), (168, 17515), (204, 17620), (207, 17626), (208, 17629), (227, 17671), (228, 17674), (252, 17776), (265, 17842), (275, 17887), (284, 17917), (286, 17923), (288, 17941), (298, 17965), (301, 17974), (314, 18007), (316, 18013), (327, 18043), (345, 18094), (348, 18103), (377, 18211), (380, 18223), (381, 18232), (382, 18235), (384, 18250), (387, 18265), (389, 18268), (397, 18289), (407, 18319), (410, 18331), (417, 18364), (441, 18475), (442, 18478), (448, 18505), (449, 18511), (462, 18565), (463, 18568), (474, 18595), (491, 18670), (493, 18682), (494, 18685), (507, 18751), (511, 18772), (512, 18775), (515, 18796), (517, 18805), (534, 18865), (535, 18868), (541, 18898), (546, 18922), (551, 18934), (554, 18943), (580, 19039), (584, 19057), (586, 19066), (587, 19078), (600, 19144), (605, 19153), (607, 19165), (614, 19189), (620, 19225), (644, 19381), (674, 19516), (678, 19540), (685, 19594), (694, 19663), (700, 19708), (701, 19711),

Gene: Topgun_31 Start: 23973, Stop: 25826, Start Num: 264

Candidate Starts for Topgun_31:

(Start: 264 @23973 has 216 MA's), (287, 24054), (313, 24120), (343, 24189), (344, 24192), (360, 24237), (368, 24264), (377, 24300), (385, 24342), (397, 24378), (417, 24450), (491, 24756), (517, 24900), (526, 24930), (546, 25017), (587, 25173), (640, 25404), (653, 25446), (661, 25488), (696, 25710), (704, 25767),

Gene: Topiatin_20 Start: 18098, Stop: 20635, Start Num: 45

Candidate Starts for Topiatin_20:

(41, 18086), (Start: 45 @18098 has 236 MA's), (54, 18119), (Start: 61 @18140 has 1 MA's), (74, 18179), (109, 18248), (118, 18257), (120, 18260), (127, 18278), (149, 18311), (154, 18326), (168, 18374), (207, 18485), (208, 18488), (222, 18518), (228, 18533), (246, 18611), (252, 18635), (265, 18701), (275, 18746), (284, 18776), (286, 18782), (288, 18800), (298, 18824), (301, 18833), (314, 18866), (316, 18872), (327, 18902), (343, 18941), (345, 18953), (348, 18962), (353, 18977), (354, 18980), (381, 19091), (382, 19094), (383, 19103), (384, 19109), (387, 19124), (389, 19127), (397, 19148), (407, 19178), (410, 19190), (417, 19223), (441, 19334), (442, 19337), (448, 19364), (449, 19370), (462, 19424), (463, 19427), (489, 19514), (491, 19529), (493, 19541), (494, 19544), (507, 19610), (512, 19634), (515, 19655), (517, 19664), (529, 19706), (534, 19724), (535, 19727), (543, 19763), (546, 19781), (551, 19793), (554, 19802), (560, 19829), (580, 19898), (584, 19916), (586, 19925), (587, 19937), (593, 19973), (600, 20003), (607, 20024), (614, 20048), (620, 20084), (627, 20138), (638, 20198), (644, 20240), (663, 20318), (674, 20375), (678, 20399), (685, 20453), (689, 20501), (699, 20543), (700, 20567), (701, 20570),

Gene: Topper_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Topper_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: Toron_20 Start: 17872, Stop: 20292, Start Num: 87

Candidate Starts for Toron_20:

(87, 17872), (90, 17878), (92, 17884), (128, 17947), (146, 17971), (147, 17974), (167, 18037), (208, 18145), (213, 18154), (228, 18175), (232, 18184), (251, 18274), (259, 18319), (272, 18379), (301, 18475), (322, 18532), (333, 18556), (350, 18604), (353, 18613), (354, 18616), (367, 18664), (377, 18706), (382, 18730), (383, 18739), (384, 18745), (389, 18763), (397, 18784), (400, 18796), (407, 18814), (410, 18826), (417, 18859), (430, 18922), (432, 18925), (435, 18940), (438, 18952), (462,

19060), (472, 19084), (480, 19111), (482, 19117), (491, 19165), (497, 19189), (504, 19225), (505, 19231), (506, 19240), (529, 19354), (530, 19369), (551, 19447), (581, 19558), (584, 19573), (586, 19582), (605, 19669), (614, 19705), (620, 19741), (627, 19795), (674, 20032), (678, 20056), (694, 20179), (700, 20224), (707, 20257),

Gene: Tote_33 Start: 24641, Stop: 26494, Start Num: 264

Candidate Starts for Tote_33:

(Start: 264 @24641 has 216 MA's), (287, 24722), (313, 24788), (343, 24857), (360, 24905), (368, 24932), (385, 25010), (397, 25046), (417, 25118), (491, 25424), (509, 25526), (526, 25598), (546, 25685), (587, 25841), (640, 26072), (653, 26114), (661, 26156), (696, 26378), (704, 26435),

Gene: Totinger_19 Start: 17189, Stop: 19726, Start Num: 45

Candidate Starts for Totinger_19:

(Start: 45 @17189 has 236 MA's), (54, 17210), (Start: 61 @17231 has 1 MA's), (74, 17270), (109, 17339), (118, 17348), (120, 17351), (127, 17369), (154, 17417), (204, 17570), (208, 17579), (228, 17624), (251, 17723), (252, 17726), (265, 17792), (284, 17867), (286, 17873), (288, 17891), (298, 17915), (300, 17921), (301, 17924), (314, 17957), (316, 17963), (327, 17993), (336, 18014), (345, 18044), (348, 18053), (353, 18068), (354, 18071), (381, 18182), (382, 18185), (383, 18194), (384, 18200), (387, 18215), (389, 18218), (397, 18239), (407, 18269), (410, 18281), (417, 18314), (441, 18425), (442, 18428), (448, 18455), (449, 18461), (462, 18515), (463, 18518), (491, 18620), (493, 18632), (494, 18635), (507, 18701), (512, 18725), (515, 18746), (517, 18755), (534, 18815), (535, 18818), (543, 18854), (546, 18872), (551, 18884), (554, 18893), (560, 18920), (578, 18977), (580, 18989), (584, 19007), (586, 19016), (587, 19028), (593, 19064), (600, 19094), (605, 19103), (607, 19115), (620, 19175), (627, 19229), (638, 19289), (644, 19331), (674, 19466), (678, 19490), (685, 19544), (689, 19592), (699, 19634), (700, 19658), (701, 19661),

Gene: Toto_26 Start: 22284, Stop: 24680, Start Num: 81

Candidate Starts for Toto_26:

(Start: 81 @22284 has 128 MA's), (163, 22461), (171, 22482), (238, 22629), (267, 22770), (274, 22803), (284, 22836), (292, 22872), (327, 22965), (348, 23025), (354, 23043), (392, 23199), (399, 23220), (428, 23340), (432, 23352), (441, 23397), (491, 23592), (494, 23607), (504, 23652), (506, 23667), (543, 23823), (546, 23841), (549, 23850), (584, 23979), (585, 23982), (626, 24192), (628, 24204), (656, 24318), (689, 24534), (701, 24618), (706, 24642), (708, 24651),

Gene: Traaww1_24 Start: 21929, Stop: 24325, Start Num: 81

Candidate Starts for Traaww1_24:

(Start: 81 @21929 has 128 MA's), (163, 22106), (171, 22127), (238, 22274), (267, 22415), (274, 22448), (284, 22481), (292, 22517), (327, 22610), (348, 22670), (354, 22688), (376, 22769), (432, 22997), (441, 23042), (491, 23237), (492, 23243), (494, 23252), (504, 23297), (506, 23312), (543, 23468), (546, 23486), (549, 23495), (563, 23549), (584, 23624), (585, 23627), (626, 23837), (628, 23849), (656, 23963), (689, 24179), (701, 24263), (706, 24287), (708, 24296),

Gene: Traft412_33 Start: 25016, Stop: 26869, Start Num: 264

Candidate Starts for Traft412_33:

(Start: 264 @25016 has 216 MA's), (287, 25097), (313, 25163), (343, 25232), (360, 25280), (368, 25307), (385, 25385), (397, 25421), (410, 25460), (417, 25493), (491, 25799), (509, 25901), (526, 25973), (546, 26060), (587, 26216), (599, 26276), (625, 26402), (640, 26447), (653, 26489), (661, 26531), (696, 26753), (704, 26810),

Gene: Treddle_33 Start: 25306, Stop: 27159, Start Num: 264

Candidate Starts for Treddle_33:

(Start: 264 @25306 has 216 MA's), (287, 25387), (313, 25453), (343, 25522), (360, 25570), (368, 25597), (377, 25633), (385, 25675), (397, 25711), (417, 25783), (491, 26089), (526, 26263), (546,

26350), (587, 26506), (625, 26692), (640, 26737), (653, 26779), (661, 26821), (696, 27043), (704, 27100),

Gene: TreyKay_27 Start: 20846, Stop: 23278, Start Num: 88

Candidate Starts for TreyKay_27:

(Start: 88 @20846 has 96 MA's), (137, 20945), (223, 21206), (273, 21434), (283, 21467), (289, 21497), (320, 21569), (329, 21593), (345, 21638), (381, 21791), (388, 21836), (391, 21848), (395, 21857), (406, 21893), (410, 21908), (446, 22088), (450, 22103), (466, 22172), (469, 22184), (486, 22247), (494, 22289), (504, 22328), (505, 22334), (506, 22343), (510, 22364), (525, 22424), (554, 22541), (563, 22583), (584, 22655), (586, 22664), (591, 22685), (606, 22757), (611, 22778), (627, 22874), (671, 23102), (689, 23249),

Gene: Tripl3t_32 Start: 24972, Stop: 26825, Start Num: 264

Candidate Starts for Tripl3t_32:

(Start: 264 @24972 has 216 MA's), (287, 25053), (313, 25119), (343, 25188), (360, 25236), (368, 25263), (377, 25299), (385, 25341), (397, 25377), (417, 25449), (491, 25755), (526, 25929), (546, 26016), (587, 26172), (625, 26358), (640, 26403), (653, 26445), (661, 26487), (696, 26709), (704, 26766),

Gene: Trouble_32 Start: 24919, Stop: 26772, Start Num: 264

Candidate Starts for Trouble_32:

(Start: 264 @24919 has 216 MA's), (287, 25000), (313, 25066), (343, 25135), (360, 25183), (368, 25210), (377, 25246), (385, 25288), (397, 25324), (417, 25396), (491, 25702), (526, 25876), (546, 25963), (587, 26119), (640, 26350), (653, 26392), (661, 26434), (696, 26656), (704, 26713),

Gene: TruffulaTree_27 Start: 20875, Stop: 23307, Start Num: 88

Candidate Starts for TruffulaTree_27:

(Start: 88 @20875 has 96 MA's), (137, 20974), (223, 21235), (230, 21256), (273, 21463), (283, 21496), (289, 21526), (320, 21598), (329, 21622), (345, 21667), (381, 21820), (388, 21865), (391, 21877), (395, 21886), (410, 21937), (446, 22117), (450, 22132), (466, 22201), (469, 22213), (486, 22276), (494, 22318), (504, 22357), (505, 22363), (506, 22372), (510, 22393), (525, 22453), (554, 22570), (563, 22612), (584, 22684), (586, 22693), (591, 22714), (606, 22786), (611, 22807), (627, 22903), (638, 22966), (671, 23131), (689, 23278),

Gene: Tuco_27 Start: 22799, Stop: 25195, Start Num: 81

Candidate Starts for Tuco_27:

(Start: 81 @22799 has 128 MA's), (163, 22976), (171, 22997), (238, 23144), (267, 23285), (274, 23318), (284, 23351), (292, 23387), (327, 23480), (348, 23540), (354, 23558), (376, 23639), (432, 23867), (441, 23912), (491, 24107), (492, 24113), (494, 24122), (504, 24167), (506, 24182), (543, 24338), (546, 24356), (549, 24365), (563, 24419), (584, 24494), (585, 24497), (626, 24707), (628, 24719), (656, 24833), (689, 25049), (701, 25133), (706, 25157), (708, 25166),

Gene: Turj99_30 Start: 23859, Stop: 25712, Start Num: 264

Candidate Starts for Turj99_30:

(Start: 264 @23859 has 216 MA's), (287, 23940), (313, 24006), (343, 24075), (360, 24123), (368, 24150), (385, 24228), (397, 24264), (417, 24336), (491, 24642), (511, 24753), (526, 24816), (546, 24903), (587, 25059), (625, 25245), (640, 25290), (653, 25332), (661, 25374), (696, 25596), (704, 25653),

Gene: Tweety_18 Start: 17451, Stop: 19988, Start Num: 45

Candidate Starts for Tweety_18:

(41, 17439), (Start: 45 @17451 has 236 MA's), (54, 17472), (Start: 61 @17493 has 1 MA's), (74, 17532), (109, 17601), (118, 17610), (120, 17613), (127, 17631), (149, 17664), (154, 17679), (168,

17727), (207, 17838), (208, 17841), (222, 17871), (228, 17886), (246, 17964), (252, 17988), (265, 18054), (275, 18099), (284, 18129), (286, 18135), (288, 18153), (298, 18177), (301, 18186), (314, 18219), (316, 18225), (327, 18255), (343, 18294), (345, 18306), (348, 18315), (353, 18330), (354, 18333), (381, 18444), (382, 18447), (383, 18456), (384, 18462), (387, 18477), (389, 18480), (397, 18501), (407, 18531), (410, 18543), (417, 18576), (432, 18642), (441, 18687), (442, 18690), (448, 18717), (449, 18723), (462, 18777), (463, 18780), (489, 18867), (491, 18882), (493, 18894), (494, 18897), (507, 18963), (512, 18987), (515, 19008), (517, 19017), (529, 19059), (534, 19077), (535, 19080), (543, 19116), (546, 19134), (551, 19146), (554, 19155), (560, 19182), (580, 19251), (584, 19269), (586, 19278), (587, 19290), (593, 19326), (600, 19356), (607, 19377), (614, 19401), (620, 19437), (627, 19491), (638, 19551), (644, 19593), (674, 19728), (678, 19752), (685, 19806), (689, 19854), (699, 19896), (700, 19920), (701, 19923),

Gene: Twitch_27 Start: 20912, Stop: 23344, Start Num: 88

Candidate Starts for Twitch_27:

(Start: 88 @20912 has 96 MA's), (137, 21011), (223, 21272), (230, 21293), (273, 21500), (283, 21533), (289, 21563), (320, 21635), (329, 21659), (381, 21857), (388, 21902), (391, 21914), (395, 21923), (410, 21974), (446, 22154), (450, 22169), (466, 22238), (469, 22250), (486, 22313), (494, 22355), (504, 22394), (505, 22400), (506, 22409), (510, 22430), (525, 22490), (554, 22607), (563, 22649), (584, 22721), (586, 22730), (591, 22751), (606, 22823), (611, 22844), (627, 22940), (657, 23087), (671, 23168), (689, 23315),

Gene: TwoPeat_32 Start: 24440, Stop: 26293, Start Num: 264

Candidate Starts for TwoPeat_32:

(Start: 264 @24440 has 216 MA's), (287, 24521), (313, 24587), (343, 24656), (360, 24704), (368, 24731), (385, 24809), (397, 24845), (410, 24884), (417, 24917), (426, 24968), (491, 25223), (526, 25397), (546, 25484), (587, 25640), (625, 25826), (640, 25871), (653, 25913), (661, 25955), (696, 26177), (699, 26198), (704, 26234),

Gene: U2_31 Start: 24238, Stop: 26091, Start Num: 264

Candidate Starts for U2_31:

(Start: 264 @24238 has 216 MA's), (266, 24256), (287, 24319), (313, 24385), (343, 24454), (360, 24502), (368, 24529), (385, 24607), (397, 24643), (417, 24715), (491, 25021), (526, 25195), (546, 25282), (587, 25438), (625, 25624), (640, 25669), (653, 25711), (661, 25753), (696, 25975), (704, 26032),

Gene: Ukulele_26 Start: 22042, Stop: 24438, Start Num: 81

Candidate Starts for Ukulele_26:

(Start: 81 @22042 has 128 MA's), (163, 22219), (171, 22240), (238, 22387), (274, 22561), (284, 22594), (292, 22630), (327, 22723), (348, 22783), (354, 22801), (385, 22933), (399, 22978), (432, 23110), (441, 23155), (456, 23215), (488, 23329), (491, 23350), (500, 23389), (504, 23410), (506, 23425), (541, 23575), (543, 23581), (546, 23599), (561, 23653), (584, 23737), (605, 23830), (656, 24076), (689, 24292), (701, 24376), (708, 24409),

Gene: UncleRicky_19 Start: 17219, Stop: 19756, Start Num: 45

Candidate Starts for UncleRicky_19:

(41, 17207), (Start: 45 @17219 has 236 MA's), (54, 17240), (Start: 61 @17261 has 1 MA's), (74, 17300), (109, 17369), (118, 17378), (120, 17381), (127, 17399), (149, 17432), (154, 17447), (168, 17495), (204, 17600), (208, 17609), (227, 17651), (228, 17654), (246, 17732), (252, 17756), (265, 17822), (275, 17867), (284, 17897), (286, 17903), (288, 17921), (298, 17945), (301, 17954), (314, 17987), (316, 17993), (327, 18023), (343, 18062), (345, 18074), (348, 18083), (353, 18098), (354, 18101), (381, 18212), (383, 18224), (384, 18230), (387, 18245), (389, 18248), (397, 18269), (407, 18299), (410, 18311), (417, 18344), (432, 18410), (441, 18455), (442, 18458), (448, 18485), (449, 18491), (462, 18545), (463, 18548), (474, 18575), (491, 18650), (493, 18662), (494, 18665), (507,

18731), (512, 18755), (517, 18785), (529, 18827), (534, 18845), (535, 18848), (543, 18884), (546, 18902), (554, 18923), (560, 18950), (580, 19019), (584, 19037), (586, 19046), (587, 19058), (593, 19094), (600, 19124), (605, 19133), (607, 19145), (620, 19205), (627, 19259), (638, 19319), (644, 19361), (663, 19439), (674, 19496), (678, 19520), (685, 19574), (689, 19622), (699, 19664), (700, 19688), (701, 19691),

Gene: Urkel_27 Start: 20840, Stop: 23272, Start Num: 88

Candidate Starts for Urkel_27:

(Start: 81 @20822 has 128 MA's), (Start: 88 @20840 has 96 MA's), (107, 20888), (137, 20939), (223, 21200), (230, 21221), (282, 21458), (283, 21461), (289, 21491), (291, 21494), (320, 21563), (329, 21587), (330, 21593), (334, 21599), (345, 21632), (381, 21785), (391, 21842), (395, 21851), (410, 21902), (446, 22082), (450, 22097), (466, 22166), (469, 22178), (480, 22214), (486, 22241), (494, 22283), (504, 22322), (505, 22328), (506, 22337), (510, 22358), (525, 22418), (534, 22451), (537, 22469), (554, 22535), (563, 22577), (584, 22649), (586, 22658), (591, 22679), (606, 22751), (627, 22868), (657, 23015), (671, 23096), (682, 23171), (689, 23243),

Gene: VRedHorse_18 Start: 17564, Stop: 20101, Start Num: 45

Candidate Starts for VRedHorse_18:

(41, 17552), (Start: 45 @17564 has 236 MA's), (54, 17585), (Start: 61 @17606 has 1 MA's), (72, 17642), (74, 17645), (109, 17714), (118, 17723), (120, 17726), (127, 17744), (149, 17777), (154, 17792), (168, 17840), (204, 17945), (207, 17951), (208, 17954), (227, 17996), (228, 17999), (252, 18101), (265, 18167), (275, 18212), (284, 18242), (286, 18248), (288, 18266), (298, 18290), (301, 18299), (314, 18332), (316, 18338), (336, 18389), (343, 18407), (345, 18419), (348, 18428), (353, 18443), (355, 18449), (381, 18557), (383, 18569), (384, 18575), (387, 18590), (389, 18593), (397, 18614), (407, 18644), (410, 18656), (417, 18689), (432, 18755), (441, 18800), (442, 18803), (448, 18830), (449, 18836), (462, 18890), (463, 18893), (491, 18995), (493, 19007), (494, 19010), (507, 19076), (512, 19100), (515, 19121), (517, 19130), (534, 19190), (535, 19193), (543, 19229), (546, 19247), (554, 19268), (560, 19295), (580, 19364), (584, 19382), (586, 19391), (587, 19403), (593, 19439), (607, 19490), (612, 19508), (620, 19550), (627, 19604), (644, 19706), (663, 19784), (674, 19841), (678, 19865), (685, 19919), (689, 19967), (700, 20033), (701, 20036),

Gene: Vagabond_58 Start: 35926, Stop: 38436, Start Num: 66

Candidate Starts for Vagabond_58:

(Start: 66 @35926 has 33 MA's), (73, 35959), (105, 36028), (106, 36031), (119, 36055), (130, 36079), (144, 36103), (155, 36136), (211, 36343), (217, 36355), (218, 36358), (255, 36505), (259, 36535), (265, 36559), (272, 36589), (273, 36592), (281, 36619), (288, 36643), (300, 36673), (320, 36730), (329, 36754), (343, 36790), (345, 36802), (353, 36826), (354, 36829), (366, 36871), (387, 36967), (389, 36970), (453, 37225), (491, 37369), (504, 37429), (514, 37501), (515, 37504), (540, 37600), (584, 37774), (587, 37795), (610, 37888), (613, 37900), (627, 37990), (653, 38065), (662, 38110), (693, 38311), (700, 38365), (704, 38380),

Gene: Veliki_27 Start: 20915, Stop: 23347, Start Num: 88

Candidate Starts for Veliki_27:

(Start: 88 @20915 has 96 MA's), (137, 21014), (223, 21275), (230, 21296), (273, 21503), (283, 21536), (289, 21566), (320, 21638), (329, 21662), (345, 21707), (381, 21860), (388, 21905), (391, 21917), (395, 21926), (410, 21977), (446, 22157), (450, 22172), (466, 22241), (469, 22253), (494, 22358), (504, 22397), (505, 22403), (506, 22412), (525, 22493), (536, 22541), (555, 22616), (563, 22652), (586, 22733), (591, 22754), (611, 22847), (627, 22943), (657, 23090), (662, 23132), (671, 23171), (682, 23246),

Gene: Veteran_18 Start: 17402, Stop: 19939, Start Num: 45

Candidate Starts for Veteran_18:

(Start: 45 @17402 has 236 MA's), (54, 17423), (Start: 61 @17444 has 1 MA's), (74, 17483), (109, 17552), (118, 17561), (120, 17564), (127, 17582), (149, 17615), (154, 17630), (204, 17783), (208, 17792), (228, 17837), (251, 17936), (252, 17939), (265, 18005), (284, 18080), (286, 18086), (298, 18128), (300, 18134), (301, 18137), (314, 18170), (316, 18176), (327, 18206), (336, 18227), (345, 18257), (348, 18266), (353, 18281), (354, 18284), (381, 18395), (382, 18398), (383, 18407), (384, 18413), (387, 18428), (389, 18431), (397, 18452), (407, 18482), (410, 18494), (417, 18527), (441, 18638), (442, 18641), (448, 18668), (449, 18674), (462, 18728), (463, 18731), (489, 18818), (491, 18833), (493, 18845), (494, 18848), (507, 18914), (512, 18938), (515, 18959), (517, 18968), (529, 19010), (534, 19028), (535, 19031), (541, 19061), (546, 19085), (551, 19097), (554, 19106), (580, 19202), (584, 19220), (586, 19229), (587, 19241), (593, 19277), (600, 19307), (605, 19316), (607, 19328), (620, 19388), (627, 19442), (638, 19502), (644, 19544), (674, 19679), (678, 19703), (685, 19757), (689, 19805), (699, 19847), (700, 19871), (701, 19874),

Gene: Violac_19 Start: 17946, Stop: 20471, Start Num: 45

Candidate Starts for Violac_19:

(Start: 45 @17946 has 236 MA's), (54, 17967), (Start: 61 @17988 has 1 MA's), (74, 18027), (109, 18096), (118, 18105), (120, 18108), (127, 18126), (154, 18174), (168, 18222), (207, 18333), (208, 18336), (224, 18369), (228, 18381), (246, 18459), (259, 18525), (267, 18558), (279, 18612), (284, 18624), (298, 18672), (300, 18678), (301, 18681), (304, 18690), (317, 18723), (333, 18762), (335, 18765), (342, 18780), (343, 18783), (350, 18810), (352, 18816), (353, 18819), (354, 18822), (362, 18849), (366, 18867), (367, 18870), (383, 18945), (387, 18966), (389, 18969), (398, 18996), (407, 19020), (417, 19065), (418, 19068), (428, 19119), (442, 19182), (444, 19191), (449, 19215), (480, 19320), (481, 19323), (491, 19374), (492, 19380), (493, 19386), (494, 19389), (504, 19434), (506, 19449), (511, 19476), (515, 19500), (517, 19509), (534, 19569), (535, 19572), (536, 19584), (546, 19626), (551, 19638), (584, 19761), (595, 19824), (612, 19887), (622, 19962), (665, 20163), (689, 20334), (698, 20373), (703, 20412), (704, 20415),

Gene: Violet_30 Start: 24645, Stop: 26498, Start Num: 264

Candidate Starts for Violet_30:

(Start: 264 @24645 has 216 MA's), (287, 24726), (313, 24792), (343, 24861), (360, 24909), (368, 24936), (385, 25014), (397, 25050), (410, 25089), (417, 25122), (426, 25173), (491, 25428), (526, 25602), (546, 25689), (587, 25845), (640, 26076), (653, 26118), (661, 26160), (673, 26220), (696, 26382), (699, 26403), (704, 26439),

Gene: Vivum_18 Start: 17344, Stop: 19881, Start Num: 45

Candidate Starts for Vivum_18:

(Start: 45 @17344 has 236 MA's), (54, 17365), (Start: 61 @17386 has 1 MA's), (74, 17425), (109, 17494), (118, 17503), (120, 17506), (127, 17524), (154, 17572), (204, 17725), (208, 17734), (228, 17779), (251, 17878), (252, 17881), (265, 17947), (284, 18022), (286, 18028), (288, 18046), (298, 18070), (300, 18076), (301, 18079), (314, 18112), (316, 18118), (327, 18148), (336, 18169), (345, 18199), (348, 18208), (353, 18223), (354, 18226), (381, 18337), (382, 18340), (383, 18349), (384, 18355), (387, 18370), (389, 18373), (397, 18394), (407, 18424), (410, 18436), (417, 18469), (441, 18580), (442, 18583), (448, 18610), (449, 18616), (462, 18670), (463, 18673), (491, 18775), (493, 18787), (494, 18790), (507, 18856), (512, 18880), (515, 18901), (517, 18910), (534, 18970), (535, 18973), (543, 19009), (546, 19027), (551, 19039), (554, 19048), (560, 19075), (578, 19132), (580, 19144), (584, 19162), (586, 19171), (587, 19183), (593, 19219), (600, 19249), (605, 19258), (607, 19270), (620, 19330), (627, 19384), (638, 19444), (644, 19486), (674, 19621), (678, 19645), (685, 19699), (689, 19747), (699, 19789), (700, 19813), (701, 19816),

Gene: Vorrrps_58 Start: 36138, Stop: 38648, Start Num: 66

Candidate Starts for Vorrrps_58:

(Start: 66 @36138 has 33 MA's), (73, 36171), (105, 36240), (106, 36243), (119, 36267), (130, 36291), (144, 36315), (155, 36348), (211, 36555), (217, 36567), (218, 36570), (255, 36717), (259, 36747),

(265, 36771), (272, 36801), (273, 36804), (281, 36831), (288, 36855), (300, 36885), (320, 36942), (329, 36966), (343, 37002), (345, 37014), (353, 37038), (354, 37041), (366, 37083), (387, 37179), (389, 37182), (453, 37437), (491, 37581), (504, 37641), (514, 37713), (515, 37716), (540, 37812), (584, 37986), (587, 38007), (610, 38100), (613, 38112), (627, 38202), (653, 38277), (662, 38322), (693, 38523), (700, 38577), (704, 38592),

Gene: Wachhund_18 Start: 17422, Stop: 19959, Start Num: 45

Candidate Starts for Wachhund_18:

(Start: 45 @17422 has 236 MA's), (54, 17443), (Start: 61 @17464 has 1 MA's), (74, 17503), (109, 17572), (118, 17581), (120, 17584), (127, 17602), (154, 17650), (207, 17809), (208, 17812), (228, 17857), (246, 17935), (251, 17956), (252, 17959), (265, 18025), (284, 18100), (286, 18106), (298, 18148), (300, 18154), (301, 18157), (314, 18190), (316, 18196), (327, 18226), (336, 18247), (345, 18277), (348, 18286), (377, 18394), (381, 18415), (382, 18418), (383, 18427), (384, 18433), (387, 18448), (389, 18451), (397, 18472), (407, 18502), (410, 18514), (417, 18547), (441, 18658), (442, 18661), (448, 18688), (449, 18694), (462, 18748), (463, 18751), (489, 18838), (491, 18853), (493, 18865), (494, 18868), (507, 18934), (515, 18979), (517, 18988), (534, 19048), (535, 19051), (543, 19087), (546, 19105), (551, 19117), (554, 19126), (560, 19153), (580, 19222), (584, 19240), (586, 19249), (587, 19261), (593, 19297), (600, 19327), (607, 19348), (614, 19372), (620, 19408), (627, 19462), (638, 19522), (644, 19564), (674, 19699), (678, 19723), (685, 19777), (689, 19825), (699, 19867), (700, 19891), (701, 19894),

Gene: Wanda_39 Start: 29807, Stop: 32362, Start Num: 45

Candidate Starts for Wanda_39:

(Start: 45 @29807 has 236 MA's), (127, 30002), (149, 30038), (154, 30053), (168, 30101), (207, 30212), (208, 30215), (222, 30245), (228, 30260), (246, 30338), (252, 30362), (265, 30428), (275, 30473), (284, 30503), (286, 30509), (288, 30527), (298, 30551), (301, 30560), (314, 30593), (316, 30599), (327, 30629), (343, 30668), (345, 30680), (348, 30689), (353, 30704), (354, 30707), (381, 30818), (382, 30821), (383, 30830), (384, 30836), (387, 30851), (389, 30854), (397, 30875), (407, 30905), (410, 30917), (417, 30950), (432, 31016), (441, 31061), (442, 31064), (448, 31091), (449, 31097), (462, 31151), (463, 31154), (489, 31241), (491, 31256), (493, 31268), (494, 31271), (507, 31337), (515, 31382), (517, 31391), (534, 31451), (535, 31454), (543, 31490), (546, 31508), (551, 31520), (554, 31529), (560, 31556), (580, 31625), (584, 31643), (586, 31652), (587, 31664), (593, 31700), (600, 31730), (607, 31751), (614, 31775), (620, 31811), (627, 31865), (638, 31925), (644, 31967), (674, 32102), (678, 32126), (685, 32180), (689, 32228), (699, 32270), (700, 32294), (701, 32297),

Gene: Watermelon_33 Start: 24981, Stop: 26834, Start Num: 264

Candidate Starts for Watermelon_33:

(Start: 264 @24981 has 216 MA's), (287, 25062), (313, 25128), (343, 25197), (360, 25245), (368, 25272), (385, 25350), (397, 25386), (417, 25458), (491, 25764), (526, 25938), (546, 26025), (587, 26181), (625, 26367), (640, 26412), (653, 26454), (661, 26496), (696, 26718), (704, 26775),

Gene: Wee_19 Start: 17971, Stop: 20508, Start Num: 45

Candidate Starts for Wee_19:

(41, 17959), (Start: 45 @17971 has 236 MA's), (54, 17992), (Start: 61 @18013 has 1 MA's), (74, 18052), (109, 18121), (118, 18130), (120, 18133), (127, 18151), (149, 18184), (154, 18199), (168, 18247), (204, 18352), (207, 18358), (208, 18361), (227, 18403), (228, 18406), (246, 18484), (265, 18574), (275, 18619), (284, 18649), (286, 18655), (288, 18673), (298, 18697), (301, 18706), (314, 18739), (316, 18745), (327, 18775), (343, 18814), (345, 18826), (348, 18835), (353, 18850), (354, 18853), (381, 18964), (382, 18967), (383, 18976), (384, 18982), (387, 18997), (389, 19000), (397, 19021), (407, 19051), (410, 19063), (417, 19096), (432, 19162), (441, 19207), (442, 19210), (448, 19237), (449, 19243), (462, 19297), (463, 19300), (489, 19387), (491, 19402), (493, 19414), (494, 19417), (507, 19483), (515, 19528), (517, 19537), (534, 19597), (535, 19600), (543, 19636), (546,

19654), (551, 19666), (554, 19675), (560, 19702), (580, 19771), (584, 19789), (586, 19798), (587, 19810), (593, 19846), (600, 19876), (607, 19897), (614, 19921), (620, 19957), (627, 20011), (638, 20071), (644, 20113), (674, 20248), (678, 20272), (685, 20326), (689, 20374), (699, 20416), (700, 20440), (701, 20443),

Gene: Weirido19_22 Start: 19521, Stop: 21416, Start Num: 260

Candidate Starts for Weirido19_22:

(257, 19515), (260, 19521), (290, 19635), (296, 19647), (338, 19758), (345, 19779), (357, 19800), (364, 19818), (408, 19962), (410, 19971), (412, 19986), (429, 20070), (452, 20175), (465, 20232), (472, 20247), (475, 20256), (476, 20259), (478, 20265), (495, 20337), (500, 20361), (502, 20376), (521, 20490), (527, 20511), (551, 20616), (562, 20667), (564, 20679), (573, 20703), (597, 20808), (603, 20829), (618, 20898), (628, 20964), (633, 20988), (686, 21234), (694, 21297), (703, 21357), (709, 21387), (710, 21393), (713, 21405),

Gene: Whatsapiecost_18 Start: 17447, Stop: 19984, Start Num: 45

Candidate Starts for Whatsapiecost_18:

(41, 17435), (Start: 45 @17447 has 236 MA's), (54, 17468), (Start: 61 @17489 has 1 MA's), (74, 17528), (109, 17597), (118, 17606), (120, 17609), (127, 17627), (149, 17660), (154, 17675), (168, 17723), (207, 17834), (208, 17837), (222, 17867), (227, 17879), (228, 17882), (246, 17960), (252, 17984), (265, 18050), (275, 18095), (284, 18125), (286, 18131), (288, 18149), (298, 18173), (301, 18182), (314, 18215), (316, 18221), (327, 18251), (343, 18290), (345, 18302), (348, 18311), (353, 18326), (354, 18329), (381, 18440), (382, 18443), (383, 18452), (384, 18458), (387, 18473), (389, 18476), (397, 18497), (407, 18527), (410, 18539), (417, 18572), (441, 18683), (442, 18686), (448, 18713), (449, 18719), (462, 18773), (463, 18776), (491, 18878), (493, 18890), (494, 18893), (507, 18959), (512, 18983), (515, 19004), (517, 19013), (534, 19073), (535, 19076), (543, 19112), (546, 19130), (551, 19142), (554, 19151), (560, 19178), (580, 19247), (584, 19265), (586, 19274), (587, 19286), (593, 19322), (600, 19352), (607, 19373), (614, 19397), (620, 19433), (627, 19487), (638, 19547), (644, 19589), (663, 19667), (674, 19724), (678, 19748), (685, 19802), (689, 19850), (699, 19892), (700, 19916), (701, 19919),

Gene: Wheeler_31 Start: 24413, Stop: 26266, Start Num: 264

Candidate Starts for Wheeler_31:

(Start: 264 @24413 has 216 MA's), (287, 24494), (313, 24560), (343, 24629), (360, 24677), (368, 24704), (385, 24782), (397, 24818), (417, 24890), (491, 25196), (526, 25370), (546, 25457), (587, 25613), (625, 25799), (640, 25844), (653, 25886), (661, 25928), (696, 26150), (704, 26207),

Gene: Whitspit_32 Start: 24765, Stop: 26618, Start Num: 264

Candidate Starts for Whitspit_32:

(Start: 264 @24765 has 216 MA's), (287, 24846), (313, 24912), (343, 24981), (360, 25029), (368, 25056), (377, 25092), (385, 25134), (397, 25170), (417, 25242), (491, 25548), (509, 25650), (526, 25722), (546, 25809), (587, 25965), (640, 26196), (653, 26238), (661, 26280), (696, 26502), (699, 26523), (704, 26559),

Gene: Whouxphf_18 Start: 17504, Stop: 20041, Start Num: 45

Candidate Starts for Whouxphf_18:

(Start: 45 @17504 has 236 MA's), (54, 17525), (Start: 61 @17546 has 1 MA's), (74, 17585), (109, 17654), (118, 17663), (120, 17666), (127, 17684), (154, 17732), (207, 17891), (208, 17894), (228, 17939), (251, 18038), (252, 18041), (284, 18182), (286, 18188), (298, 18230), (300, 18236), (301, 18239), (314, 18272), (316, 18278), (327, 18308), (336, 18329), (345, 18359), (348, 18368), (377, 18476), (380, 18488), (381, 18497), (382, 18500), (383, 18509), (384, 18515), (387, 18530), (389, 18533), (397, 18554), (410, 18596), (417, 18629), (448, 18770), (449, 18776), (462, 18830), (463, 18833), (474, 18860), (491, 18935), (493, 18947), (494, 18950), (507, 19016), (512, 19040), (515, 19061), (517, 19070), (529, 19112), (534, 19130), (535, 19133), (541, 19163), (546, 19187), (554,

19208), (580, 19304), (584, 19322), (586, 19331), (587, 19343), (593, 19379), (600, 19409), (605, 19418), (607, 19430), (620, 19490), (644, 19646), (663, 19724), (674, 19781), (678, 19805), (685, 19859), (689, 19907), (694, 19928), (700, 19973), (701, 19976),

Gene: Wiggin_29 Start: 22788, Stop: 25184, Start Num: 81

Candidate Starts for Wiggin_29:

(Start: 81 @22788 has 128 MA's), (163, 22965), (171, 22986), (238, 23133), (274, 23307), (284, 23340), (292, 23376), (327, 23469), (348, 23529), (354, 23547), (385, 23679), (399, 23724), (432, 23856), (441, 23901), (456, 23961), (488, 24075), (491, 24096), (500, 24135), (504, 24156), (506, 24171), (541, 24321), (543, 24327), (546, 24345), (561, 24399), (584, 24483), (605, 24576), (656, 24822), (689, 25038), (701, 25122), (708, 25155),

Gene: Wildcat_43 Start: 28342, Stop: 30909, Start Num: 36

Candidate Starts for Wildcat_43:

(Start: 36 @28342 has 6 MA's), (55, 28411), (100, 28534), (103, 28540), (104, 28543), (120, 28567), (129, 28588), (191, 28744), (193, 28750), (197, 28756), (216, 28786), (218, 28792), (226, 28813), (232, 28822), (245, 28882), (261, 28960), (286, 29059), (293, 29092), (300, 29107), (301, 29110), (316, 29149), (336, 29200), (343, 29218), (348, 29239), (350, 29245), (359, 29272), (365, 29299), (381, 29368), (386, 29392), (392, 29413), (399, 29434), (403, 29443), (410, 29464), (417, 29497), (418, 29500), (428, 29551), (432, 29563), (445, 29629), (450, 29647), (458, 29686), (491, 29803), (501, 29848), (511, 29905), (515, 29929), (517, 29938), (522, 29956), (534, 30001), (541, 30034), (548, 30070), (592, 30244), (593, 30262), (595, 30268), (611, 30325), (672, 30649), (675, 30667), (683, 30718), (690, 30781), (704, 30856),

Gene: Wildflower_58 Start: 35650, Stop: 38160, Start Num: 66

Candidate Starts for Wildflower_58:

(Start: 66 @35650 has 33 MA's), (73, 35683), (105, 35752), (106, 35755), (119, 35779), (130, 35803), (144, 35827), (155, 35860), (211, 36067), (217, 36079), (218, 36082), (255, 36229), (259, 36259), (265, 36283), (272, 36313), (273, 36316), (281, 36343), (288, 36367), (300, 36397), (320, 36454), (343, 36514), (345, 36526), (353, 36550), (354, 36553), (366, 36595), (387, 36691), (389, 36694), (453, 36949), (491, 37093), (504, 37153), (514, 37225), (515, 37228), (540, 37324), (584, 37498), (587, 37519), (610, 37612), (613, 37624), (627, 37714), (653, 37789), (662, 37834), (693, 38035), (700, 38089), (704, 38104),

Gene: Wilkins_31 Start: 23904, Stop: 25757, Start Num: 264

Candidate Starts for Wilkins_31:

(Start: 264 @23904 has 216 MA's), (287, 23985), (313, 24051), (343, 24120), (360, 24168), (368, 24195), (377, 24231), (385, 24273), (397, 24309), (417, 24381), (491, 24687), (526, 24861), (546, 24948), (587, 25104), (625, 25290), (640, 25335), (653, 25377), (661, 25419), (696, 25641), (704, 25698),

Gene: WillSterrel_19 Start: 18757, Stop: 21294, Start Num: 45

Candidate Starts for WillSterrel_19:

(Start: 45 @18757 has 236 MA's), (54, 18778), (Start: 61 @18799 has 1 MA's), (74, 18838), (109, 18907), (118, 18916), (120, 18919), (127, 18937), (154, 18985), (204, 19138), (208, 19147), (228, 19192), (251, 19291), (252, 19294), (265, 19360), (284, 19435), (286, 19441), (288, 19459), (298, 19483), (300, 19489), (301, 19492), (314, 19525), (316, 19531), (327, 19561), (336, 19582), (345, 19612), (348, 19621), (353, 19636), (354, 19639), (381, 19750), (382, 19753), (383, 19762), (384, 19768), (387, 19783), (389, 19786), (397, 19807), (407, 19837), (410, 19849), (417, 19882), (441, 19993), (442, 19996), (448, 20023), (449, 20029), (462, 20083), (463, 20086), (489, 20173), (491, 20188), (493, 20200), (494, 20203), (507, 20269), (512, 20293), (515, 20314), (517, 20323), (534, 20383), (535, 20386), (543, 20422), (546, 20440), (551, 20452), (554, 20461), (560, 20488), (578, 20545), (580, 20557), (584, 20575), (586, 20584), (587, 20596), (593, 20632), (600, 20662), (605,

20671), (607, 20683), (620, 20743), (627, 20797), (638, 20857), (644, 20899), (674, 21034), (678, 21058), (685, 21112), (689, 21160), (699, 21202), (700, 21226), (701, 21229),

Gene: Willez_25 Start: 21788, Stop: 24184, Start Num: 81

Candidate Starts for Willez_25:

(Start: 81 @21788 has 128 MA's), (163, 21965), (171, 21986), (238, 22133), (267, 22274), (274, 22307), (284, 22340), (292, 22376), (327, 22469), (348, 22529), (354, 22547), (385, 22679), (399, 22724), (432, 22856), (441, 22901), (456, 22961), (488, 23075), (491, 23096), (500, 23135), (504, 23156), (506, 23171), (541, 23321), (543, 23327), (546, 23345), (561, 23399), (584, 23483), (605, 23576), (656, 23822), (689, 24038), (701, 24122), (708, 24155),

Gene: Winget_59 Start: 36356, Stop: 38866, Start Num: 66

Candidate Starts for Winget_59:

(Start: 66 @36356 has 33 MA's), (73, 36389), (105, 36458), (106, 36461), (119, 36485), (130, 36509), (144, 36533), (155, 36566), (211, 36773), (217, 36785), (218, 36788), (255, 36935), (259, 36965), (265, 36989), (272, 37019), (273, 37022), (281, 37049), (288, 37073), (300, 37103), (320, 37160), (329, 37184), (343, 37220), (345, 37232), (353, 37256), (354, 37259), (366, 37301), (387, 37397), (389, 37400), (453, 37655), (491, 37799), (504, 37859), (514, 37931), (515, 37934), (540, 38030), (584, 38204), (587, 38225), (610, 38318), (613, 38330), (627, 38420), (653, 38495), (662, 38540), (693, 38741), (700, 38795), (704, 38810),

Gene: Wogge42_57 Start: 35797, Stop: 38307, Start Num: 66

Candidate Starts for Wogge42_57:

(Start: 66 @35797 has 33 MA's), (73, 35830), (105, 35899), (106, 35902), (119, 35926), (130, 35950), (144, 35974), (155, 36007), (211, 36214), (217, 36226), (218, 36229), (255, 36376), (259, 36406), (265, 36430), (272, 36460), (273, 36463), (281, 36490), (288, 36514), (300, 36544), (320, 36601), (329, 36625), (343, 36661), (345, 36673), (353, 36697), (354, 36700), (366, 36742), (387, 36838), (389, 36841), (453, 37096), (491, 37240), (504, 37300), (514, 37372), (515, 37375), (540, 37471), (584, 37645), (587, 37666), (610, 37759), (613, 37771), (627, 37861), (653, 37936), (662, 37981), (693, 38182), (700, 38236), (704, 38251),

Gene: XFactor_18 Start: 17403, Stop: 19940, Start Num: 45

Candidate Starts for XFactor_18:

(41, 17391), (Start: 45 @17403 has 236 MA's), (54, 17424), (Start: 61 @17445 has 1 MA's), (74, 17484), (109, 17553), (118, 17562), (120, 17565), (127, 17583), (149, 17616), (154, 17631), (168, 17679), (207, 17790), (208, 17793), (222, 17823), (228, 17838), (246, 17916), (252, 17940), (265, 18006), (275, 18051), (284, 18081), (286, 18087), (288, 18105), (298, 18129), (301, 18138), (314, 18171), (316, 18177), (327, 18207), (343, 18246), (345, 18258), (348, 18267), (353, 18282), (354, 18285), (381, 18396), (382, 18399), (383, 18408), (384, 18414), (387, 18429), (389, 18432), (397, 18453), (407, 18483), (410, 18495), (417, 18528), (441, 18639), (442, 18642), (448, 18669), (449, 18675), (462, 18729), (463, 18732), (491, 18834), (493, 18846), (494, 18849), (507, 18915), (512, 18939), (515, 18960), (517, 18969), (534, 19029), (535, 19032), (543, 19068), (546, 19086), (551, 19098), (554, 19107), (560, 19134), (580, 19203), (584, 19221), (586, 19230), (587, 19242), (593, 19278), (600, 19308), (607, 19329), (614, 19353), (620, 19389), (627, 19443), (638, 19503), (644, 19545), (663, 19623), (674, 19680), (678, 19704), (685, 19758), (689, 19806), (699, 19848), (700, 19872), (701, 19875),

Gene: Xandras_28 Start: 22274, Stop: 24670, Start Num: 81

Candidate Starts for Xandras_28:

(Start: 81 @22274 has 128 MA's), (163, 22451), (171, 22472), (238, 22619), (274, 22793), (284, 22826), (292, 22862), (327, 22955), (348, 23015), (354, 23033), (385, 23165), (399, 23210), (432, 23342), (441, 23387), (456, 23447), (488, 23561), (491, 23582), (500, 23621), (504, 23642), (506, 23657), (541, 23807), (543, 23813), (546, 23831), (561, 23885), (584, 23969), (605, 24062), (656,

24308), (689, 24524), (701, 24608), (708, 24641),

Gene: Xiaokay_36 Start: 29776, Stop: 31704, Start Num: 258

Candidate Starts for Xiaokay_36:

(Start: 258 @29776 has 23 MA's), (318, 29971), (377, 30139), (389, 30196), (410, 30256), (411, 30265), (463, 30493), (477, 30529), (491, 30595), (501, 30640), (511, 30697), (512, 30700), (599, 31066), (642, 31282), (644, 31309), (653, 31330), (665, 31390), (675, 31444), (684, 31510),

Gene: YangYin_22 Start: 20852, Stop: 23308, Start Num: 39

Candidate Starts for YangYin_22:

(Start: 39 @20852 has 9 MA's), (92, 20996), (145, 21080), (156, 21110), (170, 21155), (225, 21314), (252, 21431), (330, 21653), (349, 21704), (380, 21821), (396, 21887), (419, 21971), (441, 22085), (461, 22175), (465, 22190), (467, 22196), (470, 22205), (480, 22244), (486, 22271), (489, 22283), (501, 22343), (504, 22358), (524, 22454), (529, 22466), (536, 22505), (575, 22640), (586, 22682), (591, 22709), (612, 22808), (633, 22946), (664, 23102), (686, 23246), (689, 23288),

Gene: YassJohnny_27 Start: 22799, Stop: 25195, Start Num: 81

Candidate Starts for YassJohnny_27:

(Start: 81 @22799 has 128 MA's), (163, 22976), (171, 22997), (238, 23144), (267, 23285), (274, 23318), (284, 23351), (292, 23387), (327, 23480), (348, 23540), (354, 23558), (385, 23690), (399, 23735), (432, 23867), (441, 23912), (488, 24086), (491, 24107), (500, 24146), (504, 24167), (506, 24182), (543, 24338), (546, 24356), (561, 24410), (584, 24494), (605, 24587), (656, 24833), (689, 25049), (701, 25133), (708, 25166),

Gene: Yeet_37 Start: 29496, Stop: 31424, Start Num: 258

Candidate Starts for Yeet_37:

(Start: 258 @29496 has 23 MA's), (341, 29742), (381, 29880), (389, 29916), (407, 29964), (441, 30120), (462, 30210), (477, 30249), (491, 30315), (493, 30327), (494, 30330), (501, 30360), (512, 30420), (546, 30567), (554, 30588), (584, 30705), (594, 30765), (599, 30786), (617, 30864), (642, 31002), (653, 31050), (665, 31110), (675, 31164), (684, 31230), (696, 31311),

Gene: Yorick_18 Start: 17404, Stop: 19956, Start Num: 45

Candidate Starts for Yorick_18:

(Start: 45 @17404 has 236 MA's), (74, 17485), (109, 17554), (118, 17563), (120, 17566), (127, 17584), (154, 17632), (167, 17677), (207, 17791), (208, 17794), (215, 17806), (224, 17827), (227, 17836), (228, 17839), (241, 17887), (246, 17917), (259, 17983), (267, 18016), (275, 18052), (282, 18076), (300, 18136), (301, 18139), (307, 18157), (333, 18220), (335, 18223), (343, 18241), (348, 18262), (354, 18280), (362, 18307), (367, 18328), (376, 18361), (383, 18403), (384, 18409), (385, 18412), (389, 18427), (398, 18454), (399, 18457), (407, 18478), (410, 18490), (417, 18523), (438, 18616), (462, 18724), (472, 18748), (474, 18754), (479, 18772), (480, 18775), (485, 18799), (491, 18829), (497, 18853), (504, 18889), (505, 18895), (506, 18904), (511, 18931), (523, 18994), (529, 19018), (530, 19033), (541, 19075), (555, 19126), (581, 19222), (584, 19237), (586, 19246), (590, 19270), (605, 19333), (614, 19369), (670, 19675), (678, 19720), (689, 19822),

Gene: Yoshi_24 Start: 17092, Stop: 19641, Start Num: 29

Candidate Starts for Yoshi_24:

(26, 17083), (Start: 29 @17092 has 7 MA's), (Start: 45 @17152 has 236 MA's), (58, 17185), (59, 17188), (90, 17257), (102, 17287), (186, 17467), (190, 17482), (208, 17518), (212, 17524), (226, 17545), (233, 17569), (240, 17593), (272, 17740), (275, 17749), (284, 17773), (288, 17797), (298, 17821), (300, 17827), (307, 17848), (316, 17869), (327, 17899), (339, 17929), (345, 17950), (372, 18043), (376, 18058), (377, 18067), (381, 18088), (382, 18091), (407, 18175), (408, 18178), (410, 18187), (418, 18223), (424, 18262), (430, 18283), (432, 18286), (440, 18322), (444, 18343), (462, 18421), (463, 18424), (482, 18478), (493, 18538), (510, 18625), (512, 18631), (514, 18649), (515,

18652), (526, 18688), (539, 18742), (541, 18751), (559, 18829), (563, 18847), (575, 18883), (576, 18886), (580, 18904), (581, 18907), (584, 18922), (593, 18979), (596, 18991), (614, 19054), (620, 19087), (631, 19174), (641, 19222), (643, 19246), (651, 19273), (656, 19282), (662, 19321), (669, 19360), (674, 19384), (677, 19405), (689, 19501), (694, 19522), (704, 19585), (708, 19612), (712, 19621),

Gene: Youngblood_26 Start: 22452, Stop: 24848, Start Num: 81

Candidate Starts for Youngblood_26:

(Start: 81 @22452 has 128 MA's), (163, 22629), (171, 22650), (238, 22797), (267, 22938), (274, 22971), (284, 23004), (292, 23040), (327, 23133), (348, 23193), (354, 23211), (385, 23343), (399, 23388), (432, 23520), (441, 23565), (456, 23625), (488, 23739), (491, 23760), (500, 23799), (504, 23820), (506, 23835), (543, 23991), (546, 24009), (561, 24063), (584, 24147), (605, 24240), (656, 24486), (689, 24702), (701, 24786), (708, 24819),

Gene: YoureAdopted_26 Start: 20848, Stop: 23280, Start Num: 88

Candidate Starts for YoureAdopted_26:

(Start: 88 @20848 has 96 MA's), (137, 20947), (223, 21208), (230, 21229), (273, 21436), (283, 21469), (289, 21499), (320, 21571), (329, 21595), (345, 21640), (381, 21793), (388, 21838), (391, 21850), (395, 21859), (410, 21910), (446, 22090), (450, 22105), (466, 22174), (469, 22186), (494, 22291), (504, 22330), (505, 22336), (506, 22345), (525, 22426), (536, 22474), (555, 22549), (563, 22585), (584, 22657), (586, 22666), (591, 22687), (611, 22780), (627, 22876), (657, 23023), (662, 23065), (671, 23104), (682, 23179),

Gene: YoyoKar_56 Start: 35640, Stop: 38150, Start Num: 66

Candidate Starts for YoyoKar_56:

(Start: 66 @35640 has 33 MA's), (73, 35673), (105, 35742), (106, 35745), (119, 35769), (130, 35793), (144, 35817), (155, 35850), (211, 36057), (217, 36069), (218, 36072), (255, 36219), (259, 36249), (265, 36273), (272, 36303), (273, 36306), (281, 36333), (288, 36357), (300, 36387), (320, 36444), (329, 36468), (343, 36504), (345, 36516), (353, 36540), (354, 36543), (366, 36585), (387, 36681), (389, 36684), (453, 36939), (491, 37083), (504, 37143), (514, 37215), (515, 37218), (540, 37314), (584, 37488), (587, 37509), (610, 37602), (613, 37614), (627, 37704), (653, 37779), (662, 37824), (693, 38025), (700, 38079), (704, 38094),

Gene: YungJamal_63 Start: 37548, Stop: 40058, Start Num: 66

Candidate Starts for YungJamal_63:

(Start: 66 @37548 has 33 MA's), (73, 37581), (105, 37650), (106, 37653), (119, 37677), (130, 37701), (144, 37725), (155, 37758), (211, 37965), (217, 37977), (218, 37980), (255, 38127), (259, 38157), (265, 38181), (272, 38211), (273, 38214), (281, 38241), (288, 38265), (300, 38295), (320, 38352), (343, 38412), (345, 38424), (353, 38448), (354, 38451), (366, 38493), (387, 38589), (389, 38592), (453, 38847), (491, 38991), (504, 39051), (514, 39123), (515, 39126), (540, 39222), (584, 39396), (587, 39417), (610, 39510), (613, 39522), (627, 39612), (653, 39687), (662, 39732), (693, 39933), (700, 39987), (704, 40002),

Gene: Yunkel11_27 Start: 20098, Stop: 22530, Start Num: 88

Candidate Starts for Yunkel11_27:

(Start: 88 @20098 has 96 MA's), (107, 20146), (108, 20149), (114, 20158), (223, 20458), (230, 20479), (283, 20719), (320, 20821), (329, 20845), (330, 20851), (345, 20890), (381, 21043), (391, 21100), (395, 21109), (410, 21160), (448, 21346), (450, 21355), (451, 21361), (461, 21406), (466, 21424), (486, 21499), (494, 21541), (504, 21580), (505, 21586), (506, 21595), (510, 21616), (519, 21664), (534, 21709), (536, 21724), (554, 21793), (563, 21835), (586, 21916), (606, 22009), (611, 22030), (627, 22126), (671, 22354), (679, 22408), (682, 22429), (689, 22501), (692, 22519),

Gene: Zabiza_27 Start: 20879, Stop: 23311, Start Num: 88

Candidate Starts for Zabiza_27:

(Start: 88 @20879 has 96 MA's), (137, 20978), (223, 21239), (230, 21260), (273, 21467), (283, 21500), (289, 21530), (320, 21602), (329, 21626), (345, 21671), (381, 21824), (388, 21869), (391, 21881), (395, 21890), (410, 21941), (446, 22121), (450, 22136), (466, 22205), (469, 22217), (494, 22322), (504, 22361), (505, 22367), (506, 22376), (525, 22457), (536, 22505), (555, 22580), (563, 22616), (586, 22697), (591, 22718), (611, 22811), (627, 22907), (657, 23054), (662, 23096), (671, 23135), (682, 23210),

Gene: Zakhe101_58 Start: 36194, Stop: 38704, Start Num: 66

Candidate Starts for Zakhe101_58:

(Start: 66 @36194 has 33 MA's), (73, 36227), (105, 36296), (106, 36299), (119, 36323), (130, 36347), (144, 36371), (155, 36404), (211, 36611), (217, 36623), (218, 36626), (255, 36773), (259, 36803), (265, 36827), (272, 36857), (273, 36860), (281, 36887), (288, 36911), (300, 36941), (320, 36998), (343, 37058), (345, 37070), (353, 37094), (354, 37097), (366, 37139), (387, 37235), (389, 37238), (453, 37493), (491, 37637), (504, 37697), (514, 37769), (515, 37772), (540, 37868), (584, 38042), (587, 38063), (610, 38156), (613, 38168), (627, 38258), (653, 38333), (662, 38378), (693, 38579), (700, 38633), (704, 38648),

Gene: Zapner_25 Start: 17617, Stop: 20169, Start Num: 29

Candidate Starts for Zapner_25:

(26, 17608), (Start: 29 @17617 has 7 MA's), (Start: 45 @17677 has 236 MA's), (59, 17713), (102, 17812), (168, 17953), (186, 17992), (190, 18007), (208, 18043), (212, 18049), (213, 18052), (226, 18070), (233, 18094), (240, 18118), (241, 18121), (272, 18265), (275, 18274), (284, 18298), (288, 18322), (298, 18346), (300, 18352), (307, 18373), (308, 18376), (316, 18394), (327, 18427), (339, 18457), (345, 18478), (372, 18571), (376, 18586), (377, 18595), (381, 18616), (382, 18619), (392, 18661), (407, 18703), (408, 18706), (410, 18715), (416, 18742), (418, 18751), (424, 18790), (430, 18811), (432, 18814), (440, 18850), (444, 18871), (462, 18949), (463, 18952), (482, 19006), (493, 19066), (510, 19153), (512, 19159), (515, 19180), (526, 19216), (539, 19270), (541, 19279), (559, 19357), (563, 19375), (575, 19411), (576, 19414), (580, 19432), (584, 19450), (593, 19507), (596, 19519), (614, 19582), (620, 19615), (631, 19702), (641, 19750), (643, 19774), (656, 19810), (662, 19849), (669, 19888), (674, 19912), (677, 19933), (689, 20029), (694, 20050), (702, 20110), (704, 20113), (708, 20140),

Gene: Zavala_27 Start: 20854, Stop: 23286, Start Num: 88

Candidate Starts for Zavala_27:

(Start: 88 @20854 has 96 MA's), (137, 20953), (223, 21214), (230, 21235), (273, 21442), (283, 21475), (289, 21505), (320, 21577), (329, 21601), (345, 21646), (381, 21799), (388, 21844), (391, 21856), (395, 21865), (410, 21916), (446, 22096), (450, 22111), (466, 22180), (469, 22192), (486, 22255), (494, 22297), (504, 22336), (505, 22342), (506, 22351), (510, 22372), (525, 22432), (554, 22549), (563, 22591), (584, 22663), (586, 22672), (591, 22693), (606, 22765), (611, 22786), (627, 22882), (638, 22945), (671, 23110), (689, 23257),

Gene: Zebo_58 Start: 36099, Stop: 38609, Start Num: 66

Candidate Starts for Zebo_58:

(Start: 66 @36099 has 33 MA's), (73, 36132), (105, 36201), (106, 36204), (119, 36228), (130, 36252), (144, 36276), (155, 36309), (211, 36516), (217, 36528), (218, 36531), (255, 36678), (259, 36708), (265, 36732), (272, 36762), (273, 36765), (281, 36792), (288, 36816), (300, 36846), (320, 36903), (329, 36927), (343, 36963), (345, 36975), (353, 36999), (354, 37002), (366, 37044), (387, 37140), (389, 37143), (453, 37398), (491, 37542), (504, 37602), (514, 37674), (515, 37677), (540, 37773), (584, 37947), (587, 37968), (610, 38061), (613, 38073), (627, 38163), (653, 38238), (662, 38283), (693, 38484), (700, 38538), (704, 38553),

Gene: Zeeculate_31 Start: 24852, Stop: 26705, Start Num: 264

Candidate Starts for Zeeculate_31:

(Start: 264 @24852 has 216 MA's), (266, 24870), (287, 24933), (313, 24999), (343, 25068), (360, 25116), (368, 25143), (385, 25221), (417, 25329), (491, 25635), (526, 25809), (546, 25896), (587, 26052), (640, 26283), (653, 26325), (661, 26367), (696, 26589), (704, 26646),

Gene: Zelink_40 Start: 31306, Stop: 33234, Start Num: 258

Candidate Starts for Zelink_40:

(Start: 258 @31306 has 23 MA's), (318, 31501), (377, 31669), (389, 31726), (403, 31765), (411, 31795), (424, 31861), (477, 32059), (491, 32125), (501, 32170), (512, 32230), (551, 32389), (599, 32596), (644, 32839), (653, 32860), (665, 32920), (675, 32974), (684, 33040), (688, 33079), (704, 33178),

Gene: Zephyr_31 Start: 24214, Stop: 26067, Start Num: 264

Candidate Starts for Zephyr_31:

(Start: 264 @24214 has 216 MA's), (287, 24295), (313, 24361), (343, 24430), (360, 24478), (368, 24505), (385, 24583), (417, 24691), (491, 24997), (526, 25171), (546, 25258), (587, 25414), (625, 25600), (640, 25645), (653, 25687), (661, 25729), (696, 25951), (704, 26008),

Gene: Zerg_18 Start: 17367, Stop: 19904, Start Num: 45

Candidate Starts for Zerg_18:

(Start: 45 @17367 has 236 MA's), (83, 17457), (109, 17517), (118, 17526), (120, 17529), (127, 17547), (154, 17595), (204, 17748), (208, 17757), (228, 17802), (251, 17901), (252, 17904), (265, 17970), (284, 18045), (286, 18051), (288, 18069), (298, 18093), (300, 18099), (301, 18102), (314, 18135), (316, 18141), (327, 18171), (336, 18192), (345, 18222), (348, 18231), (353, 18246), (354, 18249), (381, 18360), (382, 18363), (383, 18372), (384, 18378), (387, 18393), (389, 18396), (397, 18417), (407, 18447), (410, 18459), (417, 18492), (441, 18603), (442, 18606), (448, 18633), (449, 18639), (462, 18693), (463, 18696), (489, 18783), (491, 18798), (493, 18810), (494, 18813), (507, 18879), (512, 18903), (515, 18924), (517, 18933), (534, 18993), (535, 18996), (543, 19032), (546, 19050), (551, 19062), (554, 19071), (560, 19098), (578, 19155), (580, 19167), (584, 19185), (586, 19194), (587, 19206), (593, 19242), (600, 19272), (605, 19281), (607, 19293), (620, 19353), (627, 19407), (638, 19467), (644, 19509), (674, 19644), (678, 19668), (685, 19722), (689, 19770), (699, 19812), (700, 19836), (701, 19839),

Gene: Zeuska_32 Start: 24648, Stop: 26501, Start Num: 264

Candidate Starts for Zeuska_32:

(Start: 264 @24648 has 216 MA's), (287, 24729), (313, 24795), (343, 24864), (360, 24912), (385, 25017), (397, 25053), (417, 25125), (491, 25431), (509, 25533), (526, 25605), (546, 25692), (587, 25848), (640, 26079), (653, 26121), (661, 26163), (696, 26385), (699, 26406), (704, 26442),

Gene: Zizzle_18 Start: 17375, Stop: 19900, Start Num: 45

Candidate Starts for Zizzle_18:

(Start: 45 @17375 has 236 MA's), (74, 17456), (109, 17525), (118, 17534), (120, 17537), (127, 17555), (154, 17603), (167, 17648), (207, 17762), (208, 17765), (224, 17798), (228, 17810), (246, 17888), (259, 17954), (267, 17987), (279, 18041), (284, 18053), (300, 18107), (301, 18110), (304, 18119), (317, 18152), (333, 18191), (335, 18194), (342, 18209), (343, 18212), (350, 18239), (352, 18245), (353, 18248), (354, 18251), (362, 18278), (366, 18296), (367, 18299), (383, 18374), (387, 18395), (389, 18398), (398, 18425), (407, 18449), (417, 18494), (418, 18497), (428, 18548), (442, 18611), (444, 18620), (449, 18644), (480, 18749), (481, 18752), (491, 18803), (492, 18809), (493, 18815), (494, 18818), (504, 18863), (506, 18878), (511, 18905), (515, 18929), (529, 18980), (534, 18998), (535, 19001), (536, 19013), (551, 19067), (584, 19190), (595, 19253), (612, 19316), (622, 19391), (665, 19592), (698, 19802), (703, 19841), (704, 19844),

Gene: xkcd_27 Start: 22453, Stop: 24849, Start Num: 81

Candidate Starts for xkcd_27:

(Start: 81 @22453 has 128 MA's), (163, 22630), (171, 22651), (238, 22798), (267, 22939), (274, 22972), (284, 23005), (292, 23041), (327, 23134), (348, 23194), (354, 23212), (385, 23344), (399, 23389), (432, 23521), (441, 23566), (488, 23740), (491, 23761), (500, 23800), (504, 23821), (506, 23836), (543, 23992), (546, 24010), (561, 24064), (584, 24148), (605, 24241), (656, 24487), (689, 24703), (701, 24787), (708, 24820),