

Pham 281849

1: Corvo_24 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
2: StrongArm_23 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
3: HermioneGrange_24 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
4: EyeBall_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
5: CrKilreCrisis_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
6: Graduation_26	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
7: Aidich_25 + 5	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
8: Naira_25 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
9: Nihonho_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
10: Blesser_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
11: SwissCheese_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
12: KSSJEB_24 + 4	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
13: Forsytheast_23 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
14: Magnito_23 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
15: SarFire_24 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
16: Bob3_23 + 8	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
17: Conceptit_25	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
18: Atkinbua_25	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
19: Fushigi_25	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
20: Lamina13_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
21: Oogway_23	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
22: BlackName_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
23: Gandalf20_25	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
24: Umno789_24 + 6	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
25: Igorna_23 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
26: Levia_24 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
27: Peterson_27	1	08	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
28: Gwendoluna_26 + 3	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
29: Wilkins_24 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
30: Licorice_26	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
31: McSinger_25	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
32: MrGordo_24 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
33: Small_25 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
34: BPBrebs31_25 + 9	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
35: Fascinus_23	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
36: PapeZ_26 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
37: Wheeler_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
38: Barrow1uph_23	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
39: Bigfoot_23	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
40: CactusRose_23	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
41: Marcell_24	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
42: Pelp2012_26	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
43: Killgrew_22	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
44: Target_26	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
45: SpikeB1_26 + 1	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
46: PinkPlastic_23	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
47: Bnton15_26 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
48: Gompeit16_24 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
49: Mule_24 + 2	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838
50: Agaiiana_25	1	00	147	158	176	201	252	268	274	300	321	402	428	447	467	512	528	536	516	588	640	613	683	723	752	778	794	838

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r01: PherrisBuelier_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r02: ProMouse_23	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r03: IgnatiusPatJac_23 + 1	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r04: FrogHopper_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r05: Espresso_24 + 3	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r06: Smeagol_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r07: Aistro_28	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r08: TheioniousMonk_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r09: Hope4ever_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r10: LunarLander_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r11: Magnar_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r12: Dexes_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r13: Raid_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r14: Niza_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r15: Phlippers_23	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r16: Sibs6_26 + 1	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r17: Paraseleene_23	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r18: Angientish_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r19: Rajelicia_24 + 2	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r20: Bethlehem_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r21: Homines_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r22: KikiBouba_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r23: Aitman_26 + 2	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r24: HarryOW_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r25: Jorgensen_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r26: Kykar_22	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r27: Norz_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r28: Euphoria_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r29: Scowi_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r30: Dulcie_23	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r31: Paphu_23	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r32: RidgeCB_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r33: Trait4T2_26 + 1	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r34: Monet_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r35: Jasper_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r36: Chanagan_23	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r37: A6_22 + 1	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r38: Puppet_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r39: Pinto_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r40: Trip3t_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r41: Marco3_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r42: BeesKnees_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r43: Rubeus_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r44: Sagelire_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r45: Mikhusel_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r46: GrecoEtereo_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r47: Ichabod_25	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r48: Ajay_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r49: Zeeculate_26	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880
r50: DontArgue_24	1 00	141 128	178 201	253 26	274	393 31	402	428	487 3	497	513 38	516 518	588 8	640	613 63	723	752	778	794 880

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151: Kristoff_26	71	128	141	166	183	190	210	228	244	296	314	306	339	423	459	506	548	558	596	596	614	640	688	691	718	796	800
152: Rowdy_29 + 3	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
153: Eaglepride_26	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
154: PeaceMeat_24 + 1	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
155: Edison31_25 + 1	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
156: KittenWitter_24	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
157: OKCentral20_16_25	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
158: Poompna_24	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
159: WalterMcVickey_25	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
160: Trike_23	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
161: Goose_25	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
162: Severus_24	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
163: Rebeuca_26	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
164: Chupacabra_25	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
165: Petersenlast_25 + 1	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
166: Aneem_26	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
167: Flaverint_26 + r3	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
168: Bachome_26 + 1	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
169: Timothy_26 + 1	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
170: TinyTimmy_26	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
171: Bud_26 + 3	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
172: Saskia_25	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
173: JoseJO_26	71	141	166	183	190	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
174: Rene_29	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
175: Pharaoh_26	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
176: DarqChad_17	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
177: Steady_21	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
178: Zimmar_28	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
179: Jeeves_25	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
180: Gail_25	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
181: SororFago_25	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
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183: Sunnee_24	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
184: Anon_26	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
185: Epsocamiso_28 + 1	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
186: DexHockey33_28 + 3	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
187: Warrior24_28	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
188: Battleship_23 + 3	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
189: Elle_26	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
190: Nedarya_27	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
191: Nebulosus_28	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
192: 40AC_29	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
193: MyraDea_23	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
194: Kimona_22	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
195: SemperFI_28 + 5	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
196: Trooper_26	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
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199: Bradman_25 + 2	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800
200: Delois_27	83	88	111	124	176	210	228	244	296	314	306	339	423	436	459	506	548	558	596	596	614	640	688	691	718	796	800

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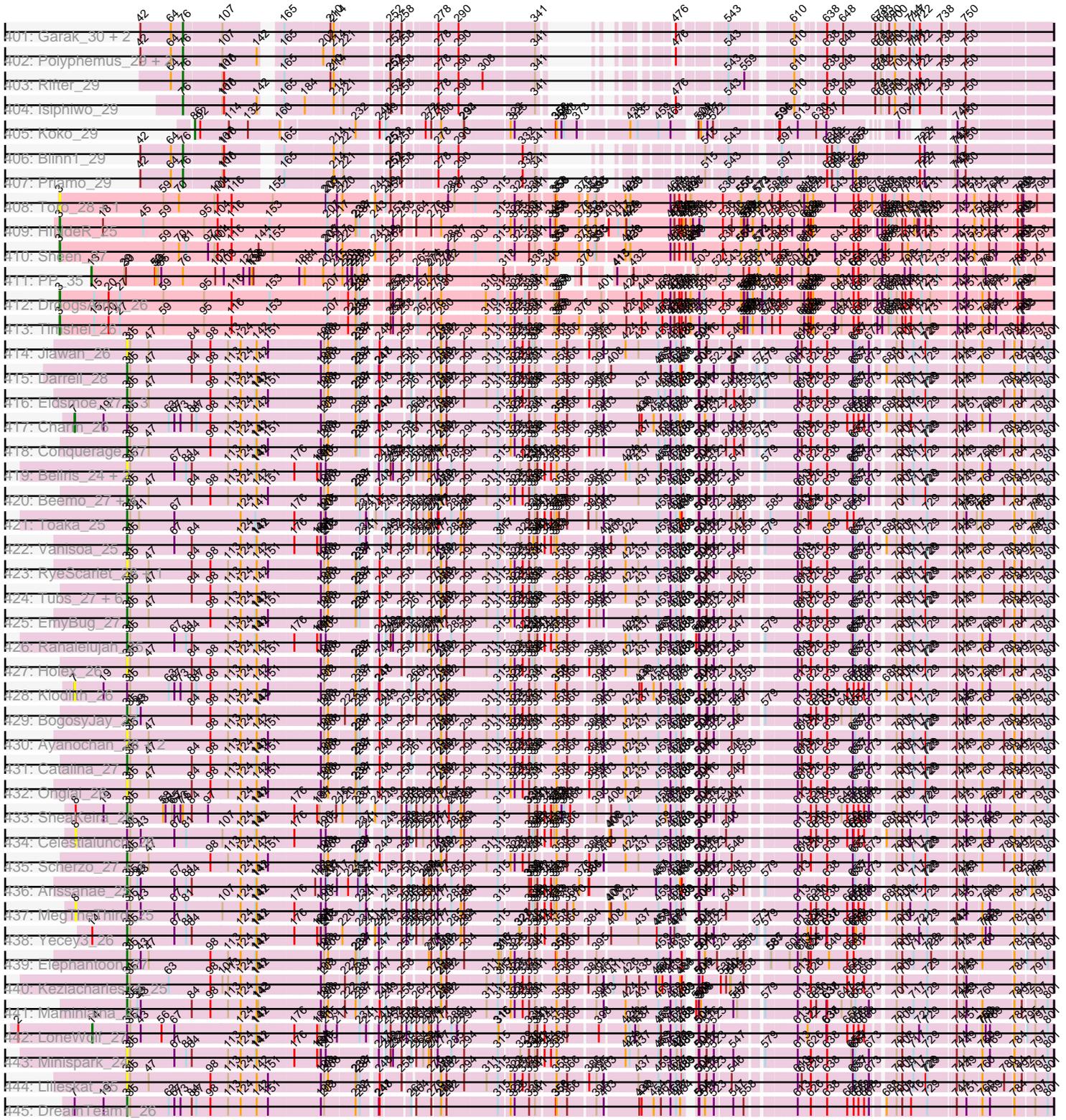
201: Jsquared_25	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
202: Herbertwm_23	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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208: QueenB2_26 + 1	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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218: Kerberos_29 + 1	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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223: AN18_29 + 3	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
224: AnnaL29_29	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
225: Leogania_28	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
226: Dignity_28	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
227: Loser_29	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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232: Sknot_26	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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234: KingCyrus_28 + 1	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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236: Malec_27	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
237: NicoleTera_30	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
238: Koduck_26	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
239: Jerm_28	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
240: LionsBait_27	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
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243: IarsusIV_26	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
244: HippoHollow_27	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
245: EZMoneyZ3830	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
246: First_0026	86	114	108	180	237	249	263	315	331	339	341	352	376	383	400	401	421	441	478	515	538	558	558	596	641	688	686	687	684	707	788
247: P18s_27	86	114	108	18																											

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251: SnapTap_26	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
252: Agape74_28 +	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
253: JoshKayV_28	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
254: DudeLittle_26	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
255: Miko_29	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
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267: LITurbo_28	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
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285: Power_26	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
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292: LBerry_28	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
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299: JobuK_28 +	86	197	190	211	249	289	296	315	339	358	404	430	438	504	558	613	680	771	1480	769
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551: Stasia_26	74	115	188	252	306	415	545	578	655	682	706	733	747	785	800					
552: Wilbur_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
553: Backyardigan_25 + 4			161	252	306	415	545	578	655	682	706	733	747	785	800					
554: Arturo_24			174	252	306	415	545	578	655	682	706	733	747	785	800					
555: PetiteSangue_25 + 4			188	252	306	415	545	578	655	682	706	733	747	785	800					
556: Albee_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
557: TygerBlood_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
558: RockieBear_24 + 1		72	174	252	306	415	545	578	655	682	706	733	747	785	800					
559: Sunk_26 + 2			188	252	306	415	545	578	655	682	706	733	747	785	800					
560: Flux_25 + 2			188	252	306	415	545	578	655	682	706	733	747	785	800					
561: Phonibonne_25 + 4			161	252	306	415	545	578	655	682	706	733	747	785	800					
562: Shygu2_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
563: Eagle_24			161	252	306	415	545	578	655	682	706	733	747	785	800					
564: Shaka_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
565: KekoraPapaka_24			188	252	306	415	545	578	655	682	706	733	747	785	800					
566: Onian_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
567: Abdel_24			161	252	306	415	545	578	655	682	706	733	747	785	800					
568: Cimron_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
569: Philippe_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
570: Nebs_25 + 1			188	252	306	415	545	578	655	682	706	733	747	785	800					
571: Lemur_25			161	252	306	415	545	578	655	682	706	733	747	785	800					
572: Tinybot_24			188	252	306	415	545	578	655	682	706	733	747	785	800					
573: Cindaradx_24			188	252	306	415	545	578	655	682	706	733	747	785	800					
574: Eris_24			188	252	306	415	545	578	655	682	706	733	747	785	800					
575: Kratarik_25 + 1			161	252	306	415	545	578	655	682	706	733	747	785	800					
576: Iracema64_26			161	252	306	415	545	578	655	682	706	733	747	785	800					
577: Noelle_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
578: Spino_25			161	252	306	415	545	578	655	682	706	733	747	785	800					
579: Mazhar510_25 + 1			188	252	306	415	545	578	655	682	706	733	747	785	800					
580: Koren_24 + 1			188	252	306	415	545	578	655	682	706	733	747	785	800					
581: Ruin_25			174	252	306	415	545	578	655	682	706	733	747	785	800					
582: Perplexer_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
583: Commander_25			161	252	306	415	545	578	655	682	706	733	747	785	800					
584: Rosa24_24			188	252	306	415	545	578	655	682	706	733	747	785	800					
585: Kremtemulon_25			161	252	306	415	545	578	655	682	706	733	747	785	800					
586: LochMonster_25			188	252	306	415	545	578	655	682	706	733	747	785	800					
587: Iceman_26			188	252	306	415	545	578	655	682	706	733	747	785	800					
588: Pippirait_25 + 1			161	252	306	415	545	578	655	682	706	733	747	785	800					
589: Jacru_22	88	108	159	213	306	334	388	416	442	501	559	617	682	739	742	796				
590: Chadwick_23			159	213	306	334	388	416	442	501	559	617	682	739	742	796				
591: PaterN_23			159	213	306	334	388	416	442	501	559	617	682	739	742	796				
592: OnionJack_22			159	213	306	334	388	416	442	501	559	617	682	739	742	796				
593: ElTiger69_22			159	213	306	334	388	416	442	501	559	617	682	739	742	796				
594: Scopia_23	88	108	159	213	306	334	388	416	442	501	559	617	682	739	742	796				
595: Benedic_25	88	108	159	213	306	334	388	416	442	501	559	617	682	739	742	796				
596: Atmid_22	42	64	101	142	168	210	252	294	336	378	420	462	504	546	588	630	672	714	756	798
597: SuperCame99_129	42	64	101	142	168	210	252	294	336	378	420	462	504	546	588	630	672	714	756	798
598: Indra_29	42	64	101	142	168	210	252	294	336	378	420	462	504	546	588	630	672	714	756	798
599: SuperAwesome_25 + 68	42	64	101	142	168	210	252	294	336	378	420	462	504	546	588	630	672	714	756	798
600: Hexamo_29 + 17	42	64	101	142	168	210	252	294	336	378	420	462	504	546	588	630	672	714	756	798



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 281849 Report

This analysis was run 02/23/26 on database version 636.

Pham number 281849 has 852 members, 104 are drafts.

Phages represented in each track:

- Track 1 : Corvo_24, Snazzy_22
- Track 2 : StrongArm_23, Bexan_23
- Track 3 : HermioneGrange_24, TwoPeat_25
- Track 4 : Eyeball_24
- Track 5 : QTRlifeCrisis_24
- Track 6 : Graduation_26
- Track 7 : Aldrich_25, GroundGoblin_25, DirtDevil_25, Noxious_25, Hermia_26, CatBus_25
- Track 8 : Naira_25, Fenn_25, Squee_25
- Track 9 : Nhonho_24
- Track 10 : Blesser_24
- Track 11 : SwissCheese_24
- Track 12 : KSSJEB_24, DreamCatcher_27, Switzer_25, Seabiscuit_26, U2_24
- Track 13 : Forsytheast_23, Moose_23
- Track 14 : Magnito_23, Turj99_23
- Track 15 : SarFire_24, Thor_24
- Track 16 : Bob3_23, Molly_25, MPlant7149_23, NEHalo_24, Jerm2_25, BigMau_26, Zephyr_24, Lopton_25, Rohr_25
- Track 17 : Conceptll_25
- Track 18 : Atkinbua_25
- Track 19 : Fushigi_25
- Track 20 : Lamina13_24
- Track 21 : Oogway_23
- Track 22 : Blackflame_24
- Track 23 : Gandalf20_25
- Track 24 : Ohno789_24, MetalQZJ_24, MaryBeth_24, Hami1_26, Gachnar_24, Whitspit_25, Teodoridan_22
- Track 25 : Iqorha_23, Inyanga_23
- Track 26 : Levia_24, PhineBark_23, StewieG_23
- Track 27 : Peterson_27
- Track 28 : Gwendoluna_26, MilleFeuille_21, Blue_24, LiBib_25
- Track 29 : Wilkins_24, Topgun_24
- Track 30 : Licorice_26
- Track 31 : McSinger_25
- Track 32 : MrGordo_24, Barriga_24, Big3_24
- Track 33 : Smairt_25, Violet_23, Maroc7_23

- Track 34 : BPBiebs31_25, Solon_24, Pita2_26, PSullivan_26, Rufus_25, Tote_26, JuliaChild_26, Ciao_24, Swole_26, Sanya_23
- Track 35 : Fascinus_23
- Track 36 : Papez_26, Francis47_24
- Track 37 : Wheeler_24
- Track 38 : BarrowTuph_23
- Track 39 : Bigfoot_23
- Track 40 : CactusRose_23
- Track 41 : Marcell_24
- Track 42 : Petp2012_26
- Track 43 : Killigrew_22
- Track 44 : Target_26
- Track 45 : SpikeBT_26, ShortQueendom_23
- Track 46 : PinkPlastic_23
- Track 47 : Briton15_26, Dynamix_25, McGuire_25
- Track 48 : Gompeii16_24, ChristmasHams_25, Bircsak_24
- Track 49 : Mule_24, Crispicous1_23, PhrostyMug_24
- Track 50 : Agaliana_25
- Track 51 : Beatrix_23
- Track 52 : Acme_26, Greg_26, Pippin_26, Fajezeel_26
- Track 53 : Mryolo_23
- Track 54 : Ruotula_23
- Track 55 : Nerujay_25, Zeuska_25, Applejack_24, KyMonks1A_26, Kugel_25, Sunshine924_23
- Track 56 : Ringer_24
- Track 57 : GageAP_26
- Track 58 : CartmannCramer_24
- Track 59 : PowerRanger_25
- Track 60 : Pepe_25
- Track 61 : Pelly_25, Marge_25, AFIS_24
- Track 62 : Tasp14_25, Parliament_23
- Track 63 : PascalRango_23
- Track 64 : ILeeKay_26, Sumter_23
- Track 65 : Aeneas_26
- Track 66 : Petruchio_24
- Track 67 : Bruns_23
- Track 68 : PattyP_26, Burton_25, Slagathor_25, Museum_26
- Track 69 : Alvin_25
- Track 70 : EnzoK_25, Buttons_25
- Track 71 : HanShotFirst_24
- Track 72 : Seanderson_25
- Track 73 : Bigchung_24, Sorpresa_24, Sandaddy_23
- Track 74 : Makemake_24
- Track 75 : Ashballer_23
- Track 76 : Gyzlar_26
- Track 77 : DrFeelGood_23
- Track 78 : DD5_25, Lockley_24, Watermelon_26
- Track 79 : Lesedi_23
- Track 80 : SkiPole_26
- Track 81 : Bones_24
- Track 82 : Payneful_24, Marchy_23
- Track 83 : Adahisdi_25
- Track 84 : Rutherford_26

- Track 85 : Doom_25
- Track 86 : Abrogate_250
- Track 87 : Abbysshoes_25, Dussy_25, Kenmech_27
- Track 88 : JackSparrow_25
- Track 89 : Dreamboat_25
- Track 90 : Trouble_24
- Track 91 : Rhynn_24
- Track 92 : Edtherson_25, Treddle_26
- Track 93 : BillKnuckles_25, Bxb1_22
- Track 94 : BigPaolini_25
- Track 95 : Marsha_24
- Track 96 : Manatee_25, Pari_25
- Track 97 : Perseus_25
- Track 98 : Carlyle_26
- Track 99 : BaconJack_26
- Track 100 : STLscum_25
- Track 101 : PherrisBueller_25
- Track 102 : ProMouse_23
- Track 103 : IgnatiusPatJac_23, BluSpix_24
- Track 104 : Froghopper_25
- Track 105 : Espresso_24, Michley_24, KBG_25, PacerPaul_24
- Track 106 : Smeagol_26
- Track 107 : Alsfro_28
- Track 108 : TheloniousMonk_26
- Track 109 : Hope4ever_24
- Track 110 : LunarLander_24
- Track 111 : Magnar_24
- Track 112 : Dexes_25
- Track 113 : Raid_25
- Track 114 : Niza_26
- Track 115 : Phlippers_23
- Track 116 : Sibs6_26, Arlo_23
- Track 117 : Paraselene_23
- Track 118 : Anglerfish_25
- Track 119 : Rajelicia_24, Arcanine_25, GMonster_23
- Track 120 : Bethlehem_24
- Track 121 : Homines_24
- Track 122 : KikiBouba_25
- Track 123 : Altman_26, Kanely_25, Cueylyss_24
- Track 124 : HarryOW_25
- Track 125 : Jorgensen_24
- Track 126 : Kykar_22
- Track 127 : Norz_26
- Track 128 : Euphoria_24
- Track 129 : Scowl_25
- Track 130 : Dulcie_23
- Track 131 : Paphu_23
- Track 132 : RidgeCB_24
- Track 133 : Traft412_26, JC27_26
- Track 134 : Monet_26
- Track 135 : Jasper_25
- Track 136 : Chanagan_23
- Track 137 : A6_22, BK1_22

- Track 138 : Puppet_24
- Track 139 : Pinto_26
- Track 140 : Tripl3t_25
- Track 141 : Marco3_24
- Track 142 : BeesKnees_25
- Track 143 : Rubeus_25
- Track 144 : Sagefire_25
- Track 145 : Mkhuseli_25
- Track 146 : GrecoEtereo_25
- Track 147 : Ichabod_25
- Track 148 : Ajay_24
- Track 149 : Zeeculate_23
- Track 150 : DontArgue_24
- Track 151 : Kristoff_26
- Track 152 : Rowdy_29, RhynO_26, DustyMartin_29, Shapes_29
- Track 153 : Eaglepride_26
- Track 154 : PeaceMeal1_24, Drake94_24
- Track 155 : Edison31_25, Twister_25
- Track 156 : KittenMittens_24
- Track 157 : OKCentral2016_25
- Track 158 : Poompha_24
- Track 159 : WalterMcMickey_25, Topanga_25
- Track 160 : Trike_23
- Track 161 : Goose_25
- Track 162 : Severus_24
- Track 163 : Rebeuca_26
- Track 164 : Chupacabra_25
- Track 165 : Petersenfast_25, Wolpertinger_25
- Track 166 : Aneem_26
- Track 167 : Flaverint_26, Salz_26, Orange_26, Jabith_26, Insomnia_26, Hutc2_26, Bowtie_26, Mabel_26, MaCh_26, Mulciber_26, Sham4_26, Lucivia_26, Kimba_26, Gilberta_26
- Track 168 : Bachome_26, Ebony_26
- Track 169 : Timothy_26, Fibonacci_26
- Track 170 : TinyTimmy_26
- Track 171 : Bud_26, Et2Brutus_25, Snape_26, Munch_26
- Track 172 : Saskia_25
- Track 173 : Joselito_26
- Track 174 : Refuge_29
- Track 175 : Pharaoh_26
- Track 176 : DARTHPhader_27
- Track 177 : Steamy_27
- Track 178 : Zimmer_28
- Track 179 : Jeeves_25
- Track 180 : Gail_25
- Track 181 : SororFago_25
- Track 182 : Luchador_27
- Track 183 : Sunhee_24
- Track 184 : Anon_26
- Track 185 : Epsocamisio_28, Strosahl_28, Boohoo_28, Oofda_28, ReMo_28, Looper_29, Remus_28, Rosalind_28, ShayRa_29, Soups_28, Waits_28, Ravana_29, Switzerland_28, LastResort_28
- Track 186 : DekHockey33_28, KatherineG_28

- Track 187 : Warrior24_28
- Track 188 : Battleship_29, JSwag_28, MinecraftSteve_29, Anaysia_28
- Track 189 : Elle_26
- Track 190 : Nedarya_27
- Track 191 : Nebulosus_28
- Track 192 : 40AC_29
- Track 193 : MyraDee_23
- Track 194 : Kimona_22
- Track 195 : SemperFi_28, QueenBeesly_26, Georgie2_27, SweetiePie_26, Crucio_26, FiringLine_26
- Track 196 : Trooper_26
- Track 197 : TipsytheTRex_25
- Track 198 : Benvolio_26, Echid_26
- Track 199 : Bradman_25, MajorMajor_25, Quokka_24
- Track 200 : Deloris_27
- Track 201 : Jsquared_25
- Track 202 : Herbertwm_23
- Track 203 : AbbyPaige_28
- Track 204 : Whabigail7_28
- Track 205 : Equemioh13_28, Baehexic_27, Gratitude_27, Terrific_30, Updawg_28, MiculUcigas_26, WideWale_28
- Track 206 : Larenn_27
- Track 207 : D29_26, D32_29, Naji_29, Travvers_29
- Track 208 : QueenB2_26, Fameo_26
- Track 209 : Colin_30
- Track 210 : Adzzy_27
- Track 211 : IronMan_28
- Track 212 : WeiHuaDA_32
- Track 213 : Flare16_26
- Track 214 : Phaded_29
- Track 215 : L5_26
- Track 216 : MissWhite_26
- Track 217 : Retro23_26, Dalmatian_26
- Track 218 : Kerberos_29, Tomathan_29
- Track 219 : Che12_28
- Track 220 : BobSwaget_29
- Track 221 : NothingSpecial_28
- Track 222 : Piro94_27
- Track 223 : ANI8_29, VC3_29, C3_24, AN9_29
- Track 224 : AnnaL29_29
- Track 225 : Leogania_28
- Track 226 : Dignity_28
- Track 227 : Loser_29
- Track 228 : AN3_26, VA6_26
- Track 229 : XianYue_26
- Track 230 : Iwokeuplikedis_27
- Track 231 : DBQu4n_29, Duplo_29
- Track 232 : Sknot_26
- Track 233 : Pukovnik_28
- Track 234 : KingCyrus_28, ChipMunk_28
- Track 235 : Anselm_26
- Track 236 : Malec_27
- Track 237 : NicoleTera_30

- Track 238 : Koduck_26
- Track 239 : Jerm_28
- Track 240 : LionsBait_27
- Track 241 : ForesterFrank_27
- Track 242 : Serenity_25
- Track 243 : TarsusIV_26
- Track 244 : HippoHollow_27
- Track 245 : EZMoney23_30
- Track 246 : First_0026
- Track 247 : Ph8s_27
- Track 248 : HarryHoudini_28
- Track 249 : CRB1_26
- Track 250 : Trixie_29
- Track 251 : SnapTap_26
- Track 252 : Agape74_28, Buggy_28
- Track 253 : JoshKayV_28
- Track 254 : DudeLittle_26
- Track 255 : Miko_29
- Track 256 : Prudy_28
- Track 257 : Drake55_28
- Track 258 : NaSiaTalie_26
- Track 259 : DeerParkTS_27
- Track 260 : RedRock_29
- Track 261 : Acolyte_26
- Track 262 : 20ES_26
- Track 263 : Rachaly_29
- Track 264 : Lokk_29
- Track 265 : Leviathan_28
- Track 266 : Tristan_27
- Track 267 : LilTurb_28
- Track 268 : LadyBird_26
- Track 269 : BabyBack_28
- Track 270 : Bactobuster_27
- Track 271 : SwirlSquare_28
- Track 272 : BiancaTri92_28
- Track 273 : GaugeLDP_28
- Track 274 : BengiVuitton_27
- Track 275 : Turbido_28
- Track 276 : Jaan_29
- Track 277 : Kalpine_29
- Track 278 : Journey13_24
- Track 279 : Centaur_28
- Track 280 : Landor_27
- Track 281 : Changeling_28
- Track 282 : StarStuff_29
- Track 283 : Pomar16_29
- Track 284 : Heffalump_28
- Track 285 : Power_26
- Track 286 : ArcherNM_28
- Track 287 : Smeagan_28
- Track 288 : EvilGenius_28
- Track 289 : Kinmap_26
- Track 290 : Chargerpower_26

- Track 291 : Texage_25, Lambert1_26, Norbert_25, Panamaxus_25, Pocahontas_26, Noella_26, ResDef_26, Hookmount_26, Popcicle_26, EtoileNova_26
- Track 292 : LBerry_27
- Track 293 : Sabinator_27, Hercules11_27, Montavir_26, TinyPebbles_27, Croquant_28, Bigflo_27, KADY_28, Cullens_27, Gwennie_26, LugYA_29, AgronaGT15_27, Dieselweasel_27, Vix_27, Wooldri_29, Anubis_29, SoYo_27, Methuselah_26, Beauxregard13_27, Louie6_27, Bxz2_26, Soshari_29, PotatoSplit_28, Misomonster_29, Penny1_27, EpicPhail_27, Marie_27, MarQuardt_27, Tiffany_27, GingkoMaracino_27, Fernando_27, BuzzBuzz_26, LarryKay_27, Colbster_27, Daishi_26, JHC117_27, GtownJaz_27, JenCasNa_27, Taurus_27, MoneyMay_27, HashRod_28
- Track 294 : Rockstar_25, JF2_25, MK4_25, Isca_25, JF4_25, B1_23
- Track 295 : Phoxy_27, Spike509_27
- Track 296 : Phranny_28, PurpleHaze_27, Pawn_27, Gemma_27, Manu_28, HaveUMetTed_28, Groupthink_28, Kalnok_28, Calvinny_28, ClownCar_28, Kalb97_28, Marius_28, Reba_28, Heliosoles_27
- Track 297 : Fred313_25, HelDan_25, Kachowdy_25, Heathen_25
- Track 298 : Margo_26, Veracruz_25, Todacoro_26, Caviar_26, QuinnKiro_25
- Track 299 : Jobu08_27, SoilDragon_27
- Track 300 : AugsMagnumOpus_29, Stagni_27, Sabia_27, Lilith_27, Farber_27, Phoebe_27, Grub_27, StepMih_27, MadMarie_27, PGHhamlin_29, Microwolf_27, Watson_27, Pembroke_27, Malinsilva_29, MuchMore_29, DaHudson_27, Mainiac_27, BreSam8_27, Lowa_27
- Track 301 : ACFishhook_27
- Track 302 : JeppNRM_28
- Track 303 : Ollie_27
- Track 304 : Giroux_26, Idleandcovert_25, Puppy_26, Bugatti_25, Clammy_25, TNguyen7_25, SaturnRing_25, BlueBird_26, Pistachio_26
- Track 305 : Zarafa_25
- Track 306 : PhishRPhriends_26
- Track 307 : Phantastic_25
- Track 308 : Chiqui_24, BabyJohn_24
- Track 309 : Roimos_25
- Track 310 : Marchesa_25, DropBear_25
- Track 311 : Scout_25
- Track 312 : BabyRay_25
- Track 313 : MA5_25
- Track 314 : Zetzy_26
- Track 315 : Aglet_27
- Track 316 : OlanP_27
- Track 317 : Rummer_27
- Track 318 : Snickers_27
- Track 319 : Grum1_27
- Track 320 : P28Green_27
- Track 321 : Grif_27
- Track 322 : Mundrea_25
- Track 323 : Alberto7_26, KFPoly_25, TroyPia_25, Chaph_25, Maverick_25, Sultana_25, Phacado_25, Thanksgivukkah_25, Bombshell_25, Wander_25, Cocoaberry_25, PeterPeter_25, Avle17_25
- Track 324 : Camperdownii_24
- Track 325 : TinaFeyge_25
- Track 326 : JetBlade_25, Connomayer_25, MeeZee_25, Palestino_24, Kye_25, Pumbaa_25, BubbleTrouble_25

- Track 327 : LHTSCC_26, Obama12_26
- Track 328 : LeoAvram_25
- Track 329 : Florean_25, Caelakin_25, Druantia_25, Citius_25, Broseidon_25, Scamp_25, Bartimeaus_25, Melvin_25, Sabertooth_25, Wizard007_25, CentreCat_25, Blackmoor_25, Bruiser_24, Sparxx_25, Baby16_25, NorthStar_25
- Track 330 : Phighter1804_25
- Track 331 : Nemo27_25, NotAPhaseMom_25, Houdini22_25, Huxley_25, SteMason_24, Gadost_25
- Track 332 : ICleared_25
- Track 333 : Dhanush_25
- Track 334 : LittleB_25
- Track 335 : Cerulean_26, BangNhom_25, ChampagnePapi_26, SheldonCooper_26
- Track 336 : LittleGuy_25
- Track 337 : Badger_25
- Track 338 : Holli_25, Mayonnaise_25, JoongJeon_25, OKaNui_26, Taquarus_25, Relief_25, Clarenza_25
- Track 339 : Lunsford_26, Deano_25
- Track 340 : Skipitt_25
- Track 341 : Bumblebee11_25, Morpher26_25, Katalie136_25
- Track 342 : Kingmustik0402_25, Millski_24, HamSlice_24
- Track 343 : Medusa_25, Jaykayelowell_25, Roosevelt_25, Annyong_25, Peaches_25
- Track 344 : Kamy_25, Funston_25, Lorenzo_25, Maxo_25
- Track 345 : Koan_25
- Track 346 : Happiness_25
- Track 347 : Eros_25
- Track 348 : Cici_25
- Track 349 : YoSam321_25
- Track 350 : Burger_24
- Track 351 : Stasia_26
- Track 352 : Wilbur_25
- Track 353 : Backyardigan_25, Wile_25, Achebe_24, Datway_25, Xena_25
- Track 354 : Arturo_24
- Track 355 : PetiteSangsue_25, AbbysRanger_25
- Track 356 : Albee_25
- Track 357 : TygerBlood_25
- Track 358 : RockieBear_24, SenorClean_25
- Track 359 : Stink_26, Miramae_25, AvatarAhPeg_26
- Track 360 : Flux_25, LappelDuVide_25, Nyxis_25
- Track 361 : Phontbonne_25, TiroTheta9_25, Polymorphads_25, Morrow_25, Eurydice_25
- Track 362 : Shygu2_25
- Track 363 : Eagle_24
- Track 364 : Shaka_25
- Track 365 : KekoraPapaka_24
- Track 366 : Ohfah_25
- Track 367 : Abdiel_24
- Track 368 : Cintron_25
- Track 369 : Phelipe_25
- Track 370 : Nebs_25, BellusTerra_25
- Track 371 : Lemur_25
- Track 372 : Tinybot_24
- Track 373 : Cindaradix_24

- Track 374 : Eris_24
- Track 375 : Kratark_25, DirtyDunning_25
- Track 376 : Iracema64_26
- Track 377 : Noelle_25
- Track 378 : Spino_25
- Track 379 : Mazhar510_25, Ulysses_24
- Track 380 : Koreni_24, Romney_25
- Track 381 : Ruin_25
- Track 382 : Perplexer_25
- Track 383 : Commander_25
- Track 384 : Rosa24_24
- Track 385 : Kremtemulon_25
- Track 386 : LochMonster_25
- Track 387 : Iceman_26
- Track 388 : Pipcraft_25, Eapen_25
- Track 389 : Jabiru_22
- Track 390 : Chadwick_23
- Track 391 : PetterN_23
- Track 392 : UnionJack_22
- Track 393 : EITiger69_22
- Track 394 : Scorpia_23
- Track 395 : Benedict_22
- Track 396 : Airmid_22
- Track 397 : SuperCallie99_29, Pmask_29
- Track 398 : Indra_29
- Track 399 : SuperAwesome_29, JewelBug_29, BennyP_29, Neeharika16_29, Kazan_29, DelvinSonDorr_28, Candra_29, GreedyLawyer_29, EricB_29, McFly_29, SmellyB_29, VohminGhazi_29, BABullseye_29, Cookiedough_29, Newrala_29, Chartreuse_29, Hoot_29, Kipper29_29, DaVinci_29
- Track 400 : Hexamo_29, CloudWang3_29, Gladiator_29, Jeffabunny_29, Blue7_29, Hammer_29, Wiks_29, BlessJoy_29, Tucker_29, ToneTone_27, Zaka_29, Lilbunny_29, Yokurt_29, Gruunaga_29, Roksolana_29, Artemis2UCLA_29, Zulu_29, WunderPhul_29
- Track 401 : Garak_30, Helmet_29, Temprado_29
- Track 402 : Polyphemus_29, Jordennis_29, Dorothea_29
- Track 403 : Rifter_29
- Track 404 : Isiphiwo_29
- Track 405 : Koko_29
- Track 406 : Blinn1_29
- Track 407 : Priamo_29
- Track 408 : Toro_28, FlyCatcher_29
- Track 409 : HINdeR_25
- Track 410 : Sheen_27
- Track 411 : PP_35
- Track 412 : DroogsArmy_26
- Track 413 : Timshel_26
- Track 414 : Jiawan_26
- Track 415 : Darrell_28
- Track 416 : Eidsmoe_27, Spouty_27, Priya_27, Alma_27
- Track 417 : Charm_26
- Track 418 : Conquerage_27
- Track 419 : Bellris_24, CogOmlette_24, WorldCup_24

- Track 420 : Beemo_27, ExplosioNervosa_27, Qobbit_27, Pioneer_27, Phonnegut_27
- Track 421 : Toaka_25
- Track 422 : Vanisoa_25
- Track 423 : RyeScarlet_28, Hanray_26
- Track 424 : Tubs_27, Aliter_27, PackMan_27, Fayely_27, Phaeder_27, Myxus_27, HortumSL17_27
- Track 425 : EmyBug_27
- Track 426 : Rahalelujah_25
- Track 427 : Horex_26
- Track 428 : Klodlith_26
- Track 429 : BogosyJay_27
- Track 430 : Ayanochan_28, EdogawaKiddo_25, Sachima_25
- Track 431 : Catalina_27
- Track 432 : Onglai_26
- Track 433 : SheaKeira_26
- Track 434 : Celestiallunch_26
- Track 435 : Scherzo_27, Ugenie5_24
- Track 436 : Arissanae_25
- Track 437 : MegTheThird_25
- Track 438 : Yecey3_26
- Track 439 : Elephantoon_27
- Track 440 : Keziacharles14_25
- Track 441 : Maminiaina_27
- Track 442 : LoneWolf_27
- Track 443 : Minispark_24
- Track 444 : Lilleskat_25
- Track 445 : DreamTeam1_26

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

The start number called the most often in the published annotations is 77, it was called in 209 of the 748 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_22, AFIS_24, Abbyshoes_25, Abrogate_250, Acme_26, Adahisdi_25, Aeneas_26, Agaliana_25, Ajay_24, Aldrich_25, Alsfro_28, Altman_26, Alvin_25, Anglerfish_25, Applejack_24, Arcanine_25, Arlo_23, Ashballer_23, Atkinbua_25, BK1_22, BPBiabs31_25, BaconJack_26, Barriga_24, BarrowTuph_23, Beatrix_23, Bethlehem_24, Bexan_23, Big3_24, BigMau_26, BigPaolini_25, Bigchungu_24, Bigfoot_23, BillKnuckles_25, Bircsak_24, Blackflame_24, Blesser_24, BluSpix_24, Blue_24, Bob3_23, Bones_24, Bruns_23, Burton_25, Buttons_25, Bxb1_22, CactusRose_23, Carlyle_26, CartmannCramer_24, CatBus_25, Chanagan_23, ChristmasHams_25, Ciao_24, ConceptII_25, Corvo_24, Crispicous1_23, Cueyllyss_24, DD5_25, Dexes_25, DirtDevil_25, Doom_25, DrFeelGood_23, DreamCatcher_27, Dreamboat_25, Dulcie_23, Dussy_25, Edtherson_25, EnzoK_25, Espresso_24, Euphoria_24, Eyeball_24, Fajezeel_26, Fascinus_23, Fenn_25, Forsytheast_23, Francis47_24, Froghopper_25, Fushigi_25, GMonster_23, Gachnar_24, GageAP_26, Gandalf20_25, Gompeii16_24, Graduation_26, GrecoEtereo_25, Greg_26, GroundGoblin_25, Gwendoluna_26, Gyzzlar_26,

Hami1_26, HanShotFirst_24, HarryOW_25, Hermia_26, HermioneGrange_24, Homines_24, ILeeKay_26, Ichabod_25, IgnatiusPatJac_23, Inyanga_23, Iqorha_23, JC27_26, JackSparrow_25, Jasper_25, Jerm2_25, Jorgensen_24, JuliaChild_26, KBG_25, KSSJEB_24, Kanely_25, Kenmech_27, Kugel_25, KyMonks1A_26, Kykar_22, Lamina13_24, Lesedi_23, Levia_24, Licorice_26, LilBib_25, Lockley_24, Lopton_25, LunarLander_24, MPlant7149_23, Magnar_24, Magnito_23, Makemake_24, Manatee_25, Marcell_24, Marchy_23, Marco3_24, Marge_25, Maroc7_23, Marsha_24, MaryBeth_24, McSinger_25, MetalQZJ_24, Michley_24, MilleFeuille_21, Mkhuseli_25, Molly_25, Monet_26, Moose_23, MrGordo_24, Mryolo_23, Mule_24, Museum_26, NEHalo_24, Naira_25, Nerujay_25, Nhonho_24, Niza_26, Norz_26, Noxious_25, Ohno789_24, Oogway_23, PSullivan_26, PacerPaul_24, Papez_26, Paphu_23, Paraselene_23, Pari_25, Parliament_23, PascalRango_23, PattyP_26, Payneful_24, Pelly_25, Pepe_25, Perseus_25, Peterson_27, Petp2012_26, Petruchio_24, PherrisBueller_25, PhineBark_23, Phippers_23, PhrostyMug_24, PinkPlastic_23, Pinto_26, Pippin_26, Pita2_26, PowerRanger_25, ProMouse_23, Puppet_24, QTRLifeCrisis_24, Rajelicia_24, Rhynn_24, RidgeCB_24, Rohr_25, Rubeus_25, Rufus_25, Ruotula_23, Rutherford_26, STLscum_25, Sagefire_25, Sandaddy_23, Sanya_23, SarFire_24, Scowl_25, Seabiscuit_26, Seanderson_25, ShortQueendom_23, Sibs6_26, SkiPole_26, Slagathor_25, Smairt_25, Smeagol_26, Snazzy_22, Solon_24, Sorpresa_24, SpikeBT_26, Squee_25, StewieG_23, StrongArm_23, Sumter_23, Sunshine924_23, SwissCheese_24, Switzer_25, Swole_26, Target_26, Tasp14_25, Teodoridan_22, Thor_24, Topgun_24, Tote_26, Traft412_26, Treddle_26, Tripl3t_25, Trouble_24, Turj99_23, TwoPeat_25, U2_24, Violet_23, Watermelon_26, Whitspit_25, Wilkins_24, Zeeculate_23, Zephyr_24, Zeuska_25,

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

- KikiBouba_25,

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

- 20ES_26, 40AC_29, ACFishhook_27, AN3_26, AN9_29, ANI8_29, AbbyPaige_28, AbbysRanger_25, Abdiel_24, Achebe_24, Acolyte_26, Adzzy_27, Agape74_28, Aglet_27, AgronaGT15_27, Airmid_22, Albee_25, Alberto7_26, Aliter_27, Alma_27, Anaysia_28, Aneem_26, AnnaL29_29, Annyong_25, Anon_26, Anselm_26, Anubis_29, ArcherNM_28, Arissanee_25, Artemis2UCLA_29, Arturo_24, AugsMagnumOpus_29, AvatarAhPeg_26, Avle17_25, Ayanochan_28, B1_23, BABullseye_29, Baby16_25, BabyBack_28, BabyJohn_24, BabyRay_25, Bachome_26, Backyardigan_25, Bactobuster_27, Badger_25, Baehexic_27, BangNhom_25, Bartimeaus_25, Battleship_29, Beauxregard13_27, Beemo_27, BeesKnees_25, Bellris_24, BellusTerra_25, Benedict_22, BengiVuitton_27, BennyP_29, Benvolio_26, BiancaTri92_28, Bigflo_27, Blackmoor_25, BlessJoy_29, Blinn1_29, Blue7_29, BlueBird_26, BobSwaget_29, BogosyJay_27, Bombshell_25, Boohoo_28, Bowtie_26, Bradman_25, BreSam8_27, Briton15_26, Broseidon_25, Bruiser_24, BubbleTrouble_25, Bud_26, Bugatti_25, Buggy_28, Bumblebee11_25, Burger_24, BuzzBuzz_26, Bxz2_26, C3_24, CRB1_26, Caelakin_25, Calvinny_28, Camperdownii_24, Candra_29, Catalina_27, Caviar_26, Celestiallunch_26, Centaur_28, CentreCat_25, Cerulean_26, Chadwick_23, ChampagnePapi_26, Changeling_28, Chaph_25, Chargerpower_26, Charm_26, Chartreuse_29, Che12_28, ChipMunk_28, Chiqui_24, Chupacabra_25, Cici_25, Cindaradix_24, Cintron_25, Citius_25, Clammy_25, Clarenza_25, CloudWang3_29, ClownCar_28, Cocoaberry_25, CogOmlette_24, Colbster_27, Colin_30, Commander_25, Connomayer_25, Conquerage_27, Cookiedough_29, Croquant_28, Crucio_26, Cullens_27, D29_26, D32_29, DBQu4n_29, DaHudson_27, DaVinci_29, Daishi_26,

Dalmatian_26, Darrell_28, DARTHPhader_27, Datway_25, Deano_25, DeerParkTS_27, DekHockey33_28, Deloris_27, DelvinSonDorr_28, Dhanush_25, Dieselweasel_27, Dignity_28, DirtyDunning_25, DontArgue_24, Dorothea_29, Drake55_28, Drake94_24, DreamTeam1_26, DroogsArmy_26, DropBear_25, Druantia_25, DudeLittle_26, Duplo_29, DustyMartin_29, Dynamix_25, EZMoney23_30, Eagle_24, Eaglepride_26, Eapen_25, Ebony_26, Echild_26, Edison31_25, EdogawaKiddo_25, Eidsmoe_27, ElTiger69_22, Elephantoon_27, Elle_26, EmyBug_27, EpicPhail_27, Epsocamisio_28, Equemioh13_28, EricB_29, Eris_24, Eros_25, Et2Brutus_25, EtoileNova_26, Eurydice_25, EvilGenius_28, ExplosioNervosa_27, Fameo_26, Farber_27, Fayely_27, Fernando_27, Fibonacci_26, FiringLine_26, First_0026, Flare16_26, Flaverint_26, Florean_25, Flux_25, FlyCatcher_29, ForesterFrank_27, Fred313_25, Funston_25, Gadost_25, Gail_25, Garak_30, GaugeLDP_28, Gemma_27, Georgie2_27, Gilberta_26, GingkoMaracino_27, Giroux_26, Gladiator_29, Goose_25, Gratitude_27, GreedyLawyer_29, Grif_27, Groupthink_28, Grub_27, Grum1_27, Gruunaga_29, GtownJaz_27, Gwennie_26, HINdeR_25, HamSlice_24, Hammer_29, Hanray_26, Happiness_25, HarryHoudini_28, HashRod_28, HaveUMetTed_28, Heathen_25, Heffalump_28, HelDan_25, Heliosoles_27, Helmet_29, Herbertwm_23, Hercules11_27, Hexamo_29, HippoHollow_27, Horex_26, Holli_25, Hookmount_26, Hoot_29, Hope4ever_24, HortumSL17_27, Houdini22_25, Hutc2_26, Huxley_25, ICleared_25, Iceman_26, Idleandcovert_25, Indra_29, Insomnia_26, Iracema64_26, IronMan_28, Isca_25, Isiphiwo_29, Iwokeuplikedis_27, JF2_25, JF4_25, JHC117_27, JSwag_28, Jaan_29, Jabiru_22, Jabith_26, Jaykayelowell_25, Jeeves_25, Jeffabunny_29, JenCasNa_27, JeppNRM_28, Jerm_28, JetBlade_25, JewelBug_29, Jiawan_26, Jobu08_27, JoongJeon_25, Jordennis_29, Joselito_26, JoshKayV_28, Journey13_24, Jsquared_25, KADY_28, KFPoly_25, Kachowdy_25, Kalb97_28, Kalnoky_28, Kalpine_29, Kampy_25, Katalie136_25, KatherineG_28, Kazan_29, KekoraPapaka_24, Kerberos_29, Keziacharles14_25, Killigrew_22, Kimba_26, Kimona_22, KingCyrus_28, Kingmustik0402_25, Kinmap_26, Kipper29_29, KittenMittens_24, Klodlith_26, Koan_25, Koduck_26, Koko_29, Koreni_24, Kratak_25, Kremtemulon_25, Kristoff_26, Kyee_25, L5_26, LBerry_27, LHTSCC_26, LadyBird_26, Lambert1_26, Landor_27, LappelDuVide_25, Larenn_27, LarryKay_27, LastResort_28, Lemur_25, LeoAvram_25, Leogania_28, Leviathan_28, LilTurb_28, Lilbunny_29, Lilith_27, Lilleskat_25, LionsBait_27, LittleB_25, LittleGuy_25, LochMonster_25, Lokk_29, LoneWolf_27, Looper_29, Lorenzo_25, Loser_29, Louie6_27, Lowa_27, Luchador_27, Lucivia_26, LugYA_29, Lunsford_26, MA5_25, MK4_25, MaCh_26, Mabel_26, MadMarie_27, Mainiac_27, MajorMajor_25, Malec_27, Malinsilva_29, Maminiaina_27, Manu_28, MarQuardt_27, Marchesa_25, Margo_26, Marie_27, Marius_28, Maverick_25, Maxo_25, Mayonnaise_25, Mazhar510_25, McFly_29, McGuire_25, Medusa_25, MeeZee_25, MegTheThird_25, Melvin_25, Methuselah_26, Microwolf_27, MiculUcigas_26, Miko_29, Millski_24, MinecraftSteve_29, Minispark_24, Miramae_25, Misomonster_29, MissWhite_26, MoneyMay_27, Montavir_26, Morpher26_25, Morrow_25, MuchMore_29, Mulciber_26, Munch_26, Mundrea_25, MyraDee_23, Myxus_27, NaSiaTalie_26, Naji_29, Nebs_25, Nebulosus_28, Nedarya_27, Neeharika16_29, Nemo27_25, Newrala_29, NicoleTera_30, Noella_26, Noelle_25, Norbert_25, NorthStar_25, NotAPhaseMom_25, NothingSpecial_28, Nyxis_25, OKCentral2016_25, OKaNui_26, Obama12_26, Ohfah_25, OlanP_27, Ollie_27, Onglai_26, Oofda_28, Orange_26, P28Green_27, PGHhamlin_29, PP_35, PackMan_27, Palestino_24, Panamaxus_25, Pawn_27, PeaceMeal1_24, Peaches_25, Pembroke_27, Penny1_27, Perplexer_25, PeterPeter_25, Petersenfast_25, PetiteSangsue_25, PetterN_23, Ph8s_27, Phacado_25, Phaded_29, Phaeder_27, Phantastic_25, Pharaoh_26, Phelipe_25, Phighter1804_25, PhishRPhriends_26, Phoebe_27, Phonnegut_27, Phontbonne_25,

Phoxy_27, Phranny_28, Pioneer_27, Pipcraft_25, Piro94_27, Pistachio_26, Pmask_29, Pocahontas_26, Polymorphads_25, Polyphemus_29, Pomar16_29, Poompha_24, Popcicle_26, PotatoSplit_28, Power_26, Priamo_29, Priya_27, Prudy_28, Pukovnik_28, Pumbaa_25, Puppy_26, PurpleHaze_27, Qobbit_27, QueenB2_26, QueenBeesly_26, QuinnKiro_25, Quokka_24, Rachaly_29, Rahalelujah_25, Raid_25, Ravana_29, ReMo_28, Reba_28, Rebeuca_26, RedRock_29, Refuge_29, Relief_25, Remus_28, ResDef_26, Retro23_26, RhynO_26, Rifter_29, Ringer_24, RockieBear_24, Rockstar_25, Roimos_25, Roksolana_29, Romney_25, Roosevelt_25, Rosa24_24, Rosalind_28, Rowdy_29, Ruin_25, Rummer_27, RyeScarlet_28, Sabertooth_25, Sabia_27, Sabinator_27, Sachima_25, Salz_26, Saskia_25, SaturnRing_25, Scamp_25, Scherzo_27, Scorpia_23, Scout_25, SemperFi_28, SenorClean_25, Serenity_25, Severus_24, Shaka_25, Sham4_26, Shapes_29, ShayRa_29, SheaKeira_26, Sheen_27, SheldonCooper_26, Shygu2_25, Skipitt_25, Sknot_26, Smeagan_28, SmellyB_29, SnapTap_26, Snape_26, Snickers_27, SoYo_27, SoilDragon_27, SororFago_25, Soshari_29, Soups_28, Sparxx_25, Spike509_27, Spino_25, Spouty_27, Stagni_27, StarStuff_29, Stasia_26, SteMason_24, Steamy_27, StepMih_27, Stink_26, Strosahl_28, Sultana_25, Sunhee_24, SuperAwesome_29, SuperCallie99_29, SweetiePie_26, SwirlSquare_28, Switzerland_28, TNguyen7_25, Taquarus_25, TarsusIV_26, Taurus_27, Temprado_29, Terrific_30, Texage_25, Thanksgivukkah_25, TheloniousMonk_26, Tiffany_27, Timothy_26, Timshel_26, TinaFeyge_25, TinyPebbles_27, TinyTimmy_26, Tinybot_24, TipsytheTRex_25, TiroTheta9_25, Toaka_25, Todacoro_26, Tomathan_29, ToneTone_27, Topanga_25, Toro_28, Travvers_29, Trike_23, Tristan_27, Trixie_29, Trooper_26, TroyPia_25, Tubs_27, Tucker_29, Turbido_28, Twister_25, TygerBlood_25, Ugenie5_24, Ulysses_24, UnionJack_22, Updawg_28, VA6_26, VC3_29, Vanisoa_25, Veracruz_25, Vix_27, VohminGhazi_29, Waits_28, WalterMcMickey_25, Wander_25, Warrior24_28, Watson_27, WeiHuaDA_32, Whabigail7_28, Wheeler_24, WideWale_28, Wiks_29, Wilbur_25, Wile_25, Wizard007_25, Wolpertinger_25, Wooldri_29, WorldCup_24, WunderPhul_29, Xena_25, XianYue_26, Yecey3_26, YoSam321_25, Yokurt_29, Zaka_29, Zarafa_25, Zetzy_26, Zimmer_28, Zulu_29,

Summary by start number:

Start 3:

- Found in 6 of 852 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DroogsArmy_26 (A7), FlyCatcher_29 (A7), HINdeR_25 (A7), Sheen_27 (A7), Timshel_26 (A7), Toro_28 (A7),

Start 4:

- Found in 8 of 852 (0.9%) of genes in pham
- Manual Annotations of this start: 8 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Airmid_22 (A5), Benedict_22 (A5), Chadwick_23 (A5), ElTiger69_22 (A5), Jabiru_22 (A5), PetterN_23 (A5), Scorpia_23 (A5), UnionJack_22 (A5),

Start 7:

- Found in 3 of 852 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 66.7% of time when present

- Phage (with cluster) where this start called: Charm_26 (A9), Klodlith_26 (A9),

Start 8:

- Found in 3 of 852 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Celestialunch_26 (A9), MegTheThird_25 (A9),

Start 9:

- Found in 5 of 852 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DARTHPhader_27 (A12), Pharaoh_26 (A12), Refuge_29 (A12), Steamy_27 (A12), Zimmer_28 (A12),

Start 10:

- Found in 1 of 852 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_26 (A2),

Start 13:

- Found in 1 of 852 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_35 (A7),

Start 14:

- Found in 2 of 852 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LoneWolf_27 (A9),

Start 16:

- Found in 44 of 852 (5.2%) of genes in pham
- Manual Annotations of this start: 33 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B1_23 (A3), BabyJohn_24 (A3), BabyRay_25 (A3), BlueBird_26 (A3), Bugatti_25 (A3), Caviar_26 (A3), Chiqui_24 (A3), Clammy_25 (A3), DropBear_25 (A3), EtoileNova_26 (A3), Fred313_25 (A3), Giroux_26 (A3), Heathen_25 (A3), HelDan_25 (A3), Hookmount_26 (A3), Idleandcovert_25 (A3), Isca_25 (A3), JF2_25 (A3), JF4_25 (A3), Kachowdy_25 (A3), Lambert1_26 (A3), MA5_25 (A3), MK4_25 (A3), Marchesa_25 (A3), Margo_26 (A3), Noella_26 (A3), Norbert_25 (A3), Panamaxus_25 (A3), Phantastic_25 (A3), Pistachio_26 (A3), Pocahontas_26 (A3), Popcicle_26 (A3), Puppy_26 (A3), QuinnKiro_25 (A3), ResDef_26 (A3), Rockstar_25 (A3), Roimos_25 (A3), SaturnRing_25 (A3), Scout_25 (A3), TNguyen7_25 (A3), Texage_25 (A3), Todacoro_26 (A3), Veracruz_25 (A3), Zarafa_25 (A3),

Start 17:

- Found in 91 of 852 (10.7%) of genes in pham
- Manual Annotations of this start: 84 of 748

- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_27 (A3), Aglet_27 (A3), AgronaGT15_27 (A3), Anubis_29 (A3), AugsMagnumOpus_29 (A3), Beauxregard13_27 (A3), Bigflo_27 (A3), BreSam8_27 (A3), BuzzBuzz_26 (A3), Bxz2_26 (A3), Calvinny_28 (A3), ClownCar_28 (A3), Colbster_27 (A3), Croquant_28 (A3), Cullens_27 (A3), DaHudson_27 (A3), Daishi_26 (A3), Dieselweasel_27 (A3), EpicPhail_27 (A3), Farber_27 (A3), Fernando_27 (A3), Gemma_27 (A3), GingkoMaracino_27 (A3), Grif_27 (A3), Groupthink_28 (A3), Grub_27 (A3), Grum1_27 (A3), GtownJaz_27 (A3), Gwennie_26 (A3), HashRod_28 (A3), HaveUMetTed_28 (A3), Heliosoles_27 (A3), Hercules11_27 (A3), JHC117_27 (A3), JenCasNa_27 (A3), JeppNRM_28 (A3), Jobu08_27 (A3), KADY_28 (A3), Kalb97_28 (A3), Kalnoky_28 (A3), Kimona_22 (A19), LBerry_27 (A3), LarryKay_27 (A3), Lilith_27 (A3), Louie6_27 (A3), Lowa_27 (A3), LugYA_29 (A3), MadMarie_27 (A3), Mainiac_27 (A3), Malinsilva_29 (A3), Manu_28 (A3), MarQuardt_27 (A3), Marie_27 (A3), Marius_28 (A3), Methuselah_26 (A3), Microwolf_27 (A3), Misomonster_29 (A3), MoneyMay_27 (A3), Montavir_26 (A3), MuchMore_29 (A3), OlanP_27 (A3), Ollie_27 (A3), P28Green_27 (A3), PGHhamlin_29 (A3), Pawn_27 (A3), Pembroke_27 (A3), Penny1_27 (A3), PhishRPhriends_26 (A3), Phoebe_27 (A3), Phoxy_27 (A3), Phranny_28 (A3), PotatoSplit_28 (A3), PurpleHaze_27 (A3), Reba_28 (A3), Rummer_27 (A3), Sabia_27 (A3), Sabinator_27 (A3), Snickers_27 (A3), SoYo_27 (A3), SoilDragon_27 (A3), Soshari_29 (A3), Spike509_27 (A3), Stagni_27 (A3), StepMih_27 (A3), Taurus_27 (A3), Tiffany_27 (A3), TinyPebbles_27 (A3), Vix_27 (A3), Watson_27 (A3), Wooldri_29 (A3), Zetzy_26 (A3),

Start 31:

- Found in 56 of 852 (6.6%) of genes in pham
- Manual Annotations of this start: 33 of 748
- Called 82.1% of time when present
- Phage (with cluster) where this start called: Aliter_27 (A9), Alma_27 (A9), Arissanae_25 (A9), Ayanochan_28 (A9), Beemo_27 (A9), Bellris_24 (A9), BogosyJay_27 (A9), Catalina_27 (A9), CogOmlette_24 (A9), Conquerage_27 (A9), Darrell_28 (A9), DreamTeam1_26 (A9), EdogawaKiddo_25 (A9), Eidsmoe_27 (A9), Elephantoon_27 (A9), EmyBug_27 (A9), ExplosioNervosa_27 (A9), Fayely_27 (A9), Hanray_26 (A9), Halex_26 (A9), HortumSL17_27 (A9), Jiawan_26 (A9), Keziacharles14_25 (A9), Lilleskat_25 (A9), Maminaiaina_27 (A9), Minispark_24 (A9), Myxus_27 (A9), Onglai_26 (A9), PackMan_27 (A9), Phaeder_27 (A9), Phonnegut_27 (A9), Pioneer_27 (A9), Priya_27 (A9), Qobbit_27 (A9), Rahalelujah_25 (A9), RyeScarlet_28 (A9), Sachima_25 (A9), Scherzo_27 (A9), SheaKeira_26 (A9), Spouty_27 (A9), Toaka_25 (A9), Tubs_27 (A9), Ugenie5_24 (A9), Vanisoa_25 (A9), WorldCup_24 (A9), Yecey3_26 (A9),

Start 32:

- Found in 2 of 852 (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: Elle_26 (A15),

Start 68:

- Found in 24 of 852 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 4.2% of time when present
- Phage (with cluster) where this start called: Nebulosus_28 (A15),

Start 71:

- Found in 28 of 852 (3.3%) of genes in pham
- Manual Annotations of this start: 22 of 748
- Called 82.1% of time when present
- Phage (with cluster) where this start called: Aneem_26 (A11), Bowtie_26 (A11), Bud_26 (A11), Et2Brutus_25 (A11), Fibonacci_26 (A11), Flaverint_26 (A11), Gilberta_26 (A11), Hutc2_26 (A11), Insomnia_26 (A11), Jabith_26 (A11), Joselito_26 (A11), Kimba_26 (A11), Lucivia_26 (A11), MaCh_26 (A11), Mabel_26 (A11), Mulciber_26 (A11), Munch_26 (A11), Orange_26 (A11), Salz_26 (A11), Sham4_26 (A11), Snape_26 (A11), Timothy_26 (A11), TinyTimmy_26 (A11),

Start 72:

- Found in 23 of 852 (2.7%) of genes in pham
- Manual Annotations of this start: 4 of 748
- Called 17.4% of time when present
- Phage (with cluster) where this start called: Anaysia_28 (A15), Battleship_29 (A15), JSwag_28 (A15), MinecraftSteve_29 (A15),

Start 74:

- Found in 167 of 852 (19.6%) of genes in pham
- Manual Annotations of this start: 124 of 748
- Called 74.3% of time when present
- Phage (with cluster) where this start called: AbbysRanger_25 (A4), Abdiel_24 (A4), Achebe_24 (A4), Albee_25 (A4), Alberto7_26 (A4), Annyong_25 (A4), AvatarAhPeg_26 (A4), Avle17_25 (A4), Baby16_25 (A4), Backyardigan_25 (A4), Badger_25 (A4), BangNhom_25 (A4), Bartimeaus_25 (A4), BellusTerra_25 (A4), Blackmoor_25 (A4), Bombshell_25 (A4), Broseidon_25 (A4), Bruiser_24 (A4), BubbleTrouble_25 (A4), Bumblebee11_25 (A4), Burger_24 (A4), Caelakin_25 (A4), Camperdownii_24 (A4), CentreCat_25 (A4), Cerulean_26 (A4), ChampagnePapi_26 (A4), Chaph_25 (A4), Cici_25 (A4), Citius_25 (A4), Clarenza_25 (A4), Cocoaberry_25 (A4), Connomayer_25 (A4), Datway_25 (A4), Deano_25 (A4), Dhanush_25 (A4), DirtyDunning_25 (A4), Drake94_24 (A10), Druantia_25 (A4), Edison31_25 (A10), Eris_24 (A4), Eros_25 (A4), Eurydice_25 (A4), Florean_25 (A4), Funston_25 (A4), Goose_25 (A10), HamSlice_24 (A4), Happiness_25 (A4), Holli_25 (A4), Iceman_26 (A4), Iracema64_26 (A4), Jaykayelowell_25 (A4), JetBlade_25 (A4), JoongJeon_25 (A4), KFPoly_25 (A4), Kampy_25 (A4), Katalie136_25 (A4), Kingmustik0402_25 (A4), Koan_25 (A4), Koreni_24 (A4), Kratark_25 (A4), Kremtemulon_25 (A4), Kristoff_26 (A10), Kyee_25 (A4), Lemur_25 (A4), LittleB_25 (A4), LittleGuy_25 (A4), Lorenzo_25 (A4), Lunsford_26 (A4), Maverick_25 (A4), Maxo_25 (A4), Mayonnaise_25 (A4), Mazhar510_25 (A4), Medusa_25 (A4), MeeZee_25 (A4), Melvin_25 (A4), Millski_24 (A4), Miramae_25 (A4), Morpher26_25 (A4), Morrow_25 (A4), Mundrea_25 (A4), Nebs_25 (A4), Noelle_25 (A4), NorthStar_25 (A4), OKaNui_26 (A4), Ohfah_25 (A4), Palestino_24 (A4), PeaceMeal1_24 (A10), Peaches_25 (A4), Perplexer_25 (A4), PeterPeter_25 (A4), PetiteSangsue_25 (A4), Phacado_25 (A4), Phelipe_25 (A4), Phighter1804_25 (A4), Phontbonne_25 (A4), Polymorphads_25 (A4), Poompha_24 (A10), Pumbaa_25 (A4), Rebeuca_26 (A10), Relief_25 (A4), Romney_25 (A4), Roosevelt_25 (A4), Ruin_25 (A4), Sabertooth_25 (A4), Scamp_25 (A4), Shaka_25 (A4), SheldonCooper_26 (A4), Shygu2_25 (A4), Sparxx_25 (A4), Stasia_26 (A4), Stink_26 (A4), Sultana_25 (A4), Taquarus_25 (A4), Thanksgivukkah_25 (A4), TiroTheta9_25 (A4), TroyPia_25 (A4), Twister_25 (A10), TygerBlood_25 (A4), Ulysses_24 (A4), Wander_25 (A4), Wile_25 (A4), Wizard007_25 (A4), Xena_25 (A4), YoSam321_25 (A4),

Start 76:

- Found in 57 of 852 (6.7%) of genes in pham
- Manual Annotations of this start: 49 of 748
- Called 96.5% of time when present
- Phage (with cluster) where this start called: 40AC_29 (A17), Artemis2UCLA_29 (A6), BABullseye_29 (A6), BennyP_29 (A6), BlessJoy_29 (A6), Blinn1_29 (A6), Blue7_29 (A6), Candra_29 (A6), Chartreuse_29 (A6), CloudWang3_29 (A6), Cookiedough_29 (A6), DaVinci_29 (A6), DelvinSonDorr_28 (A6), Dorothea_29 (A6), EricB_29 (A6), Garak_30 (A6), Gladiator_29 (A6), GreedyLawyer_29 (A6), Gruunaga_29 (A6), Hammer_29 (A6), Helmet_29 (A6), Herbertwm_23 (A2), Hexamo_29 (A6), Hoot_29 (A6), Indra_29 (A6), Isiphiwo_29 (A6), Iwokeuplikedis_27 (A2), Jeffabunny_29 (A6), JewelBug_29 (A6), Jordennis_29 (A6), Kazan_29 (A6), Kinmap_26 (A21), Kipper29_29 (A6), Lilbunny_29 (A6), McFly_29 (A6), MyraDee_23 (A18), Neeharika16_29 (A6), Newrala_29 (A6), Pmask_29 (A6), Polyphemus_29 (A6), Priamo_29 (A6), Rifter_29 (A6), Roksolana_29 (A6), SmellyB_29 (A6), SuperAwesome_29 (A6), SuperCallie99_29 (A6), Temprado_29 (A6), ToneTone_27 (A6), Tucker_29 (A6), VohminGhazi_29 (A6), Wiks_29 (A6), WunderPhul_29 (A6), Yokurt_29 (A6), Zaka_29 (A6), Zulu_29 (A6),

Start 77:

- Found in 235 of 852 (27.6%) of genes in pham
- Manual Annotations of this start: 209 of 748
- Called 99.6% of time when present
- Phage (with cluster) where this start called: A6_22 (A1), AFIS_24 (A1), Abbyshoes_25 (A1), Abrogate_250 (A1), Acme_26 (A1), Adahisdi_25 (A1), Aeneas_26 (A1), Agaliana_25 (A1), Ajay_24 (A1), Aldrich_25 (A1), Alsfro_28 (A1), Altman_26 (A1), Alvin_25 (A1), Anglerfish_25 (A1), Applejack_24 (A1), Arcanine_25 (A1), Arlo_23 (A1), Ashballer_23 (A1), Atkinbua_25 (A1), BK1_22 (A1), BPBiabs31_25 (A1), BaconJack_26 (A1), Barriga_24 (A1), BarrowTuph_23 (A1), Beatrix_23 (A1), Bethlehem_24 (A1), Bexan_23 (A1), Big3_24 (A1), BigMau_26 (A1), BigPaolini_25 (A1), Bigchungi_24 (A1), Bigfoot_23 (A1), BillKnuckles_25 (A1), Bircsak_24 (A1), Blackflame_24 (A1), Blesser_24 (A1), BluSpix_24 (A1), Blue_24 (A1), Bob3_23 (A1), Bones_24 (A1), Bruns_23 (A1), Burton_25 (A1), Buttons_25 (A1), Bxb1_22 (A1), CactusRose_23 (A1), Carlyle_26 (A1), CartmannCramer_24 (A1), CatBus_25 (A1), Chanagan_23 (A1), ChristmasHams_25 (A1), Ciao_24 (A1), Conceptll_25 (A1), Corvo_24 (A1), Crispicous1_23 (A1), Cueylyss_24 (A1), DD5_25 (A1), Dexes_25 (A1), DirtDevil_25 (A1), Doom_25 (A1), DrFeelGood_23 (A1), DreamCatcher_27 (A1), Dreamboat_25 (A1), Dulcie_23 (A1), Dussy_25 (A1), Edtherson_25 (A1), EnzoK_25 (A1), Espresso_24 (A1), Euphoria_24 (A1), Eyeball_24 (A1), Fajezeel_26 (A1), Fascinus_23 (A1), Fenn_25 (A1), Forsytheast_23 (A1), Francis47_24 (A1), Frogopper_25 (A1), Fushigi_25 (A1), GMonster_23 (A1), Gachnar_24 (A1), GageAP_26 (A1), Gandalf20_25 (A1), Gompeii16_24 (A1), Graduation_26 (A1), GrecoEtereo_25 (A1), Greg_26 (A1), GroundGoblin_25 (A1), Gwendoluna_26 (A1), Gyzlar_26 (A1), Hami1_26 (A1), HanShotFirst_24 (A1), HarryOW_25 (A1), Hermia_26 (A1), HermioneGrange_24 (A1), Homines_24 (A1), ILeeKay_26 (A1), Ichabod_25 (A1), IgnatiusPatJac_23 (A1), Inyanga_23 (A1), Iqorha_23 (A1), JC27_26 (A1), JackSparrow_25 (A1), Jasper_25 (A1), Jerm2_25 (A1), Jorgensen_24 (A1), JuliaChild_26 (A1), KBG_25 (A1), KSSJEB_24 (A1), Kanely_25 (A1), Kenmech_27 (A1), Kugel_25 (A1), KyMonks1A_26 (A1), Kykar_22 (A1), Lamina13_24 (A1), Lesedi_23 (A1), Levia_24 (A1), Licorice_26 (A1), LilBib_25 (A1), Lockley_24 (A1), Lopton_25 (A1), LunarLander_24 (A1), MPlant7149_23 (A1), Magnar_24 (A1), Magnito_23 (A1), Makemake_24 (A1), Manatee_25 (A1), Marcell_24 (A1), Marchy_23 (A1), Marco3_24 (A1), Marge_25 (A1), Maroc7_23 (A1),

Marsha_24 (A1), MaryBeth_24 (A1), McSinger_25 (A1), MetalQZJ_24 (A1), Michley_24 (A1), MilleFeuille_21 (A1), Mkhusei_25 (A1), Molly_25 (A1), Monet_26 (A1), Moose_23 (A1), MrGordo_24 (A1), Mryolo_23 (A1), Mule_24 (A1), Museum_26 (A1), NEHalo_24 (A1), Naira_25 (A1), Nerujay_25 (A1), Nhonho_24 (A1), Niza_26 (A1), Norz_26 (A1), Noxious_25 (A1), Ohno789_24 (A1), Oogway_23 (A1), PSullivan_26 (A1), PacerPaul_24 (A1), Papez_26 (A1), Paphu_23 (A1), Paraselene_23 (A1), Pari_25 (A1), Parliament_23 (A1), PascalRango_23 (A1), PattyP_26 (A1), Payneful_24 (A1), Pelly_25 (A1), Pepe_25 (A1), Perseus_25 (A1), Peterson_27 (A1), Petp2012_26 (A1), Petruccio_24 (A1), PherrisBueller_25 (A1), PhineBark_23 (A1), Phlippers_23 (A1), PhrostyMug_24 (A1), PinkPlastic_23 (A1), Pinto_26 (A1), Pippin_26 (A1), Pita2_26 (A1), PowerRanger_25 (A1), ProMouse_23 (A1), Puppet_24 (A1), QTRLifeCrisis_24 (A1), Rajelicia_24 (A1), Rhynn_24 (A1), RidgeCB_24 (A1), Rohr_25 (A1), Rubeus_25 (A1), Rufus_25 (A1), Ruotula_23 (A1), Rutherferd_26 (A1), STLscum_25 (A1), Sagefire_25 (A1), Sandaddy_23 (A1), Sanya_23 (A1), SarFire_24 (A1), Scowl_25 (A1), Seabiscuit_26 (A1), Seanderson_25 (A1), ShortQueendom_23 (A1), Sibs6_26 (A1), SkiPole_26 (A1), Slagathor_25 (A1), Smairt_25 (A1), Smeagol_26 (A1), Snazzy_22 (A1), Solon_24 (A1), Sorpresa_24 (A1), SpikeBT_26 (A1), Squee_25 (A1), StewieG_23 (A1), StrongArm_23 (A1), Sumter_23 (A1), Sunshine924_23 (A1), SwissCheese_24 (A1), Switzer_25 (A1), Swole_26 (A1), Target_26 (A1), Tasp14_25 (A1), Teodoridan_22 (A1), Thor_24 (A1), Topgun_24 (A1), Tote_26 (A1), Traft412_26 (A1), Treddle_26 (A1), Tripl3t_25 (A1), Trouble_24 (A1), Turj99_23 (A1), TwoPeat_25 (A1), U2_24 (A1), Violet_23 (A1), Watermelon_26 (A1), Whitspit_25 (A1), Wilkins_24 (A1), Zeeculate_23 (A1), Zephyr_24 (A1), Zeuska_25 (A1),

Start 78:

- Found in 29 of 852 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 748
- Called 17.2% of time when present
- Phage (with cluster) where this start called: Bachome_26 (A11), Ebony_26 (A11), Petersenfast_25 (A11), Saskia_25 (A11), Wolpertinger_25 (A11),

Start 79:

- Found in 9 of 852 (1.1%) of genes in pham
- Manual Annotations of this start: 8 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BeesKnees_25 (A1), Briton15_26 (A1), Dynamix_25 (A1), Hope4ever_24 (A1), McGuire_25 (A1), Raid_25 (A1), Ringer_24 (A1), TheloniousMonk_26 (A1), Wheeler_24 (A1),

Start 80:

- Found in 1 of 852 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Killigrew_22 (A1),

Start 85:

- Found in 4 of 852 (0.5%) of genes in pham
- Manual Annotations of this start: 3 of 748
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Adzzy_27 (A2), Che12_28 (A2), Ph8s_27 (A2),

Start 86:

- Found in 108 of 852 (12.7%) of genes in pham
- Manual Annotations of this start: 90 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 20ES_26 (A2), AN3_26 (A2), AN9_29 (A2), AN18_29 (A2), AbbyPaige_28 (A2), Agape74_28 (A2), AnnaL29_29 (A2), Anselm_26 (A2), ArcherNM_28 (A2), BabyBack_28 (A2), Baehexic_27 (A2), BengiVuitton_27 (A2), Benvolio_26 (A2), BiancaTri92_28 (A2), BobSwaget_29 (A2), Bradman_25 (A2), Buggy_28 (A2), C3_24 (A2), CRB1_26 (A2), Centaur_28 (A2), Changeling_28 (A2), ChipMunk_28 (A2), Colin_30 (A2), Crucio_26 (A2), D29_26 (A2), D32_29 (A2), DBQu4n_29 (A2), Dalmatian_26 (A2), DeerParkTS_27 (A2), Deloris_27 (A2), Dignity_28 (A2), Drake55_28 (A2), DudeLittle_26 (A2), Duplo_29 (A2), EZMoney23_30 (A2), Echild_26 (A2), Equemioh13_28 (A2), EvilGenius_28 (A2), Fameo_26 (A2), FiringLine_26 (A2), First_0026 (A2), Flare16_26 (A2), ForesterFrank_27 (A2), GaugeLDP_28 (A2), Georgie2_27 (A2), Gratitude_27 (A2), HarryHoudini_28 (A2), Heffalump_28 (A2), HippoHollow_27 (A2), Jerm_28 (A2), JoshKayV_28 (A2), Journey13_24 (A2), Jsquared_25 (A2), Kalpine_29 (A2), Kerberos_29 (A2), KingCyrus_28 (A2), Koduck_26 (A2), Koko_29 (A6), L5_26 (A2), LadyBird_26 (A2), Larenn_27 (A2), Leogania_28 (A2), Leviathan_28 (A2), LilTurb_28 (A2), LionsBait_27 (A2), Loka_29 (A2), Loser_29 (A2), MajorMajor_25 (A2), Malec_27 (A2), MiculUcigas_26 (A2), Miko_29 (A2), MissWhite_26 (A2), NaSiaTalie_26 (A2), Naji_29 (A2), NicoleTera_30 (A2), NothingSpecial_28 (A2), Piro94_27 (A2), Pomar16_29 (A2), Power_26 (A2), Prudy_28 (A2), QueenB2_26 (A2), QueenBeesly_26 (A2), Quokka_24 (A2), Rachaly_29 (A2), RedRock_29 (A2), Retro23_26 (A2), SemperFi_28 (A2), Serenity_25 (A2), Sknot_26 (A2), Smeagan_28 (A2), SnapTap_26 (A2), StarStuff_29 (A2), SweetiePie_26 (A2), TarsusIV_26 (A2), Terrific_30 (A2), TopsytheTRex_25 (A2), Tomathan_29 (A2), Travvers_29 (A2), Trixie_29 (A2), Trooper_26 (A2), Turbido_28 (A2), Updawg_28 (A2), VA6_26 (A2), VC3_29 (A2), WeiHuaDA_32 (A2), Whabigail7_28 (A2), WideWale_28 (A2), XianYue_26 (A2),

Start 88:

- Found in 4 of 852 (0.5%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: SwirlSquare_28 (A2),

Start 89:

- Found in 1 of 852 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_26 (A15),

Start 90:

- Found in 208 of 852 (24.4%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: KikiBouba_25 (A1),

Start 107:

- Found in 268 of 852 (31.5%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 0.4% of time when present

- Phage (with cluster) where this start called: SororFago_25 (A14),

Start 108:

- Found in 11 of 852 (1.3%) of genes in pham
- Manual Annotations of this start: 6 of 748
- Called 54.5% of time when present
- Phage (with cluster) where this start called: Chargerpower_26 (A22), Gail_25 (A14), Luchador_27 (A14), Phaded_29 (A2), Pukovnik_28 (A2), Tristan_27 (A2),

Start 111:

- Found in 3 of 852 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DontArgue_24 (A10),

Start 114:

- Found in 55 of 852 (6.5%) of genes in pham
- Manual Annotations of this start: 5 of 748
- Called 10.9% of time when present
- Phage (with cluster) where this start called: Bactobuster_27 (A2), IronMan_28 (A2), Jaan_29 (A2), Jeeves_25 (A14), Landor_27 (A2), Sunhee_24 (A14),

Start 115:

- Found in 357 of 852 (41.9%) of genes in pham
- Manual Annotations of this start: 23 of 748
- Called 7.3% of time when present
- Phage (with cluster) where this start called: Arturo_24 (A4), Cintron_25 (A4), Commander_25 (A4), Eagle_24 (A4), Eapen_25 (A4), Flux_25 (A4), Gadost_25 (A4), Houdini22_25 (A4), Huxley_25 (A4), ICleared_25 (A4), LHTSCC_26 (A4), LappelDuVide_25 (A4), LochMonster_25 (A4), Nemo27_25 (A4), NotAPhaseMom_25 (A4), Nyxis_25 (A4), Obama12_26 (A4), Pipcraft_25 (A4), RockieBear_24 (A4), SenorClean_25 (A4), Skipitt_25 (A4), Spino_25 (A4), SteMason_24 (A4), TinaFeyge_25 (A4), Tinybot_24 (A4), Wilbur_25 (A4),

Start 120:

- Found in 23 of 852 (2.7%) of genes in pham
- Manual Annotations of this start: 17 of 748
- Called 78.3% of time when present
- Phage (with cluster) where this start called: Boohoo_28 (A15), DekHockey33_28 (A15), Epsocamisio_28 (A15), KatherineG_28 (A15), LastResort_28 (A15), Looper_29 (A15), Nedarya_27 (A15), Oofda_28 (A15), Ravana_29 (A15), ReMo_28 (A15), Remus_28 (A15), Rosalind_28 (A15), ShayRa_29 (A15), Soups_28 (A15), Strosahl_28 (A15), Switzerland_28 (A15), Waits_28 (A15), Warrior24_28 (A15),

Start 121:

- Found in 275 of 852 (32.3%) of genes in pham
- Manual Annotations of this start: 10 of 748
- Called 5.5% of time when present
- Phage (with cluster) where this start called: Chupacabra_25 (A10), DustyMartin_29 (A10), Eaglepride_26 (A10), KekoraPapaka_24 (A4), KittenMittens_24 (A10), LeoAvram_25 (A4), OKCentral2016_25 (A10), RhynO_26 (A10), Rosa24_24 (A4), Rowdy_29 (A10), Severus_24 (A10), Shapes_29 (A10), Topanga_25 (A10), Trike_23 (A10), WalterMcMickey_25 (A10),

Start 129:

- Found in 33 of 852 (3.9%) of genes in pham
- Manual Annotations of this start: 1 of 748
- Called 3.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_24 (A4),

Summary by clusters:

There are 18 clusters represented in this pham: A15, A14, A17, A11, A10, A12, A19, A18, A22, A1, A3, A2, A5, A4, A7, A6, A9, A21,

Info for manual annotations of cluster A1:

- Start number 77 was manually annotated 209 times for cluster A1.
- Start number 79 was manually annotated 8 times for cluster A1.
- Start number 80 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 74 was manually annotated 8 times for cluster A10.
- Start number 121 was manually annotated 9 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 71 was manually annotated 22 times for cluster A11.
- Start number 78 was manually annotated 2 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 9 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 107 was manually annotated 1 time for cluster A14.
- Start number 108 was manually annotated 2 times for cluster A14.
- Start number 114 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:

- Start number 68 was manually annotated 1 time for cluster A15.
- Start number 72 was manually annotated 4 times for cluster A15.
- Start number 89 was manually annotated 1 time for cluster A15.
- Start number 120 was manually annotated 17 times for cluster A15.

Info for manual annotations of cluster A18:

- Start number 76 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 17 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 10 was manually annotated 1 time for cluster A2.
- Start number 76 was manually annotated 2 times for cluster A2.
- Start number 85 was manually annotated 3 times for cluster A2.
- Start number 86 was manually annotated 89 times for cluster A2.
- Start number 108 was manually annotated 3 times for cluster A2.
- Start number 114 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A22:

- Start number 108 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 16 was manually annotated 33 times for cluster A3.
- Start number 17 was manually annotated 83 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 74 was manually annotated 116 times for cluster A4.
- Start number 115 was manually annotated 23 times for cluster A4.
- Start number 121 was manually annotated 1 time for cluster A4.
- Start number 129 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:

- Start number 4 was manually annotated 8 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 76 was manually annotated 46 times for cluster A6.
- Start number 86 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A7:

- Start number 3 was manually annotated 4 times for cluster A7.
- Start number 13 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A9:

- Start number 7 was manually annotated 1 time for cluster A9.
- Start number 14 was manually annotated 1 time for cluster A9.
- Start number 31 was manually annotated 33 times for cluster A9.

Gene Information:

Gene: 20ES_26 Start: 16642, Stop: 19185, Start Num: 86

Candidate Starts for 20ES_26:

(28, 16390), (Start: 86 @16642 has 90 MA's), (135, 16822), (137, 16825), (147, 16855), (187, 16990), (190, 16999), (194, 17020), (197, 17029), (207, 17050), (217, 17083), (224, 17116), (249, 17209), (259, 17257), (261, 17275), (268, 17287), (272, 17308), (276, 17329), (279, 17350), (280, 17353), (315, 17539), (325, 17581), (326, 17590), (328, 17599), (341, 17656), (358, 17722), (366, 17761), (393, 17848), (424, 17947), (459, 18067), (462, 18076), (464, 18082), (465, 18091), (469, 18112), (479, 18136), (489, 18157), (505, 18178), (510, 18187), (518, 18217), (522, 18229), (528, 18244), (546, 18286), (582, 18379), (585, 18388), (596, 18415), (613, 18478), (655, 18661), (707, 18751), (711, 18760), (745, 18871), (750, 18901), (769, 18985),

Gene: 40AC_29 Start: 18647, Stop: 21385, Start Num: 76

Candidate Starts for 40AC_29:

(Start: 76 @18647 has 49 MA's), (Start: 107 @18758 has 1 MA's), (Start: 129 @18836 has 1 MA's), (138, 18860), (158, 18884), (185, 18989), (189, 18998), (196, 19028), (210, 19064), (231, 19145), (233, 19151), (234, 19154), (235, 19157), (256, 19265), (272, 19352), (274, 19364), (276, 19373), (290, 19457), (299, 19499), (317, 19595), (323, 19631), (332, 19673), (339, 19709), (343, 19736), (357, 19796), (442, 20042), (466, 20111), (468, 20123), (520, 20273), (563, 20399), (612, 20549),

(614, 20561), (632, 20645), (680, 20831), (713, 20936), (722, 20966), (724, 20975), (745, 21074), (750, 21104), (763, 21170), (769, 21182), (797, 21323),

Gene: A6_22 Start: 15930, Stop: 18401, Start Num: 77

Candidate Starts for A6_22:

(Start: 77 @15930 has 209 MA's), (90, 15969), (Start: 107 @16032 has 1 MA's), (Start: 115 @16062 has 23 MA's), (Start: 121 @16083 has 10 MA's), (128, 16104), (133, 16116), (176, 16134), (182, 16158), (201, 16224), (210, 16251), (252, 16422), (258, 16455), (274, 16521), (321, 16776), (325, 16797), (331, 16824), (339, 16863), (402, 16983), (428, 17019), (467, 17112), (473, 17133), (497, 17190), (543, 17310), (554, 17346), (566, 17376), (578, 17412), (598, 17478), (605, 17499), (617, 17541), (640, 17640), (675, 17781), (683, 17802), (741, 18033), (752, 18114), (778, 18225), (794, 18312), (798, 18351), (799, 18366),

Gene: ACFishhook_27 Start: 16138, Stop: 19164, Start Num: 17

Candidate Starts for ACFishhook_27:

(11, 16084), (Start: 17 @16138 has 84 MA's), (36, 16252), (48, 16318), (49, 16321), (51, 16330), (60, 16366), (69, 16417), (93, 16489), (106, 16561), (141, 16681), (142, 16684), (158, 16753), (170, 16798), (197, 16891), (203, 16900), (217, 16945), (226, 16984), (233, 17008), (237, 17020), (245, 17053), (249, 17071), (253, 17092), (264, 17140), (267, 17146), (269, 17161), (272, 17170), (274, 17182), (276, 17191), (292, 17284), (312, 17371), (315, 17401), (316, 17404), (323, 17431), (325, 17443), (336, 17497), (341, 17518), (346, 17548), (358, 17584), (393, 17710), (411, 17764), (424, 17809), (438, 17857), (452, 17899), (453, 17908), (462, 17938), (484, 18010), (488, 18016), (504, 18037), (505, 18040), (512, 18052), (553, 18169), (555, 18178), (585, 18250), (587, 18253), (600, 18289), (605, 18310), (613, 18340), (614, 18343), (617, 18352), (656, 18535), (678, 18601), (681, 18613), (701, 18655), (718, 18718), (734, 18775), (744, 18844), (751, 18880), (770, 18961), (796, 19096), (797, 19108),

Gene: AFIS_24 Start: 16262, Stop: 18922, Start Num: 77

Candidate Starts for AFIS_24:

(Start: 77 @16262 has 209 MA's), (90, 16301), (Start: 107 @16364 has 1 MA's), (110, 16370), (Start: 115 @16394 has 23 MA's), (128, 16436), (252, 16745), (265, 16808), (276, 16853), (281, 16877), (295, 16952), (298, 16964), (369, 17285), (467, 17615), (489, 17666), (497, 17693), (567, 17897), (603, 18011), (605, 18020), (612, 18041), (617, 18062), (640, 18161), (648, 18203), (649, 18206), (688, 18335), (714, 18419), (726, 18464), (778, 18746), (794, 18833), (798, 18872), (799, 18887),

Gene: AN3_26 Start: 16626, Stop: 19163, Start Num: 86

Candidate Starts for AN3_26:

(Start: 86 @16626 has 90 MA's), (135, 16806), (137, 16809), (150, 16857), (187, 16968), (190, 16977), (194, 16998), (197, 17007), (207, 17028), (217, 17061), (224, 17094), (249, 17187), (259, 17235), (261, 17253), (268, 17265), (272, 17286), (276, 17307), (279, 17328), (280, 17331), (315, 17517), (325, 17559), (326, 17568), (341, 17634), (358, 17700), (363, 17727), (366, 17739), (393, 17826), (424, 17925), (459, 18045), (462, 18054), (464, 18060), (465, 18069), (469, 18090), (479, 18114), (489, 18135), (505, 18156), (508, 18162), (518, 18195), (522, 18207), (546, 18264), (585, 18366), (596, 18393), (613, 18456), (707, 18729), (711, 18738), (745, 18849), (750, 18879), (769, 18963),

Gene: AN9_29 Start: 16651, Stop: 19164, Start Num: 86

Candidate Starts for AN9_29:

(Start: 86 @16651 has 90 MA's), (135, 16831), (137, 16834), (172, 16945), (217, 17080), (232, 17140), (237, 17155), (244, 17185), (245, 17188), (261, 17272), (269, 17296), (275, 17320), (279, 17347), (280, 17350), (303, 17461), (315, 17536), (322, 17563), (325, 17578), (336, 17632), (341, 17653), (358, 17719), (361, 17737), (363, 17746), (393, 17845), (403, 17878), (407, 17887), (424, 17944), (430, 17959), (459, 18064), (505, 18175), (512, 18187), (513, 18193), (522, 18226), (569, 18346), (613, 18475), (618, 18490), (626, 18520), (630, 18532), (637, 18568), (664, 18682), (678, 18694),

(703, 18736), (761, 18943), (768, 18961), (769, 18964), (802, 19150),

Gene: ANI8_29 Start: 16651, Stop: 19164, Start Num: 86

Candidate Starts for ANI8_29:

(Start: 86 @16651 has 90 MA's), (135, 16831), (137, 16834), (172, 16945), (217, 17080), (232, 17140), (237, 17155), (244, 17185), (245, 17188), (261, 17272), (269, 17296), (275, 17320), (279, 17347), (280, 17350), (303, 17461), (315, 17536), (322, 17563), (325, 17578), (336, 17632), (341, 17653), (358, 17719), (361, 17737), (363, 17746), (393, 17845), (403, 17878), (407, 17887), (424, 17944), (430, 17959), (459, 18064), (505, 18175), (512, 18187), (513, 18193), (522, 18226), (569, 18346), (613, 18475), (618, 18490), (626, 18520), (630, 18532), (637, 18568), (664, 18682), (678, 18694), (703, 18736), (761, 18943), (768, 18961), (769, 18964), (802, 19150),

Gene: AbbyPaige_28 Start: 17120, Stop: 19663, Start Num: 86

Candidate Starts for AbbyPaige_28:

(Start: 86 @17120 has 90 MA's), (135, 17300), (137, 17303), (147, 17333), (188, 17471), (190, 17477), (194, 17498), (197, 17507), (203, 17516), (207, 17528), (220, 17573), (224, 17594), (237, 17636), (249, 17687), (258, 17732), (259, 17735), (261, 17753), (272, 17786), (274, 17798), (276, 17807), (279, 17828), (280, 17831), (296, 17918), (315, 18017), (325, 18059), (326, 18068), (328, 18077), (341, 18134), (358, 18200), (366, 18239), (395, 18332), (407, 18368), (424, 18425), (444, 18491), (453, 18524), (458, 18539), (459, 18545), (462, 18554), (465, 18569), (469, 18590), (477, 18611), (488, 18632), (489, 18635), (504, 18653), (505, 18656), (522, 18707), (546, 18764), (551, 18782), (558, 18806), (585, 18866), (596, 18893), (613, 18956), (626, 19001), (655, 19139), (707, 19229), (711, 19238), (728, 19262), (743, 19340), (745, 19349), (750, 19379), (769, 19463),

Gene: AbbysRanger_25 Start: 15899, Stop: 18499, Start Num: 74

Candidate Starts for AbbysRanger_25:

(Start: 74 @15899 has 124 MA's), (171, 16241), (184, 16289), (202, 16346), (229, 16451), (233, 16466), (237, 16478), (252, 16541), (276, 16649), (279, 16670), (282, 16691), (387, 17042), (415, 17093), (432, 17138), (470, 17249), (472, 17255), (521, 17351), (531, 17387), (545, 17423), (559, 17471), (592, 17588), (624, 17702), (656, 17867), (662, 17885), (701, 17999), (706, 18011), (733, 18101), (747, 18194), (757, 18266), (760, 18275), (778, 18335), (779, 18344), (796, 18431), (800, 18479),

Gene: Abbysshoes_25 Start: 16660, Stop: 19059, Start Num: 77

Candidate Starts for Abbysshoes_25:

(Start: 77 @16660 has 209 MA's), (90, 16699), (Start: 107 @16762 has 1 MA's), (Start: 115 @16792 has 23 MA's), (Start: 121 @16813 has 10 MA's), (128, 16834), (133, 16846), (140, 16864), (187, 16909), (201, 16954), (252, 17152), (258, 17185), (274, 17251), (324, 17506), (330, 17527), (335, 17554), (345, 17593), (393, 17650), (423, 17680), (500, 17842), (560, 17995), (566, 18007), (573, 18022), (604, 18139), (617, 18184), (621, 18205), (623, 18208), (651, 18358), (656, 18373), (675, 18439), (690, 18481), (741, 18691), (752, 18772), (778, 18883), (794, 18970), (798, 19009), (799, 19024),

Gene: Abdiel_24 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Abdiel_24:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (221, 16401), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Abrogate_250 Start: 17018, Stop: 19597, Start Num: 77

Candidate Starts for Abrogate_250:

(Start: 77 @17018 has 209 MA's), (90, 17057), (Start: 107 @17120 has 1 MA's), (Start: 115 @17150 has 23 MA's), (176, 17234), (224, 17405), (265, 17573), (276, 17618), (280, 17642), (282, 17660), (344, 17972), (409, 18128), (446, 18230), (455, 18263), (481, 18335), (497, 18374), (529, 18461), (566, 18560), (598, 18662), (605, 18683), (608, 18695), (617, 18725), (640, 18824), (651, 18887), (717, 19106), (725, 19139), (778, 19421), (794, 19508), (798, 19547), (799, 19562),

Gene: Achebe_24 Start: 15879, Stop: 18479, Start Num: 74

Candidate Starts for Achebe_24:

(Start: 74 @15879 has 124 MA's), (184, 16269), (221, 16398), (229, 16431), (237, 16458), (252, 16521), (276, 16629), (303, 16764), (344, 16962), (396, 17049), (415, 17073), (432, 17118), (470, 17229), (472, 17235), (545, 17403), (559, 17451), (576, 17508), (592, 17568), (605, 17616), (614, 17649), (624, 17682), (628, 17700), (656, 17847), (662, 17865), (706, 17991), (733, 18081), (748, 18180), (757, 18246), (760, 18255), (778, 18315), (779, 18324), (785, 18360), (791, 18378), (796, 18411), (800, 18459),

Gene: Acme_26 Start: 16689, Stop: 19160, Start Num: 77

Candidate Starts for Acme_26:

(Start: 77 @16689 has 209 MA's), (90, 16728), (Start: 107 @16791 has 1 MA's), (Start: 115 @16821 has 23 MA's), (Start: 121 @16842 has 10 MA's), (128, 16863), (133, 16875), (176, 16893), (182, 16917), (220, 17055), (229, 17091), (252, 17181), (258, 17214), (274, 17280), (321, 17535), (325, 17556), (331, 17583), (334, 17598), (354, 17679), (402, 17742), (428, 17778), (467, 17871), (473, 17892), (480, 17907), (491, 17928), (493, 17931), (518, 18000), (529, 18036), (543, 18069), (554, 18105), (566, 18135), (578, 18171), (598, 18237), (605, 18258), (640, 18399), (675, 18540), (683, 18561), (723, 18696), (752, 18873), (778, 18984), (790, 19050), (794, 19071), (798, 19110), (799, 19125),

Gene: Acolyte_26 Start: 16749, Stop: 19700, Start Num: 10

Candidate Starts for Acolyte_26:

(Start: 10 @16749 has 1 MA's), (12, 16767), (25, 16872), (37, 16929), (40, 16941), (44, 16959), (57, 17031), (Start: 78 @17115 has 2 MA's), (128, 17310), (145, 17358), (150, 17382), (191, 17523), (198, 17550), (203, 17565), (214, 17598), (217, 17610), (232, 17670), (237, 17685), (248, 17727), (258, 17781), (259, 17784), (272, 17835), (274, 17847), (276, 17856), (279, 17877), (315, 18066), (322, 18093), (325, 18108), (336, 18162), (341, 18183), (358, 18249), (364, 18279), (373, 18324), (411, 18429), (414, 18441), (429, 18486), (438, 18522), (457, 18585), (469, 18639), (488, 18681), (504, 18702), (505, 18705), (514, 18726), (545, 18810), (546, 18813), (558, 18855), (613, 19005), (622, 19038), (626, 19050), (630, 19062), (637, 19098), (664, 19212), (707, 19281),

Gene: Adahisdi_25 Start: 16587, Stop: 19067, Start Num: 77

Candidate Starts for Adahisdi_25:

(Start: 77 @16587 has 209 MA's), (90, 16626), (Start: 107 @16689 has 1 MA's), (Start: 115 @16719 has 23 MA's), (128, 16761), (223, 16968), (229, 16986), (252, 17076), (265, 17139), (272, 17163), (274, 17175), (282, 17226), (393, 17610), (450, 17712), (462, 17751), (470, 17778), (480, 17802), (566, 18030), (598, 18132), (605, 18153), (617, 18195), (640, 18294), (651, 18357), (717, 18576), (725, 18609), (778, 18891), (794, 18978), (798, 19017), (800, 19047),

Gene: Adzzy_27 Start: 15361, Stop: 17886, Start Num: 85

Candidate Starts for Adzzy_27:

(Start: 85 @15361 has 3 MA's), (88, 15379), (Start: 114 @15484 has 5 MA's), (134, 15550), (135, 15553), (137, 15556), (147, 15586), (208, 15775), (217, 15805), (224, 15838), (225, 15841), (237, 15880), (249, 15931), (258, 15976), (261, 15997), (272, 16030), (275, 16045), (276, 16051), (279, 16072), (315, 16261), (322, 16288), (325, 16303), (336, 16357), (339, 16369), (341, 16378), (358, 16444), (424, 16669), (430, 16684), (440, 16726), (457, 16780), (459, 16789), (466, 16816), (469,

16834), (484, 16870), (504, 16897), (505, 16900), (518, 16939), (522, 16951), (555, 17038), (585, 17110), (596, 17137), (607, 17179), (613, 17200), (626, 17245), (664, 17407), (707, 17470), (746, 17596), (761, 17668), (769, 17689), (784, 17764), (795, 17800),

Gene: Aeneas_26 Start: 16694, Stop: 19174, Start Num: 77

Candidate Starts for Aeneas_26:

(Start: 77 @16694 has 209 MA's), (90, 16733), (Start: 107 @16796 has 1 MA's), (Start: 115 @16826 has 23 MA's), (128, 16868), (223, 17075), (229, 17093), (252, 17183), (265, 17246), (272, 17270), (274, 17282), (282, 17333), (393, 17717), (450, 17819), (462, 17858), (467, 17873), (480, 17909), (529, 18038), (566, 18137), (598, 18239), (605, 18260), (608, 18272), (617, 18302), (640, 18401), (651, 18464), (717, 18683), (725, 18716), (778, 18998), (794, 19085), (798, 19124), (799, 19139),

Gene: Agaliana_25 Start: 16638, Stop: 19118, Start Num: 77

Candidate Starts for Agaliana_25:

(Start: 77 @16638 has 209 MA's), (90, 16677), (Start: 107 @16740 has 1 MA's), (Start: 115 @16770 has 23 MA's), (128, 16812), (223, 17019), (229, 17037), (252, 17127), (265, 17190), (272, 17214), (274, 17226), (282, 17277), (393, 17661), (450, 17763), (462, 17802), (467, 17817), (470, 17829), (480, 17853), (566, 18081), (598, 18183), (605, 18204), (608, 18216), (617, 18246), (640, 18345), (651, 18408), (717, 18627), (725, 18660), (778, 18942), (790, 19008), (794, 19029), (798, 19068), (799, 19083),

Gene: Agape74_28 Start: 17096, Stop: 19639, Start Num: 86

Candidate Starts for Agape74_28:

(Start: 86 @17096 has 90 MA's), (135, 17276), (137, 17279), (188, 17447), (190, 17453), (194, 17474), (197, 17483), (203, 17492), (207, 17504), (220, 17549), (224, 17570), (237, 17612), (249, 17663), (258, 17708), (259, 17711), (261, 17729), (272, 17762), (274, 17774), (276, 17783), (279, 17804), (280, 17807), (296, 17894), (315, 17993), (325, 18035), (326, 18044), (328, 18053), (341, 18110), (358, 18176), (366, 18215), (395, 18308), (407, 18344), (424, 18401), (444, 18467), (453, 18500), (458, 18515), (459, 18521), (462, 18530), (465, 18545), (469, 18566), (477, 18587), (488, 18608), (489, 18611), (504, 18629), (505, 18632), (522, 18683), (546, 18740), (551, 18758), (558, 18782), (585, 18842), (596, 18869), (613, 18932), (626, 18977), (655, 19115), (707, 19205), (711, 19214), (728, 19238), (745, 19325), (750, 19355), (769, 19439),

Gene: Aglet_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for Aglet_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (366, 17465), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (558, 18032), (585, 18092), (600, 18131), (640, 18287), (643, 18308), (647, 18332), (656, 18377), (662, 18395), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938),

Gene: AgronaGT15_27 Start: 15887, Stop: 18913, Start Num: 17

Candidate Starts for AgronaGT15_27:

(11, 15833), (Start: 17 @15887 has 84 MA's), (36, 16001), (48, 16067), (49, 16070), (51, 16079), (60, 16115), (69, 16166), (93, 16238), (106, 16310), (141, 16430), (142, 16433), (158, 16502), (170, 16547), (197, 16640), (203, 16649), (209, 16667), (217, 16694), (233, 16757), (237, 16769), (245, 16802), (249, 16820), (261, 16886), (264, 16889), (267, 16895), (269, 16910), (272, 16919), (274, 16931), (276, 16940), (288, 17018), (292, 17033), (315, 17150), (316, 17153), (323, 17180), (325,

17192), (336, 17246), (341, 17267), (358, 17333), (366, 17372), (395, 17465), (411, 17513), (424, 17558), (438, 17606), (452, 17648), (453, 17657), (462, 17687), (463, 17690), (465, 17702), (484, 17759), (488, 17765), (504, 17786), (505, 17789), (555, 17927), (558, 17939), (585, 17999), (604, 18056), (640, 18194), (643, 18215), (647, 18239), (656, 18284), (662, 18302), (678, 18350), (681, 18362), (701, 18404), (718, 18467), (734, 18524), (744, 18593), (751, 18629), (770, 18710), (796, 18845),

Gene: Airmid_22 Start: 15088, Stop: 17901, Start Num: 4

Candidate Starts for Airmid_22:

(Start: 4 @15088 has 8 MA's), (24, 15277), (98, 15625), (136, 15760), (138, 15766), (159, 15859), (176, 15910), (184, 15946), (213, 16036), (227, 16102), (233, 16123), (252, 16198), (258, 16231), (272, 16285), (277, 16318), (280, 16330), (299, 16429), (308, 16462), (334, 16591), (418, 16756), (431, 16789), (445, 16822), (471, 16903), (474, 16912), (475, 16915), (549, 17026), (552, 17035), (599, 17101), (601, 17110), (629, 17173), (635, 17215), (654, 17287), (663, 17314), (668, 17329), (675, 17356), (687, 17377), (719, 17464), (731, 17494), (742, 17557), (756, 17656), (760, 17668), (763, 17680), (766, 17689), (796, 17836),

Gene: Ajay_24 Start: 16404, Stop: 18875, Start Num: 77

Candidate Starts for Ajay_24:

(Start: 77 @16404 has 209 MA's), (90, 16443), (Start: 107 @16506 has 1 MA's), (Start: 115 @16536 has 23 MA's), (Start: 121 @16557 has 10 MA's), (128, 16578), (176, 16608), (182, 16632), (201, 16698), (252, 16896), (258, 16929), (274, 16995), (321, 17250), (325, 17271), (331, 17298), (402, 17457), (428, 17493), (467, 17586), (473, 17607), (480, 17622), (491, 17643), (493, 17646), (518, 17715), (529, 17751), (543, 17784), (554, 17820), (566, 17850), (578, 17886), (598, 17952), (605, 17973), (640, 18114), (675, 18255), (683, 18276), (723, 18411), (752, 18588), (778, 18699), (794, 18786), (798, 18825),

Gene: Albee_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Albee_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (344, 16968), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Alberto7_26 Start: 16187, Stop: 18787, Start Num: 74

Candidate Starts for Alberto7_26:

(Start: 74 @16187 has 124 MA's), (Start: 115 @16328 has 23 MA's), (Start: 121 @16346 has 10 MA's), (180, 16553), (189, 16592), (196, 16622), (229, 16739), (237, 16766), (252, 16829), (265, 16892), (276, 16937), (282, 16979), (299, 17063), (387, 17330), (415, 17381), (432, 17426), (460, 17504), (470, 17537), (472, 17543), (481, 17564), (545, 17711), (550, 17732), (558, 17756), (577, 17822), (592, 17876), (605, 17924), (624, 17990), (656, 18155), (662, 18173), (706, 18299), (756, 18551), (757, 18554), (760, 18563), (778, 18623), (796, 18719), (800, 18767),

Gene: Aldrich_25 Start: 17195, Stop: 19666, Start Num: 77

Candidate Starts for Aldrich_25:

(Start: 77 @17195 has 209 MA's), (90, 17234), (Start: 107 @17297 has 1 MA's), (Start: 115 @17327 has 23 MA's), (Start: 121 @17348 has 10 MA's), (128, 17369), (133, 17381), (176, 17399), (182, 17423), (201, 17489), (252, 17687), (258, 17720), (274, 17786), (321, 18041), (325, 18062), (331, 18089), (354, 18185), (388, 18215), (402, 18248), (428, 18284), (467, 18377), (473, 18398), (497, 18455), (543, 18575), (554, 18611), (566, 18641), (578, 18677), (598, 18743), (605, 18764), (617, 18806), (640, 18905), (675, 19046), (683, 19067), (723, 19202), (778, 19490), (794, 19577), (798,

19616),

Gene: Aliter_27 Start: 17518, Stop: 20427, Start Num: 31

Candidate Starts for Aliter_27:

(Start: 31 @17518 has 33 MA's), (35, 17530), (47, 17590), (84, 17749), (98, 17812), (113, 17875), (124, 17917), (142, 17974), (199, 18184), (203, 18190), (208, 18205), (232, 18295), (233, 18298), (237, 18310), (248, 18352), (258, 18406), (276, 18481), (279, 18502), (280, 18505), (282, 18523), (294, 18586), (311, 18652), (315, 18691), (322, 18718), (325, 18733), (332, 18763), (336, 18787), (339, 18799), (341, 18808), (358, 18874), (366, 18913), (386, 18979), (395, 19006), (403, 19033), (424, 19099), (437, 19144), (459, 19219), (469, 19264), (477, 19285), (488, 19306), (489, 19309), (504, 19327), (505, 19330), (516, 19357), (546, 19438), (558, 19480), (613, 19630), (618, 19645), (626, 19675), (638, 19726), (655, 19813), (657, 19822), (673, 19873), (701, 19936), (708, 19957), (717, 19993), (728, 20029), (729, 20035), (744, 20113), (749, 20140), (760, 20200), (780, 20269), (784, 20299), (792, 20326), (797, 20365), (801, 20407),

Gene: Alma_27 Start: 17597, Stop: 20506, Start Num: 31

Candidate Starts for Alma_27:

(Start: 31 @17597 has 33 MA's), (35, 17609), (47, 17669), (98, 17891), (113, 17954), (124, 17996), (141, 18050), (142, 18053), (151, 18092), (199, 18263), (203, 18269), (208, 18284), (232, 18374), (233, 18377), (237, 18389), (248, 18431), (258, 18485), (261, 18506), (276, 18560), (279, 18581), (280, 18584), (282, 18602), (294, 18665), (311, 18731), (315, 18770), (322, 18797), (325, 18812), (332, 18842), (336, 18866), (339, 18878), (341, 18887), (358, 18953), (366, 18992), (386, 19058), (395, 19085), (403, 19112), (437, 19223), (459, 19298), (465, 19322), (469, 19343), (477, 19364), (488, 19385), (489, 19388), (504, 19406), (505, 19409), (516, 19436), (540, 19496), (548, 19526), (558, 19559), (573, 19589), (579, 19601), (613, 19709), (618, 19724), (626, 19754), (638, 19805), (655, 19892), (657, 19901), (673, 19952), (701, 20015), (708, 20036), (717, 20072), (728, 20108), (729, 20114), (744, 20192), (749, 20219), (780, 20348), (784, 20378), (792, 20405), (797, 20444), (801, 20486),

Gene: Alsfro_28 Start: 17131, Stop: 19605, Start Num: 77

Candidate Starts for Alsfro_28:

(Start: 77 @17131 has 209 MA's), (90, 17170), (100, 17215), (Start: 107 @17233 has 1 MA's), (110, 17239), (Start: 115 @17263 has 23 MA's), (128, 17305), (223, 17506), (229, 17524), (252, 17614), (265, 17677), (272, 17701), (274, 17713), (282, 17764), (381, 18127), (393, 18148), (450, 18250), (462, 18289), (470, 18316), (480, 18340), (529, 18469), (566, 18568), (582, 18622), (598, 18670), (605, 18691), (617, 18733), (633, 18808), (640, 18832), (651, 18895), (700, 19048), (717, 19114), (725, 19147), (778, 19429), (794, 19516), (798, 19555), (799, 19570),

Gene: Altman_26 Start: 17183, Stop: 19663, Start Num: 77

Candidate Starts for Altman_26:

(Start: 77 @17183 has 209 MA's), (90, 17222), (Start: 107 @17285 has 1 MA's), (110, 17291), (Start: 115 @17315 has 23 MA's), (128, 17357), (223, 17564), (229, 17582), (252, 17672), (265, 17735), (272, 17759), (274, 17771), (282, 17822), (393, 18206), (450, 18308), (462, 18347), (470, 18374), (480, 18398), (529, 18527), (566, 18626), (598, 18728), (605, 18749), (608, 18761), (617, 18791), (640, 18890), (651, 18953), (717, 19172), (725, 19205), (778, 19487), (790, 19553), (794, 19574), (798, 19613), (799, 19628),

Gene: Alvin_25 Start: 16904, Stop: 19375, Start Num: 77

Candidate Starts for Alvin_25:

(Start: 77 @16904 has 209 MA's), (90, 16943), (Start: 107 @17006 has 1 MA's), (Start: 115 @17036 has 23 MA's), (Start: 121 @17057 has 10 MA's), (128, 17078), (133, 17090), (176, 17108), (182, 17132), (201, 17198), (252, 17396), (258, 17429), (274, 17495), (321, 17750), (325, 17771), (331, 17798), (402, 17957), (428, 17993), (467, 18086), (473, 18107), (497, 18164), (543, 18284), (554,

18320), (566, 18350), (578, 18386), (598, 18452), (605, 18473), (617, 18515), (640, 18614), (675, 18755), (683, 18776), (741, 19007), (752, 19088), (778, 19199), (794, 19286), (798, 19325), (800, 19355),

Gene: Anaysia_28 Start: 15755, Stop: 18112, Start Num: 72

Candidate Starts for Anaysia_28:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16166), (210, 16172), (228, 16241), (243, 16298), (276, 16442), (282, 16484), (291, 16532), (292, 16535), (314, 16646), (317, 16664), (341, 16769), (351, 16817), (425, 16922), (447, 16982), (468, 17036), (487, 17072), (498, 17096), (502, 17105), (526, 17168), (537, 17189), (542, 17204), (552, 17228), (556, 17240), (584, 17294), (592, 17315), (605, 17345), (659, 17516), (667, 17537), (700, 17621), (770, 17924), (796, 18047), (797, 18059),

Gene: Aneem_26 Start: 17163, Stop: 19709, Start Num: 71

Candidate Starts for Aneem_26:

(Start: 71 @17163 has 22 MA's), (Start: 78 @17181 has 2 MA's), (127, 17355), (Start: 129 @17364 has 1 MA's), (166, 17439), (189, 17493), (206, 17547), (211, 17562), (212, 17565), (217, 17583), (233, 17646), (237, 17658), (252, 17721), (265, 17784), (269, 17799), (272, 17808), (276, 17829), (280, 17853), (282, 17868), (300, 17955), (302, 17958), (307, 17973), (310, 17994), (312, 18006), (321, 18072), (334, 18135), (335, 18144), (341, 18168), (371, 18249), (374, 18258), (378, 18270), (393, 18312), (422, 18369), (442, 18423), (481, 18531), (495, 18570), (546, 18711), (580, 18807), (589, 18828), (602, 18861), (613, 18894), (614, 18897), (639, 18981), (648, 19026), (649, 19029), (680, 19143), (690, 19176), (714, 19248), (724, 19284), (738, 19356), (750, 19434), (760, 19488), (769, 19512), (781, 19560), (795, 19623),

Gene: Anglerfish_25 Start: 17554, Stop: 19554, Start Num: 77

Candidate Starts for Anglerfish_25:

(Start: 77 @17554 has 209 MA's), (90, 17593), (Start: 107 @17656 has 1 MA's), (Start: 115 @17686 has 23 MA's), (Start: 121 @17707 has 10 MA's), (179, 17767), (205, 17863), (223, 17932), (227, 17944), (252, 18040), (258, 18073), (308, 18307), (405, 18595), (485, 18697), (524, 18787), (541, 18829), (561, 18883), (566, 18895), (573, 18910), (577, 18928), (579, 18940), (617, 19048), (640, 19144), (698, 19354), (737, 19504),

Gene: AnnaL29_29 Start: 18479, Stop: 20977, Start Num: 86

Candidate Starts for AnnaL29_29:

(Start: 86 @18479 has 90 MA's), (119, 18608), (132, 18647), (147, 18692), (190, 18794), (194, 18815), (203, 18833), (215, 18869), (237, 18953), (249, 19004), (264, 19073), (267, 19079), (269, 19094), (272, 19103), (274, 19115), (276, 19124), (315, 19334), (322, 19361), (325, 19376), (336, 19430), (341, 19451), (358, 19517), (366, 19556), (372, 19589), (384, 19619), (424, 19742), (430, 19757), (435, 19784), (458, 19856), (462, 19871), (464, 19877), (465, 19886), (477, 19928), (484, 19943), (489, 19952), (505, 19973), (508, 19979), (518, 20012), (528, 20039), (543, 20069), (546, 20081), (555, 20111), (558, 20123), (596, 20210), (605, 20243), (613, 20273), (622, 20306), (626, 20318), (630, 20330), (655, 20456), (703, 20537), (707, 20546), (711, 20555), (745, 20666), (750, 20696), (769, 20777), (797, 20918),

Gene: Annyong_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for Annyong_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (470, 17236), (472, 17242), (521, 17338), (523, 17347), (545, 17410), (550, 17431), (559, 17458), (576, 17515), (577, 17521), (592, 17575), (605, 17623), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800,

18466),

Gene: Anon_26 Start: 16290, Stop: 18746, Start Num: 89

Candidate Starts for Anon_26:

(21, 15978), (23, 15987), (32, 16038), (34, 16047), (38, 16068), (Start: 89 @16290 has 1 MA's), (95, 16311), (105, 16356), (112, 16383), (126, 16431), (163, 16509), (173, 16542), (174, 16545), (177, 16551), (193, 16620), (200, 16635), (201, 16638), (202, 16641), (207, 16656), (238, 16773), (252, 16827), (258, 16860), (265, 16890), (269, 16905), (271, 16911), (272, 16914), (274, 16926), (283, 16977), (290, 17013), (294, 17034), (317, 17151), (344, 17268), (348, 17286), (349, 17289), (360, 17322), (392, 17370), (416, 17394), (546, 17739), (609, 17901), (615, 17922), (631, 17976), (671, 18135), (674, 18153), (678, 18162), (683, 18183), (700, 18225), (702, 18237), (740, 18402), (750, 18474), (772, 18561), (774, 18567), (796, 18678),

Gene: Anselm_26 Start: 16722, Stop: 19259, Start Num: 86

Candidate Starts for Anselm_26:

(Start: 86 @16722 has 90 MA's), (135, 16902), (137, 16905), (147, 16935), (190, 17073), (194, 17094), (197, 17103), (207, 17124), (217, 17157), (237, 17232), (249, 17283), (258, 17328), (259, 17331), (261, 17349), (272, 17382), (274, 17394), (276, 17403), (279, 17424), (280, 17427), (315, 17613), (325, 17655), (326, 17664), (328, 17673), (341, 17730), (358, 17796), (366, 17835), (395, 17928), (424, 18021), (453, 18120), (458, 18135), (459, 18141), (462, 18150), (465, 18165), (469, 18186), (477, 18207), (479, 18210), (489, 18231), (505, 18252), (508, 18258), (518, 18291), (522, 18303), (558, 18402), (585, 18462), (596, 18489), (613, 18552), (626, 18597), (655, 18735), (707, 18825), (711, 18834), (728, 18858), (745, 18945), (750, 18975), (769, 19059),

Gene: Anubis_29 Start: 15865, Stop: 18891, Start Num: 17

Candidate Starts for Anubis_29:

(11, 15811), (Start: 17 @15865 has 84 MA's), (36, 15979), (48, 16045), (49, 16048), (51, 16057), (60, 16093), (69, 16144), (93, 16216), (106, 16288), (141, 16408), (142, 16411), (158, 16480), (170, 16525), (197, 16618), (203, 16627), (209, 16645), (217, 16672), (233, 16735), (237, 16747), (245, 16780), (249, 16798), (261, 16864), (264, 16867), (267, 16873), (269, 16888), (272, 16897), (274, 16909), (276, 16918), (288, 16996), (292, 17011), (315, 17128), (316, 17131), (323, 17158), (325, 17170), (336, 17224), (341, 17245), (358, 17311), (366, 17350), (395, 17443), (411, 17491), (424, 17536), (438, 17584), (452, 17626), (453, 17635), (462, 17665), (463, 17668), (465, 17680), (484, 17737), (488, 17743), (504, 17764), (505, 17767), (555, 17905), (558, 17917), (585, 17977), (604, 18034), (640, 18172), (643, 18193), (647, 18217), (656, 18262), (662, 18280), (678, 18328), (681, 18340), (701, 18382), (718, 18445), (734, 18502), (744, 18571), (751, 18607), (770, 18688), (796, 18823),

Gene: Applejack_24 Start: 16335, Stop: 18815, Start Num: 77

Candidate Starts for Applejack_24:

(Start: 77 @16335 has 209 MA's), (90, 16374), (Start: 107 @16437 has 1 MA's), (Start: 115 @16467 has 23 MA's), (128, 16509), (223, 16716), (229, 16734), (252, 16824), (265, 16887), (272, 16911), (274, 16923), (282, 16974), (393, 17358), (450, 17460), (462, 17499), (470, 17526), (480, 17550), (529, 17679), (566, 17778), (598, 17880), (605, 17901), (608, 17913), (617, 17943), (640, 18042), (651, 18105), (717, 18324), (725, 18357), (778, 18639), (794, 18726), (798, 18765), (799, 18780),

Gene: Arcanine_25 Start: 16570, Stop: 18570, Start Num: 77

Candidate Starts for Arcanine_25:

(Start: 77 @16570 has 209 MA's), (90, 16609), (Start: 107 @16672 has 1 MA's), (Start: 115 @16702 has 23 MA's), (Start: 121 @16723 has 10 MA's), (179, 16783), (205, 16879), (217, 16918), (223, 16948), (227, 16960), (252, 17056), (258, 17089), (308, 17323), (356, 17548), (405, 17611), (485, 17713), (491, 17725), (524, 17803), (541, 17845), (561, 17899), (566, 17911), (573, 17926), (577, 17944), (579, 17956), (608, 18034), (617, 18064), (627, 18109), (640, 18160), (698, 18370), (737,

18520),

Gene: ArcherNM_28 Start: 18421, Stop: 20922, Start Num: 86

Candidate Starts for ArcherNM_28:

(62, 18337), (Start: 86 @18421 has 90 MA's), (Start: 114 @18532 has 5 MA's), (119, 18550), (135, 18604), (141, 18619), (147, 18637), (148, 18643), (187, 18730), (194, 18760), (203, 18778), (237, 18898), (249, 18949), (264, 19018), (267, 19024), (269, 19039), (272, 19048), (274, 19060), (276, 19069), (315, 19279), (322, 19306), (325, 19321), (336, 19375), (341, 19396), (358, 19462), (366, 19501), (424, 19687), (435, 19729), (453, 19786), (458, 19801), (459, 19807), (462, 19816), (465, 19831), (469, 19852), (477, 19873), (504, 19915), (512, 19930), (518, 19957), (543, 20014), (546, 20026), (558, 20068), (585, 20128), (596, 20155), (604, 20185), (613, 20218), (626, 20263), (630, 20275), (703, 20482), (707, 20491), (711, 20500), (745, 20611), (750, 20641), (769, 20722), (796, 20851),

Gene: Arissanae_25 Start: 15680, Stop: 18592, Start Num: 31

Candidate Starts for Arissanae_25:

(Start: 31 @15680 has 33 MA's), (35, 15692), (39, 15716), (43, 15728), (67, 15848), (81, 15890), (84, 15911), (124, 16079), (141, 16133), (142, 16136), (192, 16328), (199, 16346), (205, 16358), (207, 16364), (217, 16397), (224, 16430), (235, 16466), (237, 16472), (241, 16493), (249, 16523), (258, 16568), (261, 16589), (269, 16613), (270, 16616), (274, 16634), (276, 16643), (277, 16655), (285, 16703), (294, 16748), (315, 16853), (335, 16946), (336, 16949), (338, 16955), (341, 16970), (342, 16979), (344, 16991), (350, 17015), (353, 17027), (358, 17036), (376, 17120), (384, 17138), (386, 17141), (457, 17372), (459, 17381), (469, 17426), (477, 17447), (484, 17462), (488, 17468), (504, 17489), (505, 17492), (516, 17519), (523, 17546), (546, 17600), (558, 17642), (579, 17684), (613, 17792), (638, 17888), (655, 17975), (657, 17984), (673, 18035), (701, 18098), (717, 18158), (728, 18194), (729, 18200), (744, 18278), (749, 18305), (751, 18314), (784, 18464), (795, 18500), (796, 18518), (797, 18530),

Gene: Arlo_23 Start: 15964, Stop: 18444, Start Num: 77

Candidate Starts for Arlo_23:

(Start: 77 @15964 has 209 MA's), (90, 16003), (Start: 107 @16066 has 1 MA's), (Start: 115 @16096 has 23 MA's), (128, 16138), (223, 16345), (229, 16363), (252, 16453), (265, 16516), (272, 16540), (274, 16552), (282, 16603), (393, 16987), (450, 17089), (462, 17128), (467, 17143), (470, 17155), (480, 17179), (529, 17308), (566, 17407), (598, 17509), (605, 17530), (617, 17572), (640, 17671), (651, 17734), (678, 17824), (717, 17953), (725, 17986), (778, 18268), (790, 18334), (794, 18355), (798, 18394), (800, 18424),

Gene: Artemis2UCLA_29 Start: 16617, Stop: 18833, Start Num: 76

Candidate Starts for Artemis2UCLA_29:

(64, 16572), (Start: 76 @16617 has 49 MA's), (Start: 107 @16728 has 1 MA's), (165, 16884), (210, 17031), (214, 17043), (251, 17190), (252, 17193), (258, 17226), (278, 17316), (290, 17385), (308, 17460), (341, 17628), (543, 17886), (559, 17931), (610, 18039), (638, 18102), (648, 18144), (678, 18243), (683, 18264), (700, 18306), (714, 18357), (722, 18384), (738, 18465), (750, 18555),

Gene: Arturo_24 Start: 16137, Stop: 18596, Start Num: 115

Candidate Starts for Arturo_24:

(Start: 74 @15996 has 124 MA's), (Start: 115 @16137 has 23 MA's), (Start: 121 @16155 has 10 MA's), (164, 16311), (180, 16362), (196, 16431), (229, 16548), (237, 16575), (252, 16638), (265, 16701), (276, 16746), (282, 16788), (299, 16872), (387, 17139), (415, 17190), (432, 17235), (460, 17313), (470, 17346), (472, 17352), (527, 17466), (545, 17520), (558, 17565), (576, 17625), (592, 17685), (624, 17799), (628, 17817), (656, 17964), (662, 17982), (706, 18108), (756, 18360), (757, 18363), (760, 18372), (777, 18429), (778, 18432), (785, 18477), (796, 18528), (800, 18576),

Gene: Ashballer_23 Start: 16347, Stop: 18818, Start Num: 77

Candidate Starts for Ashballer_23:

(Start: 77 @16347 has 209 MA's), (90, 16386), (Start: 107 @16449 has 1 MA's), (Start: 115 @16479 has 23 MA's), (Start: 121 @16500 has 10 MA's), (128, 16521), (133, 16533), (176, 16551), (201, 16641), (252, 16839), (258, 16872), (274, 16938), (321, 17193), (325, 17214), (331, 17241), (402, 17400), (428, 17436), (467, 17529), (473, 17550), (497, 17607), (543, 17727), (554, 17763), (566, 17793), (578, 17829), (598, 17895), (605, 17916), (640, 18057), (675, 18198), (683, 18219), (723, 18354), (752, 18531), (778, 18642), (790, 18708), (794, 18729), (798, 18768),

Gene: Atkinbua_25 Start: 16303, Stop: 18771, Start Num: 77

Candidate Starts for Atkinbua_25:

(Start: 77 @16303 has 209 MA's), (83, 16318), (Start: 107 @16402 has 1 MA's), (110, 16408), (Start: 115 @16432 has 23 MA's), (Start: 121 @16453 has 10 MA's), (128, 16474), (176, 16504), (182, 16528), (201, 16594), (252, 16792), (258, 16825), (274, 16891), (321, 17146), (325, 17167), (331, 17194), (402, 17353), (467, 17482), (473, 17503), (480, 17518), (491, 17539), (493, 17542), (518, 17611), (529, 17647), (543, 17680), (554, 17716), (566, 17746), (578, 17782), (598, 17848), (605, 17869), (640, 18010), (675, 18151), (683, 18172), (723, 18307), (752, 18484), (778, 18595), (790, 18661), (794, 18682), (798, 18721),

Gene: AugsMagnumOpus_29 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for AugsMagnumOpus_29:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: AvatarAhPeg_26 Start: 16164, Stop: 18764, Start Num: 74

Candidate Starts for AvatarAhPeg_26:

(Start: 74 @16164 has 124 MA's), (Start: 129 @16347 has 1 MA's), (171, 16506), (184, 16554), (229, 16716), (234, 16734), (252, 16806), (276, 16914), (290, 16998), (344, 17247), (396, 17334), (415, 17358), (432, 17403), (470, 17514), (472, 17520), (531, 17652), (545, 17688), (550, 17709), (559, 17736), (576, 17793), (592, 17853), (624, 17967), (656, 18132), (662, 18150), (684, 18219), (706, 18276), (748, 18465), (757, 18531), (760, 18540), (778, 18600), (779, 18609), (785, 18645), (791, 18663), (796, 18696), (800, 18744),

Gene: Avle17_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Avle17_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Ayanochan_28 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for Ayanochan_28:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (151, 18118), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (424, 19204), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (523, 19489), (546, 19543), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: B1_23 Start: 15174, Stop: 18218, Start Num: 16

Candidate Starts for B1_23:

(Start: 16 @15174 has 33 MA's), (46, 15348), (49, 15360), (106, 15603), (141, 15723), (142, 15726), (200, 15948), (217, 15993), (237, 16068), (245, 16101), (249, 16119), (252, 16131), (268, 16197), (274, 16230), (276, 16239), (282, 16281), (292, 16332), (315, 16449), (325, 16491), (336, 16545), (341, 16566), (353, 16623), (358, 16632), (393, 16758), (395, 16764), (403, 16791), (424, 16857), (430, 16872), (437, 16902), (438, 16905), (453, 16956), (457, 16968), (463, 16989), (465, 17001), (469, 17022), (484, 17058), (504, 17085), (517, 17118), (519, 17130), (538, 17172), (558, 17238), (585, 17298), (600, 17337), (613, 17388), (614, 17391), (617, 17400), (624, 17424), (640, 17493), (643, 17514), (656, 17583), (662, 17601), (678, 17649), (681, 17661), (701, 17703), (704, 17715), (717, 17763), (751, 17934), (762, 17994), (770, 18015), (796, 18150), (797, 18162), (800, 18198),

Gene: BABullseye_29 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for BABullseye_29:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717, 18480), (722, 18495), (738, 18576), (750, 18654),

Gene: BK1_22 Start: 15930, Stop: 18401, Start Num: 77

Candidate Starts for BK1_22:

(Start: 77 @15930 has 209 MA's), (90, 15969), (Start: 107 @16032 has 1 MA's), (Start: 115 @16062 has 23 MA's), (Start: 121 @16083 has 10 MA's), (128, 16104), (133, 16116), (176, 16134), (182, 16158), (201, 16224), (210, 16251), (252, 16422), (258, 16455), (274, 16521), (321, 16776), (325, 16797), (331, 16824), (339, 16863), (402, 16983), (428, 17019), (467, 17112), (473, 17133), (497, 17190), (543, 17310), (554, 17346), (566, 17376), (578, 17412), (598, 17478), (605, 17499), (617, 17541), (640, 17640), (675, 17781), (683, 17802), (741, 18033), (752, 18114), (778, 18225), (794, 18312), (798, 18351), (799, 18366),

Gene: BPBiebs31_25 Start: 16611, Stop: 19082, Start Num: 77

Candidate Starts for BPBiebs31_25:

(Start: 77 @16611 has 209 MA's), (90, 16650), (Start: 107 @16713 has 1 MA's), (Start: 115 @16743 has 23 MA's), (Start: 121 @16764 has 10 MA's), (128, 16785), (133, 16797), (176, 16815), (201, 16905), (252, 17103), (258, 17136), (274, 17202), (321, 17457), (325, 17478), (331, 17505), (402, 17664), (428, 17700), (467, 17793), (473, 17814), (497, 17871), (543, 17991), (554, 18027), (566, 18057), (578, 18093), (598, 18159), (605, 18180), (640, 18321), (675, 18462), (683, 18483), (723, 18618), (752, 18795), (778, 18906), (790, 18972), (794, 18993), (798, 19032), (799, 19047),

Gene: Baby16_25 Start: 15894, Stop: 18494, Start Num: 74

Candidate Starts for Baby16_25:

(Start: 74 @15894 has 124 MA's), (Start: 115 @16035 has 23 MA's), (Start: 121 @16053 has 10 MA's), (180, 16260), (189, 16299), (196, 16329), (229, 16446), (237, 16473), (252, 16536), (265, 16599), (276, 16644), (282, 16686), (299, 16770), (387, 17037), (415, 17088), (432, 17133), (460, 17211), (472, 17250), (481, 17271), (545, 17418), (550, 17439), (558, 17463), (576, 17523), (577, 17529), (578, 17532), (592, 17583), (605, 17631), (624, 17697), (656, 17862), (662, 17880), (706, 18006), (756, 18258), (757, 18261), (760, 18270), (778, 18330), (796, 18426), (800, 18474),

Gene: BabyBack_28 Start: 18230, Stop: 20749, Start Num: 86

Candidate Starts for BabyBack_28:

(Start: 86 @18230 has 90 MA's), (Start: 114 @18341 has 5 MA's), (135, 18410), (139, 18419), (150, 18461), (194, 18584), (197, 18593), (203, 18602), (215, 18638), (217, 18647), (219, 18656), (249, 18773), (260, 18830), (264, 18842), (267, 18848), (269, 18863), (274, 18884), (276, 18893), (315, 19103), (323, 19133), (325, 19145), (336, 19199), (341, 19220), (353, 19277), (358, 19286), (424, 19511), (430, 19526), (435, 19553), (453, 19610), (458, 19625), (462, 19640), (465, 19655), (468, 19670), (469, 19676), (477, 19697), (505, 19742), (518, 19781), (528, 19808), (555, 19880), (585, 19952), (596, 19979), (604, 20009), (605, 20012), (613, 20042), (630, 20099), (637, 20135), (650, 20204), (703, 20303), (707, 20312), (711, 20321), (745, 20432), (758, 20519), (768, 20546), (769, 20549), (800, 20726),

Gene: BabyJohn_24 Start: 15764, Stop: 18802, Start Num: 16

Candidate Starts for BabyJohn_24:

(Start: 16 @15764 has 33 MA's), (46, 15938), (54, 15983), (106, 16193), (142, 16316), (197, 16523), (217, 16577), (237, 16652), (245, 16685), (249, 16703), (252, 16715), (268, 16781), (272, 16802), (274, 16814), (276, 16823), (282, 16865), (292, 16916), (315, 17033), (316, 17036), (325, 17075), (336, 17129), (341, 17150), (358, 17216), (363, 17243), (395, 17348), (411, 17396), (424, 17441), (430, 17456), (438, 17489), (452, 17531), (453, 17540), (462, 17570), (465, 17585), (469, 17606), (484, 17642), (504, 17669), (505, 17672), (514, 17693), (518, 17711), (538, 17756), (551, 17798), (553, 17801), (585, 17882), (600, 17921), (613, 17972), (614, 17975), (617, 17984), (624, 18008), (640, 18077), (643, 18098), (656, 18167), (662, 18185), (678, 18233), (681, 18245), (695, 18275), (701, 18287), (704, 18299), (717, 18347), (751, 18518), (762, 18578), (770, 18599), (792, 18695), (796, 18734), (800, 18782),

Gene: BabyRay_25 Start: 15740, Stop: 18778, Start Num: 16

Candidate Starts for BabyRay_25:

(Start: 16 @15740 has 33 MA's), (46, 15914), (49, 15926), (106, 16169), (119, 16214), (142, 16292), (197, 16499), (217, 16553), (233, 16616), (237, 16628), (245, 16661), (252, 16691), (258, 16724), (268, 16757), (274, 16790), (276, 16799), (292, 16892), (315, 17009), (317, 17021), (325, 17051), (336, 17105), (341, 17126), (358, 17192), (395, 17324), (398, 17333), (411, 17372), (424, 17417), (430, 17432), (452, 17507), (453, 17516), (462, 17546), (465, 17561), (466, 17564), (469, 17582), (477, 17603), (479, 17606), (488, 17624), (504, 17645), (505, 17648), (538, 17732), (553, 17777), (558, 17798), (585, 17858), (604, 17915), (605, 17918), (613, 17948), (614, 17951), (617, 17960), (640, 18053), (643, 18074), (656, 18143), (662, 18161), (678, 18209), (681, 18221), (701, 18263), (704, 18275), (717, 18323), (751, 18494), (762, 18554), (768, 18566), (769, 18569), (770, 18575), (796, 18710), (797, 18722), (800, 18758),

Gene: Bachome_26 Start: 17172, Stop: 19700, Start Num: 78

Candidate Starts for Bachome_26:

(Start: 71 @17154 has 22 MA's), (Start: 78 @17172 has 2 MA's), (127, 17346), (Start: 129 @17355 has 1 MA's), (166, 17430), (189, 17484), (206, 17538), (211, 17553), (212, 17556), (217, 17574), (233, 17637), (237, 17649), (252, 17712), (265, 17775), (269, 17790), (272, 17799), (276, 17820), (280, 17844), (282, 17859), (300, 17946), (302, 17949), (307, 17964), (310, 17985), (312, 17997), (321, 18063), (329, 18105), (334, 18126), (335, 18135), (341, 18159), (371, 18240), (374, 18249), (378, 18261), (393, 18303), (422, 18360), (442, 18414), (481, 18522), (495, 18561), (546, 18702), (580,

18798), (589, 18819), (602, 18852), (613, 18885), (614, 18888), (639, 18972), (648, 19017), (649, 19020), (680, 19134), (690, 19167), (714, 19239), (724, 19275), (738, 19347), (750, 19425), (760, 19479), (769, 19503), (795, 19614),

Gene: Backyardigan_25 Start: 15891, Stop: 18491, Start Num: 74

Candidate Starts for Backyardigan_25:

(Start: 74 @15891 has 124 MA's), (184, 16281), (221, 16410), (229, 16443), (237, 16470), (252, 16533), (276, 16641), (303, 16776), (344, 16974), (396, 17061), (415, 17085), (432, 17130), (470, 17241), (472, 17247), (545, 17415), (559, 17463), (576, 17520), (592, 17580), (605, 17628), (614, 17661), (624, 17694), (628, 17712), (656, 17859), (662, 17877), (706, 18003), (733, 18093), (748, 18192), (757, 18258), (760, 18267), (778, 18327), (779, 18336), (785, 18372), (791, 18390), (796, 18423), (800, 18471),

Gene: BaconJack_26 Start: 16685, Stop: 19084, Start Num: 77

Candidate Starts for BaconJack_26:

(Start: 77 @16685 has 209 MA's), (90, 16724), (Start: 107 @16787 has 1 MA's), (Start: 115 @16817 has 23 MA's), (Start: 121 @16838 has 10 MA's), (128, 16859), (140, 16889), (182, 16913), (201, 16979), (252, 17177), (258, 17210), (274, 17276), (324, 17531), (330, 17552), (335, 17579), (441, 17738), (453, 17774), (500, 17867), (560, 18020), (566, 18032), (573, 18047), (604, 18164), (617, 18209), (621, 18230), (623, 18233), (656, 18398), (675, 18464), (690, 18506), (741, 18716), (752, 18797), (778, 18908), (790, 18974), (794, 18995), (798, 19034), (800, 19064),

Gene: Bactobuster_27 Start: 18366, Stop: 20744, Start Num: 114

Candidate Starts for Bactobuster_27:

(Start: 108 @18348 has 6 MA's), (Start: 114 @18366 has 5 MA's), (123, 18399), (126, 18405), (152, 18501), (162, 18543), (213, 18699), (216, 18711), (217, 18714), (222, 18744), (223, 18753), (234, 18789), (237, 18798), (252, 18861), (258, 18894), (269, 18939), (274, 18960), (276, 18969), (294, 19074), (322, 19215), (394, 19383), (401, 19395), (434, 19461), (436, 19467), (456, 19518), (494, 19629), (504, 19647), (559, 19803), (579, 19857), (593, 19893), (612, 19944), (628, 20004), (634, 20037), (635, 20049), (643, 20082), (644, 20085), (682, 20223), (687, 20235), (705, 20277), (718, 20313), (720, 20325), (722, 20331), (764, 20541),

Gene: Badger_25 Start: 15880, Stop: 18480, Start Num: 74

Candidate Starts for Badger_25:

(Start: 74 @15880 has 124 MA's), (184, 16270), (221, 16399), (229, 16432), (237, 16459), (252, 16522), (276, 16630), (303, 16765), (396, 17050), (415, 17074), (432, 17119), (470, 17230), (472, 17236), (545, 17404), (559, 17452), (576, 17509), (592, 17569), (605, 17617), (614, 17650), (624, 17683), (628, 17701), (656, 17848), (662, 17866), (706, 17992), (733, 18082), (748, 18181), (757, 18247), (760, 18256), (778, 18316), (779, 18325), (785, 18361), (791, 18379), (796, 18412), (800, 18460),

Gene: Baehexic_27 Start: 17134, Stop: 19641, Start Num: 86

Candidate Starts for Baehexic_27:

(Start: 86 @17134 has 90 MA's), (Start: 114 @17245 has 5 MA's), (132, 17302), (194, 17488), (217, 17551), (224, 17584), (226, 17590), (269, 17770), (272, 17779), (276, 17800), (279, 17821), (280, 17824), (282, 17842), (293, 17902), (315, 18010), (325, 18052), (336, 18106), (341, 18127), (356, 18190), (358, 18193), (361, 18211), (366, 18232), (424, 18418), (430, 18433), (435, 18460), (453, 18517), (458, 18532), (459, 18538), (462, 18547), (464, 18553), (469, 18583), (477, 18604), (505, 18649), (508, 18655), (518, 18688), (528, 18715), (555, 18787), (558, 18799), (585, 18859), (596, 18886), (613, 18949), (626, 18994), (630, 19006), (637, 19042), (646, 19078), (650, 19111), (688, 19174), (701, 19198), (746, 19342), (769, 19441), (788, 19528), (802, 19627),

Gene: BangNhom_25 Start: 16196, Stop: 18796, Start Num: 74

Candidate Starts for BangNhom_25:

(Start: 74 @16196 has 124 MA's), (Start: 115 @16337 has 23 MA's), (Start: 121 @16355 has 10 MA's), (164, 16511), (180, 16562), (196, 16631), (229, 16748), (237, 16775), (252, 16838), (265, 16901), (276, 16946), (282, 16988), (299, 17072), (344, 17279), (387, 17339), (415, 17390), (432, 17435), (460, 17513), (470, 17546), (472, 17552), (545, 17720), (550, 17741), (558, 17765), (576, 17825), (577, 17831), (578, 17834), (592, 17885), (605, 17933), (624, 17999), (656, 18164), (662, 18182), (706, 18308), (756, 18560), (757, 18563), (760, 18572), (777, 18629), (778, 18632), (785, 18677), (796, 18728), (800, 18776),

Gene: Barriga_24 Start: 16199, Stop: 18670, Start Num: 77

Candidate Starts for Barriga_24:

(Start: 77 @16199 has 209 MA's), (90, 16238), (Start: 107 @16301 has 1 MA's), (Start: 115 @16331 has 23 MA's), (Start: 121 @16352 has 10 MA's), (128, 16373), (176, 16403), (182, 16427), (201, 16493), (252, 16691), (258, 16724), (274, 16790), (321, 17045), (325, 17066), (331, 17093), (402, 17252), (428, 17288), (467, 17381), (473, 17402), (480, 17417), (491, 17438), (493, 17441), (518, 17510), (529, 17546), (543, 17579), (554, 17615), (566, 17645), (578, 17681), (598, 17747), (605, 17768), (640, 17909), (675, 18050), (683, 18071), (723, 18206), (752, 18383), (778, 18494), (794, 18581), (798, 18620), (799, 18635),

Gene: BarrowTuph_23 Start: 16245, Stop: 18713, Start Num: 77

Candidate Starts for BarrowTuph_23:

(Start: 77 @16245 has 209 MA's), (83, 16260), (Start: 115 @16374 has 23 MA's), (Start: 121 @16395 has 10 MA's), (128, 16416), (176, 16446), (201, 16536), (252, 16734), (258, 16767), (274, 16833), (321, 17088), (325, 17109), (331, 17136), (402, 17295), (428, 17331), (467, 17424), (473, 17445), (497, 17502), (543, 17622), (554, 17658), (566, 17688), (578, 17724), (598, 17790), (605, 17811), (640, 17952), (675, 18093), (683, 18114), (723, 18249), (752, 18426), (778, 18537), (790, 18603), (794, 18624), (798, 18663), (799, 18678),

Gene: Bartimeaus_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Bartimeaus_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Battleship_29 Start: 15870, Stop: 18224, Start Num: 72

Candidate Starts for Battleship_29:

(Start: 68 @15861 has 1 MA's), (Start: 72 @15870 has 4 MA's), (Start: 120 @16038 has 17 MA's), (208, 16278), (210, 16284), (228, 16353), (243, 16410), (276, 16554), (282, 16596), (291, 16644), (292, 16647), (314, 16758), (317, 16776), (341, 16881), (351, 16929), (425, 17034), (447, 17094), (468, 17148), (487, 17184), (498, 17208), (502, 17217), (526, 17280), (537, 17301), (542, 17316), (552, 17340), (556, 17352), (584, 17406), (592, 17427), (605, 17457), (659, 17628), (667, 17649), (700, 17733), (770, 18036), (796, 18159), (797, 18171),

Gene: Beatrix_23 Start: 17117, Stop: 19777, Start Num: 77

Candidate Starts for Beatrix_23:

(Start: 77 @17117 has 209 MA's), (90, 17156), (Start: 107 @17219 has 1 MA's), (Start: 115 @17249 has 23 MA's), (128, 17291), (252, 17600), (265, 17663), (276, 17708), (281, 17732), (295, 17807), (298, 17819), (369, 18140), (467, 18470), (489, 18521), (497, 18548), (567, 18752), (603, 18866), (605, 18875), (612, 18896), (617, 18917), (640, 19016), (648, 19058), (649, 19061), (688, 19190), (714, 19274), (726, 19319), (778, 19601), (794, 19688), (798, 19727),

Gene: Beauxregard13_27 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for Beauxregard13_27:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Beemo_27 Start: 17624, Stop: 20533, Start Num: 31

Candidate Starts for Beemo_27:

(Start: 31 @17624 has 33 MA's), (35, 17636), (47, 17696), (84, 17855), (98, 17918), (113, 17981), (124, 18023), (142, 18080), (151, 18119), (199, 18290), (203, 18296), (208, 18311), (232, 18401), (233, 18404), (237, 18416), (248, 18458), (258, 18512), (276, 18587), (279, 18608), (280, 18611), (282, 18629), (294, 18692), (311, 18758), (315, 18797), (322, 18824), (325, 18839), (332, 18869), (336, 18893), (339, 18905), (341, 18914), (358, 18980), (366, 19019), (386, 19085), (395, 19112), (403, 19139), (437, 19250), (459, 19325), (469, 19370), (477, 19391), (488, 19412), (489, 19415), (504, 19433), (505, 19436), (516, 19463), (523, 19490), (546, 19544), (613, 19736), (618, 19751), (626, 19781), (638, 19832), (655, 19919), (657, 19928), (673, 19979), (701, 20042), (708, 20063), (717, 20099), (728, 20135), (729, 20141), (744, 20219), (749, 20246), (760, 20306), (780, 20375), (784, 20405), (792, 20432), (797, 20471), (801, 20513),

Gene: BeesKnees_25 Start: 16392, Stop: 18869, Start Num: 79

Candidate Starts for BeesKnees_25:

(Start: 79 @16392 has 8 MA's), (83, 16407), (Start: 115 @16521 has 23 MA's), (128, 16563), (223, 16770), (229, 16788), (252, 16878), (265, 16941), (272, 16965), (274, 16977), (282, 17028), (393, 17412), (450, 17514), (462, 17553), (470, 17580), (480, 17604), (529, 17733), (566, 17832), (598, 17934), (605, 17955), (617, 17997), (640, 18096), (651, 18159), (678, 18249), (717, 18378), (725, 18411), (752, 18582), (778, 18693), (790, 18759), (794, 18780), (798, 18819), (800, 18849),

Gene: Bellris_24 Start: 15668, Stop: 18586, Start Num: 31

Candidate Starts for Bellris_24:

(Start: 31 @15668 has 33 MA's), (35, 15680), (67, 15839), (81, 15881), (84, 15902), (113, 16028), (124, 16070), (141, 16124), (142, 16127), (176, 16253), (194, 16328), (197, 16337), (199, 16340), (205, 16352), (247, 16505), (249, 16517), (252, 16529), (253, 16538), (258, 16562), (261, 16583), (264, 16586), (269, 16607), (274, 16628), (276, 16637), (277, 16649), (285, 16697), (294, 16742), (315, 16847), (329, 16910), (335, 16940), (336, 16943), (341, 16964), (342, 16973), (344, 16985), (350, 17009), (358, 17030), (366, 17069), (424, 17255), (429, 17267), (437, 17300), (459, 17375), (462, 17384), (469, 17420), (477, 17441), (488, 17462), (489, 17465), (504, 17483), (505, 17486), (516, 17513), (523, 17540), (547, 17600), (579, 17678), (613, 17786), (626, 17831), (638, 17882), (653, 17963), (655, 17969), (657, 17978), (673, 18029), (701, 18092), (708, 18113), (717, 18152), (729, 18194), (744, 18272), (749, 18299), (760, 18359), (769, 18383), (784, 18458), (797, 18524), (801, 18566),

Gene: BellusTerra_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for BellusTerra_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Benedict_22 Start: 15091, Stop: 17904, Start Num: 4

Candidate Starts for Benedict_22:

(Start: 4 @15091 has 8 MA's), (24, 15280), (98, 15628), (136, 15763), (138, 15769), (159, 15862), (176, 15913), (184, 15949), (213, 16039), (227, 16105), (233, 16126), (252, 16201), (258, 16234), (272, 16288), (277, 16321), (278, 16324), (280, 16333), (299, 16432), (303, 16441), (308, 16465), (334, 16594), (389, 16708), (418, 16759), (445, 16825), (475, 16918), (493, 16951), (552, 17038), (586, 17071), (590, 17083), (601, 17113), (629, 17176), (635, 17218), (654, 17290), (655, 17293), (663, 17317), (668, 17332), (675, 17359), (687, 17380), (719, 17467), (731, 17497), (732, 17500), (742, 17560), (756, 17659), (760, 17671), (763, 17683), (766, 17692), (796, 17839),

Gene: BengiVuitton_27 Start: 17042, Stop: 19579, Start Num: 86

Candidate Starts for BengiVuitton_27:

(Start: 86 @17042 has 90 MA's), (135, 17222), (137, 17225), (150, 17273), (190, 17393), (194, 17414), (197, 17423), (207, 17444), (217, 17477), (224, 17510), (237, 17552), (249, 17603), (253, 17624), (258, 17648), (259, 17651), (261, 17669), (272, 17702), (274, 17714), (276, 17723), (279, 17744), (280, 17747), (296, 17834), (315, 17933), (325, 17975), (326, 17984), (328, 17993), (341, 18050), (358, 18116), (366, 18155), (459, 18461), (462, 18470), (464, 18476), (465, 18485), (469, 18506), (479, 18530), (489, 18551), (505, 18572), (508, 18578), (518, 18611), (522, 18623), (558, 18722), (585, 18782), (596, 18809), (613, 18872), (626, 18917), (630, 18929), (707, 19145), (711, 19154), (745, 19265), (750, 19295), (769, 19379),

Gene: BennyP_29 Start: 16735, Stop: 18939, Start Num: 76

Candidate Starts for BennyP_29:

(42, 16576), (64, 16690), (Start: 76 @16735 has 49 MA's), (Start: 107 @16846 has 1 MA's), (110, 16852), (142, 16960), (165, 17002), (184, 17068), (214, 17161), (221, 17188), (252, 17311), (258, 17344), (278, 17434), (290, 17503), (341, 17746), (476, 17884), (543, 18004), (610, 18157), (638, 18220), (648, 18262), (678, 18361), (683, 18382), (690, 18403), (700, 18424), (714, 18475), (717, 18487), (722, 18502), (738, 18583), (750, 18661),

Gene: Benvolio_26 Start: 16721, Stop: 19258, Start Num: 86

Candidate Starts for Benvolio_26:

(Start: 86 @16721 has 90 MA's), (135, 16901), (147, 16934), (188, 17066), (190, 17072), (194, 17093), (197, 17102), (224, 17189), (237, 17231), (249, 17282), (257, 17318), (259, 17330), (261, 17348), (272, 17381), (274, 17393), (275, 17396), (276, 17402), (279, 17423), (280, 17426), (315, 17612), (325, 17654), (326, 17663), (328, 17672), (341, 17729), (358, 17795), (366, 17834), (414, 17987), (459, 18140), (462, 18149), (464, 18155), (465, 18164), (469, 18185), (479, 18209), (489, 18230), (505, 18251), (518, 18290), (522, 18302), (558, 18401), (585, 18461), (596, 18488), (613, 18551), (626, 18596), (637, 18644), (707, 18824), (711, 18833), (745, 18944), (750, 18974), (769, 19058),

Gene: Bethlehem_24 Start: 17626, Stop: 20097, Start Num: 77

Candidate Starts for Bethlehem_24:

(Start: 77 @17626 has 209 MA's), (90, 17665), (Start: 107 @17728 has 1 MA's), (Start: 115 @17758 has 23 MA's), (Start: 121 @17779 has 10 MA's), (128, 17800), (176, 17830), (182, 17854), (201, 17920), (252, 18118), (258, 18151), (274, 18217), (321, 18472), (325, 18493), (331, 18520), (402, 18679), (428, 18715), (467, 18808), (473, 18829), (497, 18886), (543, 19006), (554, 19042), (566, 19072), (578, 19108), (598, 19174), (605, 19195), (617, 19237), (640, 19336), (675, 19477), (683,

19498), (723, 19633), (752, 19810), (778, 19921), (790, 19987), (794, 20008), (798, 20047), (799, 20062),

Gene: Bexan_23 Start: 17348, Stop: 19819, Start Num: 77

Candidate Starts for Bexan_23:

(Start: 77 @17348 has 209 MA's), (90, 17387), (Start: 107 @17450 has 1 MA's), (Start: 115 @17480 has 23 MA's), (Start: 121 @17501 has 10 MA's), (128, 17522), (133, 17534), (176, 17552), (182, 17576), (187, 17597), (201, 17642), (252, 17840), (258, 17873), (274, 17939), (321, 18194), (325, 18215), (331, 18242), (402, 18401), (428, 18437), (467, 18530), (473, 18551), (497, 18608), (543, 18728), (554, 18764), (566, 18794), (578, 18830), (598, 18896), (605, 18917), (640, 19058), (675, 19199), (683, 19220), (723, 19355), (752, 19532), (778, 19643), (794, 19730), (798, 19769), (800, 19799),

Gene: BiancaTri92_28 Start: 18408, Stop: 20945, Start Num: 86

Candidate Starts for BiancaTri92_28:

(Start: 86 @18408 has 90 MA's), (135, 18588), (137, 18591), (150, 18639), (190, 18759), (194, 18780), (197, 18789), (207, 18810), (217, 18843), (224, 18876), (237, 18918), (248, 18960), (249, 18969), (259, 19017), (261, 19035), (272, 19068), (274, 19080), (276, 19089), (277, 19101), (279, 19110), (315, 19299), (322, 19326), (325, 19341), (336, 19395), (341, 19416), (358, 19482), (366, 19521), (393, 19608), (459, 19827), (464, 19842), (469, 19872), (477, 19893), (479, 19896), (484, 19908), (504, 19935), (518, 19977), (528, 20004), (546, 20046), (555, 20076), (558, 20088), (585, 20148), (596, 20175), (613, 20238), (626, 20283), (630, 20295), (661, 20433), (703, 20502), (707, 20511), (711, 20520), (745, 20631), (750, 20661), (758, 20715), (769, 20745),

Gene: Big3_24 Start: 16979, Stop: 19450, Start Num: 77

Candidate Starts for Big3_24:

(Start: 77 @16979 has 209 MA's), (90, 17018), (Start: 107 @17081 has 1 MA's), (Start: 115 @17111 has 23 MA's), (Start: 121 @17132 has 10 MA's), (128, 17153), (176, 17183), (182, 17207), (201, 17273), (252, 17471), (258, 17504), (274, 17570), (321, 17825), (325, 17846), (331, 17873), (402, 18032), (428, 18068), (467, 18161), (473, 18182), (480, 18197), (491, 18218), (493, 18221), (518, 18290), (529, 18326), (543, 18359), (554, 18395), (566, 18425), (578, 18461), (598, 18527), (605, 18548), (640, 18689), (675, 18830), (683, 18851), (723, 18986), (752, 19163), (778, 19274), (794, 19361), (798, 19400), (799, 19415),

Gene: BigMau_26 Start: 16571, Stop: 19051, Start Num: 77

Candidate Starts for BigMau_26:

(Start: 77 @16571 has 209 MA's), (90, 16610), (Start: 107 @16673 has 1 MA's), (Start: 115 @16703 has 23 MA's), (128, 16745), (223, 16952), (229, 16970), (252, 17060), (265, 17123), (272, 17147), (274, 17159), (282, 17210), (393, 17594), (450, 17696), (462, 17735), (467, 17750), (470, 17762), (480, 17786), (529, 17915), (566, 18014), (598, 18116), (605, 18137), (617, 18179), (640, 18278), (651, 18341), (678, 18431), (717, 18560), (725, 18593), (778, 18875), (790, 18941), (794, 18962), (798, 19001), (799, 19016),

Gene: BigPaolini_25 Start: 16999, Stop: 19470, Start Num: 77

Candidate Starts for BigPaolini_25:

(Start: 77 @16999 has 209 MA's), (90, 17038), (Start: 107 @17101 has 1 MA's), (Start: 115 @17131 has 23 MA's), (Start: 121 @17152 has 10 MA's), (128, 17173), (133, 17185), (176, 17203), (201, 17293), (252, 17491), (258, 17524), (274, 17590), (321, 17845), (325, 17866), (331, 17893), (402, 18052), (428, 18088), (467, 18181), (473, 18202), (480, 18217), (491, 18238), (493, 18241), (518, 18310), (529, 18346), (543, 18379), (554, 18415), (566, 18445), (578, 18481), (598, 18547), (605, 18568), (640, 18709), (675, 18850), (683, 18871), (723, 19006), (752, 19183), (778, 19294), (794, 19381), (798, 19420), (799, 19435),

Gene: Bigchungji_24 Start: 16372, Stop: 18843, Start Num: 77

Candidate Starts for Bigchungji_24:

(Start: 77 @16372 has 209 MA's), (90, 16411), (Start: 107 @16474 has 1 MA's), (Start: 115 @16504 has 23 MA's), (Start: 121 @16525 has 10 MA's), (128, 16546), (133, 16558), (176, 16576), (201, 16666), (252, 16864), (258, 16897), (274, 16963), (321, 17218), (325, 17239), (331, 17266), (402, 17425), (428, 17461), (467, 17554), (473, 17575), (497, 17632), (543, 17752), (554, 17788), (566, 17818), (578, 17854), (598, 17920), (605, 17941), (640, 18082), (675, 18223), (683, 18244), (752, 18556), (778, 18667), (782, 18709), (794, 18754), (798, 18793), (799, 18808),

Gene: Bigflo_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for Bigflo_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: Bigfoot_23 Start: 16100, Stop: 18679, Start Num: 77

Candidate Starts for Bigfoot_23:

(Start: 77 @16100 has 209 MA's), (90, 16139), (Start: 107 @16202 has 1 MA's), (Start: 115 @16232 has 23 MA's), (216, 16451), (224, 16487), (265, 16655), (276, 16700), (280, 16724), (282, 16742), (344, 17054), (409, 17210), (446, 17312), (455, 17345), (481, 17417), (497, 17456), (529, 17543), (566, 17642), (598, 17744), (605, 17765), (608, 17777), (617, 17807), (640, 17906), (651, 17969), (678, 18059), (717, 18188), (725, 18221), (778, 18503), (794, 18590), (798, 18629), (800, 18659),

Gene: BillKnuckles_25 Start: 17064, Stop: 19535, Start Num: 77

Candidate Starts for BillKnuckles_25:

(Start: 77 @17064 has 209 MA's), (90, 17103), (Start: 107 @17166 has 1 MA's), (Start: 115 @17196 has 23 MA's), (Start: 121 @17217 has 10 MA's), (128, 17238), (133, 17250), (176, 17268), (187, 17313), (201, 17358), (252, 17556), (258, 17589), (274, 17655), (321, 17910), (325, 17931), (331, 17958), (402, 18117), (428, 18153), (467, 18246), (473, 18267), (497, 18324), (543, 18444), (554, 18480), (566, 18510), (578, 18546), (598, 18612), (605, 18633), (640, 18774), (675, 18915), (683, 18936), (723, 19071), (752, 19248), (778, 19359), (790, 19425), (794, 19446), (798, 19485), (799, 19500),

Gene: Bircsak_24 Start: 16849, Stop: 19329, Start Num: 77

Candidate Starts for Bircsak_24:

(Start: 77 @16849 has 209 MA's), (90, 16888), (Start: 107 @16951 has 1 MA's), (Start: 115 @16981 has 23 MA's), (128, 17023), (223, 17230), (229, 17248), (252, 17338), (265, 17401), (272, 17425), (274, 17437), (282, 17488), (393, 17872), (450, 17974), (462, 18013), (467, 18028), (470, 18040), (480, 18064), (566, 18292), (598, 18394), (605, 18415), (608, 18427), (617, 18457), (640, 18556), (651, 18619), (717, 18838), (725, 18871), (778, 19153), (794, 19240), (798, 19279), (800, 19309),

Gene: Blackflame_24 Start: 16381, Stop: 18852, Start Num: 77

Candidate Starts for Blackflame_24:

(Start: 77 @16381 has 209 MA's), (90, 16420), (Start: 107 @16483 has 1 MA's), (Start: 115 @16513 has 23 MA's), (Start: 121 @16534 has 10 MA's), (128, 16555), (133, 16567), (176, 16585), (201,

16675), (252, 16873), (258, 16906), (274, 16972), (321, 17227), (325, 17248), (331, 17275), (334, 17290), (402, 17434), (428, 17470), (467, 17563), (473, 17584), (497, 17641), (529, 17728), (543, 17761), (554, 17797), (566, 17827), (578, 17863), (598, 17929), (605, 17950), (640, 18091), (675, 18232), (683, 18253), (723, 18388), (752, 18565), (778, 18676), (794, 18763), (798, 18802), (800, 18832),

Gene: Blackmoor_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Blackmoor_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: BlessJoy_29 Start: 16715, Stop: 18931, Start Num: 76

Candidate Starts for BlessJoy_29:

(64, 16670), (Start: 76 @16715 has 49 MA's), (Start: 107 @16826 has 1 MA's), (165, 16982), (210, 17129), (214, 17141), (251, 17288), (252, 17291), (258, 17324), (278, 17414), (290, 17483), (308, 17558), (341, 17726), (543, 17984), (559, 18029), (610, 18137), (638, 18200), (648, 18242), (678, 18341), (683, 18362), (700, 18404), (714, 18455), (722, 18482), (738, 18563), (750, 18653),

Gene: Blesser_24 Start: 16659, Stop: 19238, Start Num: 77

Candidate Starts for Blesser_24:

(Start: 77 @16659 has 209 MA's), (90, 16698), (Start: 107 @16761 has 1 MA's), (Start: 115 @16791 has 23 MA's), (216, 17010), (224, 17046), (265, 17214), (276, 17259), (280, 17283), (282, 17301), (344, 17613), (409, 17769), (446, 17871), (455, 17904), (481, 17976), (497, 18015), (529, 18102), (566, 18201), (598, 18303), (605, 18324), (608, 18336), (617, 18366), (640, 18465), (651, 18528), (717, 18747), (725, 18780), (778, 19062), (794, 19149), (798, 19188), (800, 19218),

Gene: Blinn1_29 Start: 16777, Stop: 19005, Start Num: 76

Candidate Starts for Blinn1_29:

(42, 16618), (64, 16732), (Start: 76 @16777 has 49 MA's), (Start: 107 @16888 has 1 MA's), (110, 16894), (165, 17044), (214, 17203), (221, 17230), (251, 17350), (252, 17353), (258, 17386), (278, 17476), (290, 17545), (332, 17743), (341, 17788), (515, 17992), (543, 18046), (597, 18169), (638, 18268), (642, 18277), (645, 18298), (655, 18343), (658, 18355), (722, 18562), (727, 18580), (743, 18682), (745, 18691), (750, 18721),

Gene: BluSpix_24 Start: 16360, Stop: 18831, Start Num: 77

Candidate Starts for BluSpix_24:

(Start: 77 @16360 has 209 MA's), (90, 16399), (Start: 107 @16462 has 1 MA's), (Start: 115 @16492 has 23 MA's), (Start: 121 @16513 has 10 MA's), (128, 16534), (133, 16546), (176, 16564), (201, 16654), (252, 16852), (258, 16885), (274, 16951), (321, 17206), (325, 17227), (331, 17254), (402, 17413), (428, 17449), (467, 17542), (473, 17563), (497, 17620), (543, 17740), (554, 17776), (566, 17806), (578, 17842), (598, 17908), (605, 17929), (640, 18070), (675, 18211), (683, 18232), (723, 18367), (752, 18544), (778, 18655), (790, 18721), (794, 18742), (798, 18781), (800, 18811),

Gene: Blue_24 Start: 16469, Stop: 19303, Start Num: 77

Candidate Starts for Blue_24:

(Start: 77 @16469 has 209 MA's), (98, 16541), (198, 16784), (203, 16799), (217, 16844), (242, 16964), (246, 16982), (254, 17030), (261, 17075), (274, 17120), (275, 17123), (282, 17171), (316, 17354), (320, 17381), (335, 17465), (345, 17522), (349, 17540), (362, 17585), (369, 17621), (383, 17681), (399, 17729), (416, 17792), (417, 17795), (443, 17888), (451, 17912), (461, 17948), (467, 17975),

(470, 17987), (477, 18005), (484, 18020), (506, 18083), (549, 18212), (564, 18257), (572, 18290), (575, 18302), (613, 18431), (636, 18527), (655, 18614), (656, 18617), (662, 18635), (723, 18839), (752, 19016), (778, 19127), (794, 19214), (798, 19253), (799, 19268),

Gene: Blue7_29 Start: 16707, Stop: 18923, Start Num: 76

Candidate Starts for Blue7_29:

(64, 16662), (Start: 76 @16707 has 49 MA's), (Start: 107 @16818 has 1 MA's), (165, 16974), (210, 17121), (214, 17133), (251, 17280), (252, 17283), (258, 17316), (278, 17406), (290, 17475), (308, 17550), (341, 17718), (543, 17976), (559, 18021), (610, 18129), (638, 18192), (648, 18234), (678, 18333), (683, 18354), (700, 18396), (714, 18447), (722, 18474), (738, 18555), (750, 18645),

Gene: BlueBird_26 Start: 15495, Stop: 18530, Start Num: 16

Candidate Starts for BlueBird_26:

(Start: 16 @15495 has 33 MA's), (46, 15669), (49, 15681), (54, 15714), (106, 15924), (141, 16044), (142, 16047), (197, 16251), (207, 16272), (216, 16302), (217, 16305), (233, 16368), (237, 16380), (245, 16413), (249, 16431), (264, 16500), (267, 16506), (269, 16521), (272, 16530), (274, 16542), (276, 16551), (292, 16644), (315, 16761), (316, 16764), (322, 16788), (323, 16791), (325, 16803), (336, 16857), (341, 16878), (344, 16899), (358, 16944), (363, 16971), (366, 16983), (411, 17124), (424, 17169), (430, 17184), (452, 17259), (453, 17268), (462, 17298), (465, 17313), (466, 17316), (469, 17334), (477, 17355), (479, 17358), (504, 17397), (505, 17400), (538, 17484), (558, 17550), (569, 17571), (585, 17610), (600, 17649), (605, 17670), (613, 17700), (614, 17703), (617, 17712), (624, 17736), (640, 17805), (643, 17826), (656, 17895), (662, 17913), (678, 17961), (681, 17973), (701, 18015), (704, 18027), (717, 18075), (751, 18246), (754, 18276), (762, 18306), (770, 18327), (796, 18462), (800, 18510),

Gene: Bob3_23 Start: 15911, Stop: 18391, Start Num: 77

Candidate Starts for Bob3_23:

(Start: 77 @15911 has 209 MA's), (90, 15950), (Start: 107 @16013 has 1 MA's), (Start: 115 @16043 has 23 MA's), (128, 16085), (223, 16292), (229, 16310), (252, 16400), (265, 16463), (272, 16487), (274, 16499), (282, 16550), (393, 16934), (450, 17036), (462, 17075), (467, 17090), (470, 17102), (480, 17126), (529, 17255), (566, 17354), (598, 17456), (605, 17477), (617, 17519), (640, 17618), (651, 17681), (678, 17771), (717, 17900), (725, 17933), (778, 18215), (790, 18281), (794, 18302), (798, 18341), (799, 18356),

Gene: BobSwaget_29 Start: 18249, Stop: 20777, Start Num: 86

Candidate Starts for BobSwaget_29:

(Start: 86 @18249 has 90 MA's), (Start: 114 @18360 has 5 MA's), (117, 18372), (135, 18429), (137, 18432), (194, 18621), (217, 18684), (248, 18801), (249, 18810), (253, 18831), (258, 18855), (274, 18921), (276, 18930), (279, 18951), (280, 18954), (315, 19140), (325, 19182), (341, 19257), (358, 19323), (366, 19362), (424, 19548), (453, 19647), (459, 19668), (469, 19713), (504, 19776), (518, 19818), (528, 19845), (555, 19917), (558, 19929), (593, 20013), (594, 20016), (613, 20079), (626, 20124), (630, 20136), (647, 20220), (661, 20274), (695, 20325), (711, 20358), (728, 20382), (750, 20499), (769, 20577),

Gene: BogosyJay_27 Start: 17339, Stop: 20263, Start Num: 31

Candidate Starts for BogosyJay_27:

(Start: 31 @17339 has 33 MA's), (35, 17351), (39, 17375), (43, 17387), (84, 17576), (98, 17639), (113, 17702), (124, 17744), (142, 17801), (143, 17807), (199, 18017), (203, 18023), (208, 18038), (222, 18089), (232, 18128), (237, 18143), (248, 18185), (249, 18194), (258, 18239), (264, 18263), (276, 18314), (279, 18335), (280, 18338), (282, 18356), (311, 18485), (315, 18524), (322, 18551), (325, 18566), (332, 18596), (336, 18620), (341, 18641), (358, 18707), (366, 18746), (395, 18839), (403, 18866), (424, 18932), (437, 18977), (459, 19052), (469, 19097), (477, 19118), (488, 19139), (489, 19142), (504, 19160), (505, 19163), (516, 19190), (517, 19193), (523, 19217), (547, 19277), (551,

19289), (579, 19355), (613, 19463), (626, 19508), (630, 19520), (637, 19556), (638, 19559), (647, 19604), (653, 19640), (657, 19655), (673, 19706), (701, 19769), (717, 19829), (729, 19871), (744, 19949), (749, 19976), (751, 19985), (760, 20036), (784, 20135), (792, 20162), (797, 20201), (801, 20243),

Gene: Bombshell_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Bombshell_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Bones_24 Start: 16097, Stop: 18757, Start Num: 77

Candidate Starts for Bones_24:

(Start: 77 @16097 has 209 MA's), (90, 16136), (Start: 107 @16199 has 1 MA's), (Start: 115 @16229 has 23 MA's), (128, 16271), (252, 16580), (265, 16643), (276, 16688), (281, 16712), (295, 16787), (298, 16799), (369, 17120), (467, 17450), (489, 17501), (497, 17528), (567, 17732), (603, 17846), (605, 17855), (612, 17876), (617, 17897), (640, 17996), (648, 18038), (649, 18041), (688, 18170), (714, 18254), (726, 18299), (778, 18581), (790, 18647), (794, 18668), (798, 18707), (799, 18722),

Gene: Boohoo_28 Start: 15923, Stop: 18112, Start Num: 120

Candidate Starts for Boohoo_28:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16166), (210, 16172), (228, 16241), (243, 16298), (276, 16442), (282, 16484), (291, 16532), (292, 16535), (314, 16646), (317, 16664), (341, 16769), (351, 16817), (425, 16922), (447, 16982), (468, 17036), (487, 17072), (498, 17096), (502, 17105), (526, 17168), (537, 17189), (542, 17204), (552, 17228), (556, 17240), (584, 17294), (592, 17315), (605, 17345), (659, 17516), (667, 17537), (700, 17621), (770, 17924), (796, 18047), (797, 18059),

Gene: Bowtie_26 Start: 17163, Stop: 19709, Start Num: 71

Candidate Starts for Bowtie_26:

(Start: 71 @17163 has 22 MA's), (Start: 78 @17181 has 2 MA's), (127, 17355), (Start: 129 @17364 has 1 MA's), (166, 17439), (189, 17493), (206, 17547), (211, 17562), (212, 17565), (217, 17583), (233, 17646), (237, 17658), (252, 17721), (265, 17784), (269, 17799), (272, 17808), (276, 17829), (280, 17853), (282, 17868), (300, 17955), (302, 17958), (307, 17973), (310, 17994), (312, 18006), (321, 18072), (335, 18144), (341, 18168), (371, 18249), (374, 18258), (378, 18270), (393, 18312), (422, 18369), (442, 18423), (481, 18531), (495, 18570), (546, 18711), (580, 18807), (589, 18828), (602, 18861), (613, 18894), (614, 18897), (639, 18981), (648, 19026), (649, 19029), (680, 19143), (690, 19176), (714, 19248), (724, 19284), (738, 19356), (750, 19434), (760, 19488), (769, 19512), (795, 19623),

Gene: Bradman_25 Start: 15528, Stop: 18041, Start Num: 86

Candidate Starts for Bradman_25:

(Start: 86 @15528 has 90 MA's), (Start: 114 @15639 has 5 MA's), (134, 15705), (135, 15708), (137, 15711), (194, 15897), (197, 15906), (203, 15915), (237, 16035), (249, 16086), (260, 16143), (264, 16155), (267, 16161), (269, 16176), (274, 16197), (276, 16206), (283, 16254), (315, 16416), (323, 16446), (325, 16458), (333, 16497), (336, 16512), (341, 16533), (353, 16590), (358, 16599), (363, 16626), (393, 16725), (424, 16824), (430, 16839), (453, 16923), (459, 16944), (469, 16989), (504, 17052), (505, 17055), (522, 17106), (528, 17121), (585, 17265), (596, 17292), (613, 17355), (618, 17370), (626, 17400), (647, 17496), (664, 17562), (707, 17625), (760, 17820), (761, 17823), (769, 17844),

Gene: BreSam8_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for BreSam8_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (363, 17445), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (605, 18144), (613, 18174), (614, 18177), (617, 18186), (640, 18279), (656, 18369), (678, 18435), (681, 18447), (701, 18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: Briton15_26 Start: 16649, Stop: 19126, Start Num: 79

Candidate Starts for Briton15_26:

(Start: 79 @16649 has 8 MA's), (83, 16664), (Start: 115 @16778 has 23 MA's), (128, 16820), (223, 17027), (229, 17045), (252, 17135), (265, 17198), (272, 17222), (274, 17234), (282, 17285), (393, 17669), (450, 17771), (462, 17810), (470, 17837), (480, 17861), (529, 17990), (566, 18089), (598, 18191), (605, 18212), (617, 18254), (640, 18353), (651, 18416), (678, 18506), (717, 18635), (725, 18668), (752, 18839), (778, 18950), (790, 19016), (794, 19037), (798, 19076), (799, 19091),

Gene: Broseidon_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Broseidon_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Bruiser_24 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Bruiser_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Bruns_23 Start: 16283, Stop: 18754, Start Num: 77

Candidate Starts for Bruns_23:

(Start: 77 @16283 has 209 MA's), (90, 16322), (Start: 107 @16385 has 1 MA's), (Start: 115 @16415 has 23 MA's), (Start: 121 @16436 has 10 MA's), (128, 16457), (133, 16469), (176, 16487), (201, 16577), (252, 16775), (258, 16808), (274, 16874), (321, 17129), (325, 17150), (331, 17177), (402, 17336), (428, 17372), (467, 17465), (473, 17486), (480, 17501), (491, 17522), (493, 17525), (518, 17594), (529, 17630), (543, 17663), (554, 17699), (557, 17708), (566, 17729), (578, 17765), (598, 17831), (605, 17852), (640, 17993), (675, 18134), (683, 18155), (723, 18290), (752, 18467), (778, 18578), (794, 18665), (798, 18704), (799, 18719),

Gene: BubbleTrouble_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for BubbleTrouble_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (527, 17355), (545, 17409), (558, 17454), (576, 17514), (579, 17532), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Bud_26 Start: 17169, Stop: 19715, Start Num: 71

Candidate Starts for Bud_26:

(Start: 71 @17169 has 22 MA's), (Start: 78 @17187 has 2 MA's), (127, 17361), (Start: 129 @17370 has 1 MA's), (166, 17445), (189, 17499), (206, 17553), (211, 17568), (212, 17571), (217, 17589), (233, 17652), (237, 17664), (252, 17727), (265, 17790), (269, 17805), (272, 17814), (276, 17835), (280, 17859), (282, 17874), (300, 17961), (302, 17964), (307, 17979), (310, 18000), (312, 18012), (321, 18078), (334, 18141), (335, 18150), (341, 18174), (371, 18255), (374, 18264), (378, 18276), (393, 18318), (422, 18375), (442, 18429), (481, 18537), (495, 18576), (546, 18717), (580, 18813), (589, 18834), (602, 18867), (613, 18900), (614, 18903), (639, 18987), (648, 19032), (649, 19035), (680, 19149), (690, 19182), (714, 19254), (724, 19290), (738, 19362), (750, 19440), (760, 19494), (769, 19518), (795, 19629),

Gene: Bugatti_25 Start: 15495, Stop: 18530, Start Num: 16

Candidate Starts for Bugatti_25:

(Start: 16 @15495 has 33 MA's), (46, 15669), (49, 15681), (54, 15714), (106, 15924), (141, 16044), (142, 16047), (197, 16251), (207, 16272), (216, 16302), (217, 16305), (233, 16368), (237, 16380), (245, 16413), (249, 16431), (264, 16500), (267, 16506), (269, 16521), (272, 16530), (274, 16542), (276, 16551), (292, 16644), (315, 16761), (316, 16764), (322, 16788), (323, 16791), (325, 16803), (336, 16857), (341, 16878), (344, 16899), (358, 16944), (363, 16971), (366, 16983), (411, 17124), (424, 17169), (430, 17184), (452, 17259), (453, 17268), (462, 17298), (465, 17313), (466, 17316), (469, 17334), (477, 17355), (479, 17358), (504, 17397), (505, 17400), (538, 17484), (558, 17550), (569, 17571), (585, 17610), (600, 17649), (605, 17670), (613, 17700), (614, 17703), (617, 17712), (624, 17736), (640, 17805), (643, 17826), (656, 17895), (662, 17913), (678, 17961), (681, 17973), (701, 18015), (704, 18027), (717, 18075), (751, 18246), (754, 18276), (762, 18306), (770, 18327), (796, 18462), (800, 18510),

Gene: Buggy_28 Start: 17119, Stop: 19662, Start Num: 86

Candidate Starts for Buggy_28:

(Start: 86 @17119 has 90 MA's), (135, 17299), (137, 17302), (188, 17470), (190, 17476), (194, 17497), (197, 17506), (203, 17515), (207, 17527), (220, 17572), (224, 17593), (237, 17635), (249, 17686), (258, 17731), (259, 17734), (261, 17752), (272, 17785), (274, 17797), (276, 17806), (279, 17827), (280, 17830), (296, 17917), (315, 18016), (325, 18058), (326, 18067), (328, 18076), (341, 18133), (358, 18199), (366, 18238), (395, 18331), (407, 18367), (424, 18424), (444, 18490), (453, 18523), (458, 18538), (459, 18544), (462, 18553), (465, 18568), (469, 18589), (477, 18610), (488, 18631), (489, 18634), (504, 18652), (505, 18655), (522, 18706), (546, 18763), (551, 18781), (558, 18805), (585, 18865), (596, 18892), (613, 18955), (626, 19000), (655, 19138), (707, 19228), (711, 19237), (728, 19261), (745, 19348), (750, 19378), (769, 19462),

Gene: Bumblebee11_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Bumblebee11_25:

(Start: 74 @15885 has 124 MA's), (164, 16200), (171, 16227), (184, 16275), (202, 16332), (229, 16437), (233, 16452), (237, 16464), (252, 16527), (276, 16635), (279, 16656), (282, 16677), (415, 17079), (431, 17121), (432, 17124), (470, 17235), (472, 17241), (531, 17373), (545, 17409), (559, 17457), (592, 17574), (624, 17688), (656, 17853), (662, 17871), (701, 17985), (706, 17997), (733, 18087), (747, 18180), (757, 18252), (760, 18261), (778, 18321), (779, 18330), (796, 18417), (800, 18465),

Gene: Burger_24 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Burger_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (344, 16968), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (521, 17337), (523, 17346), (545, 17409), (550, 17430), (559, 17457), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Burton_25 Start: 16481, Stop: 18952, Start Num: 77

Candidate Starts for Burton_25:

(Start: 77 @16481 has 209 MA's), (90, 16520), (Start: 107 @16583 has 1 MA's), (Start: 115 @16613 has 23 MA's), (Start: 121 @16634 has 10 MA's), (128, 16655), (133, 16667), (176, 16685), (182, 16709), (201, 16775), (252, 16973), (258, 17006), (274, 17072), (321, 17327), (325, 17348), (331, 17375), (402, 17534), (428, 17570), (467, 17663), (473, 17684), (497, 17741), (543, 17861), (554, 17897), (566, 17927), (578, 17963), (598, 18029), (605, 18050), (640, 18191), (675, 18332), (683, 18353), (723, 18488), (752, 18665), (778, 18776), (790, 18842), (794, 18863), (798, 18902), (799, 18917),

Gene: Buttons_25 Start: 16845, Stop: 19313, Start Num: 77

Candidate Starts for Buttons_25:

(Start: 77 @16845 has 209 MA's), (90, 16884), (Start: 107 @16947 has 1 MA's), (Start: 115 @16977 has 23 MA's), (Start: 121 @16998 has 10 MA's), (128, 17019), (133, 17031), (176, 17049), (201, 17139), (252, 17334), (258, 17367), (274, 17433), (321, 17688), (325, 17709), (331, 17736), (339, 17775), (354, 17832), (388, 17862), (402, 17895), (428, 17931), (467, 18024), (473, 18045), (497, 18102), (543, 18222), (554, 18258), (566, 18288), (578, 18324), (598, 18390), (605, 18411), (617, 18453), (640, 18552), (675, 18693), (683, 18714), (741, 18945), (752, 19026), (778, 19137), (794, 19224), (798, 19263), (799, 19278),

Gene: BuzzBuzz_26 Start: 16063, Stop: 19089, Start Num: 17

Candidate Starts for BuzzBuzz_26:

(11, 16009), (Start: 17 @16063 has 84 MA's), (36, 16177), (48, 16243), (49, 16246), (51, 16255), (60, 16291), (69, 16342), (93, 16414), (106, 16486), (141, 16606), (142, 16609), (158, 16678), (170, 16723), (197, 16816), (203, 16825), (209, 16843), (217, 16870), (233, 16933), (237, 16945), (245, 16978), (249, 16996), (261, 17062), (264, 17065), (267, 17071), (269, 17086), (272, 17095), (274, 17107), (276, 17116), (288, 17194), (292, 17209), (315, 17326), (316, 17329), (323, 17356), (325, 17368), (336, 17422), (341, 17443), (358, 17509), (366, 17548), (395, 17641), (411, 17689), (424, 17734), (438, 17782), (452, 17824), (453, 17833), (462, 17863), (463, 17866), (465, 17878), (484, 17935), (488, 17941), (504, 17962), (505, 17965), (555, 18103), (558, 18115), (585, 18175), (604, 18232), (640, 18370), (643, 18391), (647, 18415), (656, 18460), (662, 18478), (678, 18526), (681, 18538), (701, 18580), (718, 18643), (734, 18700), (744, 18769), (751, 18805), (770, 18886), (796, 19021),

Gene: Bxb1_22 Start: 16432, Stop: 18903, Start Num: 77

Candidate Starts for Bxb1_22:

(Start: 77 @16432 has 209 MA's), (90, 16471), (Start: 107 @16534 has 1 MA's), (Start: 115 @16564 has 23 MA's), (Start: 121 @16585 has 10 MA's), (128, 16606), (133, 16618), (176, 16636), (187, 16681), (201, 16726), (252, 16924), (258, 16957), (274, 17023), (321, 17278), (325, 17299), (331, 17326), (402, 17485), (428, 17521), (467, 17614), (473, 17635), (497, 17692), (543, 17812), (554, 17848), (566, 17878), (578, 17914), (598, 17980), (605, 18001), (640, 18142), (675, 18283), (683, 18304), (723, 18439), (752, 18616), (778, 18727), (790, 18793), (794, 18814), (798, 18853), (799,

18868),

Gene: Bxz2_26 Start: 16073, Stop: 19099, Start Num: 17

Candidate Starts for Bxz2_26:

(11, 16019), (Start: 17 @16073 has 84 MA's), (36, 16187), (48, 16253), (49, 16256), (51, 16265), (60, 16301), (69, 16352), (93, 16424), (106, 16496), (141, 16616), (142, 16619), (158, 16688), (170, 16733), (197, 16826), (203, 16835), (209, 16853), (217, 16880), (233, 16943), (237, 16955), (245, 16988), (249, 17006), (261, 17072), (264, 17075), (267, 17081), (269, 17096), (272, 17105), (274, 17117), (276, 17126), (288, 17204), (292, 17219), (315, 17336), (316, 17339), (323, 17366), (325, 17378), (336, 17432), (341, 17453), (358, 17519), (366, 17558), (395, 17651), (411, 17699), (424, 17744), (438, 17792), (452, 17834), (453, 17843), (462, 17873), (463, 17876), (465, 17888), (484, 17945), (488, 17951), (504, 17972), (505, 17975), (555, 18113), (558, 18125), (585, 18185), (604, 18242), (640, 18380), (643, 18401), (647, 18425), (656, 18470), (662, 18488), (678, 18536), (681, 18548), (701, 18590), (718, 18653), (734, 18710), (744, 18779), (751, 18815), (770, 18896), (796, 19031),

Gene: C3_24 Start: 16651, Stop: 19164, Start Num: 86

Candidate Starts for C3_24:

(Start: 86 @16651 has 90 MA's), (135, 16831), (137, 16834), (172, 16945), (217, 17080), (232, 17140), (237, 17155), (244, 17185), (245, 17188), (261, 17272), (269, 17296), (275, 17320), (279, 17347), (280, 17350), (303, 17461), (315, 17536), (322, 17563), (325, 17578), (336, 17632), (341, 17653), (358, 17719), (361, 17737), (363, 17746), (393, 17845), (403, 17878), (407, 17887), (424, 17944), (430, 17959), (459, 18064), (505, 18175), (512, 18187), (513, 18193), (522, 18226), (569, 18346), (613, 18475), (618, 18490), (626, 18520), (630, 18532), (637, 18568), (664, 18682), (678, 18694), (703, 18736), (761, 18943), (768, 18961), (769, 18964), (802, 19150),

Gene: CRB1_26 Start: 16605, Stop: 19142, Start Num: 86

Candidate Starts for CRB1_26:

(Start: 86 @16605 has 90 MA's), (135, 16785), (137, 16788), (150, 16836), (188, 16950), (190, 16956), (194, 16977), (197, 16986), (205, 17001), (224, 17073), (237, 17115), (249, 17166), (259, 17214), (261, 17232), (272, 17265), (274, 17277), (276, 17286), (315, 17496), (325, 17538), (326, 17547), (328, 17556), (341, 17613), (356, 17676), (358, 17679), (366, 17718), (414, 17871), (417, 17877), (424, 17904), (437, 17949), (459, 18024), (462, 18033), (465, 18048), (469, 18069), (479, 18093), (489, 18114), (505, 18135), (522, 18186), (546, 18243), (558, 18285), (582, 18336), (585, 18345), (596, 18372), (613, 18435), (655, 18618), (707, 18708), (711, 18717), (745, 18828), (750, 18858), (769, 18942),

Gene: CactusRose_23 Start: 16092, Stop: 18752, Start Num: 77

Candidate Starts for CactusRose_23:

(Start: 77 @16092 has 209 MA's), (90, 16131), (Start: 107 @16194 has 1 MA's), (110, 16200), (Start: 115 @16224 has 23 MA's), (128, 16266), (252, 16575), (265, 16638), (276, 16683), (281, 16707), (295, 16782), (298, 16794), (369, 17115), (467, 17445), (489, 17496), (497, 17523), (567, 17727), (603, 17841), (605, 17850), (612, 17871), (617, 17892), (640, 17991), (648, 18033), (649, 18036), (671, 18111), (688, 18165), (714, 18249), (726, 18294), (778, 18576), (794, 18663), (798, 18702), (799, 18717),

Gene: Caelakin_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Caelakin_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706,

17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Calvinny_28 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Calvinny_28:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325, 17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: Camperdownii_24 Start: 15504, Stop: 18104, Start Num: 74

Candidate Starts for Camperdownii_24:

(Start: 74 @15504 has 124 MA's), (Start: 115 @15645 has 23 MA's), (Start: 121 @15663 has 10 MA's), (164, 15819), (180, 15870), (189, 15909), (196, 15939), (237, 16083), (252, 16146), (265, 16209), (276, 16254), (282, 16296), (299, 16380), (387, 16647), (415, 16698), (432, 16743), (460, 16821), (470, 16854), (472, 16860), (527, 16974), (545, 17028), (558, 17073), (576, 17133), (592, 17193), (624, 17307), (656, 17472), (662, 17490), (706, 17616), (756, 17868), (757, 17871), (760, 17880), (778, 17940), (796, 18036), (800, 18084),

Gene: Candra_29 Start: 16771, Stop: 18975, Start Num: 76

Candidate Starts for Candra_29:

(42, 16612), (64, 16726), (Start: 76 @16771 has 49 MA's), (Start: 107 @16882 has 1 MA's), (110, 16888), (142, 16996), (165, 17038), (184, 17104), (214, 17197), (221, 17224), (252, 17347), (258, 17380), (278, 17470), (290, 17539), (341, 17782), (476, 17920), (543, 18040), (610, 18193), (638, 18256), (648, 18298), (678, 18397), (683, 18418), (690, 18439), (700, 18460), (714, 18511), (717, 18523), (722, 18538), (738, 18619), (750, 18697),

Gene: Carlyle_26 Start: 17233, Stop: 19632, Start Num: 77

Candidate Starts for Carlyle_26:

(Start: 77 @17233 has 209 MA's), (90, 17272), (Start: 107 @17335 has 1 MA's), (Start: 115 @17365 has 23 MA's), (Start: 121 @17386 has 10 MA's), (128, 17407), (133, 17419), (140, 17437), (201, 17527), (252, 17725), (258, 17758), (274, 17824), (324, 18079), (330, 18100), (335, 18127), (345, 18166), (393, 18223), (423, 18253), (500, 18415), (560, 18568), (566, 18580), (573, 18595), (604, 18712), (617, 18757), (621, 18778), (623, 18781), (651, 18931), (656, 18946), (675, 19012), (690, 19054), (741, 19264), (752, 19345), (778, 19456), (794, 19543), (798, 19582), (799, 19597),

Gene: CartmannCramer_24 Start: 18190, Stop: 20850, Start Num: 77

Candidate Starts for CartmannCramer_24:

(Start: 77 @18190 has 209 MA's), (90, 18229), (Start: 107 @18292 has 1 MA's), (110, 18298), (Start: 115 @18322 has 23 MA's), (128, 18364), (252, 18673), (265, 18736), (276, 18781), (281, 18805), (295, 18880), (298, 18892), (369, 19213), (449, 19471), (451, 19480), (467, 19543), (489, 19594), (497, 19621), (567, 19825), (603, 19939), (605, 19948), (612, 19969), (617, 19990), (640, 20089), (648, 20131), (649, 20134), (688, 20263), (714, 20347), (726, 20392), (778, 20674), (782, 20716), (794, 20761), (798, 20800), (799, 20815),

Gene: CatBus_25 Start: 17387, Stop: 19858, Start Num: 77

Candidate Starts for CatBus_25:

(Start: 77 @17387 has 209 MA's), (90, 17426), (Start: 107 @17489 has 1 MA's), (Start: 115 @17519 has 23 MA's), (Start: 121 @17540 has 10 MA's), (128, 17561), (133, 17573), (176, 17591), (182, 17615), (201, 17681), (252, 17879), (258, 17912), (274, 17978), (321, 18233), (325, 18254), (331, 18281), (354, 18377), (388, 18407), (402, 18440), (428, 18476), (467, 18569), (473, 18590), (497, 18647), (543, 18767), (554, 18803), (566, 18833), (578, 18869), (598, 18935), (605, 18956), (617, 18998), (640, 19097), (675, 19238), (683, 19259), (723, 19394), (778, 19682), (794, 19769), (798, 19808),

Gene: Catalina_27 Start: 17591, Stop: 20500, Start Num: 31

Candidate Starts for Catalina_27:

(Start: 31 @17591 has 33 MA's), (35, 17603), (47, 17663), (84, 17822), (98, 17885), (113, 17948), (124, 17990), (141, 18044), (142, 18047), (151, 18086), (199, 18257), (203, 18263), (208, 18278), (232, 18368), (233, 18371), (237, 18383), (248, 18425), (258, 18479), (261, 18500), (276, 18554), (279, 18575), (280, 18578), (282, 18596), (294, 18659), (311, 18725), (315, 18764), (322, 18791), (325, 18806), (332, 18836), (336, 18860), (339, 18872), (341, 18881), (358, 18947), (366, 18986), (386, 19052), (395, 19079), (403, 19106), (424, 19172), (437, 19217), (459, 19292), (469, 19337), (477, 19358), (488, 19379), (489, 19382), (504, 19400), (505, 19403), (516, 19430), (546, 19511), (558, 19553), (613, 19703), (618, 19718), (626, 19748), (638, 19799), (655, 19886), (657, 19895), (673, 19946), (701, 20009), (708, 20030), (717, 20066), (728, 20102), (729, 20108), (744, 20186), (749, 20213), (760, 20273), (780, 20342), (784, 20372), (792, 20399), (797, 20438), (801, 20480),

Gene: Caviar_26 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for Caviar_26:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (203, 16811), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Celestiallunch_26 Start: 15544, Stop: 18645, Start Num: 8

Candidate Starts for Celestiallunch_26:

(8, 15544), (Start: 31 @15733 has 33 MA's), (35, 15745), (43, 15781), (67, 15898), (81, 15940), (Start: 107 @16066 has 1 MA's), (124, 16129), (141, 16183), (142, 16186), (176, 16312), (199, 16399), (205, 16411), (237, 16525), (241, 16546), (249, 16576), (258, 16621), (259, 16624), (261, 16642), (264, 16645), (269, 16666), (276, 16696), (277, 16708), (285, 16756), (292, 16789), (294, 16801), (315, 16906), (336, 17002), (339, 17014), (341, 17023), (342, 17032), (344, 17044), (350, 17068), (353, 17080), (358, 17089), (366, 17128), (406, 17254), (408, 17260), (424, 17314), (459, 17434), (469, 17479), (477, 17500), (488, 17521), (489, 17524), (504, 17542), (505, 17545), (540, 17632), (613, 17845), (626, 17890), (630, 17902), (638, 17941), (650, 18007), (655, 18028), (656, 18031), (662, 18049), (668, 18070), (688, 18118), (701, 18151), (708, 18172), (715, 18199), (729, 18253), (744, 18331), (751, 18367), (760, 18418), (769, 18442), (784, 18517), (797, 18583), (801, 18625),

Gene: Centaur_28 Start: 17112, Stop: 19619, Start Num: 86

Candidate Starts for Centaur_28:

(Start: 86 @17112 has 90 MA's), (Start: 114 @17223 has 5 MA's), (132, 17280), (194, 17466), (217, 17529), (224, 17562), (226, 17568), (269, 17748), (272, 17757), (275, 17772), (276, 17778), (279, 17799), (280, 17802), (282, 17820), (292, 17871), (293, 17880), (315, 17988), (325, 18030), (326, 18039), (328, 18048), (336, 18084), (341, 18105), (356, 18168), (358, 18171), (361, 18189), (366,

18210), (424, 18396), (430, 18411), (435, 18438), (453, 18495), (458, 18510), (459, 18516), (462, 18525), (464, 18531), (469, 18561), (477, 18582), (505, 18627), (508, 18633), (518, 18666), (528, 18693), (545, 18732), (555, 18765), (558, 18777), (585, 18837), (596, 18864), (613, 18927), (626, 18972), (630, 18984), (637, 19020), (646, 19056), (650, 19089), (688, 19152), (701, 19176), (746, 19320), (769, 19419), (788, 19506), (802, 19605),

Gene: CentreCat_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for CentreCat_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (472, 17242), (481, 17263), (545, 17410), (550, 17431), (558, 17455), (576, 17515), (577, 17521), (578, 17524), (592, 17575), (605, 17623), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800, 18466),

Gene: Cerulean_26 Start: 16197, Stop: 18797, Start Num: 74

Candidate Starts for Cerulean_26:

(Start: 74 @16197 has 124 MA's), (Start: 115 @16338 has 23 MA's), (Start: 121 @16356 has 10 MA's), (164, 16512), (180, 16563), (196, 16632), (229, 16749), (237, 16776), (252, 16839), (265, 16902), (276, 16947), (282, 16989), (299, 17073), (344, 17280), (387, 17340), (415, 17391), (432, 17436), (460, 17514), (470, 17547), (472, 17553), (545, 17721), (550, 17742), (558, 17766), (576, 17826), (577, 17832), (578, 17835), (592, 17886), (605, 17934), (624, 18000), (656, 18165), (662, 18183), (706, 18309), (756, 18561), (757, 18564), (760, 18573), (777, 18630), (778, 18633), (785, 18678), (796, 18729), (800, 18777),

Gene: Chadwick_23 Start: 15059, Stop: 17872, Start Num: 4

Candidate Starts for Chadwick_23:

(Start: 4 @15059 has 8 MA's), (24, 15248), (98, 15596), (136, 15731), (138, 15737), (159, 15830), (176, 15881), (213, 16007), (227, 16073), (233, 16094), (252, 16169), (258, 16202), (272, 16256), (277, 16289), (278, 16292), (280, 16301), (299, 16400), (308, 16433), (334, 16562), (389, 16676), (418, 16727), (445, 16793), (475, 16886), (493, 16919), (552, 17006), (586, 17039), (590, 17051), (601, 17081), (629, 17144), (635, 17186), (654, 17258), (655, 17261), (663, 17285), (668, 17300), (675, 17327), (687, 17348), (719, 17435), (731, 17465), (732, 17468), (742, 17528), (756, 17627), (760, 17639), (763, 17651), (766, 17660), (795, 17789), (796, 17807),

Gene: ChampagnePapi_26 Start: 16196, Stop: 18796, Start Num: 74

Candidate Starts for ChampagnePapi_26:

(Start: 74 @16196 has 124 MA's), (Start: 115 @16337 has 23 MA's), (Start: 121 @16355 has 10 MA's), (164, 16511), (180, 16562), (196, 16631), (229, 16748), (237, 16775), (252, 16838), (265, 16901), (276, 16946), (282, 16988), (299, 17072), (344, 17279), (387, 17339), (415, 17390), (432, 17435), (460, 17513), (470, 17546), (472, 17552), (545, 17720), (550, 17741), (558, 17765), (576, 17825), (577, 17831), (578, 17834), (592, 17885), (605, 17933), (624, 17999), (656, 18164), (662, 18182), (706, 18308), (756, 18560), (757, 18563), (760, 18572), (777, 18629), (778, 18632), (785, 18677), (796, 18728), (800, 18776),

Gene: Chanagan_23 Start: 15937, Stop: 18417, Start Num: 77

Candidate Starts for Chanagan_23:

(Start: 77 @15937 has 209 MA's), (90, 15976), (Start: 107 @16039 has 1 MA's), (Start: 115 @16069 has 23 MA's), (128, 16111), (223, 16318), (229, 16336), (252, 16426), (265, 16489), (272, 16513), (274, 16525), (282, 16576), (393, 16960), (450, 17062), (462, 17101), (470, 17128), (480, 17152), (566, 17380), (598, 17482), (605, 17503), (617, 17545), (640, 17644), (651, 17707), (717, 17926), (725, 17959), (778, 18241), (794, 18328), (798, 18367), (799, 18382),

Gene: Changeling_28 Start: 18472, Stop: 20976, Start Num: 86

Candidate Starts for Changeling_28:

(Start: 86 @18472 has 90 MA's), (Start: 114 @18583 has 5 MA's), (119, 18601), (132, 18640), (139, 18661), (147, 18685), (187, 18781), (194, 18811), (203, 18829), (237, 18949), (249, 19000), (264, 19069), (267, 19075), (269, 19090), (272, 19099), (274, 19111), (276, 19120), (315, 19330), (322, 19357), (325, 19372), (336, 19426), (341, 19447), (358, 19513), (366, 19552), (424, 19738), (430, 19753), (453, 19837), (458, 19852), (459, 19858), (462, 19867), (465, 19882), (469, 19903), (477, 19924), (504, 19966), (512, 19981), (518, 20008), (523, 20023), (543, 20065), (546, 20077), (558, 20119), (585, 20179), (596, 20206), (604, 20236), (613, 20269), (626, 20314), (630, 20326), (664, 20476), (703, 20533), (707, 20542), (711, 20551), (745, 20662), (750, 20692), (769, 20776), (796, 20905),

Gene: Chaph_25 Start: 15894, Stop: 18494, Start Num: 74

Candidate Starts for Chaph_25:

(Start: 74 @15894 has 124 MA's), (Start: 115 @16035 has 23 MA's), (Start: 121 @16053 has 10 MA's), (180, 16260), (189, 16299), (196, 16329), (229, 16446), (237, 16473), (252, 16536), (265, 16599), (276, 16644), (282, 16686), (299, 16770), (387, 17037), (415, 17088), (432, 17133), (460, 17211), (470, 17244), (472, 17250), (481, 17271), (545, 17418), (550, 17439), (558, 17463), (577, 17529), (592, 17583), (605, 17631), (624, 17697), (656, 17862), (662, 17880), (706, 18006), (756, 18258), (757, 18261), (760, 18270), (778, 18330), (796, 18426), (800, 18474),

Gene: Chargerpower_26 Start: 15837, Stop: 18245, Start Num: 108

Candidate Starts for Chargerpower_26:

(Start: 108 @15837 has 6 MA's), (Start: 114 @15855 has 5 MA's), (119, 15873), (126, 15894), (152, 15990), (162, 16032), (187, 16119), (200, 16161), (217, 16215), (237, 16299), (244, 16329), (252, 16362), (258, 16395), (269, 16440), (276, 16470), (279, 16491), (322, 16716), (327, 16731), (329, 16737), (352, 16830), (412, 16902), (439, 16977), (504, 17151), (510, 17163), (518, 17184), (528, 17211), (545, 17262), (547, 17271), (590, 17382), (617, 17469), (634, 17541), (635, 17553), (640, 17565), (644, 17589), (682, 17727), (687, 17739), (697, 17763), (718, 17817), (720, 17829), (751, 17976), (764, 18045), (789, 18135), (797, 18186), (800, 18222),

Gene: Charm_26 Start: 15553, Stop: 18648, Start Num: 7

Candidate Starts for Charm_26:

(Start: 7 @15553 has 1 MA's), (19, 15655), (Start: 31 @15742 has 33 MA's), (35, 15754), (63, 15886), (67, 15907), (73, 15928), (84, 15970), (87, 15982), (98, 16033), (113, 16096), (124, 16138), (142, 16195), (199, 16405), (203, 16411), (232, 16516), (237, 16531), (247, 16570), (248, 16573), (261, 16648), (264, 16651), (276, 16702), (279, 16723), (280, 16726), (282, 16744), (315, 16912), (322, 16939), (325, 16954), (336, 17008), (341, 17029), (356, 17092), (358, 17095), (366, 17134), (395, 17227), (403, 17254), (438, 17368), (440, 17377), (454, 17422), (462, 17449), (469, 17485), (477, 17506), (484, 17521), (504, 17548), (505, 17551), (514, 17572), (523, 17605), (547, 17665), (558, 17701), (613, 17851), (626, 17896), (638, 17947), (650, 18013), (656, 18037), (662, 18055), (668, 18076), (673, 18094), (688, 18124), (701, 18157), (708, 18178), (716, 18208), (729, 18259), (744, 18337), (751, 18373), (760, 18424), (769, 18448), (784, 18523), (797, 18589), (801, 18631),

Gene: Chartreuse_29 Start: 16682, Stop: 18886, Start Num: 76

Candidate Starts for Chartreuse_29:

(42, 16523), (64, 16637), (Start: 76 @16682 has 49 MA's), (Start: 107 @16793 has 1 MA's), (110, 16799), (142, 16907), (165, 16949), (184, 17015), (214, 17108), (221, 17135), (252, 17258), (258, 17291), (278, 17381), (290, 17450), (341, 17693), (476, 17831), (543, 17951), (610, 18104), (638, 18167), (648, 18209), (678, 18308), (683, 18329), (690, 18350), (700, 18371), (714, 18422), (717, 18434), (722, 18449), (738, 18530), (750, 18608),

Gene: Che12_28 Start: 15530, Stop: 18055, Start Num: 85

Candidate Starts for Che12_28:

(Start: 85 @15530 has 3 MA's), (88, 15548), (Start: 114 @15653 has 5 MA's), (134, 15719), (135, 15722), (137, 15725), (217, 15974), (224, 16007), (225, 16010), (237, 16049), (249, 16100), (258, 16145), (261, 16166), (272, 16199), (275, 16214), (276, 16220), (279, 16241), (315, 16430), (322, 16457), (325, 16472), (336, 16526), (341, 16547), (358, 16613), (393, 16739), (424, 16838), (430, 16853), (435, 16880), (438, 16886), (459, 16958), (465, 16982), (466, 16985), (469, 17003), (484, 17039), (504, 17066), (505, 17069), (522, 17120), (523, 17123), (555, 17207), (585, 17279), (596, 17306), (604, 17336), (613, 17369), (618, 17384), (664, 17576), (707, 17639), (761, 17837), (769, 17858), (784, 17933), (795, 17969),

Gene: ChipMunk_28 Start: 17023, Stop: 19566, Start Num: 86

Candidate Starts for ChipMunk_28:

(Start: 86 @17023 has 90 MA's), (134, 17200), (135, 17203), (137, 17206), (187, 17371), (190, 17380), (194, 17401), (197, 17410), (207, 17431), (217, 17464), (224, 17497), (237, 17539), (249, 17590), (258, 17635), (259, 17638), (261, 17656), (272, 17689), (274, 17701), (276, 17710), (279, 17731), (280, 17734), (315, 17920), (325, 17962), (326, 17971), (328, 17980), (341, 18037), (358, 18103), (366, 18142), (395, 18235), (407, 18271), (424, 18328), (444, 18394), (453, 18427), (458, 18442), (459, 18448), (462, 18457), (465, 18472), (469, 18493), (477, 18514), (488, 18535), (489, 18538), (504, 18556), (505, 18559), (518, 18598), (522, 18610), (546, 18667), (551, 18685), (558, 18709), (585, 18769), (596, 18796), (613, 18859), (655, 19042), (703, 19123), (707, 19132), (711, 19141), (745, 19252), (750, 19282), (769, 19366),

Gene: Chiqui_24 Start: 15764, Stop: 18802, Start Num: 16

Candidate Starts for Chiqui_24:

(Start: 16 @15764 has 33 MA's), (46, 15938), (54, 15983), (106, 16193), (142, 16316), (197, 16523), (217, 16577), (237, 16652), (245, 16685), (249, 16703), (252, 16715), (268, 16781), (272, 16802), (274, 16814), (276, 16823), (282, 16865), (292, 16916), (315, 17033), (316, 17036), (325, 17075), (336, 17129), (341, 17150), (358, 17216), (363, 17243), (395, 17348), (411, 17396), (424, 17441), (430, 17456), (438, 17489), (452, 17531), (453, 17540), (462, 17570), (465, 17585), (469, 17606), (484, 17642), (504, 17669), (505, 17672), (514, 17693), (518, 17711), (538, 17756), (551, 17798), (553, 17801), (585, 17882), (600, 17921), (613, 17972), (614, 17975), (617, 17984), (624, 18008), (640, 18077), (643, 18098), (656, 18167), (662, 18185), (678, 18233), (681, 18245), (695, 18275), (701, 18287), (704, 18299), (717, 18347), (751, 18518), (762, 18578), (770, 18599), (792, 18695), (796, 18734), (800, 18782),

Gene: ChristmasHams_25 Start: 16397, Stop: 18877, Start Num: 77

Candidate Starts for ChristmasHams_25:

(Start: 77 @16397 has 209 MA's), (90, 16436), (Start: 107 @16499 has 1 MA's), (Start: 115 @16529 has 23 MA's), (128, 16571), (223, 16778), (229, 16796), (252, 16886), (265, 16949), (272, 16973), (274, 16985), (282, 17036), (393, 17420), (450, 17522), (462, 17561), (467, 17576), (470, 17588), (480, 17612), (566, 17840), (598, 17942), (605, 17963), (608, 17975), (617, 18005), (640, 18104), (651, 18167), (717, 18386), (725, 18419), (778, 18701), (794, 18788), (798, 18827), (800, 18857),

Gene: Chupacabra_25 Start: 15864, Stop: 18416, Start Num: 121

Candidate Starts for Chupacabra_25:

(26, 15456), (Start: 74 @15687 has 124 MA's), (Start: 121 @15864 has 10 MA's), (128, 15885), (136, 15909), (146, 15939), (147, 15942), (149, 15951), (157, 15990), (161, 16005), (168, 16029), (200, 16137), (204, 16149), (207, 16158), (219, 16212), (233, 16266), (236, 16275), (240, 16299), (247, 16320), (266, 16425), (274, 16467), (330, 16779), (423, 16989), (459, 17109), (470, 17154), (471, 17157), (472, 17160), (481, 17181), (483, 17184), (505, 17229), (545, 17337), (550, 17358), (569, 17418), (578, 17451), (596, 17514), (617, 17592), (624, 17616), (640, 17691), (650, 17757), (656, 17781), (662, 17799), (672, 17835), (681, 17865), (697, 17907), (701, 17919), (706, 17931), (718, 17967), (720, 17979), (760, 18192), (763, 18204), (771, 18228), (778, 18252), (796, 18348), (800,

18396),

Gene: Ciao_24 Start: 16311, Stop: 18782, Start Num: 77

Candidate Starts for Ciao_24:

(Start: 77 @16311 has 209 MA's), (90, 16350), (Start: 107 @16413 has 1 MA's), (Start: 115 @16443 has 23 MA's), (Start: 121 @16464 has 10 MA's), (128, 16485), (133, 16497), (176, 16515), (201, 16605), (252, 16803), (258, 16836), (274, 16902), (321, 17157), (325, 17178), (331, 17205), (402, 17364), (428, 17400), (467, 17493), (473, 17514), (497, 17571), (543, 17691), (554, 17727), (566, 17757), (578, 17793), (598, 17859), (605, 17880), (640, 18021), (675, 18162), (683, 18183), (723, 18318), (752, 18495), (778, 18606), (790, 18672), (794, 18693), (798, 18732), (799, 18747),

Gene: Cici_25 Start: 15876, Stop: 18476, Start Num: 74

Candidate Starts for Cici_25:

(Start: 74 @15876 has 124 MA's), (171, 16218), (184, 16266), (202, 16323), (229, 16428), (233, 16443), (237, 16455), (252, 16518), (276, 16626), (279, 16647), (282, 16668), (387, 17019), (415, 17070), (432, 17115), (470, 17226), (472, 17232), (545, 17400), (559, 17448), (576, 17505), (592, 17565), (605, 17613), (614, 17646), (624, 17679), (628, 17697), (656, 17844), (662, 17862), (706, 17988), (733, 18078), (748, 18177), (757, 18243), (760, 18252), (778, 18312), (779, 18321), (785, 18357), (791, 18375), (796, 18408), (800, 18456),

Gene: Cindaradix_24 Start: 15793, Stop: 18210, Start Num: 129

Candidate Starts for Cindaradix_24:

(Start: 74 @15610 has 124 MA's), (Start: 129 @15793 has 1 MA's), (171, 15952), (181, 15979), (184, 16000), (217, 16105), (229, 16162), (252, 16252), (276, 16360), (290, 16444), (396, 16780), (415, 16804), (432, 16849), (521, 17062), (531, 17098), (545, 17134), (558, 17179), (592, 17299), (624, 17413), (656, 17578), (662, 17596), (706, 17722), (748, 17911), (757, 17977), (760, 17986), (778, 18046), (779, 18055), (785, 18091), (791, 18109), (796, 18142), (800, 18190),

Gene: Cintron_25 Start: 16074, Stop: 18533, Start Num: 115

Candidate Starts for Cintron_25:

(Start: 74 @15933 has 124 MA's), (Start: 115 @16074 has 23 MA's), (164, 16248), (180, 16299), (189, 16338), (196, 16368), (229, 16485), (237, 16512), (252, 16575), (265, 16638), (276, 16683), (282, 16725), (387, 17076), (415, 17127), (432, 17172), (472, 17289), (545, 17457), (550, 17478), (558, 17502), (576, 17562), (577, 17568), (578, 17571), (592, 17622), (605, 17670), (624, 17736), (656, 17901), (662, 17919), (706, 18045), (756, 18297), (757, 18300), (760, 18309), (777, 18366), (778, 18369), (785, 18414), (796, 18465), (800, 18513),

Gene: Citius_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Citius_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Clammy_25 Start: 15495, Stop: 18530, Start Num: 16

Candidate Starts for Clammy_25:

(Start: 16 @15495 has 33 MA's), (46, 15669), (49, 15681), (54, 15714), (106, 15924), (141, 16044), (142, 16047), (197, 16251), (207, 16272), (216, 16302), (217, 16305), (233, 16368), (237, 16380), (245, 16413), (249, 16431), (264, 16500), (267, 16506), (269, 16521), (272, 16530), (274, 16542), (276, 16551), (292, 16644), (315, 16761), (316, 16764), (322, 16788), (323, 16791), (325, 16803), (336, 16857), (341, 16878), (344, 16899), (358, 16944), (363, 16971), (366, 16983), (411, 17124),

(424, 17169), (430, 17184), (452, 17259), (453, 17268), (462, 17298), (465, 17313), (466, 17316), (469, 17334), (477, 17355), (479, 17358), (504, 17397), (505, 17400), (538, 17484), (558, 17550), (569, 17571), (585, 17610), (600, 17649), (605, 17670), (613, 17700), (614, 17703), (617, 17712), (624, 17736), (640, 17805), (643, 17826), (656, 17895), (662, 17913), (678, 17961), (681, 17973), (701, 18015), (704, 18027), (717, 18075), (751, 18246), (754, 18276), (762, 18306), (770, 18327), (796, 18462), (800, 18510),

Gene: Clarenza_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Clarenza_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (577, 17517), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: CloudWang3_29 Start: 16717, Stop: 18933, Start Num: 76

Candidate Starts for CloudWang3_29:

(64, 16672), (Start: 76 @16717 has 49 MA's), (Start: 107 @16828 has 1 MA's), (165, 16984), (210, 17131), (214, 17143), (251, 17290), (252, 17293), (258, 17326), (278, 17416), (290, 17485), (308, 17560), (341, 17728), (543, 17986), (559, 18031), (610, 18139), (638, 18202), (648, 18244), (678, 18343), (683, 18364), (700, 18406), (714, 18457), (722, 18484), (738, 18565), (750, 18655),

Gene: ClownCar_28 Start: 16049, Stop: 19075, Start Num: 17

Candidate Starts for ClownCar_28:

(11, 15995), (Start: 17 @16049 has 84 MA's), (36, 16163), (48, 16229), (49, 16232), (51, 16241), (60, 16277), (69, 16328), (93, 16400), (106, 16472), (141, 16592), (142, 16595), (158, 16664), (170, 16709), (197, 16802), (203, 16811), (217, 16856), (226, 16895), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (312, 17282), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (346, 17459), (358, 17495), (393, 17621), (411, 17675), (424, 17720), (438, 17768), (452, 17810), (453, 17819), (462, 17849), (484, 17921), (488, 17927), (504, 17948), (505, 17951), (512, 17963), (553, 18080), (555, 18089), (585, 18161), (587, 18164), (600, 18200), (613, 18251), (614, 18254), (617, 18263), (656, 18446), (678, 18512), (681, 18524), (701, 18566), (718, 18629), (734, 18686), (744, 18755), (751, 18791), (770, 18872), (796, 19007), (797, 19019),

Gene: Cocoaberry_25 Start: 15889, Stop: 18489, Start Num: 74

Candidate Starts for Cocoaberry_25:

(Start: 74 @15889 has 124 MA's), (Start: 115 @16030 has 23 MA's), (Start: 121 @16048 has 10 MA's), (180, 16255), (189, 16294), (196, 16324), (229, 16441), (237, 16468), (252, 16531), (265, 16594), (276, 16639), (282, 16681), (299, 16765), (387, 17032), (415, 17083), (432, 17128), (460, 17206), (470, 17239), (472, 17245), (481, 17266), (545, 17413), (550, 17434), (558, 17458), (577, 17524), (592, 17578), (605, 17626), (624, 17692), (656, 17857), (662, 17875), (706, 18001), (756, 18253), (757, 18256), (760, 18265), (778, 18325), (796, 18421), (800, 18469),

Gene: CogOmlette_24 Start: 15668, Stop: 18586, Start Num: 31

Candidate Starts for CogOmlette_24:

(Start: 31 @15668 has 33 MA's), (35, 15680), (67, 15839), (81, 15881), (84, 15902), (113, 16028), (124, 16070), (141, 16124), (142, 16127), (176, 16253), (194, 16328), (197, 16337), (199, 16340), (205, 16352), (247, 16505), (249, 16517), (252, 16529), (253, 16538), (258, 16562), (261, 16583), (264, 16586), (269, 16607), (274, 16628), (276, 16637), (277, 16649), (285, 16697), (294, 16742), (315, 16847), (329, 16910), (335, 16940), (336, 16943), (341, 16964), (342, 16973), (344, 16985),

(350, 17009), (358, 17030), (366, 17069), (424, 17255), (429, 17267), (437, 17300), (459, 17375), (462, 17384), (469, 17420), (477, 17441), (488, 17462), (489, 17465), (504, 17483), (505, 17486), (516, 17513), (523, 17540), (547, 17600), (579, 17678), (613, 17786), (626, 17831), (638, 17882), (653, 17963), (655, 17969), (657, 17978), (673, 18029), (701, 18092), (708, 18113), (717, 18152), (729, 18194), (744, 18272), (749, 18299), (760, 18359), (769, 18383), (784, 18458), (797, 18524), (801, 18566),

Gene: Colbster_27 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for Colbster_27:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Colin_30 Start: 18311, Stop: 20851, Start Num: 86

Candidate Starts for Colin_30:

(Start: 86 @18311 has 90 MA's), (135, 18491), (150, 18542), (190, 18662), (194, 18683), (197, 18692), (205, 18707), (207, 18713), (217, 18746), (224, 18779), (226, 18785), (237, 18821), (269, 18965), (272, 18974), (275, 18989), (276, 18995), (279, 19016), (282, 19037), (293, 19097), (315, 19205), (325, 19247), (326, 19256), (328, 19265), (336, 19301), (339, 19313), (341, 19322), (358, 19388), (366, 19427), (408, 19559), (424, 19613), (438, 19661), (459, 19733), (464, 19748), (469, 19778), (489, 19823), (505, 19844), (518, 19883), (528, 19910), (558, 19994), (585, 20054), (596, 20081), (613, 20144), (626, 20189), (637, 20237), (703, 20408), (707, 20417), (711, 20426), (745, 20537), (750, 20567), (768, 20648), (769, 20651),

Gene: Commander_25 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for Commander_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: ConceptII_25 Start: 16819, Stop: 19299, Start Num: 77

Candidate Starts for ConceptII_25:

(Start: 77 @16819 has 209 MA's), (90, 16858), (Start: 107 @16921 has 1 MA's), (110, 16927), (Start: 115 @16951 has 23 MA's), (128, 16993), (223, 17200), (229, 17218), (252, 17308), (265, 17371), (272, 17395), (274, 17407), (282, 17458), (393, 17842), (450, 17944), (462, 17983), (470, 18010), (480, 18034), (529, 18163), (566, 18262), (598, 18364), (605, 18385), (640, 18526), (651, 18589), (717, 18808), (725, 18841), (752, 19012), (778, 19123), (790, 19189), (794, 19210), (798, 19249),

Gene: Connomayer_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Connomayer_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265,

16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (527, 17355), (545, 17409), (558, 17454), (576, 17514), (579, 17532), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Conquerage_27 Start: 17620, Stop: 20529, Start Num: 31

Candidate Starts for Conquerage_27:

(Start: 31 @17620 has 33 MA's), (35, 17632), (47, 17692), (98, 17914), (113, 17977), (124, 18019), (141, 18073), (142, 18076), (151, 18115), (199, 18286), (203, 18292), (208, 18307), (232, 18397), (233, 18400), (237, 18412), (248, 18454), (258, 18508), (261, 18529), (276, 18583), (279, 18604), (280, 18607), (282, 18625), (294, 18688), (311, 18754), (315, 18793), (322, 18820), (325, 18835), (332, 18865), (336, 18889), (339, 18901), (341, 18910), (358, 18976), (366, 19015), (386, 19081), (395, 19108), (403, 19135), (437, 19246), (459, 19321), (465, 19345), (469, 19366), (477, 19387), (488, 19408), (489, 19411), (504, 19429), (505, 19432), (516, 19459), (540, 19519), (548, 19549), (558, 19582), (573, 19612), (579, 19624), (613, 19732), (618, 19747), (626, 19777), (638, 19828), (655, 19915), (657, 19924), (673, 19975), (701, 20038), (708, 20059), (717, 20095), (728, 20131), (729, 20137), (744, 20215), (749, 20242), (780, 20371), (784, 20401), (792, 20428), (797, 20467), (801, 20509),

Gene: Cookiedough_29 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for Cookiedough_29:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717, 18480), (722, 18495), (738, 18576), (750, 18654),

Gene: Corvo_24 Start: 16803, Stop: 19274, Start Num: 77

Candidate Starts for Corvo_24:

(Start: 77 @16803 has 209 MA's), (90, 16842), (Start: 107 @16905 has 1 MA's), (Start: 115 @16935 has 23 MA's), (Start: 121 @16956 has 10 MA's), (128, 16977), (133, 16989), (176, 17007), (201, 17097), (252, 17295), (258, 17328), (274, 17394), (321, 17649), (325, 17670), (331, 17697), (402, 17856), (428, 17892), (467, 17985), (473, 18006), (497, 18063), (543, 18183), (554, 18219), (566, 18249), (578, 18285), (598, 18351), (605, 18372), (640, 18513), (675, 18654), (683, 18675), (723, 18810), (752, 18987), (778, 19098), (794, 19185), (798, 19224),

Gene: Crispicous1_23 Start: 15808, Stop: 18288, Start Num: 77

Candidate Starts for Crispicous1_23:

(Start: 77 @15808 has 209 MA's), (90, 15847), (Start: 107 @15910 has 1 MA's), (Start: 115 @15940 has 23 MA's), (128, 15982), (223, 16189), (229, 16207), (252, 16297), (265, 16360), (272, 16384), (274, 16396), (282, 16447), (393, 16831), (450, 16933), (462, 16972), (470, 16999), (480, 17023), (529, 17152), (566, 17251), (598, 17353), (605, 17374), (617, 17416), (640, 17515), (651, 17578), (717, 17797), (725, 17830), (778, 18112), (794, 18199), (798, 18238), (799, 18253),

Gene: Croquant_28 Start: 15977, Stop: 19003, Start Num: 17

Candidate Starts for Croquant_28:

(11, 15923), (Start: 17 @15977 has 84 MA's), (36, 16091), (48, 16157), (49, 16160), (51, 16169), (60, 16205), (69, 16256), (93, 16328), (106, 16400), (141, 16520), (142, 16523), (158, 16592), (170, 16637), (197, 16730), (203, 16739), (209, 16757), (217, 16784), (233, 16847), (237, 16859), (245, 16892), (249, 16910), (261, 16976), (264, 16979), (267, 16985), (269, 17000), (272, 17009), (274, 17021), (276, 17030), (288, 17108), (292, 17123), (315, 17240), (316, 17243), (323, 17270), (325, 17282), (336, 17336), (341, 17357), (358, 17423), (366, 17462), (395, 17555), (411, 17603), (424, 17648), (438, 17696), (452, 17738), (453, 17747), (462, 17777), (463, 17780), (465, 17792), (484,

17849), (488, 17855), (504, 17876), (505, 17879), (555, 18017), (558, 18029), (585, 18089), (604, 18146), (640, 18284), (643, 18305), (647, 18329), (656, 18374), (662, 18392), (678, 18440), (681, 18452), (701, 18494), (718, 18557), (734, 18614), (744, 18683), (751, 18719), (770, 18800), (796, 18935),

Gene: Crucio_26 Start: 16547, Stop: 19084, Start Num: 86

Candidate Starts for Crucio_26:

(Start: 86 @16547 has 90 MA's), (134, 16724), (135, 16727), (137, 16730), (147, 16760), (190, 16898), (194, 16919), (197, 16928), (207, 16949), (217, 16982), (232, 17042), (237, 17057), (249, 17108), (259, 17156), (261, 17174), (272, 17207), (274, 17219), (275, 17222), (276, 17228), (279, 17249), (280, 17252), (296, 17339), (315, 17438), (325, 17480), (326, 17489), (328, 17498), (339, 17546), (341, 17555), (358, 17621), (366, 17660), (424, 17846), (430, 17861), (438, 17894), (453, 17945), (459, 17966), (464, 17981), (465, 17990), (468, 18005), (504, 18074), (558, 18227), (569, 18248), (613, 18377), (626, 18422), (630, 18434), (637, 18470), (707, 18650), (711, 18659), (745, 18770), (750, 18800), (769, 18884),

Gene: Cueyllyss_24 Start: 16510, Stop: 18990, Start Num: 77

Candidate Starts for Cueyllyss_24:

(Start: 77 @16510 has 209 MA's), (90, 16549), (Start: 107 @16612 has 1 MA's), (110, 16618), (Start: 115 @16642 has 23 MA's), (128, 16684), (223, 16891), (229, 16909), (252, 16999), (265, 17062), (272, 17086), (274, 17098), (282, 17149), (393, 17533), (450, 17635), (462, 17674), (470, 17701), (480, 17725), (529, 17854), (566, 17953), (598, 18055), (605, 18076), (608, 18088), (617, 18118), (640, 18217), (651, 18280), (717, 18499), (725, 18532), (778, 18814), (790, 18880), (794, 18901), (798, 18940), (799, 18955),

Gene: Cullens_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for Cullens_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: D29_26 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for D29_26:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (216, 16934), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (303, 17318), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (523, 18086), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: D32_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for D32_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (216, 16934), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204),

(280, 17207), (303, 17318), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (523, 18086), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: DBQu4n_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for DBQu4n_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (301, 17312), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: DD5_25 Start: 17058, Stop: 19538, Start Num: 77

Candidate Starts for DD5_25:

(Start: 77 @17058 has 209 MA's), (90, 17097), (Start: 107 @17160 has 1 MA's), (Start: 115 @17190 has 23 MA's), (128, 17232), (223, 17439), (229, 17457), (252, 17547), (265, 17610), (272, 17634), (274, 17646), (282, 17697), (393, 18081), (450, 18183), (462, 18222), (470, 18249), (480, 18273), (529, 18402), (566, 18501), (598, 18603), (605, 18624), (617, 18666), (640, 18765), (651, 18828), (717, 19047), (725, 19080), (752, 19251), (778, 19362), (794, 19449), (798, 19488), (799, 19503),

Gene: DaHudson_27 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for DaHudson_27:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: DaVinci_29 Start: 16736, Stop: 18940, Start Num: 76

Candidate Starts for DaVinci_29:

(42, 16577), (64, 16691), (Start: 76 @16736 has 49 MA's), (Start: 107 @16847 has 1 MA's), (110, 16853), (142, 16961), (165, 17003), (184, 17069), (214, 17162), (221, 17189), (252, 17312), (258, 17345), (278, 17435), (290, 17504), (341, 17747), (476, 17885), (543, 18005), (610, 18158), (638, 18221), (648, 18263), (678, 18362), (683, 18383), (690, 18404), (700, 18425), (714, 18476), (717, 18488), (722, 18503), (738, 18584), (750, 18662),

Gene: Daishi_26 Start: 14904, Stop: 17930, Start Num: 17

Candidate Starts for Daishi_26:

(11, 14850), (Start: 17 @14904 has 84 MA's), (36, 15018), (48, 15084), (49, 15087), (51, 15096), (60, 15132), (69, 15183), (93, 15255), (106, 15327), (141, 15447), (142, 15450), (158, 15519), (170, 15564), (197, 15657), (203, 15666), (209, 15684), (217, 15711), (233, 15774), (237, 15786), (245, 15819), (249, 15837), (261, 15903), (264, 15906), (267, 15912), (269, 15927), (272, 15936), (274, 15948), (276, 15957), (288, 16035), (292, 16050), (315, 16167), (316, 16170), (323, 16197), (325, 16209), (336, 16263), (341, 16284), (358, 16350), (366, 16389), (395, 16482), (411, 16530), (424,

16575), (438, 16623), (452, 16665), (453, 16674), (462, 16704), (463, 16707), (465, 16719), (484, 16776), (488, 16782), (504, 16803), (505, 16806), (555, 16944), (558, 16956), (585, 17016), (604, 17073), (640, 17211), (643, 17232), (647, 17256), (656, 17301), (662, 17319), (678, 17367), (681, 17379), (701, 17421), (718, 17484), (734, 17541), (744, 17610), (751, 17646), (770, 17727), (796, 17862),

Gene: Dalmatian_26 Start: 16688, Stop: 19231, Start Num: 86

Candidate Starts for Dalmatian_26:

(Start: 86 @16688 has 90 MA's), (134, 16865), (135, 16868), (137, 16871), (188, 17039), (190, 17045), (194, 17066), (197, 17075), (207, 17096), (217, 17129), (224, 17162), (249, 17255), (259, 17303), (261, 17321), (269, 17345), (272, 17354), (274, 17366), (275, 17369), (276, 17375), (279, 17396), (280, 17399), (296, 17486), (315, 17585), (325, 17627), (328, 17645), (333, 17666), (339, 17693), (341, 17702), (358, 17768), (366, 17807), (424, 17993), (430, 18008), (438, 18041), (453, 18092), (459, 18113), (464, 18128), (465, 18137), (468, 18152), (504, 18221), (558, 18374), (569, 18395), (613, 18524), (618, 18539), (626, 18569), (630, 18581), (637, 18617), (707, 18797), (711, 18806), (745, 18917), (750, 18947), (769, 19031),

Gene: Darrell_28 Start: 17782, Stop: 20697, Start Num: 31

Candidate Starts for Darrell_28:

(Start: 31 @17782 has 33 MA's), (35, 17794), (47, 17854), (84, 18013), (98, 18076), (113, 18139), (124, 18181), (142, 18238), (199, 18451), (203, 18457), (208, 18472), (232, 18562), (233, 18565), (237, 18577), (247, 18616), (248, 18619), (258, 18673), (261, 18694), (276, 18748), (279, 18769), (280, 18772), (282, 18790), (294, 18853), (311, 18919), (315, 18958), (322, 18985), (325, 19000), (332, 19030), (336, 19054), (341, 19075), (358, 19141), (366, 19180), (395, 19273), (408, 19312), (459, 19486), (462, 19495), (469, 19531), (477, 19552), (484, 19567), (488, 19573), (504, 19594), (505, 19597), (523, 19651), (546, 19705), (547, 19711), (573, 19777), (579, 19789), (605, 19867), (613, 19897), (626, 19942), (638, 19993), (655, 20080), (657, 20089), (673, 20140), (688, 20170), (701, 20203), (717, 20263), (729, 20305), (744, 20383), (749, 20410), (760, 20470), (784, 20569), (795, 20605), (797, 20635), (801, 20677),

Gene: DARTHPhader_27 Start: 17575, Stop: 20688, Start Num: 9

Candidate Starts for DARTHPhader_27:

(1, 17329), (6, 17545), (Start: 9 @17575 has 5 MA's), (Start: 31 @17752 has 33 MA's), (35, 17764), (43, 17800), (98, 18034), (113, 18097), (141, 18193), (142, 18196), (151, 18235), (194, 18397), (197, 18406), (199, 18409), (205, 18421), (217, 18460), (224, 18493), (241, 18556), (249, 18586), (258, 18631), (261, 18652), (264, 18655), (269, 18676), (276, 18706), (277, 18718), (284, 18757), (285, 18766), (289, 18787), (294, 18811), (327, 18973), (337, 19015), (341, 19033), (342, 19042), (344, 19054), (356, 19096), (358, 19099), (366, 19138), (398, 19240), (403, 19258), (424, 19324), (457, 19435), (459, 19444), (469, 19489), (474, 19504), (489, 19534), (502, 19546), (504, 19552), (508, 19561), (512, 19567), (525, 19615), (528, 19621), (532, 19627), (555, 19693), (585, 19765), (587, 19768), (605, 19825), (613, 19855), (617, 19867), (624, 19891), (626, 19900), (656, 20056), (665, 20092), (671, 20101), (701, 20176), (721, 20257), (723, 20266), (751, 20413), (759, 20461), (760, 20464), (769, 20488), (796, 20617), (797, 20629),

Gene: Datway_25 Start: 15891, Stop: 18491, Start Num: 74

Candidate Starts for Datway_25:

(Start: 74 @15891 has 124 MA's), (184, 16281), (221, 16410), (229, 16443), (237, 16470), (252, 16533), (276, 16641), (303, 16776), (344, 16974), (396, 17061), (415, 17085), (432, 17130), (470, 17241), (472, 17247), (545, 17415), (559, 17463), (576, 17520), (592, 17580), (605, 17628), (614, 17661), (624, 17694), (628, 17712), (656, 17859), (662, 17877), (706, 18003), (733, 18093), (748, 18192), (757, 18258), (760, 18267), (778, 18327), (779, 18336), (785, 18372), (791, 18390), (796, 18423), (800, 18471),

Gene: Deano_25 Start: 15893, Stop: 18493, Start Num: 74

Candidate Starts for Deano_25:

(Start: 74 @15893 has 124 MA's), (Start: 115 @16034 has 23 MA's), (Start: 121 @16052 has 10 MA's), (180, 16259), (189, 16298), (196, 16328), (229, 16445), (237, 16472), (252, 16535), (265, 16598), (276, 16643), (282, 16685), (299, 16769), (387, 17036), (415, 17087), (432, 17132), (460, 17210), (470, 17243), (472, 17249), (545, 17417), (550, 17438), (558, 17462), (577, 17528), (592, 17582), (605, 17630), (624, 17696), (656, 17861), (662, 17879), (706, 18005), (756, 18257), (757, 18260), (760, 18269), (778, 18329), (796, 18425), (800, 18473),

Gene: DeerParkTS_27 Start: 16687, Stop: 19218, Start Num: 86

Candidate Starts for DeerParkTS_27:

(Start: 86 @16687 has 90 MA's), (122, 16828), (135, 16867), (150, 16912), (188, 17026), (190, 17032), (194, 17053), (197, 17062), (207, 17083), (217, 17116), (220, 17128), (224, 17149), (237, 17191), (248, 17233), (249, 17242), (261, 17308), (272, 17341), (276, 17362), (279, 17383), (280, 17386), (315, 17572), (325, 17614), (326, 17623), (328, 17632), (336, 17668), (341, 17689), (356, 17752), (358, 17755), (363, 17782), (366, 17794), (384, 17857), (453, 18079), (457, 18091), (458, 18094), (459, 18100), (464, 18115), (469, 18145), (470, 18148), (477, 18166), (479, 18169), (482, 18178), (484, 18181), (504, 18208), (512, 18223), (514, 18232), (518, 18250), (522, 18262), (528, 18277), (546, 18319), (558, 18361), (585, 18421), (596, 18448), (613, 18511), (626, 18556), (630, 18568), (661, 18706), (703, 18775), (707, 18784), (711, 18793), (745, 18904), (750, 18934), (758, 18988), (769, 19018),

Gene: DekHockey33_28 Start: 16045, Stop: 18231, Start Num: 120

Candidate Starts for DekHockey33_28:

(Start: 68 @15868 has 1 MA's), (Start: 72 @15877 has 4 MA's), (Start: 120 @16045 has 17 MA's), (208, 16285), (210, 16291), (228, 16360), (243, 16417), (274, 16552), (276, 16561), (282, 16603), (291, 16651), (292, 16654), (314, 16765), (317, 16783), (341, 16888), (351, 16936), (425, 17041), (447, 17101), (468, 17155), (487, 17191), (498, 17215), (502, 17224), (526, 17287), (537, 17308), (542, 17323), (552, 17347), (556, 17359), (584, 17413), (592, 17434), (605, 17464), (659, 17635), (667, 17656), (700, 17740), (770, 18043), (796, 18166), (797, 18178),

Gene: Deloris_27 Start: 17042, Stop: 19579, Start Num: 86

Candidate Starts for Deloris_27:

(Start: 86 @17042 has 90 MA's), (135, 17222), (137, 17225), (150, 17273), (190, 17393), (194, 17414), (197, 17423), (207, 17444), (217, 17477), (224, 17510), (237, 17552), (249, 17603), (253, 17624), (258, 17648), (259, 17651), (261, 17669), (272, 17702), (274, 17714), (276, 17723), (279, 17744), (280, 17747), (296, 17834), (315, 17933), (325, 17975), (326, 17984), (328, 17993), (341, 18050), (358, 18116), (366, 18155), (459, 18461), (462, 18470), (464, 18476), (465, 18485), (469, 18506), (479, 18530), (489, 18551), (505, 18572), (508, 18578), (518, 18611), (522, 18623), (558, 18722), (585, 18782), (596, 18809), (613, 18872), (707, 19145), (711, 19154), (745, 19265), (750, 19295), (769, 19379),

Gene: DelvinSonDorr_28 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for DelvinSonDorr_28:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717, 18480), (722, 18495), (738, 18576), (750, 18654),

Gene: Dexes_25 Start: 17027, Stop: 19498, Start Num: 77

Candidate Starts for Dexes_25:

(Start: 77 @17027 has 209 MA's), (90, 17066), (Start: 107 @17129 has 1 MA's), (Start: 115 @17159 has 23 MA's), (Start: 121 @17180 has 10 MA's), (128, 17201), (133, 17213), (176, 17231), (187, 17276), (201, 17321), (252, 17519), (258, 17552), (274, 17618), (321, 17873), (325, 17894), (331, 17921), (402, 18080), (428, 18116), (467, 18209), (473, 18230), (480, 18245), (491, 18266), (493, 18269), (518, 18338), (529, 18374), (543, 18407), (554, 18443), (566, 18473), (578, 18509), (598, 18575), (605, 18596), (640, 18737), (675, 18878), (683, 18899), (723, 19034), (752, 19211), (778, 19322), (794, 19409), (798, 19448), (800, 19478),

Gene: Dhanush_25 Start: 15888, Stop: 18488, Start Num: 74

Candidate Starts for Dhanush_25:

(Start: 74 @15888 has 124 MA's), (Start: 115 @16029 has 23 MA's), (Start: 121 @16047 has 10 MA's), (180, 16254), (189, 16293), (196, 16323), (229, 16440), (237, 16467), (252, 16530), (265, 16593), (276, 16638), (282, 16680), (299, 16764), (387, 17031), (415, 17082), (432, 17127), (460, 17205), (472, 17244), (521, 17340), (523, 17349), (545, 17412), (550, 17433), (577, 17523), (592, 17577), (605, 17625), (624, 17691), (656, 17856), (662, 17874), (706, 18000), (756, 18252), (757, 18255), (760, 18264), (778, 18324), (796, 18420), (800, 18468),

Gene: Dieselweasel_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for Dieselweasel_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (288, 17111), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (366, 17465), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (558, 18032), (585, 18092), (604, 18149), (640, 18287), (643, 18308), (647, 18332), (656, 18377), (662, 18395), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938),

Gene: Dignity_28 Start: 17064, Stop: 19607, Start Num: 86

Candidate Starts for Dignity_28:

(Start: 86 @17064 has 90 MA's), (135, 17244), (137, 17247), (188, 17415), (190, 17421), (194, 17442), (197, 17451), (203, 17460), (207, 17472), (220, 17517), (224, 17538), (237, 17580), (249, 17631), (258, 17676), (259, 17679), (261, 17697), (272, 17730), (274, 17742), (276, 17751), (279, 17772), (280, 17775), (296, 17862), (315, 17961), (325, 18003), (326, 18012), (328, 18021), (341, 18078), (358, 18144), (366, 18183), (393, 18270), (395, 18276), (407, 18312), (424, 18369), (444, 18435), (453, 18468), (458, 18483), (459, 18489), (462, 18498), (465, 18513), (469, 18534), (477, 18555), (488, 18576), (489, 18579), (504, 18597), (505, 18600), (522, 18651), (546, 18708), (551, 18726), (558, 18750), (585, 18810), (596, 18837), (613, 18900), (626, 18945), (655, 19083), (707, 19173), (711, 19182), (728, 19206), (743, 19284), (745, 19293), (750, 19323), (769, 19407),

Gene: DirtDevil_25 Start: 17195, Stop: 19666, Start Num: 77

Candidate Starts for DirtDevil_25:

(Start: 77 @17195 has 209 MA's), (90, 17234), (Start: 107 @17297 has 1 MA's), (Start: 115 @17327 has 23 MA's), (Start: 121 @17348 has 10 MA's), (128, 17369), (133, 17381), (176, 17399), (182, 17423), (201, 17489), (252, 17687), (258, 17720), (274, 17786), (321, 18041), (325, 18062), (331, 18089), (354, 18185), (388, 18215), (402, 18248), (428, 18284), (467, 18377), (473, 18398), (497, 18455), (543, 18575), (554, 18611), (566, 18641), (578, 18677), (598, 18743), (605, 18764), (617, 18806), (640, 18905), (675, 19046), (683, 19067), (723, 19202), (778, 19490), (794, 19577), (798, 19616),

Gene: DirtyDunning_25 Start: 15881, Stop: 18481, Start Num: 74

Candidate Starts for DirtyDunning_25:

(Start: 74 @15881 has 124 MA's), (Start: 115 @16022 has 23 MA's), (Start: 121 @16040 has 10 MA's), (180, 16247), (189, 16286), (196, 16316), (237, 16460), (252, 16523), (265, 16586), (276, 16631), (282, 16673), (299, 16757), (387, 17024), (415, 17075), (432, 17120), (460, 17198), (470, 17231), (472, 17237), (527, 17351), (545, 17405), (558, 17450), (576, 17510), (592, 17570), (624, 17684), (656, 17849), (662, 17867), (706, 17993), (756, 18245), (757, 18248), (760, 18257), (778, 18317), (796, 18413), (800, 18461),

Gene: DontArgue_24 Start: 14083, Stop: 16779, Start Num: 111

Candidate Starts for DontArgue_24:

(26, 13720), (Start: 74 @13951 has 124 MA's), (111, 14083), (Start: 121 @14128 has 10 MA's), (147, 14206), (168, 14305), (200, 14413), (204, 14425), (212, 14452), (213, 14455), (219, 14488), (223, 14509), (239, 14566), (247, 14596), (249, 14611), (250, 14617), (255, 14638), (262, 14680), (274, 14743), (306, 14914), (313, 14965), (319, 15007), (328, 15061), (351, 15184), (375, 15238), (423, 15349), (428, 15364), (459, 15469), (468, 15505), (472, 15520), (481, 15541), (483, 15544), (505, 15589), (543, 15688), (545, 15697), (550, 15718), (555, 15730), (569, 15778), (577, 15808), (596, 15874), (622, 15973), (624, 15976), (640, 16051), (650, 16117), (656, 16141), (662, 16159), (676, 16210), (681, 16234), (701, 16288), (706, 16300), (718, 16330), (729, 16369), (773, 16600), (778, 16615), (795, 16693), (796, 16711), (800, 16759),

Gene: Doom_25 Start: 17148, Stop: 19628, Start Num: 77

Candidate Starts for Doom_25:

(Start: 77 @17148 has 209 MA's), (90, 17187), (Start: 107 @17250 has 1 MA's), (Start: 115 @17280 has 23 MA's), (128, 17322), (223, 17529), (229, 17547), (252, 17637), (265, 17700), (272, 17724), (274, 17736), (282, 17787), (393, 18171), (450, 18273), (462, 18312), (480, 18363), (529, 18492), (566, 18591), (598, 18693), (605, 18714), (608, 18726), (617, 18756), (639, 18852), (640, 18855), (651, 18918), (717, 19137), (725, 19170), (752, 19341), (778, 19452), (790, 19518), (794, 19539), (798, 19578), (799, 19593),

Gene: Dorothea_29 Start: 16736, Stop: 18940, Start Num: 76

Candidate Starts for Dorothea_29:

(42, 16577), (64, 16691), (Start: 76 @16736 has 49 MA's), (Start: 107 @16847 has 1 MA's), (142, 16961), (165, 17003), (202, 17126), (214, 17162), (221, 17189), (252, 17312), (258, 17345), (278, 17435), (290, 17504), (341, 17747), (476, 17885), (543, 18005), (610, 18158), (638, 18221), (648, 18263), (678, 18362), (683, 18383), (690, 18404), (700, 18425), (714, 18476), (717, 18488), (722, 18503), (738, 18584), (750, 18662),

Gene: DrFeelGood_23 Start: 16492, Stop: 19152, Start Num: 77

Candidate Starts for DrFeelGood_23:

(Start: 77 @16492 has 209 MA's), (90, 16531), (Start: 107 @16594 has 1 MA's), (Start: 115 @16624 has 23 MA's), (128, 16666), (252, 16975), (265, 17038), (276, 17083), (281, 17107), (295, 17182), (298, 17194), (369, 17515), (467, 17845), (489, 17896), (497, 17923), (567, 18127), (603, 18241), (605, 18250), (612, 18271), (617, 18292), (640, 18391), (648, 18433), (649, 18436), (688, 18565), (714, 18649), (726, 18694), (778, 18976), (794, 19063), (798, 19102), (799, 19117),

Gene: Drake55_28 Start: 17129, Stop: 19636, Start Num: 86

Candidate Starts for Drake55_28:

(Start: 86 @17129 has 90 MA's), (Start: 114 @17240 has 5 MA's), (132, 17297), (187, 17453), (194, 17483), (197, 17492), (217, 17546), (224, 17579), (226, 17585), (269, 17765), (272, 17774), (275, 17789), (276, 17795), (279, 17816), (280, 17819), (282, 17837), (292, 17888), (293, 17897), (315, 18005), (325, 18047), (326, 18056), (336, 18101), (341, 18122), (358, 18188), (366, 18227), (424, 18413), (430, 18428), (435, 18455), (453, 18512), (458, 18527), (459, 18533), (462, 18542), (465,

18557), (469, 18578), (477, 18599), (489, 18623), (508, 18650), (512, 18656), (518, 18683), (555, 18782), (558, 18794), (596, 18881), (613, 18944), (626, 18989), (637, 19037), (646, 19073), (650, 19106), (688, 19169), (701, 19193), (746, 19337), (769, 19436), (788, 19523), (802, 19622),

Gene: Drake94_24 Start: 13780, Stop: 16512, Start Num: 74

Candidate Starts for Drake94_24:

(Start: 74 @13780 has 124 MA's), (Start: 121 @13957 has 10 MA's), (146, 14032), (149, 14044), (192, 14206), (200, 14227), (204, 14239), (213, 14269), (219, 14302), (230, 14347), (236, 14365), (239, 14380), (240, 14389), (247, 14410), (266, 14515), (274, 14557), (305, 14722), (333, 14884), (339, 14911), (423, 15088), (436, 15133), (459, 15208), (471, 15256), (472, 15259), (481, 15280), (483, 15283), (505, 15328), (533, 15403), (535, 15406), (543, 15427), (549, 15451), (569, 15517), (577, 15547), (579, 15559), (604, 15646), (608, 15661), (624, 15715), (640, 15790), (652, 15868), (656, 15880), (662, 15898), (673, 15937), (678, 15949), (681, 15961), (697, 16003), (701, 16015), (706, 16027), (711, 16042), (718, 16063), (720, 16075), (760, 16288), (778, 16348), (785, 16393), (796, 16444), (800, 16492),

Gene: DreamCatcher_27 Start: 17777, Stop: 20245, Start Num: 77

Candidate Starts for DreamCatcher_27:

(Start: 77 @17777 has 209 MA's), (83, 17792), (Start: 115 @17906 has 23 MA's), (Start: 121 @17927 has 10 MA's), (128, 17948), (176, 17978), (182, 18002), (187, 18023), (201, 18068), (252, 18266), (258, 18299), (274, 18365), (321, 18620), (325, 18641), (331, 18668), (402, 18827), (428, 18863), (467, 18956), (473, 18977), (480, 18992), (491, 19013), (493, 19016), (518, 19085), (529, 19121), (543, 19154), (554, 19190), (566, 19220), (578, 19256), (598, 19322), (605, 19343), (617, 19385), (640, 19484), (675, 19625), (683, 19646), (723, 19781), (752, 19958), (778, 20069), (794, 20156), (798, 20195), (800, 20225),

Gene: DreamTeam1_26 Start: 15742, Stop: 18648, Start Num: 31

Candidate Starts for DreamTeam1_26:

(Start: 7 @15553 has 1 MA's), (19, 15655), (Start: 31 @15742 has 33 MA's), (35, 15754), (63, 15886), (67, 15907), (73, 15928), (84, 15970), (87, 15982), (98, 16033), (113, 16096), (124, 16138), (142, 16195), (151, 16234), (199, 16405), (203, 16411), (232, 16516), (237, 16531), (247, 16570), (248, 16573), (261, 16648), (264, 16651), (276, 16702), (279, 16723), (280, 16726), (282, 16744), (315, 16912), (322, 16939), (325, 16954), (336, 17008), (341, 17029), (356, 17092), (358, 17095), (366, 17134), (395, 17227), (403, 17254), (438, 17368), (440, 17377), (454, 17422), (462, 17449), (469, 17485), (477, 17506), (484, 17521), (504, 17548), (505, 17551), (514, 17572), (523, 17605), (547, 17665), (558, 17701), (613, 17851), (626, 17896), (638, 17947), (650, 18013), (656, 18037), (662, 18055), (668, 18076), (673, 18094), (688, 18124), (701, 18157), (708, 18178), (716, 18208), (729, 18259), (744, 18337), (751, 18373), (760, 18424), (769, 18448), (784, 18523), (797, 18589), (801, 18631),

Gene: Dreamboat_25 Start: 16304, Stop: 18775, Start Num: 77

Candidate Starts for Dreamboat_25:

(Start: 77 @16304 has 209 MA's), (90, 16343), (Start: 107 @16406 has 1 MA's), (Start: 115 @16436 has 23 MA's), (Start: 121 @16457 has 10 MA's), (128, 16478), (176, 16508), (182, 16532), (201, 16598), (252, 16796), (258, 16829), (274, 16895), (321, 17150), (325, 17171), (331, 17198), (402, 17357), (428, 17393), (467, 17486), (473, 17507), (497, 17564), (543, 17684), (554, 17720), (566, 17750), (578, 17786), (598, 17852), (605, 17873), (640, 18014), (675, 18155), (683, 18176), (741, 18407), (752, 18488), (778, 18599), (794, 18686), (798, 18725), (800, 18755),

Gene: DroogsArmy_26 Start: 17266, Stop: 20634, Start Num: 3

Candidate Starts for DroogsArmy_26:

(Start: 3 @17266 has 4 MA's), (15, 17395), (20, 17449), (27, 17491), (59, 17653), (95, 17803), (116, 17905), (153, 18040), (207, 18238), (224, 18304), (232, 18331), (233, 18334), (237, 18346), (252,

18409), (253, 18418), (258, 18442), (267, 18472), (276, 18517), (280, 18541), (310, 18685), (315, 18727), (322, 18754), (325, 18769), (333, 18808), (336, 18823), (341, 18844), (353, 18901), (358, 18910), (360, 18919), (401, 19060), (426, 19138), (440, 19192), (459, 19255), (464, 19270), (469, 19300), (473, 19312), (474, 19315), (482, 19333), (488, 19342), (492, 19357), (496, 19375), (505, 19408), (513, 19426), (536, 19489), (556, 19555), (558, 19564), (559, 19567), (562, 19576), (565, 19579), (567, 19588), (568, 19597), (577, 19630), (579, 19642), (588, 19666), (596, 19696), (617, 19774), (619, 19786), (622, 19795), (624, 19798), (626, 19807), (628, 19816), (643, 19894), (647, 19918), (656, 19963), (662, 19981), (679, 20038), (685, 20056), (689, 20080), (693, 20089), (701, 20110), (708, 20131), (710, 20143), (716, 20164), (723, 20203), (731, 20236), (745, 20317), (751, 20350), (760, 20401), (768, 20422), (775, 20446), (788, 20512), (792, 20527), (793, 20533),

Gene: DropBear_25 Start: 15555, Stop: 18593, Start Num: 16

Candidate Starts for DropBear_25:

(Start: 16 @15555 has 33 MA's), (46, 15729), (49, 15741), (54, 15774), (106, 15984), (142, 16107), (148, 16128), (197, 16314), (217, 16368), (233, 16431), (237, 16443), (245, 16476), (249, 16494), (264, 16563), (267, 16569), (269, 16584), (272, 16593), (274, 16605), (276, 16614), (292, 16707), (315, 16824), (316, 16827), (323, 16854), (325, 16866), (336, 16920), (341, 16941), (344, 16962), (358, 17007), (366, 17046), (411, 17187), (424, 17232), (430, 17247), (452, 17322), (453, 17331), (462, 17361), (465, 17376), (466, 17379), (469, 17397), (477, 17418), (479, 17421), (488, 17439), (504, 17460), (505, 17463), (538, 17547), (558, 17613), (569, 17634), (585, 17673), (600, 17712), (613, 17763), (614, 17766), (617, 17775), (624, 17799), (640, 17868), (643, 17889), (656, 17958), (662, 17976), (678, 18024), (681, 18036), (701, 18078), (704, 18090), (717, 18138), (751, 18309), (754, 18339), (762, 18369), (770, 18390), (796, 18525), (797, 18537), (800, 18573),

Gene: Druantia_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for Druantia_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (472, 17242), (481, 17263), (545, 17410), (550, 17431), (558, 17455), (576, 17515), (577, 17521), (578, 17524), (592, 17575), (605, 17623), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800, 18466),

Gene: DudeLittle_26 Start: 16690, Stop: 19233, Start Num: 86

Candidate Starts for DudeLittle_26:

(Start: 86 @16690 has 90 MA's), (134, 16867), (135, 16870), (137, 16873), (188, 17041), (190, 17047), (194, 17068), (197, 17077), (207, 17098), (217, 17131), (224, 17164), (249, 17257), (259, 17305), (261, 17323), (269, 17347), (272, 17356), (274, 17368), (275, 17371), (276, 17377), (279, 17398), (280, 17401), (296, 17488), (315, 17587), (325, 17629), (328, 17647), (339, 17695), (341, 17704), (358, 17770), (366, 17809), (424, 17995), (430, 18010), (438, 18043), (453, 18094), (459, 18115), (464, 18130), (465, 18139), (468, 18154), (504, 18223), (558, 18376), (569, 18397), (613, 18526), (626, 18571), (630, 18583), (637, 18619), (707, 18799), (711, 18808), (745, 18919), (750, 18949), (769, 19033),

Gene: Dulcie_23 Start: 16001, Stop: 18472, Start Num: 77

Candidate Starts for Dulcie_23:

(Start: 77 @16001 has 209 MA's), (90, 16040), (Start: 107 @16103 has 1 MA's), (Start: 115 @16133 has 23 MA's), (Start: 121 @16154 has 10 MA's), (128, 16175), (133, 16187), (176, 16205), (201, 16295), (213, 16331), (252, 16493), (258, 16526), (274, 16592), (321, 16847), (325, 16868), (331, 16895), (402, 17054), (428, 17090), (467, 17183), (473, 17204), (497, 17261), (543, 17381), (554, 17417), (566, 17447), (578, 17483), (598, 17549), (605, 17570), (640, 17711), (675, 17852), (683, 17873), (723, 18008), (752, 18185), (778, 18296), (790, 18362), (794, 18383), (798, 18422), (799, 18437),

Gene: Duplo_29 Start: 16546, Stop: 19059, Start Num: 86

Candidate Starts for Duplo_29:

(Start: 86 @16546 has 90 MA's), (135, 16726), (137, 16729), (217, 16975), (232, 17035), (237, 17050), (244, 17080), (245, 17083), (261, 17167), (269, 17191), (275, 17215), (279, 17242), (280, 17245), (301, 17350), (315, 17431), (322, 17458), (325, 17473), (336, 17527), (341, 17548), (358, 17614), (361, 17632), (363, 17641), (393, 17740), (403, 17773), (407, 17782), (424, 17839), (430, 17854), (459, 17959), (505, 18070), (512, 18082), (513, 18088), (522, 18121), (569, 18241), (613, 18370), (618, 18385), (626, 18415), (630, 18427), (637, 18463), (664, 18577), (678, 18589), (703, 18631), (761, 18838), (768, 18856), (769, 18859), (802, 19045),

Gene: Dussy_25 Start: 16660, Stop: 19059, Start Num: 77

Candidate Starts for Dussy_25:

(Start: 77 @16660 has 209 MA's), (90, 16699), (Start: 107 @16762 has 1 MA's), (Start: 115 @16792 has 23 MA's), (Start: 121 @16813 has 10 MA's), (128, 16834), (133, 16846), (140, 16864), (187, 16909), (201, 16954), (252, 17152), (258, 17185), (274, 17251), (324, 17506), (330, 17527), (335, 17554), (345, 17593), (393, 17650), (423, 17680), (500, 17842), (560, 17995), (566, 18007), (573, 18022), (604, 18139), (617, 18184), (621, 18205), (623, 18208), (651, 18358), (656, 18373), (675, 18439), (690, 18481), (741, 18691), (752, 18772), (778, 18883), (794, 18970), (798, 19009), (799, 19024),

Gene: DustyMartin_29 Start: 15937, Stop: 18492, Start Num: 121

Candidate Starts for DustyMartin_29:

(Start: 74 @15760 has 124 MA's), (Start: 121 @15937 has 10 MA's), (128, 15958), (147, 16015), (171, 16111), (175, 16120), (204, 16225), (212, 16252), (219, 16288), (239, 16366), (240, 16375), (247, 16396), (252, 16423), (266, 16501), (274, 16543), (305, 16708), (331, 16858), (333, 16870), (423, 17065), (459, 17185), (470, 17230), (471, 17233), (472, 17236), (481, 17257), (483, 17260), (505, 17305), (521, 17341), (527, 17359), (533, 17380), (545, 17413), (578, 17527), (596, 17590), (617, 17668), (624, 17692), (640, 17767), (650, 17833), (656, 17857), (662, 17875), (691, 17971), (701, 17995), (706, 18007), (711, 18022), (718, 18043), (720, 18055), (760, 18268), (771, 18304), (777, 18325), (778, 18328), (796, 18424), (800, 18472),

Gene: Dynamix_25 Start: 16399, Stop: 18876, Start Num: 79

Candidate Starts for Dynamix_25:

(Start: 79 @16399 has 8 MA's), (83, 16414), (Start: 115 @16528 has 23 MA's), (128, 16570), (223, 16777), (229, 16795), (252, 16885), (265, 16948), (272, 16972), (274, 16984), (282, 17035), (393, 17419), (450, 17521), (462, 17560), (470, 17587), (480, 17611), (529, 17740), (566, 17839), (598, 17941), (605, 17962), (617, 18004), (640, 18103), (651, 18166), (678, 18256), (717, 18385), (725, 18418), (752, 18589), (778, 18700), (790, 18766), (794, 18787), (798, 18826), (799, 18841),

Gene: EZMoney23_30 Start: 18597, Stop: 21101, Start Num: 86

Candidate Starts for EZMoney23_30:

(Start: 86 @18597 has 90 MA's), (Start: 114 @18708 has 5 MA's), (119, 18726), (132, 18765), (139, 18786), (147, 18810), (194, 18939), (197, 18948), (237, 19077), (249, 19128), (264, 19197), (267, 19203), (269, 19218), (272, 19227), (274, 19239), (276, 19248), (315, 19458), (322, 19485), (325, 19500), (336, 19554), (341, 19575), (358, 19641), (366, 19680), (424, 19866), (453, 19965), (458, 19980), (459, 19986), (462, 19995), (465, 20010), (469, 20031), (477, 20052), (504, 20094), (512, 20109), (518, 20136), (543, 20193), (546, 20205), (558, 20247), (585, 20307), (596, 20334), (604, 20364), (613, 20397), (626, 20442), (630, 20454), (703, 20661), (707, 20670), (711, 20679), (739, 20760), (745, 20790), (750, 20820), (769, 20901),

Gene: Eagle_24 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for Eagle_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (221, 16404), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (521, 17337), (523, 17346), (545, 17409), (550, 17430), (559, 17457), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Eaglepride_26 Start: 15877, Stop: 18447, Start Num: 121

Candidate Starts for Eaglepride_26:

(Start: 74 @15700 has 124 MA's), (Start: 121 @15877 has 10 MA's), (147, 15955), (161, 16030), (168, 16054), (175, 16069), (192, 16141), (204, 16174), (207, 16183), (216, 16216), (219, 16237), (233, 16291), (236, 16300), (239, 16315), (240, 16324), (247, 16345), (261, 16426), (266, 16450), (310, 16690), (339, 16849), (340, 16852), (436, 17068), (459, 17143), (471, 17191), (472, 17194), (481, 17215), (483, 17218), (521, 17299), (523, 17308), (533, 17338), (549, 17386), (550, 17392), (578, 17485), (607, 17593), (617, 17626), (620, 17638), (624, 17650), (628, 17668), (640, 17725), (650, 17791), (656, 17815), (662, 17833), (668, 17854), (673, 17872), (684, 17905), (691, 17926), (706, 17962), (718, 17998), (720, 18010), (760, 18223), (778, 18283), (796, 18379), (800, 18427),

Gene: Eapen_25 Start: 16025, Stop: 18484, Start Num: 115

Candidate Starts for Eapen_25:

(Start: 74 @15884 has 124 MA's), (Start: 115 @16025 has 23 MA's), (Start: 121 @16043 has 10 MA's), (180, 16250), (189, 16289), (196, 16319), (229, 16436), (237, 16463), (252, 16526), (265, 16589), (276, 16634), (282, 16676), (299, 16760), (387, 17027), (415, 17078), (432, 17123), (460, 17201), (472, 17240), (545, 17408), (550, 17429), (558, 17453), (577, 17519), (592, 17573), (605, 17621), (624, 17687), (656, 17852), (662, 17870), (706, 17996), (756, 18248), (757, 18251), (760, 18260), (778, 18320), (796, 18416), (800, 18464),

Gene: Ebony_26 Start: 17224, Stop: 19752, Start Num: 78

Candidate Starts for Ebony_26:

(Start: 71 @17206 has 22 MA's), (Start: 78 @17224 has 2 MA's), (127, 17398), (Start: 129 @17407 has 1 MA's), (166, 17482), (189, 17536), (206, 17590), (211, 17605), (212, 17608), (217, 17626), (233, 17689), (237, 17701), (252, 17764), (265, 17827), (269, 17842), (272, 17851), (276, 17872), (280, 17896), (282, 17911), (300, 17998), (302, 18001), (307, 18016), (310, 18037), (312, 18049), (321, 18115), (329, 18157), (334, 18178), (335, 18187), (341, 18211), (371, 18292), (374, 18301), (378, 18313), (393, 18355), (422, 18412), (442, 18466), (481, 18574), (495, 18613), (546, 18754), (580, 18850), (589, 18871), (602, 18904), (613, 18937), (614, 18940), (639, 19024), (648, 19069), (649, 19072), (680, 19186), (690, 19219), (714, 19291), (724, 19327), (738, 19399), (750, 19477), (760, 19531), (769, 19555), (795, 19666),

Gene: Echild_26 Start: 16721, Stop: 19258, Start Num: 86

Candidate Starts for Echild_26:

(Start: 86 @16721 has 90 MA's), (135, 16901), (147, 16934), (188, 17066), (190, 17072), (194, 17093), (197, 17102), (224, 17189), (237, 17231), (249, 17282), (257, 17318), (259, 17330), (261, 17348), (272, 17381), (274, 17393), (275, 17396), (276, 17402), (279, 17423), (280, 17426), (315, 17612), (325, 17654), (326, 17663), (328, 17672), (341, 17729), (358, 17795), (366, 17834), (414, 17987), (459, 18140), (462, 18149), (464, 18155), (465, 18164), (469, 18185), (479, 18209), (489, 18230), (505, 18251), (518, 18290), (522, 18302), (558, 18401), (585, 18461), (596, 18488), (613, 18551), (626, 18596), (637, 18644), (707, 18824), (711, 18833), (745, 18944), (750, 18974), (769, 19058),

Gene: Edison31_25 Start: 15727, Stop: 18456, Start Num: 74

Candidate Starts for Edison31_25:

(Start: 74 @15727 has 124 MA's), (Start: 121 @15904 has 10 MA's), (128, 15925), (136, 15949), (146, 15979), (147, 15982), (149, 15991), (157, 16030), (161, 16045), (168, 16069), (182, 16114), (192, 16156), (204, 16189), (207, 16198), (219, 16252), (233, 16306), (236, 16315), (240, 16339), (247, 16360), (266, 16465), (274, 16507), (423, 17029), (459, 17149), (470, 17194), (471, 17197), (472, 17200), (483, 17224), (505, 17269), (521, 17305), (533, 17344), (545, 17377), (578, 17491), (617, 17632), (624, 17656), (640, 17731), (650, 17797), (656, 17821), (662, 17839), (681, 17905), (701, 17959), (706, 17971), (711, 17986), (718, 18007), (720, 18019), (760, 18232), (771, 18268), (777, 18289), (778, 18292), (796, 18388), (800, 18436),

Gene: EdogawaKiddo_25 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for EdogawaKiddo_25:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (151, 18085), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (523, 19456), (546, 19510), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: Edtherson_25 Start: 17152, Stop: 19623, Start Num: 77

Candidate Starts for Edtherson_25:

(Start: 77 @17152 has 209 MA's), (90, 17191), (Start: 107 @17254 has 1 MA's), (Start: 115 @17284 has 23 MA's), (Start: 121 @17305 has 10 MA's), (128, 17326), (133, 17338), (176, 17356), (201, 17446), (252, 17644), (258, 17677), (274, 17743), (321, 17998), (325, 18019), (331, 18046), (339, 18085), (354, 18142), (388, 18172), (402, 18205), (428, 18241), (467, 18334), (473, 18355), (497, 18412), (543, 18532), (554, 18568), (566, 18598), (578, 18634), (598, 18700), (605, 18721), (617, 18763), (640, 18862), (675, 19003), (683, 19024), (741, 19255), (752, 19336), (778, 19447), (794, 19534), (798, 19573), (800, 19603),

Gene: Eidsmoe_27 Start: 17620, Stop: 20529, Start Num: 31

Candidate Starts for Eidsmoe_27:

(Start: 31 @17620 has 33 MA's), (35, 17632), (47, 17692), (98, 17914), (113, 17977), (124, 18019), (141, 18073), (142, 18076), (151, 18115), (199, 18286), (203, 18292), (208, 18307), (232, 18397), (233, 18400), (237, 18412), (248, 18454), (258, 18508), (261, 18529), (276, 18583), (279, 18604), (280, 18607), (282, 18625), (294, 18688), (311, 18754), (315, 18793), (322, 18820), (325, 18835), (332, 18865), (336, 18889), (339, 18901), (341, 18910), (358, 18976), (366, 19015), (386, 19081), (395, 19108), (403, 19135), (437, 19246), (459, 19321), (465, 19345), (469, 19366), (477, 19387), (488, 19408), (489, 19411), (504, 19429), (505, 19432), (516, 19459), (540, 19519), (548, 19549), (558, 19582), (573, 19612), (579, 19624), (613, 19732), (618, 19747), (626, 19777), (638, 19828), (655, 19915), (657, 19924), (673, 19975), (701, 20038), (708, 20059), (717, 20095), (728, 20131), (729, 20137), (744, 20215), (749, 20242), (780, 20371), (784, 20401), (792, 20428), (797, 20467), (801, 20509),

Gene: EITiger69_22 Start: 15089, Stop: 17902, Start Num: 4

Candidate Starts for EITiger69_22:

(Start: 4 @15089 has 8 MA's), (24, 15278), (136, 15761), (138, 15767), (159, 15860), (176, 15911), (184, 15947), (213, 16037), (227, 16103), (233, 16124), (252, 16199), (258, 16232), (272, 16286), (277, 16319), (278, 16322), (280, 16331), (299, 16430), (308, 16463), (334, 16592), (418, 16757), (431, 16790), (445, 16823), (471, 16904), (475, 16916), (493, 16949), (552, 17036), (586, 17069), (590, 17081), (601, 17111), (629, 17174), (635, 17216), (654, 17288), (663, 17315), (668, 17330),

(675, 17357), (687, 17378), (719, 17465), (731, 17495), (742, 17558), (756, 17657), (760, 17669), (763, 17681), (766, 17690), (796, 17837),

Gene: Elephantoon_27 Start: 17214, Stop: 20141, Start Num: 31

Candidate Starts for Elephantoon_27:

(Start: 31 @17214 has 33 MA's), (35, 17226), (43, 17262), (47, 17286), (98, 17508), (113, 17571), (124, 17613), (141, 17667), (142, 17670), (199, 17883), (203, 17889), (208, 17904), (232, 17994), (233, 17997), (237, 18009), (247, 18048), (258, 18105), (274, 18171), (276, 18180), (279, 18201), (280, 18204), (282, 18222), (294, 18285), (315, 18390), (316, 18393), (317, 18402), (322, 18417), (325, 18432), (336, 18486), (341, 18507), (356, 18570), (358, 18573), (366, 18612), (395, 18705), (459, 18918), (469, 18963), (488, 19005), (504, 19026), (505, 19029), (514, 19050), (528, 19095), (551, 19155), (558, 19179), (585, 19239), (587, 19242), (605, 19299), (613, 19329), (617, 19341), (624, 19365), (626, 19374), (640, 19440), (650, 19506), (656, 19530), (701, 19650), (708, 19671), (717, 19707), (729, 19749), (732, 19764), (744, 19827), (749, 19854), (760, 19914), (784, 20013), (795, 20049), (797, 20079), (801, 20121),

Gene: Elle_26 Start: 15411, Stop: 18080, Start Num: 32

Candidate Starts for Elle_26:

(21, 15351), (23, 15360), (32, 15411), (38, 15441), (126, 15801), (128, 15807), (169, 15903), (173, 15912), (174, 15915), (189, 15972), (200, 16008), (214, 16050), (221, 16077), (227, 16104), (251, 16197), (252, 16200), (258, 16233), (271, 16284), (283, 16356), (294, 16413), (308, 16467), (317, 16530), (328, 16572), (335, 16605), (344, 16647), (392, 16749), (431, 16788), (486, 16917), (509, 16968), (546, 17073), (555, 17097), (559, 17112), (611, 17238), (615, 17256), (631, 17310), (671, 17469), (674, 17487), (678, 17496), (683, 17517), (700, 17559), (702, 17571), (740, 17736), (750, 17808), (772, 17895), (774, 17901),

Gene: EmyBug_27 Start: 17620, Stop: 20529, Start Num: 31

Candidate Starts for EmyBug_27:

(Start: 31 @17620 has 33 MA's), (35, 17632), (47, 17692), (98, 17914), (113, 17977), (124, 18019), (141, 18073), (142, 18076), (151, 18115), (199, 18286), (203, 18292), (208, 18307), (232, 18397), (233, 18400), (237, 18412), (248, 18454), (258, 18508), (261, 18529), (276, 18583), (279, 18604), (280, 18607), (282, 18625), (294, 18688), (311, 18754), (315, 18793), (322, 18820), (325, 18835), (332, 18865), (336, 18889), (339, 18901), (341, 18910), (358, 18976), (366, 19015), (386, 19081), (395, 19108), (403, 19135), (437, 19246), (459, 19321), (469, 19366), (477, 19387), (488, 19408), (489, 19411), (504, 19429), (505, 19432), (516, 19459), (523, 19486), (546, 19540), (613, 19732), (618, 19747), (626, 19777), (638, 19828), (655, 19915), (657, 19924), (673, 19975), (701, 20038), (708, 20059), (717, 20095), (728, 20131), (729, 20137), (744, 20215), (749, 20242), (780, 20371), (784, 20401), (792, 20428), (797, 20467), (801, 20509),

Gene: EnzoK_25 Start: 16577, Stop: 19048, Start Num: 77

Candidate Starts for EnzoK_25:

(Start: 77 @16577 has 209 MA's), (90, 16616), (Start: 107 @16679 has 1 MA's), (Start: 115 @16709 has 23 MA's), (Start: 121 @16730 has 10 MA's), (128, 16751), (133, 16763), (176, 16781), (201, 16871), (252, 17069), (258, 17102), (274, 17168), (321, 17423), (325, 17444), (331, 17471), (339, 17510), (354, 17567), (388, 17597), (402, 17630), (428, 17666), (467, 17759), (473, 17780), (497, 17837), (543, 17957), (554, 17993), (566, 18023), (578, 18059), (598, 18125), (605, 18146), (617, 18188), (640, 18287), (675, 18428), (683, 18449), (741, 18680), (752, 18761), (778, 18872), (794, 18959), (798, 18998), (799, 19013),

Gene: EpicPhail_27 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for EpicPhail_27:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170,

16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Epsocamisio_28 Start: 15923, Stop: 18109, Start Num: 120

Candidate Starts for Epsocamisio_28:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16163), (210, 16169), (228, 16238), (243, 16295), (276, 16439), (282, 16481), (291, 16529), (292, 16532), (314, 16643), (317, 16661), (341, 16766), (351, 16814), (425, 16919), (447, 16979), (468, 17033), (487, 17069), (498, 17093), (502, 17102), (526, 17165), (537, 17186), (542, 17201), (552, 17225), (556, 17237), (584, 17291), (592, 17312), (605, 17342), (659, 17513), (667, 17534), (700, 17618), (770, 17921), (796, 18044), (797, 18056),

Gene: Equemioh13_28 Start: 17115, Stop: 19622, Start Num: 86

Candidate Starts for Equemioh13_28:

(Start: 86 @17115 has 90 MA's), (Start: 114 @17226 has 5 MA's), (132, 17283), (194, 17469), (217, 17532), (224, 17565), (226, 17571), (269, 17751), (272, 17760), (276, 17781), (279, 17802), (280, 17805), (282, 17823), (293, 17883), (315, 17991), (325, 18033), (336, 18087), (341, 18108), (356, 18171), (358, 18174), (361, 18192), (366, 18213), (424, 18399), (430, 18414), (435, 18441), (453, 18498), (458, 18513), (459, 18519), (462, 18528), (464, 18534), (469, 18564), (477, 18585), (505, 18630), (508, 18636), (518, 18669), (528, 18696), (555, 18768), (558, 18780), (585, 18840), (596, 18867), (613, 18930), (626, 18975), (630, 18987), (637, 19023), (646, 19059), (650, 19092), (688, 19155), (701, 19179), (746, 19323), (769, 19422), (788, 19509), (802, 19608),

Gene: EricB_29 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for EricB_29:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717, 18480), (722, 18495), (738, 18576), (750, 18654),

Gene: Eris_24 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Eris_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Eros_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Eros_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577,

17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Espresso_24 Start: 16449, Stop: 18920, Start Num: 77

Candidate Starts for Espresso_24:

(Start: 77 @16449 has 209 MA's), (90, 16488), (Start: 107 @16551 has 1 MA's), (Start: 115 @16581 has 23 MA's), (Start: 121 @16602 has 10 MA's), (128, 16623), (176, 16653), (182, 16677), (201, 16743), (252, 16941), (258, 16974), (274, 17040), (321, 17295), (325, 17316), (331, 17343), (402, 17502), (428, 17538), (467, 17631), (473, 17652), (480, 17667), (491, 17688), (493, 17691), (518, 17760), (529, 17796), (543, 17829), (554, 17865), (566, 17895), (578, 17931), (598, 17997), (605, 18018), (640, 18159), (675, 18300), (683, 18321), (723, 18456), (752, 18633), (778, 18744), (790, 18810), (794, 18831), (798, 18870), (799, 18885),

Gene: Et2Brutus_25 Start: 17166, Stop: 19712, Start Num: 71

Candidate Starts for Et2Brutus_25:

(Start: 71 @17166 has 22 MA's), (Start: 78 @17184 has 2 MA's), (127, 17358), (Start: 129 @17367 has 1 MA's), (166, 17442), (189, 17496), (206, 17550), (211, 17565), (212, 17568), (217, 17586), (233, 17649), (237, 17661), (252, 17724), (265, 17787), (269, 17802), (272, 17811), (276, 17832), (280, 17856), (282, 17871), (300, 17958), (302, 17961), (307, 17976), (310, 17997), (312, 18009), (321, 18075), (334, 18138), (335, 18147), (341, 18171), (371, 18252), (374, 18261), (378, 18273), (393, 18315), (422, 18372), (442, 18426), (481, 18534), (495, 18573), (546, 18714), (580, 18810), (589, 18831), (602, 18864), (613, 18897), (614, 18900), (639, 18984), (648, 19029), (649, 19032), (680, 19146), (690, 19179), (714, 19251), (724, 19287), (738, 19359), (750, 19437), (760, 19491), (769, 19515), (795, 19626),

Gene: EtoileNova_26 Start: 16047, Stop: 19085, Start Num: 16

Candidate Starts for EtoileNova_26:

(Start: 16 @16047 has 33 MA's), (46, 16221), (49, 16233), (54, 16266), (106, 16473), (112, 16494), (141, 16593), (142, 16596), (197, 16806), (207, 16827), (217, 16860), (233, 16923), (237, 16935), (245, 16968), (249, 16986), (253, 17007), (264, 17055), (267, 17061), (269, 17076), (272, 17085), (274, 17097), (276, 17106), (292, 17199), (315, 17316), (316, 17319), (323, 17346), (325, 17358), (336, 17412), (341, 17433), (358, 17499), (366, 17538), (411, 17679), (424, 17724), (452, 17814), (453, 17823), (462, 17853), (477, 17910), (484, 17925), (504, 17952), (505, 17955), (513, 17973), (553, 18084), (585, 18165), (604, 18222), (616, 18264), (640, 18360), (643, 18381), (647, 18405), (656, 18450), (662, 18468), (678, 18516), (681, 18528), (701, 18570), (704, 18582), (717, 18630), (751, 18801), (762, 18861), (768, 18873), (776, 18900), (780, 18921), (796, 19017), (800, 19065),

Gene: Euphoria_24 Start: 16340, Stop: 18808, Start Num: 77

Candidate Starts for Euphoria_24:

(Start: 77 @16340 has 209 MA's), (83, 16355), (Start: 115 @16469 has 23 MA's), (Start: 121 @16490 has 10 MA's), (128, 16511), (176, 16541), (182, 16565), (201, 16631), (252, 16829), (258, 16862), (274, 16928), (321, 17183), (325, 17204), (331, 17231), (402, 17390), (428, 17426), (467, 17519), (473, 17540), (480, 17555), (491, 17576), (493, 17579), (518, 17648), (529, 17684), (543, 17717), (554, 17753), (566, 17783), (578, 17819), (598, 17885), (605, 17906), (640, 18047), (675, 18188), (683, 18209), (723, 18344), (752, 18521), (778, 18632), (790, 18698), (794, 18719), (798, 18758), (799, 18773),

Gene: Eurydice_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Eurydice_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (344, 16965), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576,

17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: EvilGenius_28 Start: 17032, Stop: 19575, Start Num: 86

Candidate Starts for EvilGenius_28:

(Start: 86 @17032 has 90 MA's), (134, 17209), (135, 17212), (137, 17215), (187, 17380), (190, 17389), (194, 17410), (197, 17419), (207, 17440), (217, 17473), (224, 17506), (237, 17548), (249, 17599), (252, 17611), (258, 17644), (259, 17647), (261, 17665), (272, 17698), (274, 17710), (276, 17719), (279, 17740), (280, 17743), (315, 17929), (325, 17971), (326, 17980), (328, 17989), (341, 18046), (358, 18112), (366, 18151), (395, 18244), (407, 18280), (424, 18337), (444, 18403), (453, 18436), (458, 18451), (459, 18457), (462, 18466), (465, 18481), (469, 18502), (477, 18523), (488, 18544), (489, 18547), (504, 18565), (505, 18568), (518, 18607), (522, 18619), (546, 18676), (551, 18694), (558, 18718), (585, 18778), (596, 18805), (613, 18868), (655, 19051), (703, 19132), (707, 19141), (711, 19150), (745, 19261), (750, 19291), (769, 19375),

Gene: ExplosioNervosa_27 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for ExplosioNervosa_27:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (84, 17854), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (151, 18118), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (339, 18904), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (523, 19489), (546, 19543), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: Eyeball_24 Start: 16155, Stop: 18635, Start Num: 77

Candidate Starts for Eyeball_24:

(Start: 77 @16155 has 209 MA's), (90, 16194), (Start: 107 @16257 has 1 MA's), (Start: 115 @16287 has 23 MA's), (128, 16329), (223, 16536), (229, 16554), (252, 16644), (265, 16707), (272, 16731), (274, 16743), (282, 16794), (393, 17178), (450, 17280), (462, 17319), (470, 17346), (480, 17370), (529, 17499), (566, 17598), (598, 17700), (605, 17721), (608, 17733), (617, 17763), (640, 17862), (651, 17925), (678, 18015), (717, 18144), (725, 18177), (778, 18459), (794, 18546), (798, 18585), (799, 18600),

Gene: Fajezeel_26 Start: 16674, Stop: 19145, Start Num: 77

Candidate Starts for Fajezeel_26:

(Start: 77 @16674 has 209 MA's), (90, 16713), (Start: 107 @16776 has 1 MA's), (Start: 115 @16806 has 23 MA's), (Start: 121 @16827 has 10 MA's), (128, 16848), (133, 16860), (176, 16878), (182, 16902), (220, 17040), (229, 17076), (252, 17166), (258, 17199), (274, 17265), (321, 17520), (325, 17541), (331, 17568), (334, 17583), (354, 17664), (402, 17727), (428, 17763), (467, 17856), (473, 17877), (480, 17892), (491, 17913), (493, 17916), (518, 17985), (529, 18021), (543, 18054), (554, 18090), (566, 18120), (578, 18156), (598, 18222), (605, 18243), (640, 18384), (675, 18525), (683, 18546), (723, 18681), (752, 18858), (778, 18969), (790, 19035), (794, 19056), (798, 19095), (799, 19110),

Gene: Fameo_26 Start: 16665, Stop: 19202, Start Num: 86

Candidate Starts for Fameo_26:

(Start: 86 @16665 has 90 MA's), (134, 16842), (135, 16845), (137, 16848), (188, 17010), (190, 17016), (194, 17037), (197, 17046), (207, 17067), (217, 17100), (224, 17133), (249, 17226), (259, 17274),

(261, 17292), (272, 17325), (274, 17337), (275, 17340), (276, 17346), (279, 17367), (280, 17370), (315, 17556), (325, 17598), (326, 17607), (339, 17664), (341, 17673), (358, 17739), (366, 17778), (395, 17871), (401, 17889), (424, 17964), (453, 18063), (458, 18078), (459, 18084), (462, 18093), (465, 18108), (469, 18129), (477, 18150), (489, 18174), (505, 18195), (508, 18201), (518, 18234), (522, 18246), (525, 18255), (558, 18345), (585, 18405), (596, 18432), (613, 18495), (626, 18540), (655, 18678), (707, 18768), (711, 18777), (745, 18888), (750, 18918), (769, 19002),

Gene: Farber_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for Farber_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (363, 17445), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (605, 18144), (613, 18174), (614, 18177), (617, 18186), (640, 18279), (656, 18369), (678, 18435), (681, 18447), (701, 18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: Fascinus_23 Start: 16097, Stop: 18676, Start Num: 77

Candidate Starts for Fascinus_23:

(Start: 77 @16097 has 209 MA's), (90, 16136), (Start: 107 @16199 has 1 MA's), (Start: 115 @16229 has 23 MA's), (216, 16448), (224, 16484), (265, 16652), (276, 16697), (280, 16721), (282, 16739), (344, 17051), (409, 17207), (446, 17309), (455, 17342), (481, 17414), (497, 17453), (529, 17540), (566, 17639), (598, 17741), (605, 17762), (608, 17774), (617, 17804), (640, 17903), (651, 17966), (678, 18056), (717, 18185), (725, 18218), (778, 18500), (794, 18587), (798, 18626), (799, 18641),

Gene: Fayely_27 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for Fayely_27:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (84, 17854), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (339, 18904), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (424, 19204), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (546, 19543), (558, 19585), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: Fenn_25 Start: 17895, Stop: 20510, Start Num: 77

Candidate Starts for Fenn_25:

(Start: 77 @17895 has 209 MA's), (90, 17934), (Start: 107 @17997 has 1 MA's), (110, 18003), (Start: 115 @18027 has 23 MA's), (186, 18135), (237, 18306), (251, 18366), (252, 18369), (277, 18492), (282, 18522), (295, 18585), (341, 18804), (359, 18876), (376, 18924), (397, 18969), (466, 19194), (467, 19203), (480, 19239), (497, 19281), (567, 19485), (603, 19599), (605, 19608), (612, 19629), (617, 19650), (640, 19749), (648, 19791), (649, 19794), (688, 19923), (714, 20007), (726, 20052), (778, 20334), (790, 20400), (794, 20421), (798, 20460), (799, 20475),

Gene: Fernando_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for Fernando_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: Fibonacci_26 Start: 17160, Stop: 19706, Start Num: 71

Candidate Starts for Fibonacci_26:

(Start: 71 @17160 has 22 MA's), (Start: 78 @17178 has 2 MA's), (127, 17352), (Start: 129 @17361 has 1 MA's), (166, 17436), (206, 17544), (211, 17559), (212, 17562), (217, 17580), (233, 17643), (237, 17655), (252, 17718), (265, 17781), (269, 17796), (272, 17805), (276, 17826), (280, 17850), (282, 17865), (300, 17952), (302, 17955), (307, 17970), (310, 17991), (312, 18003), (321, 18069), (329, 18111), (334, 18132), (335, 18141), (341, 18165), (371, 18246), (374, 18255), (378, 18267), (393, 18309), (422, 18366), (442, 18420), (481, 18528), (495, 18567), (546, 18708), (580, 18804), (589, 18825), (602, 18858), (613, 18891), (614, 18894), (639, 18978), (648, 19023), (649, 19026), (680, 19140), (690, 19173), (714, 19245), (724, 19281), (738, 19353), (750, 19431), (760, 19485), (769, 19509), (795, 19620),

Gene: FiringLine_26 Start: 16547, Stop: 19084, Start Num: 86

Candidate Starts for FiringLine_26:

(Start: 86 @16547 has 90 MA's), (134, 16724), (135, 16727), (137, 16730), (147, 16760), (190, 16898), (194, 16919), (197, 16928), (207, 16949), (217, 16982), (232, 17042), (237, 17057), (249, 17108), (259, 17156), (261, 17174), (272, 17207), (274, 17219), (275, 17222), (276, 17228), (279, 17249), (280, 17252), (296, 17339), (315, 17438), (325, 17480), (326, 17489), (328, 17498), (339, 17546), (341, 17555), (358, 17621), (366, 17660), (424, 17846), (430, 17861), (438, 17894), (453, 17945), (459, 17966), (464, 17981), (465, 17990), (468, 18005), (504, 18074), (558, 18227), (569, 18248), (613, 18377), (626, 18422), (630, 18434), (637, 18470), (707, 18650), (711, 18659), (745, 18770), (750, 18800), (769, 18884),

Gene: First_0026 Start: 16642, Stop: 19185, Start Num: 86

Candidate Starts for First_0026:

(28, 16390), (Start: 86 @16642 has 90 MA's), (135, 16822), (137, 16825), (147, 16855), (187, 16990), (190, 16999), (194, 17020), (197, 17029), (207, 17050), (217, 17083), (224, 17116), (249, 17209), (259, 17257), (261, 17275), (268, 17287), (272, 17308), (276, 17329), (279, 17350), (280, 17353), (315, 17539), (325, 17581), (326, 17590), (328, 17599), (341, 17656), (358, 17722), (366, 17761), (393, 17848), (424, 17947), (459, 18067), (462, 18076), (464, 18082), (465, 18091), (469, 18112), (479, 18136), (489, 18157), (505, 18178), (510, 18187), (518, 18217), (522, 18229), (528, 18244), (546, 18286), (582, 18379), (585, 18388), (596, 18415), (613, 18478), (707, 18751), (711, 18760), (745, 18871), (750, 18901), (769, 18985),

Gene: Flare16_26 Start: 16673, Stop: 19180, Start Num: 86

Candidate Starts for Flare16_26:

(Start: 86 @16673 has 90 MA's), (Start: 114 @16784 has 5 MA's), (132, 16841), (187, 16997), (194, 17027), (217, 17090), (224, 17123), (226, 17129), (269, 17309), (272, 17318), (276, 17339), (279, 17360), (280, 17363), (282, 17381), (293, 17441), (315, 17549), (325, 17591), (336, 17645), (341, 17666), (356, 17729), (358, 17732), (361, 17750), (366, 17771), (424, 17957), (430, 17972), (435, 17999), (453, 18056), (458, 18071), (459, 18077), (462, 18086), (464, 18092), (469, 18122), (477,

18143), (505, 18188), (508, 18194), (518, 18227), (528, 18254), (555, 18326), (558, 18338), (585, 18398), (596, 18425), (613, 18488), (626, 18533), (637, 18581), (646, 18617), (650, 18650), (688, 18713), (701, 18737), (746, 18881), (769, 18980), (788, 19067), (802, 19166),

Gene: Flaverint_26 Start: 17157, Stop: 19703, Start Num: 71

Candidate Starts for Flaverint_26:

(Start: 71 @17157 has 22 MA's), (Start: 78 @17175 has 2 MA's), (127, 17349), (Start: 129 @17358 has 1 MA's), (166, 17433), (189, 17487), (206, 17541), (211, 17556), (212, 17559), (217, 17577), (233, 17640), (237, 17652), (252, 17715), (265, 17778), (269, 17793), (272, 17802), (276, 17823), (280, 17847), (282, 17862), (300, 17949), (302, 17952), (307, 17967), (310, 17988), (312, 18000), (321, 18066), (335, 18138), (341, 18162), (371, 18243), (374, 18252), (378, 18264), (393, 18306), (422, 18363), (442, 18417), (481, 18525), (495, 18564), (546, 18705), (580, 18801), (589, 18822), (602, 18855), (613, 18888), (614, 18891), (639, 18975), (648, 19020), (649, 19023), (680, 19137), (690, 19170), (714, 19242), (724, 19278), (738, 19350), (750, 19428), (760, 19482), (769, 19506), (795, 19617),

Gene: Florean_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Florean_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (481, 17259), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Flux_25 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for Flux_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: FlyCatcher_29 Start: 17560, Stop: 20943, Start Num: 3

Candidate Starts for FlyCatcher_29:

(Start: 3 @17560 has 4 MA's), (59, 17947), (70, 18004), (101, 18136), (104, 18148), (116, 18199), (155, 18346), (205, 18529), (207, 18535), (217, 18568), (220, 18580), (244, 18673), (249, 18694), (252, 18706), (283, 18862), (287, 18886), (303, 18949), (315, 19024), (325, 19066), (336, 19120), (341, 19141), (353, 19198), (356, 19204), (358, 19207), (376, 19291), (382, 19306), (393, 19333), (395, 19339), (424, 19432), (429, 19444), (430, 19447), (469, 19597), (474, 19612), (482, 19630), (492, 19654), (496, 19672), (497, 19675), (536, 19786), (555, 19849), (556, 19852), (573, 19909), (574, 19915), (588, 19963), (596, 19993), (617, 20071), (619, 20083), (622, 20092), (628, 20113), (643, 20191), (656, 20260), (662, 20278), (676, 20329), (685, 20365), (686, 20377), (699, 20410), (708, 20440), (712, 20461), (723, 20512), (731, 20545), (745, 20626), (751, 20659), (754, 20689), (768, 20731), (775, 20755), (788, 20821), (792, 20836), (793, 20842), (798, 20893),

Gene: ForesterFrank_27 Start: 18137, Stop: 20641, Start Num: 86

Candidate Starts for ForesterFrank_27:

(Start: 86 @18137 has 90 MA's), (Start: 114 @18248 has 5 MA's), (119, 18266), (132, 18305), (139, 18326), (147, 18350), (194, 18479), (197, 18488), (203, 18497), (237, 18617), (249, 18668), (264, 18737), (267, 18743), (269, 18758), (272, 18767), (274, 18779), (276, 18788), (315, 18998), (322, 19025), (325, 19040), (336, 19094), (341, 19115), (358, 19181), (366, 19220), (384, 19283), (424,

19406), (430, 19421), (435, 19448), (438, 19454), (453, 19505), (458, 19520), (459, 19526), (462, 19535), (465, 19550), (469, 19571), (477, 19592), (504, 19634), (512, 19649), (523, 19691), (546, 19745), (555, 19775), (558, 19787), (596, 19874), (613, 19937), (626, 19982), (630, 19994), (664, 20144), (703, 20201), (707, 20210), (711, 20219), (745, 20330), (750, 20360), (769, 20441),

Gene: Forsytheast_23 Start: 16363, Stop: 18834, Start Num: 77

Candidate Starts for Forsytheast_23:

(Start: 77 @16363 has 209 MA's), (90, 16402), (Start: 107 @16465 has 1 MA's), (Start: 115 @16495 has 23 MA's), (Start: 121 @16516 has 10 MA's), (128, 16537), (133, 16549), (176, 16567), (201, 16657), (252, 16855), (258, 16888), (274, 16954), (321, 17209), (325, 17230), (331, 17257), (402, 17416), (428, 17452), (467, 17545), (473, 17566), (497, 17623), (543, 17743), (554, 17779), (566, 17809), (578, 17845), (598, 17911), (605, 17932), (640, 18073), (675, 18214), (683, 18235), (741, 18466), (752, 18547), (778, 18658), (782, 18700), (794, 18745), (798, 18784), (799, 18799),

Gene: Francis47_24 Start: 16902, Stop: 19382, Start Num: 77

Candidate Starts for Francis47_24:

(Start: 77 @16902 has 209 MA's), (90, 16941), (Start: 107 @17004 has 1 MA's), (Start: 115 @17034 has 23 MA's), (128, 17076), (223, 17283), (229, 17301), (252, 17391), (265, 17454), (272, 17478), (274, 17490), (282, 17541), (393, 17925), (450, 18027), (462, 18066), (470, 18093), (480, 18117), (566, 18345), (598, 18447), (605, 18468), (608, 18480), (617, 18510), (640, 18609), (651, 18672), (717, 18891), (725, 18924), (778, 19206), (794, 19293), (798, 19332), (800, 19362),

Gene: Fred313_25 Start: 15240, Stop: 18278, Start Num: 16

Candidate Starts for Fred313_25:

(Start: 16 @15240 has 33 MA's), (46, 15414), (49, 15426), (54, 15459), (106, 15669), (142, 15792), (148, 15813), (197, 15999), (207, 16020), (217, 16053), (233, 16116), (237, 16128), (245, 16161), (249, 16179), (264, 16248), (267, 16254), (269, 16269), (272, 16278), (274, 16290), (276, 16299), (292, 16392), (315, 16509), (316, 16512), (323, 16539), (325, 16551), (336, 16605), (341, 16626), (344, 16647), (358, 16692), (366, 16731), (395, 16824), (411, 16872), (424, 16917), (430, 16932), (452, 17007), (453, 17016), (457, 17028), (462, 17046), (465, 17061), (484, 17118), (504, 17145), (505, 17148), (514, 17169), (558, 17298), (569, 17319), (585, 17358), (600, 17397), (605, 17418), (613, 17448), (614, 17451), (617, 17460), (624, 17484), (640, 17553), (643, 17574), (656, 17643), (662, 17661), (678, 17709), (681, 17721), (701, 17763), (704, 17775), (717, 17823), (751, 17994), (754, 18024), (762, 18054), (770, 18075), (796, 18210), (797, 18222), (800, 18258),

Gene: Froghopper_25 Start: 16326, Stop: 18797, Start Num: 77

Candidate Starts for Froghopper_25:

(Start: 77 @16326 has 209 MA's), (90, 16365), (Start: 107 @16428 has 1 MA's), (Start: 115 @16458 has 23 MA's), (Start: 121 @16479 has 10 MA's), (128, 16500), (133, 16512), (176, 16530), (187, 16575), (201, 16620), (252, 16818), (258, 16851), (274, 16917), (321, 17172), (325, 17193), (331, 17220), (402, 17379), (428, 17415), (467, 17508), (473, 17529), (497, 17586), (543, 17706), (554, 17742), (566, 17772), (578, 17808), (598, 17874), (605, 17895), (633, 18012), (640, 18036), (675, 18177), (683, 18198), (741, 18429), (752, 18510), (778, 18621), (790, 18687), (794, 18708), (798, 18747), (799, 18762),

Gene: Funston_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Funston_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Fushigi_25 Start: 16774, Stop: 19254, Start Num: 77

Candidate Starts for Fushigi_25:

(Start: 77 @16774 has 209 MA's), (90, 16813), (Start: 107 @16876 has 1 MA's), (Start: 115 @16906 has 23 MA's), (128, 16948), (223, 17155), (229, 17173), (252, 17263), (265, 17326), (272, 17350), (274, 17362), (282, 17413), (393, 17797), (450, 17899), (462, 17938), (467, 17953), (470, 17965), (480, 17989), (529, 18118), (566, 18217), (598, 18319), (605, 18340), (608, 18352), (617, 18382), (640, 18481), (651, 18544), (717, 18763), (725, 18796), (778, 19078), (790, 19144), (794, 19165), (798, 19204), (800, 19234),

Gene: GMonster_23 Start: 16194, Stop: 18194, Start Num: 77

Candidate Starts for GMonster_23:

(Start: 77 @16194 has 209 MA's), (90, 16233), (Start: 107 @16296 has 1 MA's), (Start: 115 @16326 has 23 MA's), (Start: 121 @16347 has 10 MA's), (179, 16407), (205, 16503), (217, 16542), (223, 16572), (227, 16584), (252, 16680), (258, 16713), (308, 16947), (356, 17172), (405, 17235), (485, 17337), (491, 17349), (524, 17427), (541, 17469), (561, 17523), (566, 17535), (573, 17550), (577, 17568), (579, 17580), (608, 17658), (617, 17688), (627, 17733), (640, 17784), (698, 17994), (737, 18144),

Gene: Gachnar_24 Start: 16385, Stop: 18856, Start Num: 77

Candidate Starts for Gachnar_24:

(Start: 77 @16385 has 209 MA's), (90, 16424), (Start: 107 @16487 has 1 MA's), (Start: 115 @16517 has 23 MA's), (Start: 121 @16538 has 10 MA's), (128, 16559), (133, 16571), (176, 16589), (201, 16679), (252, 16877), (258, 16910), (274, 16976), (321, 17231), (325, 17252), (331, 17279), (402, 17438), (428, 17474), (467, 17567), (473, 17588), (497, 17645), (543, 17765), (554, 17801), (566, 17831), (578, 17867), (598, 17933), (605, 17954), (640, 18095), (675, 18236), (683, 18257), (723, 18392), (752, 18569), (778, 18680), (794, 18767), (798, 18806), (799, 18821),

Gene: Gadost_25 Start: 16030, Stop: 18489, Start Num: 115

Candidate Starts for Gadost_25:

(Start: 74 @15889 has 124 MA's), (Start: 115 @16030 has 23 MA's), (Start: 121 @16048 has 10 MA's), (180, 16255), (189, 16294), (196, 16324), (229, 16441), (237, 16468), (252, 16531), (265, 16594), (276, 16639), (282, 16681), (299, 16765), (387, 17032), (415, 17083), (432, 17128), (460, 17206), (470, 17239), (472, 17245), (481, 17266), (545, 17413), (550, 17434), (558, 17458), (577, 17524), (592, 17578), (605, 17626), (624, 17692), (656, 17857), (662, 17875), (706, 18001), (756, 18253), (757, 18256), (760, 18265), (778, 18325), (796, 18421), (800, 18469),

Gene: GageAP_26 Start: 17075, Stop: 19546, Start Num: 77

Candidate Starts for GageAP_26:

(Start: 77 @17075 has 209 MA's), (90, 17114), (Start: 107 @17177 has 1 MA's), (110, 17183), (Start: 115 @17207 has 23 MA's), (Start: 121 @17228 has 10 MA's), (128, 17249), (176, 17279), (182, 17303), (201, 17369), (252, 17567), (258, 17600), (274, 17666), (321, 17921), (325, 17942), (331, 17969), (402, 18128), (428, 18164), (467, 18257), (473, 18278), (480, 18293), (491, 18314), (493, 18317), (518, 18386), (529, 18422), (543, 18455), (554, 18491), (566, 18521), (578, 18557), (598, 18623), (605, 18644), (640, 18785), (675, 18926), (683, 18947), (723, 19082), (752, 19259), (778, 19370), (782, 19412), (794, 19457), (798, 19496), (799, 19511),

Gene: Gail_25 Start: 15723, Stop: 18137, Start Num: 108

Candidate Starts for Gail_25:

(Start: 108 @15723 has 6 MA's), (Start: 114 @15741 has 5 MA's), (123, 15774), (152, 15876), (162, 15918), (176, 15960), (180, 15972), (213, 16086), (223, 16140), (237, 16185), (252, 16248), (258, 16281), (279, 16377), (294, 16461), (322, 16602), (378, 16746), (415, 16800), (420, 16815), (431, 16842), (434, 16854), (504, 17040), (559, 17196), (593, 17286), (612, 17337), (628, 17397), (634,

17430), (635, 17442), (643, 17475), (646, 17484), (682, 17616), (687, 17628), (697, 17652), (718, 17706), (743, 17823), (764, 17934), (784, 18009), (797, 18075), (800, 18111),

Gene: Gandalf20_25 Start: 17202, Stop: 19673, Start Num: 77

Candidate Starts for Gandalf20_25:

(Start: 77 @17202 has 209 MA's), (90, 17241), (Start: 107 @17304 has 1 MA's), (Start: 115 @17334 has 23 MA's), (Start: 121 @17355 has 10 MA's), (128, 17376), (133, 17388), (176, 17406), (182, 17430), (201, 17496), (252, 17694), (258, 17727), (274, 17793), (321, 18048), (325, 18069), (331, 18096), (402, 18255), (428, 18291), (467, 18384), (473, 18405), (497, 18462), (518, 18513), (529, 18549), (543, 18582), (554, 18618), (566, 18648), (578, 18684), (598, 18750), (605, 18771), (640, 18912), (675, 19053), (683, 19074), (723, 19209), (752, 19386), (778, 19497), (790, 19563), (794, 19584), (798, 19623), (799, 19638),

Gene: Garak_30 Start: 16733, Stop: 18937, Start Num: 76

Candidate Starts for Garak_30:

(42, 16574), (64, 16688), (Start: 76 @16733 has 49 MA's), (Start: 107 @16844 has 1 MA's), (165, 17000), (210, 17147), (214, 17159), (252, 17309), (258, 17342), (278, 17432), (290, 17501), (341, 17744), (476, 17882), (543, 18002), (610, 18155), (638, 18218), (648, 18260), (678, 18359), (683, 18380), (690, 18401), (700, 18422), (714, 18473), (717, 18485), (722, 18500), (738, 18581), (750, 18659),

Gene: GaugeLDP_28 Start: 17905, Stop: 20424, Start Num: 86

Candidate Starts for GaugeLDP_28:

(Start: 86 @17905 has 90 MA's), (Start: 114 @18016 has 5 MA's), (135, 18085), (137, 18088), (151, 18142), (194, 18259), (197, 18268), (203, 18277), (217, 18322), (219, 18331), (249, 18448), (260, 18505), (264, 18517), (267, 18523), (269, 18538), (274, 18559), (276, 18568), (315, 18778), (323, 18808), (325, 18820), (336, 18874), (341, 18895), (358, 18961), (363, 18988), (366, 19000), (411, 19141), (424, 19186), (430, 19201), (435, 19228), (437, 19231), (453, 19285), (464, 19321), (465, 19330), (469, 19351), (479, 19375), (484, 19387), (504, 19414), (505, 19417), (518, 19456), (522, 19468), (528, 19483), (585, 19627), (596, 19654), (604, 19684), (605, 19687), (613, 19717), (626, 19762), (630, 19774), (637, 19810), (650, 19879), (703, 19978), (707, 19987), (711, 19996), (745, 20107), (758, 20194), (769, 20224), (800, 20401),

Gene: Gemma_27 Start: 16053, Stop: 19079, Start Num: 17

Candidate Starts for Gemma_27:

(11, 15999), (Start: 17 @16053 has 84 MA's), (36, 16167), (48, 16233), (49, 16236), (51, 16245), (60, 16281), (69, 16332), (93, 16404), (106, 16476), (141, 16596), (142, 16599), (158, 16668), (170, 16713), (197, 16806), (203, 16815), (217, 16860), (226, 16899), (233, 16923), (237, 16935), (245, 16968), (249, 16986), (253, 17007), (264, 17055), (267, 17061), (269, 17076), (272, 17085), (274, 17097), (276, 17106), (292, 17199), (312, 17286), (315, 17316), (316, 17319), (323, 17346), (325, 17358), (336, 17412), (341, 17433), (346, 17463), (358, 17499), (393, 17625), (411, 17679), (424, 17724), (438, 17772), (452, 17814), (453, 17823), (462, 17853), (484, 17925), (488, 17931), (504, 17952), (505, 17955), (512, 17967), (553, 18084), (555, 18093), (585, 18165), (587, 18168), (600, 18204), (613, 18255), (614, 18258), (617, 18267), (656, 18450), (678, 18516), (681, 18528), (701, 18570), (718, 18633), (734, 18690), (744, 18759), (751, 18795), (770, 18876), (796, 19011), (797, 19023),

Gene: Georgie2_27 Start: 16538, Stop: 19075, Start Num: 86

Candidate Starts for Georgie2_27:

(Start: 86 @16538 has 90 MA's), (134, 16715), (135, 16718), (137, 16721), (147, 16751), (190, 16889), (194, 16910), (197, 16919), (207, 16940), (217, 16973), (232, 17033), (237, 17048), (249, 17099), (259, 17147), (261, 17165), (272, 17198), (274, 17210), (275, 17213), (276, 17219), (279, 17240), (280, 17243), (296, 17330), (315, 17429), (325, 17471), (326, 17480), (328, 17489), (339, 17537),

(341, 17546), (358, 17612), (366, 17651), (424, 17837), (430, 17852), (438, 17885), (453, 17936), (459, 17957), (464, 17972), (465, 17981), (468, 17996), (504, 18065), (558, 18218), (569, 18239), (613, 18368), (626, 18413), (630, 18425), (637, 18461), (707, 18641), (711, 18650), (745, 18761), (750, 18791), (769, 18875),

Gene: Gilberta_26 Start: 17154, Stop: 19700, Start Num: 71

Candidate Starts for Gilberta_26:

(Start: 71 @17154 has 22 MA's), (Start: 78 @17172 has 2 MA's), (127, 17346), (Start: 129 @17355 has 1 MA's), (166, 17430), (189, 17484), (206, 17538), (211, 17553), (212, 17556), (217, 17574), (233, 17637), (237, 17649), (252, 17712), (265, 17775), (269, 17790), (272, 17799), (276, 17820), (280, 17844), (282, 17859), (300, 17946), (302, 17949), (307, 17964), (310, 17985), (312, 17997), (321, 18063), (335, 18135), (341, 18159), (371, 18240), (374, 18249), (378, 18261), (393, 18303), (422, 18360), (442, 18414), (481, 18522), (495, 18561), (546, 18702), (580, 18798), (589, 18819), (602, 18852), (613, 18885), (614, 18888), (639, 18972), (648, 19017), (649, 19020), (680, 19134), (690, 19167), (714, 19239), (724, 19275), (738, 19347), (750, 19425), (760, 19479), (769, 19503), (795, 19614),

Gene: GingkoMaracino_27 Start: 15865, Stop: 18891, Start Num: 17

Candidate Starts for GingkoMaracino_27:

(11, 15811), (Start: 17 @15865 has 84 MA's), (36, 15979), (48, 16045), (49, 16048), (51, 16057), (60, 16093), (69, 16144), (93, 16216), (106, 16288), (141, 16408), (142, 16411), (158, 16480), (170, 16525), (197, 16618), (203, 16627), (209, 16645), (217, 16672), (233, 16735), (237, 16747), (245, 16780), (249, 16798), (261, 16864), (264, 16867), (267, 16873), (269, 16888), (272, 16897), (274, 16909), (276, 16918), (288, 16996), (292, 17011), (315, 17128), (316, 17131), (323, 17158), (325, 17170), (336, 17224), (341, 17245), (358, 17311), (366, 17350), (395, 17443), (411, 17491), (424, 17536), (438, 17584), (452, 17626), (453, 17635), (462, 17665), (463, 17668), (465, 17680), (484, 17737), (488, 17743), (504, 17764), (505, 17767), (555, 17905), (558, 17917), (585, 17977), (604, 18034), (640, 18172), (643, 18193), (647, 18217), (656, 18262), (662, 18280), (678, 18328), (681, 18340), (701, 18382), (718, 18445), (734, 18502), (744, 18571), (751, 18607), (770, 18688), (796, 18823),

Gene: Giroux_26 Start: 15495, Stop: 18530, Start Num: 16

Candidate Starts for Giroux_26:

(Start: 16 @15495 has 33 MA's), (46, 15669), (49, 15681), (54, 15714), (106, 15924), (141, 16044), (142, 16047), (197, 16251), (207, 16272), (216, 16302), (217, 16305), (233, 16368), (237, 16380), (245, 16413), (249, 16431), (264, 16500), (267, 16506), (269, 16521), (272, 16530), (274, 16542), (276, 16551), (292, 16644), (315, 16761), (316, 16764), (322, 16788), (323, 16791), (325, 16803), (336, 16857), (341, 16878), (344, 16899), (358, 16944), (363, 16971), (366, 16983), (411, 17124), (424, 17169), (430, 17184), (452, 17259), (453, 17268), (462, 17298), (465, 17313), (466, 17316), (469, 17334), (477, 17355), (479, 17358), (504, 17397), (505, 17400), (538, 17484), (558, 17550), (569, 17571), (585, 17610), (600, 17649), (605, 17670), (613, 17700), (614, 17703), (617, 17712), (624, 17736), (640, 17805), (643, 17826), (656, 17895), (662, 17913), (678, 17961), (681, 17973), (701, 18015), (704, 18027), (717, 18075), (751, 18246), (754, 18276), (762, 18306), (770, 18327), (796, 18462), (800, 18510),

Gene: Gladiator_29 Start: 16707, Stop: 18923, Start Num: 76

Candidate Starts for Gladiator_29:

(64, 16662), (Start: 76 @16707 has 49 MA's), (Start: 107 @16818 has 1 MA's), (165, 16974), (210, 17121), (214, 17133), (251, 17280), (252, 17283), (258, 17316), (278, 17406), (290, 17475), (308, 17550), (341, 17718), (543, 17976), (559, 18021), (610, 18129), (638, 18192), (648, 18234), (678, 18333), (683, 18354), (700, 18396), (714, 18447), (722, 18474), (738, 18555), (750, 18645),

Gene: Gompeii16_24 Start: 16850, Stop: 19330, Start Num: 77

Candidate Starts for Gompeii16_24:

(Start: 77 @16850 has 209 MA's), (90, 16889), (Start: 107 @16952 has 1 MA's), (Start: 115 @16982 has 23 MA's), (128, 17024), (223, 17231), (229, 17249), (252, 17339), (265, 17402), (272, 17426), (274, 17438), (282, 17489), (393, 17873), (450, 17975), (462, 18014), (467, 18029), (470, 18041), (480, 18065), (566, 18293), (598, 18395), (605, 18416), (608, 18428), (617, 18458), (640, 18557), (651, 18620), (717, 18839), (725, 18872), (778, 19154), (794, 19241), (798, 19280), (800, 19310),

Gene: Goose_25 Start: 15688, Stop: 18417, Start Num: 74

Candidate Starts for Goose_25:

(26, 15457), (Start: 74 @15688 has 124 MA's), (Start: 121 @15865 has 10 MA's), (128, 15886), (136, 15910), (138, 15916), (146, 15940), (147, 15943), (149, 15952), (157, 15991), (160, 16000), (161, 16006), (168, 16030), (182, 16075), (192, 16117), (204, 16150), (207, 16159), (219, 16213), (233, 16267), (236, 16276), (240, 16300), (247, 16321), (266, 16426), (274, 16468), (331, 16783), (333, 16795), (339, 16822), (423, 16990), (459, 17110), (470, 17155), (471, 17158), (472, 17161), (481, 17182), (483, 17185), (505, 17230), (545, 17338), (550, 17359), (569, 17419), (578, 17452), (596, 17515), (617, 17593), (624, 17617), (640, 17692), (650, 17758), (656, 17782), (662, 17800), (672, 17836), (681, 17866), (697, 17908), (701, 17920), (706, 17932), (718, 17968), (720, 17980), (760, 18193), (763, 18205), (771, 18229), (778, 18253), (796, 18349), (800, 18397),

Gene: Graduation_26 Start: 17109, Stop: 19577, Start Num: 77

Candidate Starts for Graduation_26:

(Start: 77 @17109 has 209 MA's), (83, 17124), (Start: 115 @17238 has 23 MA's), (128, 17280), (176, 17310), (182, 17334), (201, 17400), (252, 17598), (258, 17631), (274, 17697), (321, 17952), (325, 17973), (331, 18000), (402, 18159), (428, 18195), (467, 18288), (473, 18309), (480, 18324), (491, 18345), (493, 18348), (518, 18417), (529, 18453), (543, 18486), (554, 18522), (566, 18552), (578, 18588), (598, 18654), (605, 18675), (640, 18816), (675, 18957), (683, 18978), (723, 19113), (752, 19290), (778, 19401), (790, 19467), (794, 19488), (798, 19527), (799, 19542),

Gene: Gratitude_27 Start: 17115, Stop: 19622, Start Num: 86

Candidate Starts for Gratitude_27:

(Start: 86 @17115 has 90 MA's), (Start: 114 @17226 has 5 MA's), (132, 17283), (194, 17469), (217, 17532), (224, 17565), (226, 17571), (269, 17751), (272, 17760), (276, 17781), (279, 17802), (280, 17805), (282, 17823), (293, 17883), (315, 17991), (325, 18033), (336, 18087), (341, 18108), (356, 18171), (358, 18174), (361, 18192), (366, 18213), (424, 18399), (430, 18414), (435, 18441), (453, 18498), (458, 18513), (459, 18519), (462, 18528), (464, 18534), (469, 18564), (477, 18585), (505, 18630), (508, 18636), (518, 18669), (528, 18696), (555, 18768), (558, 18780), (585, 18840), (596, 18867), (613, 18930), (626, 18975), (630, 18987), (637, 19023), (646, 19059), (650, 19092), (688, 19155), (701, 19179), (746, 19323), (769, 19422), (788, 19509), (802, 19608),

Gene: GrecoEtereo_25 Start: 16652, Stop: 19120, Start Num: 77

Candidate Starts for GrecoEtereo_25:

(Start: 77 @16652 has 209 MA's), (83, 16667), (Start: 115 @16781 has 23 MA's), (128, 16823), (176, 16853), (201, 16943), (202, 16946), (252, 17141), (274, 17240), (321, 17495), (325, 17516), (331, 17543), (402, 17702), (428, 17738), (467, 17831), (473, 17852), (497, 17909), (543, 18029), (554, 18065), (566, 18095), (578, 18131), (598, 18197), (605, 18218), (640, 18359), (675, 18500), (683, 18521), (723, 18656), (752, 18833), (778, 18944), (782, 18986), (794, 19031), (798, 19070),

Gene: GreedyLawyer_29 Start: 16735, Stop: 18939, Start Num: 76

Candidate Starts for GreedyLawyer_29:

(42, 16576), (64, 16690), (Start: 76 @16735 has 49 MA's), (Start: 107 @16846 has 1 MA's), (110, 16852), (142, 16960), (165, 17002), (184, 17068), (214, 17161), (221, 17188), (252, 17311), (258, 17344), (278, 17434), (290, 17503), (341, 17746), (476, 17884), (543, 18004), (610, 18157), (638, 18220), (648, 18262), (678, 18361), (683, 18382), (690, 18403), (700, 18424), (714, 18475), (717,

18487), (722, 18502), (738, 18583), (750, 18661),

Gene: Greg_26 Start: 16674, Stop: 19145, Start Num: 77

Candidate Starts for Greg_26:

(Start: 77 @16674 has 209 MA's), (90, 16713), (Start: 107 @16776 has 1 MA's), (Start: 115 @16806 has 23 MA's), (Start: 121 @16827 has 10 MA's), (128, 16848), (133, 16860), (176, 16878), (182, 16902), (220, 17040), (229, 17076), (252, 17166), (258, 17199), (274, 17265), (321, 17520), (325, 17541), (331, 17568), (334, 17583), (354, 17664), (402, 17727), (428, 17763), (467, 17856), (473, 17877), (480, 17892), (491, 17913), (493, 17916), (518, 17985), (529, 18021), (543, 18054), (554, 18090), (566, 18120), (578, 18156), (598, 18222), (605, 18243), (640, 18384), (675, 18525), (683, 18546), (723, 18681), (752, 18858), (778, 18969), (790, 19035), (794, 19056), (798, 19095), (799, 19110),

Gene: Grif_27 Start: 16062, Stop: 19088, Start Num: 17

Candidate Starts for Grif_27:

(11, 16008), (Start: 17 @16062 has 84 MA's), (36, 16176), (48, 16242), (49, 16245), (51, 16254), (60, 16290), (69, 16341), (93, 16413), (106, 16485), (141, 16605), (142, 16608), (158, 16677), (170, 16722), (197, 16815), (203, 16824), (209, 16842), (217, 16869), (233, 16932), (237, 16944), (245, 16977), (249, 16995), (261, 17061), (264, 17064), (267, 17070), (269, 17085), (272, 17094), (274, 17106), (276, 17115), (292, 17208), (315, 17325), (316, 17328), (323, 17355), (325, 17367), (336, 17421), (341, 17442), (358, 17508), (366, 17547), (395, 17640), (411, 17688), (424, 17733), (438, 17781), (452, 17823), (453, 17832), (462, 17862), (463, 17865), (465, 17877), (484, 17934), (488, 17940), (504, 17961), (505, 17964), (555, 18102), (558, 18114), (585, 18174), (605, 18234), (613, 18264), (614, 18267), (617, 18276), (640, 18369), (647, 18414), (656, 18459), (662, 18477), (678, 18525), (681, 18537), (701, 18579), (718, 18642), (734, 18699), (744, 18768), (751, 18804), (770, 18885), (796, 19020),

Gene: GroundGoblin_25 Start: 17195, Stop: 19666, Start Num: 77

Candidate Starts for GroundGoblin_25:

(Start: 77 @17195 has 209 MA's), (90, 17234), (Start: 107 @17297 has 1 MA's), (Start: 115 @17327 has 23 MA's), (Start: 121 @17348 has 10 MA's), (128, 17369), (133, 17381), (176, 17399), (182, 17423), (201, 17489), (252, 17687), (258, 17720), (274, 17786), (321, 18041), (325, 18062), (331, 18089), (354, 18185), (388, 18215), (402, 18248), (428, 18284), (467, 18377), (473, 18398), (497, 18455), (543, 18575), (554, 18611), (566, 18641), (578, 18677), (598, 18743), (605, 18764), (617, 18806), (640, 18905), (675, 19046), (683, 19067), (723, 19202), (778, 19490), (794, 19577), (798, 19616),

Gene: Groupthink_28 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Groupthink_28:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325, 17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: Grub_27 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for Grub_27:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: Grum1_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for Grum1_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (366, 17457), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (604, 18141), (640, 18279), (643, 18300), (647, 18324), (656, 18369), (662, 18387), (678, 18435), (681, 18447), (701, 18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: Gruunaga_29 Start: 16707, Stop: 18923, Start Num: 76

Candidate Starts for Gruunaga_29:

(64, 16662), (Start: 76 @16707 has 49 MA's), (Start: 107 @16818 has 1 MA's), (165, 16974), (210, 17121), (214, 17133), (251, 17280), (252, 17283), (258, 17316), (278, 17406), (290, 17475), (308, 17550), (341, 17718), (543, 17976), (559, 18021), (610, 18129), (638, 18192), (648, 18234), (678, 18333), (683, 18354), (700, 18396), (714, 18447), (722, 18474), (738, 18555), (750, 18645),

Gene: GtownJaz_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for GtownJaz_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (288, 17111), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (366, 17465), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (558, 18032), (585, 18092), (604, 18149), (640, 18287), (643, 18308), (647, 18332), (656, 18377), (662, 18395), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938),

Gene: Gwendoluna_26 Start: 17874, Stop: 20708, Start Num: 77

Candidate Starts for Gwendoluna_26:

(Start: 77 @17874 has 209 MA's), (98, 17946), (198, 18189), (203, 18204), (217, 18249), (242, 18369), (246, 18387), (254, 18435), (261, 18480), (274, 18525), (275, 18528), (282, 18576), (316, 18759), (320, 18786), (335, 18870), (345, 18927), (349, 18945), (362, 18990), (369, 19026), (383, 19086), (399, 19134), (416, 19197), (417, 19200), (443, 19293), (451, 19317), (461, 19353), (467, 19380), (470, 19392), (477, 19410), (484, 19425), (506, 19488), (549, 19617), (564, 19662), (572, 19695), (575, 19707), (613, 19836), (636, 19932), (655, 20019), (656, 20022), (662, 20040), (723, 20244),

(752, 20421), (778, 20532), (794, 20619), (798, 20658), (799, 20673),

Gene: Gwennie_26 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for Gwennie_26:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Gyzlar_26 Start: 17600, Stop: 20071, Start Num: 77

Candidate Starts for Gyzlar_26:

(Start: 77 @17600 has 209 MA's), (90, 17639), (Start: 107 @17702 has 1 MA's), (Start: 115 @17732 has 23 MA's), (Start: 121 @17753 has 10 MA's), (128, 17774), (133, 17786), (176, 17804), (182, 17828), (201, 17894), (210, 17921), (252, 18092), (258, 18125), (274, 18191), (321, 18446), (325, 18467), (331, 18494), (339, 18533), (354, 18590), (388, 18620), (467, 18782), (473, 18803), (497, 18860), (543, 18980), (554, 19016), (566, 19046), (578, 19082), (598, 19148), (605, 19169), (617, 19211), (640, 19310), (675, 19451), (683, 19472), (741, 19703), (752, 19784), (778, 19895), (794, 19982), (798, 20021), (800, 20051),

Gene: HINdeR_25 Start: 17367, Stop: 20738, Start Num: 3

Candidate Starts for HINdeR_25:

(Start: 3 @17367 has 4 MA's), (18, 17529), (45, 17679), (59, 17754), (95, 17904), (104, 17955), (116, 18006), (153, 18141), (207, 18342), (217, 18375), (232, 18435), (233, 18438), (237, 18450), (243, 18477), (253, 18522), (258, 18546), (264, 18570), (276, 18621), (280, 18645), (315, 18831), (322, 18858), (325, 18873), (333, 18912), (336, 18927), (341, 18948), (349, 18990), (353, 19005), (356, 19011), (358, 19014), (376, 19098), (382, 19113), (393, 19140), (394, 19143), (404, 19176), (417, 19212), (424, 19239), (426, 19242), (429, 19251), (469, 19404), (473, 19416), (474, 19419), (482, 19437), (488, 19446), (490, 19452), (492, 19461), (496, 19479), (499, 19488), (505, 19512), (513, 19530), (536, 19593), (546, 19626), (556, 19659), (558, 19668), (559, 19671), (562, 19680), (565, 19683), (568, 19701), (577, 19734), (588, 19770), (596, 19800), (607, 19845), (619, 19890), (622, 19899), (624, 19902), (626, 19911), (628, 19920), (656, 20067), (662, 20085), (679, 20142), (685, 20160), (686, 20172), (689, 20184), (693, 20193), (701, 20214), (708, 20235), (710, 20247), (718, 20280), (720, 20292), (721, 20298), (728, 20322), (731, 20340), (732, 20343), (745, 20421), (754, 20484), (760, 20505), (768, 20526), (775, 20550), (788, 20616), (792, 20631), (793, 20637),

Gene: HamSlice_24 Start: 15883, Stop: 18483, Start Num: 74

Candidate Starts for HamSlice_24:

(Start: 74 @15883 has 124 MA's), (Start: 115 @16024 has 23 MA's), (Start: 121 @16042 has 10 MA's), (180, 16249), (189, 16288), (196, 16318), (221, 16402), (229, 16435), (237, 16462), (252, 16525), (265, 16588), (276, 16633), (282, 16675), (299, 16759), (387, 17026), (415, 17077), (432, 17122), (460, 17200), (472, 17239), (545, 17407), (550, 17428), (558, 17452), (577, 17518), (592, 17572), (605, 17620), (624, 17686), (656, 17851), (662, 17869), (706, 17995), (756, 18247), (757, 18250), (760, 18259), (778, 18319), (796, 18415), (800, 18463),

Gene: Hami1_26 Start: 16746, Stop: 19217, Start Num: 77

Candidate Starts for Hami1_26:

(Start: 77 @16746 has 209 MA's), (90, 16785), (Start: 107 @16848 has 1 MA's), (Start: 115 @16878 has 23 MA's), (Start: 121 @16899 has 10 MA's), (128, 16920), (133, 16932), (176, 16950), (201, 17040), (252, 17238), (258, 17271), (274, 17337), (321, 17592), (325, 17613), (331, 17640), (402, 17799), (428, 17835), (467, 17928), (473, 17949), (497, 18006), (543, 18126), (554, 18162), (566, 18192), (578, 18228), (598, 18294), (605, 18315), (640, 18456), (675, 18597), (683, 18618), (723, 18753), (752, 18930), (778, 19041), (794, 19128), (798, 19167), (799, 19182),

Gene: Hammer_29 Start: 16722, Stop: 18938, Start Num: 76

Candidate Starts for Hammer_29:

(64, 16677), (Start: 76 @16722 has 49 MA's), (Start: 107 @16833 has 1 MA's), (165, 16989), (210, 17136), (214, 17148), (251, 17295), (252, 17298), (258, 17331), (278, 17421), (290, 17490), (308, 17565), (341, 17733), (543, 17991), (559, 18036), (610, 18144), (638, 18207), (648, 18249), (678, 18348), (683, 18369), (700, 18411), (714, 18462), (722, 18489), (738, 18570), (750, 18660),

Gene: HanShotFirst_24 Start: 16280, Stop: 18751, Start Num: 77

Candidate Starts for HanShotFirst_24:

(Start: 77 @16280 has 209 MA's), (90, 16319), (Start: 107 @16382 has 1 MA's), (Start: 115 @16412 has 23 MA's), (Start: 121 @16433 has 10 MA's), (128, 16454), (133, 16466), (176, 16484), (182, 16508), (201, 16574), (220, 16646), (229, 16682), (252, 16772), (258, 16805), (274, 16871), (321, 17126), (325, 17147), (331, 17174), (334, 17189), (402, 17333), (428, 17369), (467, 17462), (473, 17483), (497, 17540), (543, 17660), (554, 17696), (566, 17726), (578, 17762), (598, 17828), (605, 17849), (640, 17990), (675, 18131), (683, 18152), (723, 18287), (752, 18464), (778, 18575), (794, 18662), (798, 18701), (799, 18716),

Gene: Hanray_26 Start: 17594, Stop: 20503, Start Num: 31

Candidate Starts for Hanray_26:

(Start: 31 @17594 has 33 MA's), (35, 17606), (47, 17666), (84, 17825), (98, 17888), (113, 17951), (124, 17993), (142, 18050), (151, 18089), (199, 18260), (203, 18266), (208, 18281), (232, 18371), (233, 18374), (237, 18386), (248, 18428), (258, 18482), (276, 18557), (279, 18578), (280, 18581), (282, 18599), (294, 18662), (311, 18728), (315, 18767), (322, 18794), (325, 18809), (332, 18839), (336, 18863), (341, 18884), (358, 18950), (366, 18989), (386, 19055), (395, 19082), (403, 19109), (424, 19175), (437, 19220), (459, 19295), (469, 19340), (477, 19361), (488, 19382), (489, 19385), (504, 19403), (505, 19406), (516, 19433), (523, 19460), (546, 19514), (613, 19706), (618, 19721), (626, 19751), (638, 19802), (655, 19889), (657, 19898), (673, 19949), (701, 20012), (708, 20033), (717, 20069), (728, 20105), (729, 20111), (744, 20189), (749, 20216), (760, 20276), (780, 20345), (784, 20375), (792, 20402), (797, 20441), (801, 20483),

Gene: Happiness_25 Start: 15891, Stop: 18491, Start Num: 74

Candidate Starts for Happiness_25:

(Start: 74 @15891 has 124 MA's), (Start: 115 @16032 has 23 MA's), (Start: 121 @16050 has 10 MA's), (180, 16257), (189, 16296), (196, 16326), (229, 16443), (237, 16470), (252, 16533), (265, 16596), (276, 16641), (282, 16683), (299, 16767), (387, 17034), (415, 17085), (432, 17130), (460, 17208), (470, 17241), (472, 17247), (527, 17361), (545, 17415), (558, 17460), (576, 17520), (579, 17538), (592, 17580), (605, 17628), (624, 17694), (656, 17859), (662, 17877), (706, 18003), (756, 18255), (757, 18258), (760, 18267), (777, 18324), (778, 18327), (785, 18372), (796, 18423), (800, 18471),

Gene: HarryHoudini_28 Start: 17132, Stop: 19639, Start Num: 86

Candidate Starts for HarryHoudini_28:

(Start: 86 @17132 has 90 MA's), (Start: 114 @17243 has 5 MA's), (132, 17300), (139, 17321), (147, 17345), (165, 17411), (194, 17486), (217, 17549), (224, 17582), (226, 17588), (269, 17768), (272, 17777), (276, 17798), (279, 17819), (280, 17822), (282, 17840), (292, 17891), (293, 17900), (315, 18008), (325, 18050), (326, 18059), (336, 18104), (341, 18125), (358, 18191), (361, 18209), (366,

18230), (367, 18239), (424, 18416), (430, 18431), (435, 18458), (453, 18515), (458, 18530), (459, 18536), (462, 18545), (464, 18551), (465, 18560), (469, 18581), (477, 18602), (505, 18647), (508, 18653), (518, 18686), (545, 18752), (555, 18785), (558, 18797), (585, 18857), (596, 18884), (613, 18947), (626, 18992), (637, 19040), (646, 19076), (688, 19172), (701, 19196), (746, 19340), (769, 19439), (802, 19625),

Gene: HarryOW_25 Start: 16725, Stop: 19205, Start Num: 77

Candidate Starts for HarryOW_25:

(Start: 77 @16725 has 209 MA's), (90, 16764), (Start: 107 @16827 has 1 MA's), (110, 16833), (Start: 115 @16857 has 23 MA's), (128, 16899), (223, 17106), (229, 17124), (252, 17214), (265, 17277), (272, 17301), (274, 17313), (282, 17364), (393, 17748), (450, 17850), (462, 17889), (470, 17916), (480, 17940), (566, 18168), (598, 18270), (605, 18291), (608, 18303), (617, 18333), (639, 18429), (640, 18432), (651, 18495), (717, 18714), (725, 18747), (778, 19029), (794, 19116), (798, 19155), (799, 19170),

Gene: HashRod_28 Start: 16063, Stop: 19089, Start Num: 17

Candidate Starts for HashRod_28:

(11, 16009), (Start: 17 @16063 has 84 MA's), (36, 16177), (48, 16243), (49, 16246), (51, 16255), (60, 16291), (69, 16342), (93, 16414), (106, 16486), (141, 16606), (142, 16609), (158, 16678), (170, 16723), (197, 16816), (203, 16825), (209, 16843), (217, 16870), (233, 16933), (237, 16945), (245, 16978), (249, 16996), (261, 17062), (264, 17065), (267, 17071), (269, 17086), (272, 17095), (274, 17107), (276, 17116), (288, 17194), (292, 17209), (315, 17326), (316, 17329), (323, 17356), (325, 17368), (336, 17422), (341, 17443), (358, 17509), (366, 17548), (395, 17641), (411, 17689), (424, 17734), (438, 17782), (452, 17824), (453, 17833), (462, 17863), (463, 17866), (465, 17878), (484, 17935), (488, 17941), (504, 17962), (505, 17965), (555, 18103), (558, 18115), (585, 18175), (604, 18232), (640, 18370), (643, 18391), (647, 18415), (656, 18460), (662, 18478), (678, 18526), (681, 18538), (701, 18580), (718, 18643), (734, 18700), (744, 18769), (751, 18805), (770, 18886), (796, 19021),

Gene: HaveUMetTed_28 Start: 16050, Stop: 19076, Start Num: 17

Candidate Starts for HaveUMetTed_28:

(11, 15996), (Start: 17 @16050 has 84 MA's), (36, 16164), (48, 16230), (49, 16233), (51, 16242), (60, 16278), (69, 16329), (93, 16401), (106, 16473), (141, 16593), (142, 16596), (158, 16665), (170, 16710), (197, 16803), (203, 16812), (217, 16857), (226, 16896), (233, 16920), (237, 16932), (245, 16965), (249, 16983), (253, 17004), (264, 17052), (267, 17058), (269, 17073), (272, 17082), (274, 17094), (276, 17103), (292, 17196), (312, 17283), (315, 17313), (316, 17316), (323, 17343), (325, 17355), (336, 17409), (341, 17430), (346, 17460), (358, 17496), (393, 17622), (411, 17676), (424, 17721), (438, 17769), (452, 17811), (453, 17820), (462, 17850), (484, 17922), (488, 17928), (504, 17949), (505, 17952), (512, 17964), (553, 18081), (555, 18090), (585, 18162), (587, 18165), (600, 18201), (613, 18252), (614, 18255), (617, 18264), (656, 18447), (678, 18513), (681, 18525), (701, 18567), (718, 18630), (734, 18687), (744, 18756), (751, 18792), (770, 18873), (796, 19008), (797, 19020),

Gene: Heathen_25 Start: 15296, Stop: 18334, Start Num: 16

Candidate Starts for Heathen_25:

(Start: 16 @15296 has 33 MA's), (46, 15470), (49, 15482), (54, 15515), (106, 15725), (142, 15848), (148, 15869), (197, 16055), (207, 16076), (217, 16109), (233, 16172), (237, 16184), (245, 16217), (249, 16235), (264, 16304), (267, 16310), (269, 16325), (272, 16334), (274, 16346), (276, 16355), (292, 16448), (315, 16565), (316, 16568), (323, 16595), (325, 16607), (336, 16661), (341, 16682), (344, 16703), (358, 16748), (366, 16787), (395, 16880), (411, 16928), (424, 16973), (430, 16988), (452, 17063), (453, 17072), (457, 17084), (462, 17102), (465, 17117), (484, 17174), (504, 17201), (505, 17204), (514, 17225), (558, 17354), (569, 17375), (585, 17414), (600, 17453), (605, 17474), (613, 17504), (614, 17507), (617, 17516), (624, 17540), (640, 17609), (643, 17630), (656, 17699),

(662, 17717), (678, 17765), (681, 17777), (701, 17819), (704, 17831), (717, 17879), (751, 18050), (754, 18080), (762, 18110), (770, 18131), (796, 18266), (797, 18278), (800, 18314),

Gene: Heffalump_28 Start: 18467, Stop: 21010, Start Num: 86

Candidate Starts for Heffalump_28:

(Start: 86 @18467 has 90 MA's), (134, 18644), (135, 18647), (137, 18650), (188, 18818), (190, 18824), (194, 18845), (197, 18854), (207, 18875), (217, 18908), (224, 18941), (249, 19034), (259, 19082), (261, 19100), (272, 19133), (274, 19145), (275, 19148), (276, 19154), (279, 19175), (280, 19178), (315, 19364), (325, 19406), (326, 19415), (328, 19424), (339, 19472), (341, 19481), (358, 19547), (366, 19586), (395, 19679), (401, 19697), (424, 19772), (453, 19871), (458, 19886), (459, 19892), (462, 19901), (465, 19916), (469, 19937), (477, 19958), (489, 19982), (505, 20003), (508, 20009), (518, 20042), (522, 20054), (525, 20063), (558, 20153), (585, 20213), (596, 20240), (613, 20303), (626, 20348), (655, 20486), (707, 20576), (711, 20585), (745, 20696), (750, 20726), (769, 20810),

Gene: HelDan_25 Start: 15548, Stop: 18586, Start Num: 16

Candidate Starts for HelDan_25:

(Start: 16 @15548 has 33 MA's), (46, 15722), (49, 15734), (54, 15767), (106, 15977), (142, 16100), (148, 16121), (197, 16307), (207, 16328), (217, 16361), (233, 16424), (237, 16436), (245, 16469), (249, 16487), (264, 16556), (267, 16562), (269, 16577), (272, 16586), (274, 16598), (276, 16607), (292, 16700), (315, 16817), (316, 16820), (323, 16847), (325, 16859), (336, 16913), (341, 16934), (344, 16955), (358, 17000), (366, 17039), (395, 17132), (411, 17180), (424, 17225), (430, 17240), (452, 17315), (453, 17324), (457, 17336), (462, 17354), (465, 17369), (484, 17426), (504, 17453), (505, 17456), (514, 17477), (558, 17606), (569, 17627), (585, 17666), (600, 17705), (605, 17726), (613, 17756), (614, 17759), (617, 17768), (624, 17792), (640, 17861), (643, 17882), (656, 17951), (662, 17969), (678, 18017), (681, 18029), (701, 18071), (704, 18083), (717, 18131), (751, 18302), (754, 18332), (762, 18362), (770, 18383), (796, 18518), (797, 18530), (800, 18566),

Gene: Heliosoles_27 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Heliosoles_27:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325, 17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: Helmet_29 Start: 16733, Stop: 18937, Start Num: 76

Candidate Starts for Helmet_29:

(42, 16574), (64, 16688), (Start: 76 @16733 has 49 MA's), (Start: 107 @16844 has 1 MA's), (165, 17000), (210, 17147), (214, 17159), (252, 17309), (258, 17342), (278, 17432), (290, 17501), (341, 17744), (476, 17882), (543, 18002), (610, 18155), (638, 18218), (648, 18260), (678, 18359), (683, 18380), (690, 18401), (700, 18422), (714, 18473), (717, 18485), (722, 18500), (738, 18581), (750, 18659),

Gene: Herbertwm_23 Start: 15323, Stop: 17746, Start Num: 76

Candidate Starts for Herbertwm_23:

(Start: 76 @15323 has 49 MA's), (82, 15341), (87, 15353), (111, 15374), (112, 15380), (133, 15452), (165, 15518), (167, 15530), (187, 15593), (202, 15641), (207, 15656), (217, 15689), (221, 15704),

(227, 15731), (235, 15758), (244, 15794), (251, 15824), (252, 15827), (253, 15836), (272, 15914), (276, 15935), (277, 15947), (282, 15977), (304, 16073), (311, 16109), (317, 16160), (332, 16238), (356, 16343), (379, 16388), (447, 16526), (478, 16616), (534, 16766), (571, 16859), (581, 16901), (610, 16976), (638, 17039), (669, 17156), (678, 17180), (683, 17201), (690, 17222), (706, 17267), (714, 17294), (724, 17330), (761, 17528), (769, 17549), (797, 17690),

Gene: Hercules11_27 Start: 15986, Stop: 19012, Start Num: 17

Candidate Starts for Hercules11_27:

(11, 15932), (Start: 17 @15986 has 84 MA's), (36, 16100), (48, 16166), (49, 16169), (51, 16178), (60, 16214), (69, 16265), (93, 16337), (106, 16409), (141, 16529), (142, 16532), (158, 16601), (170, 16646), (197, 16739), (203, 16748), (209, 16766), (217, 16793), (233, 16856), (237, 16868), (245, 16901), (249, 16919), (261, 16985), (264, 16988), (267, 16994), (269, 17009), (272, 17018), (274, 17030), (276, 17039), (288, 17117), (292, 17132), (315, 17249), (316, 17252), (323, 17279), (325, 17291), (336, 17345), (341, 17366), (358, 17432), (366, 17471), (395, 17564), (411, 17612), (424, 17657), (438, 17705), (452, 17747), (453, 17756), (462, 17786), (463, 17789), (465, 17801), (484, 17858), (488, 17864), (504, 17885), (505, 17888), (555, 18026), (558, 18038), (585, 18098), (604, 18155), (640, 18293), (643, 18314), (647, 18338), (656, 18383), (662, 18401), (678, 18449), (681, 18461), (701, 18503), (718, 18566), (734, 18623), (744, 18692), (751, 18728), (770, 18809), (796, 18944),

Gene: Hermia_26 Start: 17387, Stop: 19858, Start Num: 77

Candidate Starts for Hermia_26:

(Start: 77 @17387 has 209 MA's), (90, 17426), (Start: 107 @17489 has 1 MA's), (Start: 115 @17519 has 23 MA's), (Start: 121 @17540 has 10 MA's), (128, 17561), (133, 17573), (176, 17591), (182, 17615), (201, 17681), (252, 17879), (258, 17912), (274, 17978), (321, 18233), (325, 18254), (331, 18281), (354, 18377), (388, 18407), (402, 18440), (428, 18476), (467, 18569), (473, 18590), (497, 18647), (543, 18767), (554, 18803), (566, 18833), (578, 18869), (598, 18935), (605, 18956), (617, 18998), (640, 19097), (675, 19238), (683, 19259), (723, 19394), (778, 19682), (794, 19769), (798, 19808),

Gene: HermioneGrange_24 Start: 16299, Stop: 18779, Start Num: 77

Candidate Starts for HermioneGrange_24:

(Start: 77 @16299 has 209 MA's), (90, 16338), (Start: 107 @16401 has 1 MA's), (Start: 115 @16431 has 23 MA's), (128, 16473), (223, 16680), (229, 16698), (252, 16788), (265, 16851), (272, 16875), (274, 16887), (282, 16938), (393, 17322), (450, 17424), (462, 17463), (470, 17490), (480, 17514), (529, 17643), (566, 17742), (598, 17844), (605, 17865), (608, 17877), (617, 17907), (640, 18006), (651, 18069), (678, 18159), (717, 18288), (725, 18321), (752, 18492), (778, 18603), (790, 18669), (794, 18690), (798, 18729), (800, 18759),

Gene: Hexamo_29 Start: 16689, Stop: 18905, Start Num: 76

Candidate Starts for Hexamo_29:

(64, 16644), (Start: 76 @16689 has 49 MA's), (Start: 107 @16800 has 1 MA's), (165, 16956), (210, 17103), (214, 17115), (251, 17262), (252, 17265), (258, 17298), (278, 17388), (290, 17457), (308, 17532), (341, 17700), (543, 17958), (559, 18003), (610, 18111), (638, 18174), (648, 18216), (678, 18315), (683, 18336), (700, 18378), (714, 18429), (722, 18456), (738, 18537), (750, 18627),

Gene: HippoHollow_27 Start: 18385, Stop: 20925, Start Num: 86

Candidate Starts for HippoHollow_27:

(Start: 86 @18385 has 90 MA's), (135, 18565), (137, 18568), (187, 18727), (190, 18736), (194, 18757), (197, 18766), (207, 18787), (217, 18820), (224, 18853), (259, 18994), (261, 19012), (272, 19045), (274, 19057), (275, 19060), (276, 19066), (279, 19087), (280, 19090), (296, 19177), (315, 19276), (325, 19318), (326, 19327), (328, 19336), (341, 19393), (358, 19459), (366, 19498), (458, 19798), (462, 19813), (464, 19819), (465, 19828), (469, 19849), (479, 19873), (489, 19894), (505, 19915),

(508, 19921), (518, 19954), (522, 19966), (525, 19975), (546, 20023), (582, 20116), (585, 20125), (596, 20152), (607, 20194), (613, 20215), (661, 20410), (707, 20488), (711, 20497), (736, 20560), (745, 20608), (750, 20638), (758, 20695), (768, 20722), (769, 20725), (789, 20815),

Gene: Holec_26 Start: 17594, Stop: 20503, Start Num: 31

Candidate Starts for Holec_26:

(Start: 31 @17594 has 33 MA's), (35, 17606), (47, 17666), (84, 17825), (98, 17888), (113, 17951), (124, 17993), (142, 18050), (151, 18089), (199, 18260), (203, 18266), (208, 18281), (232, 18371), (233, 18374), (237, 18386), (248, 18428), (258, 18482), (276, 18557), (279, 18578), (280, 18581), (282, 18599), (294, 18662), (311, 18728), (315, 18767), (322, 18794), (325, 18809), (332, 18839), (336, 18863), (339, 18875), (341, 18884), (358, 18950), (366, 18989), (386, 19055), (395, 19082), (403, 19109), (424, 19175), (437, 19220), (459, 19295), (469, 19340), (477, 19361), (488, 19382), (489, 19385), (504, 19403), (505, 19406), (516, 19433), (523, 19460), (546, 19514), (613, 19706), (618, 19721), (626, 19751), (638, 19802), (655, 19889), (657, 19898), (673, 19949), (701, 20012), (708, 20033), (717, 20069), (728, 20105), (729, 20111), (744, 20189), (749, 20216), (760, 20276), (780, 20345), (784, 20375), (792, 20402), (797, 20441), (801, 20483),

Gene: Holli_25 Start: 15675, Stop: 18275, Start Num: 74

Candidate Starts for Holli_25:

(Start: 74 @15675 has 124 MA's), (Start: 115 @15816 has 23 MA's), (Start: 121 @15834 has 10 MA's), (180, 16041), (189, 16080), (196, 16110), (229, 16227), (237, 16254), (252, 16317), (265, 16380), (276, 16425), (282, 16467), (299, 16551), (387, 16818), (415, 16869), (432, 16914), (460, 16992), (472, 17031), (545, 17199), (550, 17220), (558, 17244), (577, 17310), (592, 17364), (605, 17412), (624, 17478), (656, 17643), (662, 17661), (706, 17787), (756, 18039), (757, 18042), (760, 18051), (778, 18111), (796, 18207), (800, 18255),

Gene: Homines_24 Start: 16444, Stop: 19104, Start Num: 77

Candidate Starts for Homines_24:

(Start: 77 @16444 has 209 MA's), (90, 16483), (Start: 107 @16546 has 1 MA's), (110, 16552), (Start: 115 @16576 has 23 MA's), (128, 16618), (252, 16927), (265, 16990), (276, 17035), (281, 17059), (295, 17134), (298, 17146), (369, 17467), (467, 17797), (489, 17848), (497, 17875), (567, 18079), (603, 18193), (605, 18202), (612, 18223), (617, 18244), (640, 18343), (648, 18385), (649, 18388), (688, 18517), (714, 18601), (726, 18646), (778, 18928), (794, 19015), (798, 19054), (800, 19084),

Gene: Hookmount_26 Start: 16044, Stop: 19082, Start Num: 16

Candidate Starts for Hookmount_26:

(Start: 16 @16044 has 33 MA's), (46, 16218), (49, 16230), (54, 16263), (106, 16470), (112, 16491), (141, 16590), (142, 16593), (197, 16803), (207, 16824), (217, 16857), (233, 16920), (237, 16932), (245, 16965), (249, 16983), (253, 17004), (264, 17052), (267, 17058), (269, 17073), (272, 17082), (274, 17094), (276, 17103), (292, 17196), (315, 17313), (316, 17316), (323, 17343), (325, 17355), (336, 17409), (341, 17430), (358, 17496), (366, 17535), (411, 17676), (424, 17721), (452, 17811), (453, 17820), (462, 17850), (477, 17907), (484, 17922), (504, 17949), (505, 17952), (513, 17970), (553, 18081), (585, 18162), (604, 18219), (616, 18261), (640, 18357), (643, 18378), (647, 18402), (656, 18447), (662, 18465), (678, 18513), (681, 18525), (701, 18567), (704, 18579), (717, 18627), (751, 18798), (762, 18858), (768, 18870), (776, 18897), (780, 18918), (796, 19014), (800, 19062),

Gene: Hoot_29 Start: 16714, Stop: 18918, Start Num: 76

Candidate Starts for Hoot_29:

(42, 16555), (64, 16669), (Start: 76 @16714 has 49 MA's), (Start: 107 @16825 has 1 MA's), (110, 16831), (142, 16939), (165, 16981), (184, 17047), (214, 17140), (221, 17167), (252, 17290), (258, 17323), (278, 17413), (290, 17482), (341, 17725), (476, 17863), (543, 17983), (610, 18136), (638, 18199), (648, 18241), (678, 18340), (683, 18361), (690, 18382), (700, 18403), (714, 18454), (717, 18466), (722, 18481), (738, 18562), (750, 18640),

Gene: Hope4ever_24 Start: 16765, Stop: 19242, Start Num: 79

Candidate Starts for Hope4ever_24:

(Start: 79 @16765 has 8 MA's), (83, 16780), (Start: 115 @16894 has 23 MA's), (128, 16936), (223, 17143), (229, 17161), (252, 17251), (265, 17314), (272, 17338), (274, 17350), (282, 17401), (310, 17527), (393, 17785), (450, 17887), (462, 17926), (467, 17941), (470, 17953), (480, 17977), (529, 18106), (566, 18205), (598, 18307), (605, 18328), (617, 18370), (640, 18469), (651, 18532), (717, 18751), (725, 18784), (778, 19066), (790, 19132), (794, 19153), (798, 19192), (799, 19207),

Gene: HortumSL17_27 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for HortumSL17_27:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (84, 17821), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (339, 18871), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (546, 19510), (558, 19552), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: Houdini22_25 Start: 16030, Stop: 18489, Start Num: 115

Candidate Starts for Houdini22_25:

(Start: 74 @15889 has 124 MA's), (Start: 115 @16030 has 23 MA's), (Start: 121 @16048 has 10 MA's), (180, 16255), (189, 16294), (196, 16324), (229, 16441), (237, 16468), (252, 16531), (265, 16594), (276, 16639), (282, 16681), (299, 16765), (387, 17032), (415, 17083), (432, 17128), (460, 17206), (470, 17239), (472, 17245), (481, 17266), (545, 17413), (550, 17434), (558, 17458), (577, 17524), (592, 17578), (605, 17626), (624, 17692), (656, 17857), (662, 17875), (706, 18001), (756, 18253), (757, 18256), (760, 18265), (778, 18325), (796, 18421), (800, 18469),

Gene: Hutc2_26 Start: 17160, Stop: 19706, Start Num: 71

Candidate Starts for Hutc2_26:

(Start: 71 @17160 has 22 MA's), (Start: 78 @17178 has 2 MA's), (127, 17352), (Start: 129 @17361 has 1 MA's), (166, 17436), (189, 17490), (206, 17544), (211, 17559), (212, 17562), (217, 17580), (233, 17643), (237, 17655), (252, 17718), (265, 17781), (269, 17796), (272, 17805), (276, 17826), (280, 17850), (282, 17865), (300, 17952), (302, 17955), (307, 17970), (310, 17991), (312, 18003), (321, 18069), (335, 18141), (341, 18165), (371, 18246), (374, 18255), (378, 18267), (393, 18309), (422, 18366), (442, 18420), (481, 18528), (495, 18567), (546, 18708), (580, 18804), (589, 18825), (602, 18858), (613, 18891), (614, 18894), (639, 18978), (648, 19023), (649, 19026), (680, 19140), (690, 19173), (714, 19245), (724, 19281), (738, 19353), (750, 19431), (760, 19485), (769, 19509), (795, 19620),

Gene: Huxley_25 Start: 16090, Stop: 18549, Start Num: 115

Candidate Starts for Huxley_25:

(Start: 74 @15949 has 124 MA's), (Start: 115 @16090 has 23 MA's), (Start: 121 @16108 has 10 MA's), (180, 16315), (189, 16354), (196, 16384), (229, 16501), (237, 16528), (252, 16591), (265, 16654), (276, 16699), (282, 16741), (299, 16825), (387, 17092), (415, 17143), (432, 17188), (460, 17266), (470, 17299), (472, 17305), (481, 17326), (545, 17473), (550, 17494), (558, 17518), (577, 17584), (592, 17638), (605, 17686), (624, 17752), (656, 17917), (662, 17935), (706, 18061), (756, 18313), (757, 18316), (760, 18325), (778, 18385), (796, 18481), (800, 18529),

Gene: ICleared_25 Start: 16024, Stop: 18483, Start Num: 115

Candidate Starts for ICleared_25:

(Start: 74 @15883 has 124 MA's), (Start: 115 @16024 has 23 MA's), (Start: 121 @16042 has 10 MA's), (180, 16249), (189, 16288), (196, 16318), (229, 16435), (237, 16462), (252, 16525), (265, 16588), (276, 16633), (282, 16675), (299, 16759), (387, 17026), (415, 17077), (432, 17122), (460, 17200), (470, 17233), (472, 17239), (545, 17407), (550, 17428), (558, 17452), (577, 17518), (592, 17572), (605, 17620), (624, 17686), (656, 17851), (662, 17869), (706, 17995), (756, 18247), (757, 18250), (760, 18259), (778, 18319), (796, 18415), (800, 18463),

Gene: ILeeKay_26 Start: 16526, Stop: 19006, Start Num: 77

Candidate Starts for ILeeKay_26:

(Start: 77 @16526 has 209 MA's), (90, 16565), (Start: 107 @16628 has 1 MA's), (Start: 115 @16658 has 23 MA's), (128, 16700), (223, 16907), (229, 16925), (252, 17015), (265, 17078), (272, 17102), (274, 17114), (282, 17165), (393, 17549), (450, 17651), (462, 17690), (470, 17717), (480, 17741), (566, 17969), (598, 18071), (605, 18092), (608, 18104), (617, 18134), (640, 18233), (651, 18296), (717, 18515), (725, 18548), (778, 18830), (794, 18917), (798, 18956), (799, 18971),

Gene: Iceman_26 Start: 16174, Stop: 18774, Start Num: 74

Candidate Starts for Iceman_26:

(Start: 74 @16174 has 124 MA's), (Start: 115 @16315 has 23 MA's), (Start: 121 @16333 has 10 MA's), (180, 16540), (189, 16579), (196, 16609), (229, 16726), (237, 16753), (252, 16816), (265, 16879), (276, 16924), (282, 16966), (299, 17050), (387, 17317), (415, 17368), (432, 17413), (460, 17491), (470, 17524), (472, 17530), (521, 17626), (523, 17635), (545, 17698), (550, 17719), (559, 17746), (569, 17779), (576, 17803), (577, 17809), (592, 17863), (605, 17911), (624, 17977), (656, 18142), (662, 18160), (706, 18286), (756, 18538), (757, 18541), (760, 18550), (778, 18610), (796, 18706), (800, 18754),

Gene: Ichabod_25 Start: 16373, Stop: 19030, Start Num: 77

Candidate Starts for Ichabod_25:

(Start: 77 @16373 has 209 MA's), (83, 16388), (Start: 107 @16472 has 1 MA's), (110, 16478), (Start: 115 @16502 has 23 MA's), (128, 16544), (252, 16853), (265, 16916), (276, 16961), (281, 16985), (284, 17006), (295, 17060), (298, 17072), (369, 17393), (467, 17723), (489, 17774), (497, 17801), (567, 18005), (603, 18119), (605, 18128), (612, 18149), (617, 18170), (640, 18269), (648, 18311), (649, 18314), (688, 18443), (714, 18527), (726, 18572), (778, 18854), (794, 18941), (798, 18980), (800, 19010),

Gene: Idleandcovert_25 Start: 15495, Stop: 18530, Start Num: 16

Candidate Starts for Idleandcovert_25:

(Start: 16 @15495 has 33 MA's), (46, 15669), (49, 15681), (54, 15714), (106, 15924), (141, 16044), (142, 16047), (197, 16251), (207, 16272), (216, 16302), (217, 16305), (233, 16368), (237, 16380), (245, 16413), (249, 16431), (264, 16500), (267, 16506), (269, 16521), (272, 16530), (274, 16542), (276, 16551), (292, 16644), (315, 16761), (316, 16764), (322, 16788), (323, 16791), (325, 16803), (336, 16857), (341, 16878), (344, 16899), (358, 16944), (363, 16971), (366, 16983), (411, 17124), (424, 17169), (430, 17184), (452, 17259), (453, 17268), (462, 17298), (465, 17313), (466, 17316), (469, 17334), (477, 17355), (479, 17358), (504, 17397), (505, 17400), (538, 17484), (558, 17550), (569, 17571), (585, 17610), (600, 17649), (605, 17670), (613, 17700), (614, 17703), (617, 17712), (624, 17736), (640, 17805), (643, 17826), (656, 17895), (662, 17913), (678, 17961), (681, 17973), (701, 18015), (704, 18027), (717, 18075), (751, 18246), (754, 18276), (762, 18306), (770, 18327), (796, 18462), (800, 18510),

Gene: IgnatiusPatJac_23 Start: 16361, Stop: 18832, Start Num: 77

Candidate Starts for IgnatiusPatJac_23:

(Start: 77 @16361 has 209 MA's), (90, 16400), (Start: 107 @16463 has 1 MA's), (Start: 115 @16493 has 23 MA's), (Start: 121 @16514 has 10 MA's), (128, 16535), (133, 16547), (176, 16565), (201,

16655), (252, 16853), (258, 16886), (274, 16952), (321, 17207), (325, 17228), (331, 17255), (402, 17414), (428, 17450), (467, 17543), (473, 17564), (497, 17621), (543, 17741), (554, 17777), (566, 17807), (578, 17843), (598, 17909), (605, 17930), (640, 18071), (675, 18212), (683, 18233), (723, 18368), (752, 18545), (778, 18656), (790, 18722), (794, 18743), (798, 18782), (800, 18812),

Gene: Indra_29 Start: 16734, Stop: 18938, Start Num: 76

Candidate Starts for Indra_29:

(64, 16689), (Start: 76 @16734 has 49 MA's), (Start: 107 @16845 has 1 MA's), (165, 17001), (210, 17148), (214, 17160), (251, 17307), (252, 17310), (258, 17343), (278, 17433), (290, 17502), (308, 17577), (341, 17745), (543, 18003), (559, 18048), (610, 18156), (638, 18219), (648, 18261), (678, 18360), (683, 18381), (690, 18402), (700, 18423), (714, 18474), (717, 18486), (722, 18501), (738, 18582), (750, 18660),

Gene: Insomnia_26 Start: 17215, Stop: 19761, Start Num: 71

Candidate Starts for Insomnia_26:

(Start: 71 @17215 has 22 MA's), (Start: 78 @17233 has 2 MA's), (127, 17407), (Start: 129 @17416 has 1 MA's), (166, 17491), (189, 17545), (206, 17599), (211, 17614), (212, 17617), (217, 17635), (233, 17698), (237, 17710), (252, 17773), (265, 17836), (269, 17851), (272, 17860), (276, 17881), (280, 17905), (282, 17920), (300, 18007), (302, 18010), (307, 18025), (310, 18046), (312, 18058), (321, 18124), (335, 18196), (341, 18220), (371, 18301), (374, 18310), (378, 18322), (393, 18364), (422, 18421), (442, 18475), (481, 18583), (495, 18622), (546, 18763), (580, 18859), (589, 18880), (602, 18913), (613, 18946), (614, 18949), (639, 19033), (648, 19078), (649, 19081), (680, 19195), (690, 19228), (714, 19300), (724, 19336), (738, 19408), (750, 19486), (760, 19540), (769, 19564), (795, 19675),

Gene: Inyanga_23 Start: 16138, Stop: 18609, Start Num: 77

Candidate Starts for Inyanga_23:

(Start: 77 @16138 has 209 MA's), (90, 16177), (Start: 107 @16240 has 1 MA's), (Start: 115 @16270 has 23 MA's), (Start: 121 @16291 has 10 MA's), (128, 16312), (133, 16324), (176, 16342), (201, 16432), (252, 16630), (258, 16663), (274, 16729), (321, 16984), (325, 17005), (331, 17032), (402, 17191), (428, 17227), (467, 17320), (473, 17341), (497, 17398), (543, 17518), (554, 17554), (566, 17584), (578, 17620), (598, 17686), (605, 17707), (617, 17749), (640, 17848), (675, 17989), (683, 18010), (723, 18145), (752, 18322), (778, 18433), (790, 18499), (794, 18520), (798, 18559), (799, 18574),

Gene: Iqorha_23 Start: 16137, Stop: 18608, Start Num: 77

Candidate Starts for Iqorha_23:

(Start: 77 @16137 has 209 MA's), (90, 16176), (Start: 107 @16239 has 1 MA's), (Start: 115 @16269 has 23 MA's), (Start: 121 @16290 has 10 MA's), (128, 16311), (133, 16323), (176, 16341), (201, 16431), (252, 16629), (258, 16662), (274, 16728), (321, 16983), (325, 17004), (331, 17031), (402, 17190), (428, 17226), (467, 17319), (473, 17340), (497, 17397), (543, 17517), (554, 17553), (566, 17583), (578, 17619), (598, 17685), (605, 17706), (617, 17748), (640, 17847), (675, 17988), (683, 18009), (723, 18144), (752, 18321), (778, 18432), (790, 18498), (794, 18519), (798, 18558), (799, 18573),

Gene: Iracema64_26 Start: 16196, Stop: 18796, Start Num: 74

Candidate Starts for Iracema64_26:

(Start: 74 @16196 has 124 MA's), (Start: 115 @16337 has 23 MA's), (Start: 121 @16355 has 10 MA's), (164, 16511), (180, 16562), (196, 16631), (229, 16748), (237, 16775), (252, 16838), (276, 16946), (282, 16988), (299, 17072), (387, 17339), (415, 17390), (432, 17435), (460, 17513), (470, 17546), (472, 17552), (527, 17666), (545, 17720), (558, 17765), (576, 17825), (592, 17885), (624, 17999), (656, 18164), (662, 18182), (706, 18308), (756, 18560), (757, 18563), (760, 18572), (778, 18632), (796, 18728), (800, 18776),

Gene: IronMan_28 Start: 18329, Stop: 20707, Start Num: 114

Candidate Starts for IronMan_28:

(Start: 108 @18311 has 6 MA's), (Start: 114 @18329 has 5 MA's), (123, 18362), (126, 18368), (152, 18464), (162, 18506), (183, 18569), (184, 18572), (195, 18614), (213, 18662), (215, 18668), (217, 18677), (223, 18716), (234, 18752), (237, 18761), (252, 18824), (258, 18857), (269, 18902), (274, 18923), (276, 18932), (294, 19037), (322, 19178), (394, 19346), (396, 19352), (413, 19373), (415, 19376), (434, 19424), (436, 19430), (504, 19610), (579, 19820), (593, 19856), (612, 19907), (628, 19967), (634, 20000), (635, 20012), (643, 20045), (644, 20048), (682, 20186), (687, 20198), (705, 20240), (720, 20288), (722, 20294), (764, 20504),

Gene: Isca_25 Start: 15423, Stop: 18467, Start Num: 16

Candidate Starts for Isca_25:

(Start: 16 @15423 has 33 MA's), (46, 15597), (49, 15609), (106, 15852), (141, 15972), (142, 15975), (200, 16197), (217, 16242), (237, 16317), (245, 16350), (249, 16368), (252, 16380), (268, 16446), (274, 16479), (276, 16488), (282, 16530), (292, 16581), (315, 16698), (325, 16740), (336, 16794), (341, 16815), (353, 16872), (358, 16881), (393, 17007), (395, 17013), (403, 17040), (424, 17106), (430, 17121), (437, 17151), (438, 17154), (453, 17205), (457, 17217), (463, 17238), (465, 17250), (469, 17271), (484, 17307), (504, 17334), (517, 17367), (519, 17379), (538, 17421), (558, 17487), (585, 17547), (600, 17586), (613, 17637), (614, 17640), (617, 17649), (624, 17673), (640, 17742), (643, 17763), (656, 17832), (662, 17850), (678, 17898), (681, 17910), (701, 17952), (704, 17964), (717, 18012), (751, 18183), (762, 18243), (770, 18264), (796, 18399), (797, 18411), (800, 18447),

Gene: Isiphiwo_29 Start: 16726, Stop: 18930, Start Num: 76

Candidate Starts for Isiphiwo_29:

(Start: 76 @16726 has 49 MA's), (Start: 107 @16837 has 1 MA's), (110, 16843), (142, 16951), (165, 16993), (184, 17059), (214, 17152), (221, 17179), (252, 17302), (258, 17335), (278, 17425), (290, 17494), (341, 17737), (476, 17875), (543, 17995), (610, 18148), (638, 18211), (648, 18253), (678, 18352), (683, 18373), (690, 18394), (700, 18415), (714, 18466), (717, 18478), (722, 18493), (738, 18574), (750, 18652),

Gene: Iwokeuplikedis_27 Start: 16605, Stop: 18896, Start Num: 76

Candidate Starts for Iwokeuplikedis_27:

(64, 16563), (Start: 76 @16605 has 49 MA's), (82, 16623), (87, 16635), (111, 16656), (112, 16662), (142, 16758), (165, 16800), (183, 16863), (196, 16911), (205, 16932), (214, 16959), (237, 17046), (243, 17073), (252, 17109), (258, 17142), (263, 17166), (269, 17187), (272, 17196), (276, 17217), (280, 17241), (282, 17259), (323, 17457), (338, 17529), (339, 17535), (341, 17544), (351, 17592), (355, 17601), (400, 17667), (442, 17724), (531, 17913), (539, 17925), (550, 17958), (571, 18003), (583, 18054), (606, 18114), (610, 18120), (638, 18183), (678, 18324), (683, 18345), (690, 18366), (694, 18375), (700, 18387), (706, 18411), (724, 18474), (769, 18693),

Gene: JC27_26 Start: 17262, Stop: 19742, Start Num: 77

Candidate Starts for JC27_26:

(Start: 77 @17262 has 209 MA's), (90, 17301), (100, 17346), (Start: 107 @17364 has 1 MA's), (110, 17370), (Start: 115 @17394 has 23 MA's), (128, 17436), (223, 17643), (229, 17661), (252, 17751), (265, 17814), (274, 17850), (282, 17901), (393, 18285), (450, 18387), (462, 18426), (467, 18441), (470, 18453), (480, 18477), (566, 18705), (598, 18807), (605, 18828), (617, 18870), (640, 18969), (651, 19032), (717, 19251), (725, 19284), (778, 19566), (790, 19632), (794, 19653), (798, 19692), (799, 19707),

Gene: JF2_25 Start: 15174, Stop: 18218, Start Num: 16

Candidate Starts for JF2_25:

(Start: 16 @15174 has 33 MA's), (46, 15348), (49, 15360), (106, 15603), (141, 15723), (142, 15726), (200, 15948), (217, 15993), (237, 16068), (245, 16101), (249, 16119), (252, 16131), (268, 16197), (274, 16230), (276, 16239), (282, 16281), (292, 16332), (315, 16449), (325, 16491), (336, 16545), (341, 16566), (353, 16623), (358, 16632), (393, 16758), (395, 16764), (403, 16791), (424, 16857), (430, 16872), (437, 16902), (438, 16905), (453, 16956), (457, 16968), (463, 16989), (465, 17001), (469, 17022), (484, 17058), (504, 17085), (517, 17118), (519, 17130), (538, 17172), (558, 17238), (585, 17298), (600, 17337), (613, 17388), (614, 17391), (617, 17400), (624, 17424), (640, 17493), (643, 17514), (656, 17583), (662, 17601), (678, 17649), (681, 17661), (701, 17703), (704, 17715), (717, 17763), (751, 17934), (762, 17994), (770, 18015), (796, 18150), (797, 18162), (800, 18198),

Gene: JF4_25 Start: 15174, Stop: 18218, Start Num: 16

Candidate Starts for JF4_25:

(Start: 16 @15174 has 33 MA's), (46, 15348), (49, 15360), (106, 15603), (141, 15723), (142, 15726), (200, 15948), (217, 15993), (237, 16068), (245, 16101), (249, 16119), (252, 16131), (268, 16197), (274, 16230), (276, 16239), (282, 16281), (292, 16332), (315, 16449), (325, 16491), (336, 16545), (341, 16566), (353, 16623), (358, 16632), (393, 16758), (395, 16764), (403, 16791), (424, 16857), (430, 16872), (437, 16902), (438, 16905), (453, 16956), (457, 16968), (463, 16989), (465, 17001), (469, 17022), (484, 17058), (504, 17085), (517, 17118), (519, 17130), (538, 17172), (558, 17238), (585, 17298), (600, 17337), (613, 17388), (614, 17391), (617, 17400), (624, 17424), (640, 17493), (643, 17514), (656, 17583), (662, 17601), (678, 17649), (681, 17661), (701, 17703), (704, 17715), (717, 17763), (751, 17934), (762, 17994), (770, 18015), (796, 18150), (797, 18162), (800, 18198),

Gene: JHC117_27 Start: 15977, Stop: 19003, Start Num: 17

Candidate Starts for JHC117_27:

(11, 15923), (Start: 17 @15977 has 84 MA's), (36, 16091), (48, 16157), (49, 16160), (51, 16169), (60, 16205), (69, 16256), (93, 16328), (106, 16400), (141, 16520), (142, 16523), (158, 16592), (170, 16637), (197, 16730), (203, 16739), (209, 16757), (217, 16784), (233, 16847), (237, 16859), (245, 16892), (249, 16910), (261, 16976), (264, 16979), (267, 16985), (269, 17000), (272, 17009), (274, 17021), (276, 17030), (288, 17108), (292, 17123), (315, 17240), (316, 17243), (323, 17270), (325, 17282), (336, 17336), (341, 17357), (358, 17423), (366, 17462), (395, 17555), (411, 17603), (424, 17648), (438, 17696), (452, 17738), (453, 17747), (462, 17777), (463, 17780), (465, 17792), (484, 17849), (488, 17855), (504, 17876), (505, 17879), (555, 18017), (558, 18029), (585, 18089), (604, 18146), (640, 18284), (643, 18305), (647, 18329), (656, 18374), (662, 18392), (678, 18440), (681, 18452), (701, 18494), (718, 18557), (734, 18614), (744, 18683), (751, 18719), (770, 18800), (796, 18935),

Gene: JSwag_28 Start: 15741, Stop: 18095, Start Num: 72

Candidate Starts for JSwag_28:

(Start: 68 @15732 has 1 MA's), (Start: 72 @15741 has 4 MA's), (Start: 120 @15909 has 17 MA's), (208, 16149), (210, 16155), (228, 16224), (243, 16281), (276, 16425), (282, 16467), (291, 16515), (292, 16518), (314, 16629), (317, 16647), (341, 16752), (351, 16800), (425, 16905), (447, 16965), (468, 17019), (487, 17055), (498, 17079), (502, 17088), (526, 17151), (537, 17172), (542, 17187), (552, 17211), (556, 17223), (584, 17277), (592, 17298), (605, 17328), (659, 17499), (667, 17520), (700, 17604), (770, 17907), (796, 18030), (797, 18042),

Gene: Jaan_29 Start: 18718, Stop: 21096, Start Num: 114

Candidate Starts for Jaan_29:

(Start: 108 @18700 has 6 MA's), (Start: 114 @18718 has 5 MA's), (123, 18751), (126, 18757), (152, 18853), (162, 18895), (213, 19051), (217, 19066), (222, 19096), (223, 19105), (234, 19141), (237, 19150), (252, 19213), (258, 19246), (269, 19291), (274, 19312), (276, 19321), (294, 19426), (322, 19567), (394, 19735), (396, 19741), (434, 19813), (494, 19981), (504, 19999), (559, 20155), (579, 20209), (593, 20245), (612, 20296), (628, 20356), (634, 20389), (635, 20401), (643, 20434), (644, 20437), (682, 20575), (687, 20587), (705, 20629), (718, 20665), (720, 20677), (722, 20683), (764,

20893),

Gene: Jabiru_22 Start: 15139, Stop: 17952, Start Num: 4

Candidate Starts for Jabiru_22:

(Start: 4 @15139 has 8 MA's), (24, 15328), (98, 15676), (136, 15811), (138, 15817), (159, 15910), (176, 15961), (184, 15997), (213, 16087), (227, 16153), (233, 16174), (252, 16249), (258, 16282), (272, 16336), (277, 16369), (278, 16372), (280, 16381), (299, 16480), (308, 16513), (334, 16642), (418, 16807), (431, 16840), (445, 16873), (471, 16954), (475, 16966), (493, 16999), (549, 17077), (552, 17086), (599, 17152), (601, 17161), (629, 17224), (635, 17266), (654, 17338), (663, 17365), (668, 17380), (675, 17407), (687, 17428), (719, 17515), (731, 17545), (742, 17608), (756, 17707), (760, 17719), (763, 17731), (766, 17740), (796, 17887),

Gene: Jabith_26 Start: 17215, Stop: 19761, Start Num: 71

Candidate Starts for Jabith_26:

(Start: 71 @17215 has 22 MA's), (Start: 78 @17233 has 2 MA's), (127, 17407), (Start: 129 @17416 has 1 MA's), (166, 17491), (189, 17545), (206, 17599), (211, 17614), (212, 17617), (217, 17635), (233, 17698), (237, 17710), (252, 17773), (265, 17836), (269, 17851), (272, 17860), (276, 17881), (280, 17905), (282, 17920), (300, 18007), (302, 18010), (307, 18025), (310, 18046), (312, 18058), (321, 18124), (335, 18196), (341, 18220), (371, 18301), (374, 18310), (378, 18322), (393, 18364), (422, 18421), (442, 18475), (481, 18583), (495, 18622), (546, 18763), (580, 18859), (589, 18880), (602, 18913), (613, 18946), (614, 18949), (639, 19033), (648, 19078), (649, 19081), (680, 19195), (690, 19228), (714, 19300), (724, 19336), (738, 19408), (750, 19486), (760, 19540), (769, 19564), (795, 19675),

Gene: JackSparrow_25 Start: 16702, Stop: 19182, Start Num: 77

Candidate Starts for JackSparrow_25:

(Start: 77 @16702 has 209 MA's), (90, 16741), (Start: 107 @16804 has 1 MA's), (Start: 115 @16834 has 23 MA's), (128, 16876), (223, 17083), (229, 17101), (252, 17191), (265, 17254), (272, 17278), (274, 17290), (282, 17341), (393, 17725), (450, 17827), (462, 17866), (470, 17893), (480, 17917), (529, 18046), (566, 18145), (598, 18247), (605, 18268), (608, 18280), (617, 18310), (640, 18409), (651, 18472), (717, 18691), (725, 18724), (752, 18895), (778, 19006), (790, 19072), (794, 19093), (798, 19132), (800, 19162),

Gene: Jasper_25 Start: 16203, Stop: 18683, Start Num: 77

Candidate Starts for Jasper_25:

(Start: 77 @16203 has 209 MA's), (90, 16242), (Start: 107 @16305 has 1 MA's), (Start: 115 @16335 has 23 MA's), (128, 16377), (223, 16584), (229, 16602), (252, 16692), (265, 16755), (272, 16779), (274, 16791), (282, 16842), (393, 17226), (450, 17328), (462, 17367), (470, 17394), (480, 17418), (529, 17547), (566, 17646), (598, 17748), (605, 17769), (608, 17781), (617, 17811), (639, 17907), (640, 17910), (651, 17973), (717, 18192), (725, 18225), (778, 18507), (794, 18594), (798, 18633),

Gene: Jaykayelowell_25 Start: 15881, Stop: 18481, Start Num: 74

Candidate Starts for Jaykayelowell_25:

(Start: 74 @15881 has 124 MA's), (Start: 115 @16022 has 23 MA's), (Start: 121 @16040 has 10 MA's), (180, 16247), (189, 16286), (196, 16316), (229, 16433), (237, 16460), (252, 16523), (265, 16586), (276, 16631), (282, 16673), (299, 16757), (387, 17024), (415, 17075), (432, 17120), (460, 17198), (470, 17231), (472, 17237), (521, 17333), (523, 17342), (545, 17405), (550, 17426), (559, 17453), (576, 17510), (577, 17516), (592, 17570), (605, 17618), (624, 17684), (656, 17849), (662, 17867), (706, 17993), (756, 18245), (757, 18248), (760, 18257), (778, 18317), (796, 18413), (800, 18461),

Gene: Jeeves_25 Start: 15770, Stop: 18166, Start Num: 114

Candidate Starts for Jeeves_25:

(Start: 107 @15749 has 1 MA's), (Start: 114 @15770 has 5 MA's), (152, 15905), (162, 15947), (176, 15989), (180, 16001), (213, 16115), (223, 16169), (237, 16214), (252, 16277), (258, 16310), (279, 16406), (322, 16631), (391, 16790), (415, 16829), (420, 16844), (434, 16883), (504, 17069), (593, 17315), (612, 17366), (628, 17426), (634, 17459), (635, 17471), (643, 17504), (673, 17627), (682, 17645), (687, 17657), (697, 17681), (718, 17735), (720, 17747), (743, 17852), (751, 17894), (764, 17963), (784, 18038), (797, 18104), (800, 18140),

Gene: Jeffabunny_29 Start: 16741, Stop: 18957, Start Num: 76

Candidate Starts for Jeffabunny_29:

(64, 16696), (Start: 76 @16741 has 49 MA's), (Start: 107 @16852 has 1 MA's), (165, 17008), (210, 17155), (214, 17167), (251, 17314), (252, 17317), (258, 17350), (278, 17440), (290, 17509), (308, 17584), (341, 17752), (543, 18010), (559, 18055), (610, 18163), (638, 18226), (648, 18268), (678, 18367), (683, 18388), (700, 18430), (714, 18481), (722, 18508), (738, 18589), (750, 18679),

Gene: JenCasNa_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for JenCasNa_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: JeppNRM_28 Start: 16055, Stop: 19081, Start Num: 17

Candidate Starts for JeppNRM_28:

(11, 16001), (Start: 17 @16055 has 84 MA's), (36, 16169), (48, 16235), (49, 16238), (51, 16247), (60, 16283), (69, 16334), (93, 16406), (106, 16478), (141, 16598), (142, 16601), (170, 16715), (197, 16808), (203, 16817), (217, 16862), (226, 16901), (233, 16925), (237, 16937), (245, 16970), (249, 16988), (253, 17009), (264, 17057), (267, 17063), (269, 17078), (272, 17087), (274, 17099), (276, 17108), (292, 17201), (312, 17288), (315, 17318), (316, 17321), (323, 17348), (325, 17360), (336, 17414), (341, 17435), (346, 17465), (358, 17501), (393, 17627), (411, 17681), (424, 17726), (438, 17774), (452, 17816), (453, 17825), (462, 17855), (484, 17927), (488, 17933), (504, 17954), (505, 17957), (512, 17969), (553, 18086), (555, 18095), (585, 18167), (587, 18170), (600, 18206), (605, 18227), (613, 18257), (614, 18260), (617, 18269), (656, 18452), (678, 18518), (681, 18530), (701, 18572), (718, 18635), (734, 18692), (744, 18761), (751, 18797), (770, 18878), (796, 19013), (797, 19025),

Gene: Jerm_28 Start: 17056, Stop: 19599, Start Num: 86

Candidate Starts for Jerm_28:

(Start: 86 @17056 has 90 MA's), (135, 17236), (137, 17239), (147, 17269), (188, 17407), (190, 17413), (194, 17434), (197, 17443), (203, 17452), (207, 17464), (220, 17509), (224, 17530), (232, 17557), (237, 17572), (249, 17623), (258, 17668), (259, 17671), (261, 17689), (272, 17722), (274, 17734), (276, 17743), (279, 17764), (280, 17767), (315, 17953), (325, 17995), (326, 18004), (328, 18013), (341, 18070), (358, 18136), (366, 18175), (395, 18268), (407, 18304), (424, 18361), (444, 18427), (453, 18460), (458, 18475), (459, 18481), (462, 18490), (465, 18505), (469, 18526), (477, 18547), (488, 18568), (489, 18571), (504, 18589), (505, 18592), (522, 18643), (525, 18652), (546, 18700), (551, 18718), (558, 18742), (585, 18802), (596, 18829), (613, 18892), (626, 18937), (655, 19075), (707, 19165), (711, 19174), (728, 19198), (745, 19285), (750, 19315), (769, 19399),

Gene: Jerm2_25 Start: 16571, Stop: 19051, Start Num: 77

Candidate Starts for Jerm2_25:

(Start: 77 @16571 has 209 MA's), (90, 16610), (Start: 107 @16673 has 1 MA's), (Start: 115 @16703 has 23 MA's), (128, 16745), (223, 16952), (229, 16970), (252, 17060), (265, 17123), (272, 17147), (274, 17159), (282, 17210), (393, 17594), (450, 17696), (462, 17735), (467, 17750), (470, 17762), (480, 17786), (529, 17915), (566, 18014), (598, 18116), (605, 18137), (617, 18179), (640, 18278), (651, 18341), (678, 18431), (717, 18560), (725, 18593), (778, 18875), (790, 18941), (794, 18962), (798, 19001), (799, 19016),

Gene: JetBlade_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for JetBlade_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (527, 17352), (545, 17406), (558, 17451), (576, 17511), (579, 17529), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: JewelBug_29 Start: 16740, Stop: 18944, Start Num: 76

Candidate Starts for JewelBug_29:

(42, 16581), (64, 16695), (Start: 76 @16740 has 49 MA's), (Start: 107 @16851 has 1 MA's), (110, 16857), (142, 16965), (165, 17007), (184, 17073), (214, 17166), (221, 17193), (252, 17316), (258, 17349), (278, 17439), (290, 17508), (341, 17751), (476, 17889), (543, 18009), (610, 18162), (638, 18225), (648, 18267), (678, 18366), (683, 18387), (690, 18408), (700, 18429), (714, 18480), (717, 18492), (722, 18507), (738, 18588), (750, 18666),

Gene: Jiawan_26 Start: 17626, Stop: 20535, Start Num: 31

Candidate Starts for Jiawan_26:

(Start: 31 @17626 has 33 MA's), (35, 17638), (47, 17698), (84, 17857), (98, 17920), (113, 17983), (124, 18025), (142, 18082), (151, 18121), (199, 18292), (203, 18298), (208, 18313), (232, 18403), (233, 18406), (237, 18418), (248, 18460), (258, 18514), (276, 18589), (279, 18610), (280, 18613), (282, 18631), (294, 18694), (311, 18760), (315, 18799), (322, 18826), (325, 18841), (332, 18871), (336, 18895), (339, 18907), (341, 18916), (358, 18982), (366, 19021), (386, 19087), (395, 19114), (403, 19141), (424, 19207), (437, 19252), (459, 19327), (469, 19372), (477, 19393), (488, 19414), (489, 19417), (504, 19435), (505, 19438), (516, 19465), (546, 19546), (613, 19738), (618, 19753), (626, 19783), (638, 19834), (655, 19921), (657, 19930), (673, 19981), (701, 20044), (708, 20065), (717, 20101), (728, 20137), (729, 20143), (744, 20221), (749, 20248), (760, 20308), (780, 20377), (784, 20407), (792, 20434), (797, 20473), (801, 20515),

Gene: Jobu08_27 Start: 16051, Stop: 19077, Start Num: 17

Candidate Starts for Jobu08_27:

(11, 15997), (Start: 17 @16051 has 84 MA's), (36, 16165), (48, 16231), (49, 16234), (51, 16243), (60, 16279), (69, 16330), (93, 16402), (106, 16474), (141, 16594), (142, 16597), (158, 16666), (170, 16711), (197, 16804), (203, 16813), (217, 16858), (233, 16921), (237, 16933), (245, 16966), (249, 16984), (261, 17050), (264, 17053), (267, 17059), (269, 17074), (272, 17083), (274, 17095), (276, 17104), (292, 17197), (312, 17284), (315, 17314), (316, 17317), (323, 17344), (325, 17356), (336, 17410), (341, 17431), (346, 17461), (358, 17497), (411, 17677), (424, 17722), (438, 17770), (452, 17812), (453, 17821), (462, 17851), (484, 17923), (504, 17950), (505, 17953), (512, 17965), (553, 18082), (555, 18091), (558, 18103), (585, 18163), (605, 18223), (613, 18253), (614, 18256), (617, 18265), (640, 18358), (656, 18448), (678, 18514), (681, 18526), (701, 18568), (718, 18631), (734, 18688), (744, 18757), (751, 18793), (770, 18874), (796, 19009),

Gene: JoongJeon_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for JoongJeon_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Jordennis_29 Start: 16725, Stop: 18929, Start Num: 76

Candidate Starts for Jordennis_29:

(42, 16566), (64, 16680), (Start: 76 @16725 has 49 MA's), (Start: 107 @16836 has 1 MA's), (142, 16950), (165, 16992), (202, 17115), (214, 17151), (221, 17178), (252, 17301), (258, 17334), (278, 17424), (290, 17493), (341, 17736), (476, 17874), (543, 17994), (610, 18147), (638, 18210), (648, 18252), (678, 18351), (683, 18372), (690, 18393), (700, 18414), (714, 18465), (717, 18477), (722, 18492), (738, 18573), (750, 18651),

Gene: Jorgensen_24 Start: 16158, Stop: 18737, Start Num: 77

Candidate Starts for Jorgensen_24:

(Start: 77 @16158 has 209 MA's), (90, 16197), (Start: 107 @16260 has 1 MA's), (Start: 115 @16290 has 23 MA's), (176, 16374), (224, 16545), (265, 16713), (276, 16758), (280, 16782), (282, 16800), (344, 17112), (409, 17268), (446, 17370), (455, 17403), (481, 17475), (497, 17514), (529, 17601), (566, 17700), (598, 17802), (605, 17823), (608, 17835), (617, 17865), (640, 17964), (651, 18027), (717, 18246), (725, 18279), (752, 18450), (778, 18561), (790, 18627), (794, 18648), (798, 18687), (799, 18702),

Gene: Joselito_26 Start: 17163, Stop: 19709, Start Num: 71

Candidate Starts for Joselito_26:

(Start: 71 @17163 has 22 MA's), (Start: 78 @17181 has 2 MA's), (127, 17355), (Start: 129 @17364 has 1 MA's), (166, 17439), (189, 17493), (206, 17547), (211, 17562), (212, 17565), (217, 17583), (233, 17646), (237, 17658), (252, 17721), (265, 17784), (269, 17799), (272, 17808), (276, 17829), (280, 17853), (282, 17868), (300, 17955), (302, 17958), (307, 17973), (310, 17994), (312, 18006), (321, 18072), (334, 18135), (335, 18144), (341, 18168), (371, 18249), (374, 18258), (378, 18270), (393, 18312), (422, 18369), (442, 18423), (481, 18531), (495, 18570), (546, 18711), (580, 18807), (589, 18828), (602, 18861), (613, 18894), (614, 18897), (639, 18981), (648, 19026), (649, 19029), (680, 19143), (690, 19176), (724, 19284), (738, 19356), (750, 19434), (760, 19488), (769, 19512), (795, 19623),

Gene: JoshKayV_28 Start: 17026, Stop: 19569, Start Num: 86

Candidate Starts for JoshKayV_28:

(Start: 86 @17026 has 90 MA's), (134, 17203), (135, 17206), (137, 17209), (147, 17239), (190, 17383), (194, 17404), (197, 17413), (207, 17434), (217, 17467), (224, 17500), (249, 17593), (258, 17638), (259, 17641), (261, 17659), (272, 17692), (274, 17704), (276, 17713), (279, 17734), (280, 17737), (315, 17923), (325, 17965), (326, 17974), (328, 17983), (341, 18040), (358, 18106), (366, 18145), (414, 18298), (459, 18451), (462, 18460), (464, 18466), (465, 18475), (469, 18496), (479, 18520), (489, 18541), (505, 18562), (518, 18601), (522, 18613), (558, 18712), (585, 18772), (596, 18799), (613, 18862), (626, 18907), (637, 18955), (655, 19045), (661, 19057), (703, 19126), (707, 19135), (711, 19144), (745, 19255), (750, 19285), (769, 19369),

Gene: Journey13_24 Start: 15775, Stop: 18291, Start Num: 86

Candidate Starts for Journey13_24:

(Start: 86 @15775 has 90 MA's), (Start: 114 @15886 has 5 MA's), (134, 15952), (135, 15955), (182, 16072), (203, 16156), (206, 16165), (217, 16201), (237, 16276), (249, 16327), (260, 16384), (264,

16396), (267, 16402), (268, 16405), (269, 16417), (274, 16438), (276, 16447), (294, 16552), (297, 16561), (304, 16585), (310, 16615), (315, 16657), (336, 16753), (341, 16774), (350, 16819), (358, 16840), (401, 16990), (419, 17047), (424, 17065), (430, 17080), (435, 17107), (438, 17113), (453, 17164), (459, 17185), (464, 17200), (465, 17209), (469, 17230), (488, 17272), (505, 17296), (518, 17335), (525, 17356), (528, 17362), (555, 17434), (585, 17506), (587, 17509), (596, 17533), (604, 17563), (613, 17596), (630, 17653), (637, 17689), (647, 17737), (661, 17791), (690, 17830), (695, 17842), (703, 17857), (707, 17866), (711, 17875), (739, 17956), (745, 17986), (750, 18016), (769, 18094),

Gene: Jsquared_25 Start: 15543, Stop: 18056, Start Num: 86

Candidate Starts for Jsquared_25:

(Start: 86 @15543 has 90 MA's), (Start: 114 @15654 has 5 MA's), (134, 15720), (135, 15723), (137, 15726), (194, 15912), (197, 15921), (203, 15930), (237, 16050), (249, 16101), (260, 16158), (264, 16170), (267, 16176), (269, 16191), (274, 16212), (276, 16221), (283, 16269), (315, 16431), (323, 16461), (325, 16473), (333, 16512), (336, 16527), (341, 16548), (353, 16605), (358, 16614), (363, 16641), (393, 16740), (424, 16839), (430, 16854), (438, 16887), (448, 16917), (453, 16938), (459, 16959), (469, 17004), (504, 17067), (505, 17070), (518, 17109), (522, 17121), (528, 17136), (558, 17220), (585, 17280), (596, 17307), (613, 17370), (618, 17385), (626, 17415), (647, 17511), (664, 17577), (707, 17640), (760, 17835), (761, 17838), (769, 17859),

Gene: JuliaChild_26 Start: 16832, Stop: 19303, Start Num: 77

Candidate Starts for JuliaChild_26:

(Start: 77 @16832 has 209 MA's), (90, 16871), (Start: 107 @16934 has 1 MA's), (Start: 115 @16964 has 23 MA's), (Start: 121 @16985 has 10 MA's), (128, 17006), (133, 17018), (176, 17036), (201, 17126), (252, 17324), (258, 17357), (274, 17423), (321, 17678), (325, 17699), (331, 17726), (402, 17885), (428, 17921), (467, 18014), (473, 18035), (497, 18092), (543, 18212), (554, 18248), (566, 18278), (578, 18314), (598, 18380), (605, 18401), (640, 18542), (675, 18683), (683, 18704), (723, 18839), (752, 19016), (778, 19127), (790, 19193), (794, 19214), (798, 19253), (799, 19268),

Gene: KADY_28 Start: 16063, Stop: 19089, Start Num: 17

Candidate Starts for KADY_28:

(11, 16009), (Start: 17 @16063 has 84 MA's), (36, 16177), (48, 16243), (49, 16246), (51, 16255), (60, 16291), (69, 16342), (93, 16414), (106, 16486), (141, 16606), (142, 16609), (158, 16678), (170, 16723), (197, 16816), (203, 16825), (209, 16843), (217, 16870), (233, 16933), (237, 16945), (245, 16978), (249, 16996), (261, 17062), (264, 17065), (267, 17071), (269, 17086), (272, 17095), (274, 17107), (276, 17116), (288, 17194), (292, 17209), (315, 17326), (316, 17329), (323, 17356), (325, 17368), (336, 17422), (341, 17443), (358, 17509), (366, 17548), (395, 17641), (411, 17689), (424, 17734), (438, 17782), (452, 17824), (453, 17833), (462, 17863), (463, 17866), (465, 17878), (484, 17935), (488, 17941), (504, 17962), (505, 17965), (555, 18103), (558, 18115), (585, 18175), (604, 18232), (640, 18370), (643, 18391), (647, 18415), (656, 18460), (662, 18478), (678, 18526), (681, 18538), (701, 18580), (718, 18643), (734, 18700), (744, 18769), (751, 18805), (770, 18886), (796, 19021),

Gene: KBG_25 Start: 17265, Stop: 19736, Start Num: 77

Candidate Starts for KBG_25:

(Start: 77 @17265 has 209 MA's), (90, 17304), (Start: 107 @17367 has 1 MA's), (Start: 115 @17397 has 23 MA's), (Start: 121 @17418 has 10 MA's), (128, 17439), (176, 17469), (182, 17493), (201, 17559), (252, 17757), (258, 17790), (274, 17856), (321, 18111), (325, 18132), (331, 18159), (402, 18318), (428, 18354), (467, 18447), (473, 18468), (480, 18483), (491, 18504), (493, 18507), (518, 18576), (529, 18612), (543, 18645), (554, 18681), (566, 18711), (578, 18747), (598, 18813), (605, 18834), (640, 18975), (675, 19116), (683, 19137), (723, 19272), (752, 19449), (778, 19560), (790, 19626), (794, 19647), (798, 19686), (799, 19701),

Gene: KFPoly_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for KFPoly_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: KSSJEB_24 Start: 16162, Stop: 18630, Start Num: 77

Candidate Starts for KSSJEB_24:

(Start: 77 @16162 has 209 MA's), (83, 16177), (Start: 115 @16291 has 23 MA's), (Start: 121 @16312 has 10 MA's), (128, 16333), (176, 16363), (182, 16387), (187, 16408), (201, 16453), (252, 16651), (258, 16684), (274, 16750), (321, 17005), (325, 17026), (331, 17053), (402, 17212), (428, 17248), (467, 17341), (473, 17362), (480, 17377), (491, 17398), (493, 17401), (518, 17470), (529, 17506), (543, 17539), (554, 17575), (566, 17605), (578, 17641), (598, 17707), (605, 17728), (617, 17770), (640, 17869), (675, 18010), (683, 18031), (723, 18166), (752, 18343), (778, 18454), (794, 18541), (798, 18580), (800, 18610),

Gene: Kachowdy_25 Start: 15548, Stop: 18586, Start Num: 16

Candidate Starts for Kachowdy_25:

(Start: 16 @15548 has 33 MA's), (46, 15722), (49, 15734), (54, 15767), (106, 15977), (142, 16100), (148, 16121), (197, 16307), (207, 16328), (217, 16361), (233, 16424), (237, 16436), (245, 16469), (249, 16487), (264, 16556), (267, 16562), (269, 16577), (272, 16586), (274, 16598), (276, 16607), (292, 16700), (315, 16817), (316, 16820), (323, 16847), (325, 16859), (336, 16913), (341, 16934), (344, 16955), (358, 17000), (366, 17039), (395, 17132), (411, 17180), (424, 17225), (430, 17240), (452, 17315), (453, 17324), (457, 17336), (462, 17354), (465, 17369), (484, 17426), (504, 17453), (505, 17456), (514, 17477), (558, 17606), (569, 17627), (585, 17666), (600, 17705), (605, 17726), (613, 17756), (614, 17759), (617, 17768), (624, 17792), (640, 17861), (643, 17882), (656, 17951), (662, 17969), (678, 18017), (681, 18029), (701, 18071), (704, 18083), (717, 18131), (751, 18302), (754, 18332), (762, 18362), (770, 18383), (796, 18518), (797, 18530), (800, 18566),

Gene: Kalb97_28 Start: 16056, Stop: 19082, Start Num: 17

Candidate Starts for Kalb97_28:

(11, 16002), (Start: 17 @16056 has 84 MA's), (36, 16170), (48, 16236), (49, 16239), (51, 16248), (60, 16284), (69, 16335), (93, 16407), (106, 16479), (141, 16599), (142, 16602), (158, 16671), (170, 16716), (197, 16809), (203, 16818), (217, 16863), (226, 16902), (233, 16926), (237, 16938), (245, 16971), (249, 16989), (253, 17010), (264, 17058), (267, 17064), (269, 17079), (272, 17088), (274, 17100), (276, 17109), (292, 17202), (312, 17289), (315, 17319), (316, 17322), (323, 17349), (325, 17361), (336, 17415), (341, 17436), (346, 17466), (358, 17502), (393, 17628), (411, 17682), (424, 17727), (438, 17775), (452, 17817), (453, 17826), (462, 17856), (484, 17928), (488, 17934), (504, 17955), (505, 17958), (512, 17970), (553, 18087), (555, 18096), (585, 18168), (587, 18171), (600, 18207), (613, 18258), (614, 18261), (617, 18270), (656, 18453), (678, 18519), (681, 18531), (701, 18573), (718, 18636), (734, 18693), (744, 18762), (751, 18798), (770, 18879), (796, 19014), (797, 19026),

Gene: Kalnoky_28 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Kalnoky_28:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325,

17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: Kalpine_29 Start: 18405, Stop: 20942, Start Num: 86

Candidate Starts for Kalpine_29:

(Start: 86 @18405 has 90 MA's), (Start: 114 @18516 has 5 MA's), (135, 18585), (188, 18750), (190, 18756), (194, 18777), (197, 18786), (215, 18831), (217, 18840), (224, 18873), (232, 18900), (237, 18915), (248, 18957), (249, 18966), (259, 19014), (261, 19032), (269, 19056), (272, 19065), (276, 19086), (279, 19107), (280, 19110), (315, 19296), (325, 19338), (328, 19356), (339, 19404), (341, 19413), (358, 19479), (366, 19518), (408, 19650), (424, 19704), (438, 19752), (459, 19824), (464, 19839), (469, 19869), (489, 19914), (505, 19935), (518, 19974), (528, 20001), (546, 20043), (558, 20085), (585, 20145), (596, 20172), (613, 20235), (626, 20280), (630, 20292), (703, 20499), (707, 20508), (711, 20517), (745, 20628), (750, 20658), (768, 20739), (769, 20742),

Gene: Kamy_25 Start: 15883, Stop: 18483, Start Num: 74

Candidate Starts for Kamy_25:

(Start: 74 @15883 has 124 MA's), (Start: 115 @16024 has 23 MA's), (Start: 121 @16042 has 10 MA's), (180, 16249), (189, 16288), (196, 16318), (229, 16435), (237, 16462), (252, 16525), (265, 16588), (276, 16633), (282, 16675), (299, 16759), (387, 17026), (415, 17077), (432, 17122), (460, 17200), (472, 17239), (481, 17260), (545, 17407), (550, 17428), (558, 17452), (577, 17518), (592, 17572), (605, 17620), (624, 17686), (656, 17851), (662, 17869), (706, 17995), (756, 18247), (757, 18250), (760, 18259), (778, 18319), (796, 18415), (800, 18463),

Gene: Kanely_25 Start: 16938, Stop: 19418, Start Num: 77

Candidate Starts for Kanely_25:

(Start: 77 @16938 has 209 MA's), (90, 16977), (Start: 107 @17040 has 1 MA's), (110, 17046), (Start: 115 @17070 has 23 MA's), (128, 17112), (223, 17319), (229, 17337), (252, 17427), (265, 17490), (272, 17514), (274, 17526), (282, 17577), (393, 17961), (450, 18063), (462, 18102), (470, 18129), (480, 18153), (529, 18282), (566, 18381), (598, 18483), (605, 18504), (608, 18516), (617, 18546), (640, 18645), (651, 18708), (717, 18927), (725, 18960), (778, 19242), (790, 19308), (794, 19329), (798, 19368), (799, 19383),

Gene: Katalie136_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Katalie136_25:

(Start: 74 @15885 has 124 MA's), (164, 16200), (171, 16227), (184, 16275), (202, 16332), (229, 16437), (233, 16452), (237, 16464), (252, 16527), (276, 16635), (279, 16656), (282, 16677), (415, 17079), (431, 17121), (432, 17124), (470, 17235), (472, 17241), (531, 17373), (545, 17409), (559, 17457), (592, 17574), (624, 17688), (656, 17853), (662, 17871), (701, 17985), (706, 17997), (733, 18087), (747, 18180), (757, 18252), (760, 18261), (778, 18321), (779, 18330), (796, 18417), (800, 18465),

Gene: KatherineG_28 Start: 16045, Stop: 18231, Start Num: 120

Candidate Starts for KatherineG_28:

(Start: 68 @15868 has 1 MA's), (Start: 72 @15877 has 4 MA's), (Start: 120 @16045 has 17 MA's), (208, 16285), (210, 16291), (228, 16360), (243, 16417), (274, 16552), (276, 16561), (282, 16603), (291, 16651), (292, 16654), (314, 16765), (317, 16783), (341, 16888), (351, 16936), (425, 17041), (447, 17101), (468, 17155), (487, 17191), (498, 17215), (502, 17224), (526, 17287), (537, 17308), (542, 17323), (552, 17347), (556, 17359), (584, 17413), (592, 17434), (605, 17464), (659, 17635), (667, 17656), (700, 17740), (770, 18043), (796, 18166), (797, 18178),

Gene: Kazan_29 Start: 16741, Stop: 18945, Start Num: 76

Candidate Starts for Kazan_29:

(42, 16582), (64, 16696), (Start: 76 @16741 has 49 MA's), (Start: 107 @16852 has 1 MA's), (110, 16858), (142, 16966), (165, 17008), (184, 17074), (214, 17167), (221, 17194), (252, 17317), (258, 17350), (278, 17440), (290, 17509), (341, 17752), (476, 17890), (543, 18010), (610, 18163), (638, 18226), (648, 18268), (678, 18367), (683, 18388), (690, 18409), (700, 18430), (714, 18481), (717, 18493), (722, 18508), (738, 18589), (750, 18667),

Gene: KekoraPapaka_24 Start: 16044, Stop: 18485, Start Num: 121

Candidate Starts for KekoraPapaka_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (527, 17355), (545, 17409), (558, 17454), (576, 17514), (579, 17532), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Kenmech_27 Start: 17747, Stop: 20146, Start Num: 77

Candidate Starts for Kenmech_27:

(Start: 77 @17747 has 209 MA's), (90, 17786), (Start: 107 @17849 has 1 MA's), (Start: 115 @17879 has 23 MA's), (Start: 121 @17900 has 10 MA's), (128, 17921), (133, 17933), (140, 17951), (187, 17996), (201, 18041), (252, 18239), (258, 18272), (274, 18338), (324, 18593), (330, 18614), (335, 18641), (345, 18680), (393, 18737), (423, 18767), (500, 18929), (560, 19082), (566, 19094), (573, 19109), (604, 19226), (617, 19271), (621, 19292), (623, 19295), (651, 19445), (656, 19460), (675, 19526), (690, 19568), (741, 19778), (752, 19859), (778, 19970), (794, 20057), (798, 20096), (799, 20111),

Gene: Kerberos_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for Kerberos_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (301, 17312), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (465, 17945), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: Keziacharles14_25 Start: 15713, Stop: 18619, Start Num: 31

Candidate Starts for Keziacharles14_25:

(Start: 31 @15713 has 33 MA's), (35, 15725), (63, 15860), (98, 16007), (Start: 107 @16049 has 1 MA's), (113, 16070), (124, 16112), (141, 16166), (142, 16169), (199, 16379), (203, 16385), (222, 16451), (233, 16493), (237, 16505), (247, 16544), (258, 16601), (276, 16676), (279, 16697), (280, 16700), (282, 16718), (311, 16847), (315, 16886), (317, 16898), (322, 16913), (325, 16928), (332, 16958), (336, 16982), (341, 17003), (358, 17069), (366, 17108), (384, 17171), (395, 17201), (403, 17228), (411, 17249), (426, 17297), (438, 17342), (457, 17405), (460, 17417), (464, 17429), (469, 17459), (484, 17495), (488, 17501), (504, 17522), (505, 17525), (512, 17537), (530, 17594), (540, 17612), (544, 17627), (545, 17630), (558, 17675), (613, 17825), (626, 17870), (650, 17987), (656, 18011), (668, 18050), (701, 18131), (708, 18152), (729, 18227), (744, 18305), (749, 18332), (751, 18341), (784, 18491), (797, 18557),

Gene: KikiBouba_25 Start: 17235, Stop: 19667, Start Num: 90

Candidate Starts for KikiBouba_25:

(Start: 77 @17196 has 209 MA's), (90, 17235), (Start: 107 @17298 has 1 MA's), (Start: 115 @17328 has 23 MA's), (Start: 121 @17349 has 10 MA's), (128, 17370), (133, 17382), (176, 17400), (182, 17424), (201, 17490), (252, 17688), (258, 17721), (274, 17787), (321, 18042), (325, 18063), (331, 18090), (354, 18186), (388, 18216), (402, 18249), (428, 18285), (467, 18378), (473, 18399), (497, 18456), (543, 18576), (554, 18612), (566, 18642), (578, 18678), (598, 18744), (605, 18765), (617, 18807), (640, 18906), (675, 19047), (683, 19068), (723, 19203), (778, 19491), (794, 19578), (798, 19617),

Gene: Killigrew_22 Start: 15859, Stop: 18330, Start Num: 80

Candidate Starts for Killigrew_22:

(Start: 80 @15859 has 1 MA's), (83, 15874), (Start: 115 @15988 has 23 MA's), (128, 16030), (223, 16231), (229, 16249), (252, 16339), (265, 16402), (272, 16426), (274, 16438), (282, 16489), (310, 16615), (393, 16873), (450, 16975), (462, 17014), (467, 17029), (470, 17041), (480, 17065), (512, 17140), (566, 17293), (598, 17395), (605, 17416), (617, 17458), (639, 17554), (640, 17557), (651, 17620), (717, 17839), (725, 17872), (778, 18154), (790, 18220), (794, 18241), (798, 18280), (800, 18310),

Gene: Kimba_26 Start: 17215, Stop: 19761, Start Num: 71

Candidate Starts for Kimba_26:

(Start: 71 @17215 has 22 MA's), (Start: 78 @17233 has 2 MA's), (127, 17407), (Start: 129 @17416 has 1 MA's), (166, 17491), (189, 17545), (206, 17599), (211, 17614), (212, 17617), (217, 17635), (233, 17698), (237, 17710), (252, 17773), (265, 17836), (269, 17851), (272, 17860), (276, 17881), (280, 17905), (282, 17920), (300, 18007), (302, 18010), (307, 18025), (310, 18046), (312, 18058), (321, 18124), (335, 18196), (341, 18220), (371, 18301), (374, 18310), (378, 18322), (393, 18364), (422, 18421), (442, 18475), (481, 18583), (495, 18622), (546, 18763), (580, 18859), (589, 18880), (602, 18913), (613, 18946), (614, 18949), (639, 19033), (648, 19078), (649, 19081), (680, 19195), (690, 19228), (714, 19300), (724, 19336), (738, 19408), (750, 19486), (760, 19540), (769, 19564), (795, 19675),

Gene: Kimona_22 Start: 13439, Stop: 16474, Start Num: 17

Candidate Starts for Kimona_22:

(Start: 17 @13439 has 84 MA's), (46, 13607), (49, 13619), (60, 13670), (106, 13862), (142, 13985), (158, 14054), (173, 14105), (207, 14216), (217, 14249), (232, 14309), (237, 14324), (245, 14357), (268, 14453), (272, 14474), (273, 14480), (276, 14495), (282, 14537), (292, 14588), (294, 14600), (303, 14630), (315, 14705), (322, 14732), (325, 14747), (336, 14801), (341, 14822), (353, 14879), (358, 14888), (363, 14915), (364, 14918), (368, 14939), (376, 14972), (395, 15020), (421, 15104), (430, 15128), (433, 15146), (438, 15161), (453, 15212), (457, 15224), (458, 15227), (462, 15242), (463, 15245), (465, 15257), (469, 15278), (470, 15281), (484, 15314), (488, 15320), (504, 15341), (505, 15344), (514, 15365), (538, 15428), (558, 15494), (604, 15611), (624, 15680), (640, 15749), (647, 15794), (650, 15815), (656, 15839), (662, 15857), (678, 15905), (681, 15917), (701, 15959), (704, 15971), (717, 16019), (751, 16190), (768, 16262), (770, 16271), (785, 16343), (798, 16424), (800, 16454),

Gene: KingCyrus_28 Start: 17023, Stop: 19566, Start Num: 86

Candidate Starts for KingCyrus_28:

(Start: 86 @17023 has 90 MA's), (134, 17200), (135, 17203), (137, 17206), (187, 17371), (190, 17380), (194, 17401), (197, 17410), (207, 17431), (217, 17464), (224, 17497), (237, 17539), (249, 17590), (258, 17635), (259, 17638), (261, 17656), (272, 17689), (274, 17701), (276, 17710), (279, 17731), (280, 17734), (315, 17920), (325, 17962), (326, 17971), (328, 17980), (341, 18037), (358, 18103), (366, 18142), (395, 18235), (407, 18271), (424, 18328), (444, 18394), (453, 18427), (458, 18442), (459, 18448), (462, 18457), (465, 18472), (469, 18493), (477, 18514), (488, 18535), (489, 18538), (504, 18556), (505, 18559), (518, 18598), (522, 18610), (546, 18667), (551, 18685), (558, 18709), (585, 18769), (596, 18796), (613, 18859), (655, 19042), (703, 19123), (707, 19132), (711, 19141),

(745, 19252), (750, 19282), (769, 19366),

Gene: Kingmustik0402_25 Start: 15877, Stop: 18477, Start Num: 74

Candidate Starts for Kingmustik0402_25:

(Start: 74 @15877 has 124 MA's), (Start: 115 @16018 has 23 MA's), (Start: 121 @16036 has 10 MA's), (180, 16243), (189, 16282), (196, 16312), (221, 16396), (229, 16429), (237, 16456), (252, 16519), (265, 16582), (276, 16627), (282, 16669), (299, 16753), (387, 17020), (415, 17071), (432, 17116), (460, 17194), (472, 17233), (545, 17401), (550, 17422), (558, 17446), (577, 17512), (592, 17566), (605, 17614), (624, 17680), (656, 17845), (662, 17863), (706, 17989), (756, 18241), (757, 18244), (760, 18253), (778, 18313), (796, 18409), (800, 18457),

Gene: Kinmap_26 Start: 16407, Stop: 18590, Start Num: 76

Candidate Starts for Kinmap_26:

(Start: 76 @16407 has 49 MA's), (82, 16425), (142, 16560), (202, 16725), (208, 16743), (252, 16911), (258, 16944), (272, 16998), (274, 17010), (278, 17034), (299, 17145), (344, 17328), (462, 17502), (467, 17520), (507, 17583), (581, 17760), (605, 17826), (610, 17835), (638, 17898), (666, 18012), (669, 18015), (678, 18039), (683, 18060), (694, 18090), (700, 18102), (761, 18369), (769, 18390), (780, 18435), (796, 18519),

Gene: Kipper29_29 Start: 16735, Stop: 18939, Start Num: 76

Candidate Starts for Kipper29_29:

(42, 16576), (64, 16690), (Start: 76 @16735 has 49 MA's), (Start: 107 @16846 has 1 MA's), (110, 16852), (142, 16960), (165, 17002), (184, 17068), (214, 17161), (221, 17188), (252, 17311), (258, 17344), (278, 17434), (290, 17503), (341, 17746), (476, 17884), (543, 18004), (610, 18157), (638, 18220), (648, 18262), (678, 18361), (683, 18382), (690, 18403), (700, 18424), (714, 18475), (717, 18487), (722, 18502), (738, 18583), (750, 18661),

Gene: KittenMittens_24 Start: 13965, Stop: 16520, Start Num: 121

Candidate Starts for KittenMittens_24:

(Start: 74 @13788 has 124 MA's), (Start: 121 @13965 has 10 MA's), (146, 14040), (149, 14052), (192, 14214), (200, 14235), (204, 14247), (213, 14277), (219, 14310), (230, 14355), (236, 14373), (239, 14388), (240, 14397), (247, 14418), (266, 14523), (274, 14565), (305, 14730), (333, 14892), (339, 14919), (423, 15096), (436, 15141), (459, 15216), (471, 15264), (472, 15267), (481, 15288), (483, 15291), (505, 15336), (533, 15411), (535, 15414), (543, 15435), (549, 15459), (569, 15525), (577, 15555), (579, 15567), (596, 15621), (604, 15654), (608, 15669), (624, 15723), (640, 15798), (652, 15876), (656, 15888), (662, 15906), (673, 15945), (678, 15957), (681, 15969), (697, 16011), (701, 16023), (706, 16035), (711, 16050), (718, 16071), (720, 16083), (760, 16296), (778, 16356), (785, 16401), (796, 16452), (800, 16500),

Gene: Klodlith_26 Start: 15553, Stop: 18648, Start Num: 7

Candidate Starts for Klodlith_26:

(Start: 7 @15553 has 1 MA's), (19, 15655), (Start: 31 @15742 has 33 MA's), (35, 15754), (63, 15886), (67, 15907), (73, 15928), (84, 15970), (87, 15982), (98, 16033), (113, 16096), (124, 16138), (142, 16195), (151, 16234), (199, 16405), (203, 16411), (232, 16516), (237, 16531), (247, 16570), (248, 16573), (261, 16648), (264, 16651), (276, 16702), (279, 16723), (280, 16726), (282, 16744), (315, 16912), (322, 16939), (325, 16954), (336, 17008), (341, 17029), (356, 17092), (358, 17095), (366, 17134), (395, 17227), (403, 17254), (438, 17368), (440, 17377), (454, 17422), (462, 17449), (469, 17485), (477, 17506), (484, 17521), (504, 17548), (505, 17551), (514, 17572), (523, 17605), (547, 17665), (558, 17701), (613, 17851), (626, 17896), (638, 17947), (650, 18013), (656, 18037), (662, 18055), (668, 18076), (673, 18094), (688, 18124), (701, 18157), (708, 18178), (716, 18208), (729, 18259), (744, 18337), (751, 18373), (760, 18424), (769, 18448), (784, 18523), (797, 18589), (801, 18631),

Gene: Koan_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Koan_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (221, 16404), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (521, 17337), (523, 17346), (545, 17409), (550, 17430), (559, 17457), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Koduck_26 Start: 15783, Stop: 18296, Start Num: 86

Candidate Starts for Koduck_26:

(Start: 86 @15783 has 90 MA's), (134, 15960), (135, 15963), (137, 15966), (194, 16152), (197, 16161), (203, 16170), (237, 16290), (249, 16341), (264, 16410), (267, 16416), (269, 16431), (274, 16452), (276, 16461), (315, 16671), (325, 16713), (336, 16767), (341, 16788), (353, 16845), (358, 16854), (361, 16872), (363, 16881), (393, 16980), (411, 17034), (424, 17079), (430, 17094), (438, 17127), (457, 17190), (465, 17223), (469, 17244), (505, 17310), (508, 17316), (522, 17361), (525, 17370), (555, 17448), (585, 17520), (596, 17547), (613, 17610), (626, 17655), (630, 17667), (637, 17703), (647, 17751), (664, 17817), (707, 17880), (753, 18057), (760, 18075), (761, 18078), (769, 18099),

Gene: Koko_29 Start: 16749, Stop: 19274, Start Num: 86

Candidate Starts for Koko_29:

(Start: 86 @16749 has 90 MA's), (92, 16767), (Start: 114 @16860 has 5 MA's), (132, 16917), (160, 17025), (232, 17241), (248, 17298), (249, 17307), (272, 17406), (276, 17427), (280, 17451), (293, 17529), (294, 17532), (322, 17664), (325, 17679), (356, 17817), (358, 17820), (361, 17838), (363, 17847), (373, 17895), (430, 18060), (435, 18087), (459, 18165), (469, 18210), (504, 18273), (508, 18282), (517, 18306), (522, 18327), (594, 18510), (596, 18513), (613, 18576), (630, 18633), (637, 18669), (703, 18840), (745, 18969), (750, 18999),

Gene: Koreni_24 Start: 15531, Stop: 18131, Start Num: 74

Candidate Starts for Koreni_24:

(Start: 74 @15531 has 124 MA's), (Start: 115 @15672 has 23 MA's), (Start: 121 @15690 has 10 MA's), (180, 15897), (189, 15936), (196, 15966), (229, 16083), (237, 16110), (252, 16173), (265, 16236), (276, 16281), (282, 16323), (299, 16407), (387, 16674), (415, 16725), (432, 16770), (460, 16848), (470, 16881), (472, 16887), (521, 16983), (523, 16992), (545, 17055), (550, 17076), (558, 17100), (577, 17166), (592, 17220), (605, 17268), (624, 17334), (656, 17499), (662, 17517), (706, 17643), (756, 17895), (757, 17898), (760, 17907), (778, 17967), (796, 18063), (800, 18111),

Gene: Kratark_25 Start: 15880, Stop: 18480, Start Num: 74

Candidate Starts for Kratark_25:

(Start: 74 @15880 has 124 MA's), (Start: 115 @16021 has 23 MA's), (Start: 121 @16039 has 10 MA's), (180, 16246), (189, 16285), (196, 16315), (237, 16459), (252, 16522), (265, 16585), (276, 16630), (282, 16672), (299, 16756), (387, 17023), (415, 17074), (432, 17119), (460, 17197), (470, 17230), (472, 17236), (527, 17350), (545, 17404), (558, 17449), (576, 17509), (592, 17569), (624, 17683), (656, 17848), (662, 17866), (706, 17992), (756, 18244), (757, 18247), (760, 18256), (778, 18316), (796, 18412), (800, 18460),

Gene: Kremtemulon_25 Start: 15933, Stop: 18533, Start Num: 74

Candidate Starts for Kremtemulon_25:

(Start: 74 @15933 has 124 MA's), (Start: 115 @16074 has 23 MA's), (Start: 121 @16092 has 10 MA's), (180, 16299), (189, 16338), (196, 16368), (229, 16485), (237, 16512), (252, 16575), (265, 16638), (276, 16683), (282, 16725), (299, 16809), (387, 17076), (415, 17127), (432, 17172), (460, 17250), (472, 17289), (481, 17310), (521, 17385), (523, 17394), (545, 17457), (550, 17478), (559,

17505), (576, 17562), (577, 17568), (592, 17622), (605, 17670), (624, 17736), (656, 17901), (662, 17919), (706, 18045), (756, 18297), (757, 18300), (760, 18309), (778, 18369), (796, 18465), (800, 18513),

Gene: Kristoff_26 Start: 15879, Stop: 18620, Start Num: 74

Candidate Starts for Kristoff_26:

(Start: 74 @15879 has 124 MA's), (Start: 121 @16056 has 10 MA's), (128, 16077), (147, 16134), (156, 16182), (161, 16209), (175, 16248), (182, 16278), (192, 16320), (204, 16353), (207, 16362), (218, 16413), (219, 16416), (236, 16479), (239, 16494), (244, 16515), (247, 16524), (266, 16629), (274, 16671), (339, 17025), (423, 17193), (459, 17313), (470, 17358), (471, 17361), (472, 17364), (481, 17385), (483, 17388), (505, 17433), (545, 17541), (550, 17562), (555, 17574), (569, 17622), (578, 17655), (596, 17718), (617, 17796), (624, 17820), (640, 17895), (650, 17961), (656, 17985), (662, 18003), (681, 18069), (691, 18099), (701, 18123), (706, 18135), (711, 18150), (718, 18171), (720, 18183), (760, 18396), (771, 18432), (777, 18453), (778, 18456), (796, 18552), (800, 18600),

Gene: Kugel_25 Start: 16511, Stop: 18991, Start Num: 77

Candidate Starts for Kugel_25:

(Start: 77 @16511 has 209 MA's), (90, 16550), (Start: 107 @16613 has 1 MA's), (Start: 115 @16643 has 23 MA's), (128, 16685), (223, 16892), (229, 16910), (252, 17000), (265, 17063), (272, 17087), (274, 17099), (282, 17150), (393, 17534), (450, 17636), (462, 17675), (470, 17702), (480, 17726), (529, 17855), (566, 17954), (598, 18056), (605, 18077), (608, 18089), (617, 18119), (640, 18218), (651, 18281), (717, 18500), (725, 18533), (778, 18815), (794, 18902), (798, 18941), (799, 18956),

Gene: KyMonks1A_26 Start: 16677, Stop: 19157, Start Num: 77

Candidate Starts for KyMonks1A_26:

(Start: 77 @16677 has 209 MA's), (90, 16716), (Start: 107 @16779 has 1 MA's), (Start: 115 @16809 has 23 MA's), (128, 16851), (223, 17058), (229, 17076), (252, 17166), (265, 17229), (272, 17253), (274, 17265), (282, 17316), (393, 17700), (450, 17802), (462, 17841), (470, 17868), (480, 17892), (529, 18021), (566, 18120), (598, 18222), (605, 18243), (608, 18255), (617, 18285), (640, 18384), (651, 18447), (717, 18666), (725, 18699), (778, 18981), (794, 19068), (798, 19107), (799, 19122),

Gene: Kyee_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for Kyee_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (472, 17242), (527, 17356), (545, 17410), (558, 17455), (576, 17515), (579, 17533), (592, 17575), (605, 17623), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800, 18466),

Gene: Kykar_22 Start: 15947, Stop: 18526, Start Num: 77

Candidate Starts for Kykar_22:

(Start: 77 @15947 has 209 MA's), (90, 15986), (Start: 107 @16049 has 1 MA's), (Start: 115 @16079 has 23 MA's), (216, 16298), (224, 16334), (265, 16502), (276, 16547), (280, 16571), (282, 16589), (344, 16901), (409, 17057), (446, 17159), (455, 17192), (481, 17264), (497, 17303), (529, 17390), (566, 17489), (598, 17591), (605, 17612), (608, 17624), (617, 17654), (640, 17753), (651, 17816), (717, 18035), (725, 18068), (778, 18350), (794, 18437), (798, 18476), (799, 18491),

Gene: L5_26 Start: 15794, Stop: 18307, Start Num: 86

Candidate Starts for L5_26:

(Start: 86 @15794 has 90 MA's), (134, 15971), (135, 15974), (137, 15977), (217, 16226), (237, 16301), (258, 16397), (261, 16418), (272, 16451), (275, 16466), (276, 16472), (279, 16493), (293, 16574), (315, 16682), (322, 16709), (325, 16724), (336, 16778), (341, 16799), (358, 16865), (393, 16991),

(411, 17045), (424, 17090), (430, 17105), (438, 17138), (457, 17201), (465, 17234), (469, 17255), (505, 17321), (508, 17327), (522, 17372), (525, 17381), (555, 17459), (585, 17531), (596, 17558), (613, 17621), (626, 17666), (630, 17678), (637, 17714), (647, 17762), (664, 17828), (707, 17891), (753, 18068), (760, 18086), (761, 18089), (769, 18110),

Gene: LBerry_27 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for LBerry_27:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: LHTSCC_26 Start: 16337, Stop: 18796, Start Num: 115

Candidate Starts for LHTSCC_26:

(Start: 74 @16196 has 124 MA's), (Start: 115 @16337 has 23 MA's), (Start: 121 @16355 has 10 MA's), (164, 16511), (180, 16562), (196, 16631), (229, 16748), (237, 16775), (252, 16838), (265, 16901), (276, 16946), (282, 16988), (299, 17072), (344, 17279), (387, 17339), (415, 17390), (432, 17435), (460, 17513), (470, 17546), (472, 17552), (545, 17720), (550, 17741), (558, 17765), (576, 17825), (577, 17831), (578, 17834), (592, 17885), (605, 17933), (624, 17999), (656, 18164), (662, 18182), (706, 18308), (756, 18560), (757, 18563), (760, 18572), (777, 18629), (778, 18632), (785, 18677), (796, 18728), (800, 18776),

Gene: LadyBird_26 Start: 16593, Stop: 19130, Start Num: 86

Candidate Starts for LadyBird_26:

(Start: 86 @16593 has 90 MA's), (135, 16773), (137, 16776), (150, 16824), (187, 16935), (190, 16944), (194, 16965), (197, 16974), (203, 16983), (217, 17028), (224, 17061), (249, 17154), (259, 17202), (261, 17220), (268, 17232), (272, 17253), (276, 17274), (279, 17295), (280, 17298), (315, 17484), (325, 17526), (326, 17535), (328, 17544), (341, 17601), (358, 17667), (366, 17706), (393, 17793), (424, 17892), (459, 18012), (462, 18021), (464, 18027), (465, 18036), (469, 18057), (479, 18081), (489, 18102), (505, 18123), (508, 18129), (518, 18162), (522, 18174), (546, 18231), (585, 18333), (596, 18360), (604, 18390), (613, 18423), (630, 18480), (641, 18522), (647, 18564), (703, 18687), (707, 18696), (711, 18705), (745, 18816), (750, 18846), (758, 18900), (769, 18930),

Gene: Lambert1_26 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for Lambert1_26:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Lamina13_24 Start: 15957, Stop: 18428, Start Num: 77

Candidate Starts for Lamina13_24:

(Start: 77 @15957 has 209 MA's), (90, 15996), (Start: 107 @16059 has 1 MA's), (110, 16065), (Start: 115 @16089 has 23 MA's), (Start: 121 @16110 has 10 MA's), (128, 16131), (176, 16161), (182, 16185), (201, 16251), (252, 16449), (258, 16482), (274, 16548), (321, 16803), (325, 16824), (331, 16851), (402, 17010), (428, 17046), (467, 17139), (473, 17160), (497, 17217), (543, 17337), (554, 17373), (566, 17403), (578, 17439), (598, 17505), (605, 17526), (640, 17667), (675, 17808), (683, 17829), (723, 17964), (778, 18252), (794, 18339), (798, 18378), (800, 18408),

Gene: Landor_27 Start: 18370, Stop: 20748, Start Num: 114

Candidate Starts for Landor_27:

(Start: 108 @18352 has 6 MA's), (Start: 114 @18370 has 5 MA's), (123, 18403), (126, 18409), (152, 18505), (162, 18547), (183, 18610), (184, 18613), (213, 18703), (216, 18715), (217, 18718), (222, 18748), (223, 18757), (234, 18793), (237, 18802), (252, 18865), (258, 18898), (269, 18943), (274, 18964), (276, 18973), (294, 19078), (322, 19219), (394, 19387), (396, 19393), (434, 19465), (494, 19633), (504, 19651), (559, 19807), (579, 19861), (593, 19897), (612, 19948), (628, 20008), (634, 20041), (635, 20053), (643, 20086), (644, 20089), (682, 20227), (687, 20239), (705, 20281), (718, 20317), (720, 20329), (722, 20335), (764, 20545),

Gene: LappelDuVide_25 Start: 16023, Stop: 18482, Start Num: 115

Candidate Starts for LappelDuVide_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (481, 17259), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Larenn_27 Start: 16894, Stop: 19434, Start Num: 86

Candidate Starts for Larenn_27:

(Start: 86 @16894 has 90 MA's), (135, 17074), (188, 17239), (190, 17245), (194, 17266), (197, 17275), (217, 17329), (220, 17341), (224, 17362), (237, 17404), (253, 17476), (269, 17548), (272, 17557), (276, 17578), (279, 17599), (280, 17602), (282, 17620), (293, 17680), (301, 17707), (315, 17788), (325, 17830), (326, 17839), (328, 17848), (329, 17851), (336, 17884), (339, 17896), (341, 17905), (356, 17968), (358, 17971), (363, 17998), (366, 18010), (437, 18241), (453, 18295), (457, 18307), (459, 18316), (464, 18331), (469, 18361), (479, 18385), (482, 18394), (484, 18397), (504, 18424), (512, 18439), (518, 18466), (525, 18487), (528, 18493), (558, 18577), (585, 18637), (596, 18664), (613, 18727), (655, 18910), (661, 18922), (703, 18991), (707, 19000), (711, 19009), (745, 19120), (750, 19150), (758, 19204), (769, 19234), (802, 19420),

Gene: LarryKay_27 Start: 16065, Stop: 19091, Start Num: 17

Candidate Starts for LarryKay_27:

(11, 16011), (Start: 17 @16065 has 84 MA's), (36, 16179), (48, 16245), (49, 16248), (51, 16257), (60, 16293), (69, 16344), (93, 16416), (106, 16488), (141, 16608), (142, 16611), (158, 16680), (170, 16725), (197, 16818), (203, 16827), (209, 16845), (217, 16872), (233, 16935), (237, 16947), (245, 16980), (249, 16998), (261, 17064), (264, 17067), (267, 17073), (269, 17088), (272, 17097), (274, 17109), (276, 17118), (288, 17196), (292, 17211), (315, 17328), (316, 17331), (323, 17358), (325, 17370), (336, 17424), (341, 17445), (358, 17511), (366, 17550), (395, 17643), (411, 17691), (424, 17736), (438, 17784), (452, 17826), (453, 17835), (462, 17865), (463, 17868), (465, 17880), (484, 17937), (488, 17943), (504, 17964), (505, 17967), (555, 18105), (558, 18117), (585, 18177), (604, 18234), (640, 18372), (643, 18393), (647, 18417), (656, 18462), (662, 18480), (678, 18528), (681, 18540), (701, 18582), (718, 18645), (734, 18702), (744, 18771), (751, 18807), (770, 18888), (796, 19023),

Gene: LastResort_28 Start: 15923, Stop: 18112, Start Num: 120

Candidate Starts for LastResort_28:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16166), (210, 16172), (228, 16241), (243, 16298), (276, 16442), (282, 16484), (291, 16532), (292, 16535), (314, 16646), (317, 16664), (341, 16769), (351, 16817), (425, 16922), (447, 16982), (468, 17036), (487, 17072), (498, 17096), (502, 17105), (526, 17168), (537, 17189), (542, 17204), (552, 17228), (556, 17240), (584, 17294), (592, 17315), (605, 17345), (659, 17516), (667, 17537), (700, 17621), (770, 17924), (796, 18047), (797, 18059),

Gene: Lemur_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Lemur_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (221, 16401), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (577, 17517), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: LeoAvram_25 Start: 16041, Stop: 18482, Start Num: 121

Candidate Starts for LeoAvram_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Leogania_28 Start: 18765, Stop: 21302, Start Num: 86

Candidate Starts for Leogania_28:

(Start: 86 @18765 has 90 MA's), (135, 18945), (137, 18948), (150, 18996), (190, 19116), (194, 19137), (197, 19146), (207, 19167), (217, 19200), (224, 19233), (237, 19275), (248, 19317), (249, 19326), (259, 19374), (261, 19392), (272, 19425), (274, 19437), (276, 19446), (277, 19458), (279, 19467), (315, 19656), (322, 19683), (325, 19698), (336, 19752), (341, 19773), (358, 19839), (366, 19878), (393, 19965), (459, 20184), (464, 20199), (469, 20229), (477, 20250), (479, 20253), (484, 20265), (504, 20292), (518, 20334), (528, 20361), (546, 20403), (555, 20433), (585, 20505), (596, 20532), (613, 20595), (626, 20640), (630, 20652), (661, 20790), (703, 20859), (707, 20868), (711, 20877), (745, 20988), (750, 21018), (758, 21072), (769, 21102),

Gene: Lesedi_23 Start: 16115, Stop: 18586, Start Num: 77

Candidate Starts for Lesedi_23:

(Start: 77 @16115 has 209 MA's), (90, 16154), (Start: 107 @16217 has 1 MA's), (Start: 115 @16247 has 23 MA's), (Start: 121 @16268 has 10 MA's), (128, 16289), (133, 16301), (176, 16319), (187, 16364), (201, 16409), (252, 16607), (258, 16640), (274, 16706), (321, 16961), (325, 16982), (331, 17009), (402, 17168), (428, 17204), (467, 17297), (473, 17318), (497, 17375), (543, 17495), (554, 17531), (566, 17561), (578, 17597), (598, 17663), (605, 17684), (640, 17825), (675, 17966), (683, 17987), (723, 18122), (752, 18299), (778, 18410), (794, 18497), (798, 18536), (799, 18551),

Gene: Levia_24 Start: 17126, Stop: 19597, Start Num: 77

Candidate Starts for Levia_24:

(Start: 77 @17126 has 209 MA's), (90, 17165), (Start: 107 @17228 has 1 MA's), (Start: 115 @17258 has 23 MA's), (Start: 121 @17279 has 10 MA's), (128, 17300), (176, 17330), (182, 17354), (201, 17420), (252, 17618), (258, 17651), (274, 17717), (321, 17972), (325, 17993), (331, 18020), (402, 18179), (428, 18215), (467, 18308), (473, 18329), (497, 18386), (543, 18506), (554, 18542), (566, 18572), (578, 18608), (598, 18674), (605, 18695), (640, 18836), (675, 18977), (683, 18998), (723,

19133), (752, 19310), (778, 19421), (790, 19487), (794, 19508), (798, 19547), (799, 19562),

Gene: Leviathan_28 Start: 17112, Stop: 19655, Start Num: 86

Candidate Starts for Leviathan_28:

(Start: 86 @17112 has 90 MA's), (135, 17292), (137, 17295), (147, 17325), (188, 17463), (190, 17469), (194, 17490), (197, 17499), (203, 17508), (207, 17520), (220, 17565), (224, 17586), (237, 17628), (249, 17679), (258, 17724), (259, 17727), (261, 17745), (272, 17778), (274, 17790), (276, 17799), (279, 17820), (280, 17823), (315, 18009), (325, 18051), (326, 18060), (328, 18069), (341, 18126), (358, 18192), (366, 18231), (407, 18360), (424, 18417), (444, 18483), (453, 18516), (458, 18531), (459, 18537), (462, 18546), (465, 18561), (469, 18582), (477, 18603), (488, 18624), (489, 18627), (504, 18645), (505, 18648), (522, 18699), (546, 18756), (551, 18774), (558, 18798), (585, 18858), (596, 18885), (613, 18948), (626, 18993), (655, 19131), (707, 19221), (711, 19230), (728, 19254), (745, 19341), (750, 19371), (769, 19455),

Gene: Licorice_26 Start: 17366, Stop: 19837, Start Num: 77

Candidate Starts for Licorice_26:

(Start: 77 @17366 has 209 MA's), (90, 17405), (Start: 107 @17468 has 1 MA's), (Start: 115 @17498 has 23 MA's), (Start: 121 @17519 has 10 MA's), (128, 17540), (133, 17552), (176, 17570), (182, 17594), (201, 17660), (210, 17687), (252, 17858), (258, 17891), (274, 17957), (321, 18212), (325, 18233), (331, 18260), (339, 18299), (354, 18356), (388, 18386), (402, 18419), (428, 18455), (467, 18548), (473, 18569), (497, 18626), (543, 18746), (554, 18782), (566, 18812), (578, 18848), (598, 18914), (605, 18935), (617, 18977), (640, 19076), (675, 19217), (683, 19238), (741, 19469), (752, 19550), (778, 19661), (794, 19748), (798, 19787), (800, 19817),

Gene: LilBib_25 Start: 17203, Stop: 20028, Start Num: 77

Candidate Starts for LilBib_25:

(Start: 77 @17203 has 209 MA's), (98, 17275), (198, 17518), (203, 17533), (217, 17578), (242, 17698), (246, 17716), (254, 17764), (261, 17809), (274, 17854), (275, 17857), (282, 17905), (316, 18079), (320, 18106), (335, 18190), (345, 18247), (349, 18265), (362, 18310), (369, 18346), (383, 18406), (399, 18454), (416, 18517), (417, 18520), (443, 18613), (451, 18637), (461, 18673), (467, 18700), (470, 18712), (477, 18730), (484, 18745), (506, 18808), (549, 18937), (564, 18982), (572, 19015), (575, 19027), (613, 19156), (636, 19252), (655, 19339), (656, 19342), (662, 19360), (723, 19564), (752, 19741), (778, 19852), (794, 19939), (798, 19978), (799, 19993),

Gene: LilTurb_28 Start: 17115, Stop: 19658, Start Num: 86

Candidate Starts for LilTurb_28:

(Start: 86 @17115 has 90 MA's), (135, 17295), (137, 17298), (188, 17466), (190, 17472), (194, 17493), (197, 17502), (203, 17511), (207, 17523), (220, 17568), (224, 17589), (237, 17631), (249, 17682), (258, 17727), (259, 17730), (261, 17748), (272, 17781), (274, 17793), (276, 17802), (279, 17823), (280, 17826), (315, 18012), (325, 18054), (326, 18063), (328, 18072), (341, 18129), (358, 18195), (366, 18234), (395, 18327), (407, 18363), (424, 18420), (444, 18486), (453, 18519), (458, 18534), (459, 18540), (462, 18549), (465, 18564), (469, 18585), (477, 18606), (488, 18627), (489, 18630), (504, 18648), (505, 18651), (518, 18690), (522, 18702), (546, 18759), (551, 18777), (558, 18801), (585, 18861), (596, 18888), (613, 18951), (626, 18996), (655, 19134), (707, 19224), (711, 19233), (728, 19257), (745, 19344), (750, 19374), (769, 19458),

Gene: Lilbunny_29 Start: 16715, Stop: 18931, Start Num: 76

Candidate Starts for Lilbunny_29:

(64, 16670), (Start: 76 @16715 has 49 MA's), (Start: 107 @16826 has 1 MA's), (165, 16982), (210, 17129), (214, 17141), (251, 17288), (252, 17291), (258, 17324), (278, 17414), (290, 17483), (308, 17558), (341, 17726), (543, 17984), (559, 18029), (610, 18137), (638, 18200), (648, 18242), (678, 18341), (683, 18362), (700, 18404), (714, 18455), (722, 18482), (738, 18563), (750, 18653),

Gene: Lilith_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for Lilith_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (363, 17445), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (605, 18144), (613, 18174), (614, 18177), (617, 18186), (640, 18279), (656, 18369), (678, 18435), (681, 18447), (701, 18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: Lilleskat_25 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for Lilleskat_25:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (151, 18085), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (523, 19456), (546, 19510), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: LionsBait_27 Start: 18379, Stop: 20919, Start Num: 86

Candidate Starts for LionsBait_27:

(Start: 86 @18379 has 90 MA's), (135, 18559), (137, 18562), (187, 18721), (190, 18730), (194, 18751), (197, 18760), (207, 18781), (217, 18814), (224, 18847), (259, 18988), (261, 19006), (272, 19039), (274, 19051), (275, 19054), (276, 19060), (279, 19081), (280, 19084), (315, 19270), (325, 19312), (326, 19321), (328, 19330), (341, 19387), (358, 19453), (366, 19492), (458, 19792), (462, 19807), (464, 19813), (465, 19822), (469, 19843), (479, 19867), (489, 19888), (505, 19909), (508, 19915), (518, 19948), (522, 19960), (525, 19969), (546, 20017), (582, 20110), (585, 20119), (596, 20146), (607, 20188), (613, 20209), (661, 20404), (707, 20482), (711, 20491), (736, 20554), (745, 20602), (750, 20632), (758, 20689), (768, 20716), (769, 20719), (789, 20809),

Gene: LittleB_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for LittleB_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (559, 17457), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: LittleGuy_25 Start: 15828, Stop: 18428, Start Num: 74

Candidate Starts for LittleGuy_25:

(Start: 74 @15828 has 124 MA's), (Start: 115 @15969 has 23 MA's), (Start: 121 @15987 has 10 MA's), (180, 16194), (189, 16233), (196, 16263), (229, 16380), (237, 16407), (252, 16470), (265, 16533), (274, 16569), (276, 16578), (282, 16620), (344, 16911), (387, 16971), (415, 17022), (432, 17067), (470, 17178), (472, 17184), (481, 17205), (545, 17352), (550, 17373), (558, 17397), (576, 17457), (577, 17463), (578, 17466), (592, 17517), (605, 17565), (624, 17631), (656, 17796), (662,

17814), (706, 17940), (756, 18192), (757, 18195), (760, 18204), (778, 18264), (785, 18309), (796, 18360), (800, 18408),

Gene: LochMonster_25 Start: 16001, Stop: 18460, Start Num: 115

Candidate Starts for LochMonster_25:

(Start: 74 @15860 has 124 MA's), (Start: 115 @16001 has 23 MA's), (Start: 121 @16019 has 10 MA's), (164, 16175), (180, 16226), (189, 16265), (196, 16295), (229, 16412), (237, 16439), (252, 16502), (265, 16565), (276, 16610), (282, 16652), (299, 16736), (387, 17003), (415, 17054), (432, 17099), (460, 17177), (470, 17210), (472, 17216), (527, 17330), (545, 17384), (558, 17429), (576, 17489), (592, 17549), (624, 17663), (656, 17828), (662, 17846), (706, 17972), (756, 18224), (757, 18227), (760, 18236), (777, 18293), (778, 18296), (785, 18341), (796, 18392), (800, 18440),

Gene: Lockley_24 Start: 16291, Stop: 18771, Start Num: 77

Candidate Starts for Lockley_24:

(Start: 77 @16291 has 209 MA's), (90, 16330), (Start: 107 @16393 has 1 MA's), (Start: 115 @16423 has 23 MA's), (128, 16465), (223, 16672), (229, 16690), (252, 16780), (265, 16843), (272, 16867), (274, 16879), (282, 16930), (393, 17314), (450, 17416), (462, 17455), (470, 17482), (480, 17506), (529, 17635), (566, 17734), (598, 17836), (605, 17857), (617, 17899), (640, 17998), (651, 18061), (717, 18280), (725, 18313), (752, 18484), (778, 18595), (794, 18682), (798, 18721), (799, 18736),

Gene: Lökk_29 Start: 18268, Stop: 20796, Start Num: 86

Candidate Starts for Lökk_29:

(Start: 86 @18268 has 90 MA's), (Start: 114 @18379 has 5 MA's), (117, 18391), (135, 18448), (137, 18451), (194, 18640), (197, 18649), (217, 18703), (248, 18820), (249, 18829), (253, 18850), (258, 18874), (274, 18940), (276, 18949), (279, 18970), (280, 18973), (315, 19159), (325, 19201), (341, 19276), (358, 19342), (366, 19381), (395, 19474), (424, 19567), (453, 19666), (459, 19687), (469, 19732), (504, 19795), (518, 19837), (528, 19864), (555, 19936), (558, 19948), (593, 20032), (594, 20035), (613, 20098), (626, 20143), (630, 20155), (647, 20239), (661, 20293), (711, 20377), (728, 20401), (750, 20518), (769, 20596),

Gene: LoneWolf_27 Start: 17261, Stop: 20305, Start Num: 14

Candidate Starts for LoneWolf_27:

(2, 16988), (Start: 14 @17261 has 1 MA's), (Start: 31 @17390 has 33 MA's), (35, 17402), (43, 17438), (56, 17510), (67, 17558), (124, 17789), (141, 17843), (142, 17846), (176, 17972), (194, 18047), (197, 18056), (205, 18071), (217, 18110), (237, 18185), (241, 18206), (247, 18224), (249, 18236), (252, 18248), (258, 18281), (259, 18284), (261, 18302), (264, 18305), (269, 18326), (274, 18347), (276, 18356), (277, 18368), (285, 18416), (289, 18437), (294, 18461), (315, 18566), (316, 18569), (336, 18662), (341, 18683), (342, 18692), (344, 18704), (358, 18749), (366, 18788), (398, 18890), (424, 18974), (429, 18986), (433, 19007), (437, 19019), (459, 19094), (462, 19103), (469, 19139), (477, 19160), (488, 19181), (489, 19184), (504, 19202), (505, 19205), (516, 19232), (523, 19259), (613, 19505), (622, 19538), (637, 19598), (638, 19601), (650, 19667), (656, 19691), (662, 19709), (668, 19730), (701, 19811), (708, 19832), (721, 19886), (729, 19913), (744, 19991), (751, 20027), (759, 20075), (760, 20078), (763, 20090), (769, 20102), (784, 20177), (795, 20213), (797, 20243), (801, 20285),

Gene: Looper_29 Start: 15923, Stop: 18109, Start Num: 120

Candidate Starts for Looper_29:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16163), (210, 16169), (228, 16238), (243, 16295), (276, 16439), (282, 16481), (291, 16529), (292, 16532), (314, 16643), (317, 16661), (341, 16766), (351, 16814), (425, 16919), (447, 16979), (468, 17033), (487, 17069), (498, 17093), (502, 17102), (526, 17165), (537, 17186), (542, 17201), (552, 17225), (556, 17237), (584, 17291), (592, 17312), (605, 17342), (659, 17513), (667, 17534), (700, 17618), (770, 17921), (796, 18044), (797, 18056),

Gene: Lopton_25 Start: 17715, Stop: 20195, Start Num: 77

Candidate Starts for Lopton_25:

(Start: 77 @17715 has 209 MA's), (90, 17754), (Start: 107 @17817 has 1 MA's), (Start: 115 @17847 has 23 MA's), (128, 17889), (223, 18096), (229, 18114), (252, 18204), (265, 18267), (272, 18291), (274, 18303), (282, 18354), (393, 18738), (450, 18840), (462, 18879), (467, 18894), (470, 18906), (480, 18930), (529, 19059), (566, 19158), (598, 19260), (605, 19281), (617, 19323), (640, 19422), (651, 19485), (678, 19575), (717, 19704), (725, 19737), (778, 20019), (790, 20085), (794, 20106), (798, 20145), (799, 20160),

Gene: Lorenzo_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Lorenzo_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Loser_29 Start: 18399, Stop: 20897, Start Num: 86

Candidate Starts for Loser_29:

(66, 18336), (Start: 86 @18399 has 90 MA's), (119, 18528), (132, 18567), (147, 18612), (190, 18714), (194, 18735), (203, 18753), (215, 18789), (237, 18873), (249, 18924), (264, 18993), (267, 18999), (269, 19014), (272, 19023), (274, 19035), (276, 19044), (315, 19254), (322, 19281), (325, 19296), (336, 19350), (341, 19371), (358, 19437), (366, 19476), (384, 19539), (424, 19662), (430, 19677), (453, 19761), (458, 19776), (462, 19791), (464, 19797), (465, 19806), (469, 19827), (477, 19848), (489, 19872), (505, 19893), (508, 19899), (518, 19932), (523, 19947), (528, 19959), (543, 19989), (546, 20001), (555, 20031), (558, 20043), (596, 20130), (605, 20163), (613, 20193), (622, 20226), (626, 20238), (703, 20457), (707, 20466), (711, 20475), (745, 20586), (750, 20616), (769, 20697), (797, 20838),

Gene: Louie6_27 Start: 16066, Stop: 19092, Start Num: 17

Candidate Starts for Louie6_27:

(11, 16012), (Start: 17 @16066 has 84 MA's), (36, 16180), (48, 16246), (49, 16249), (51, 16258), (60, 16294), (69, 16345), (93, 16417), (106, 16489), (141, 16609), (142, 16612), (158, 16681), (170, 16726), (197, 16819), (203, 16828), (209, 16846), (217, 16873), (233, 16936), (237, 16948), (245, 16981), (249, 16999), (261, 17065), (264, 17068), (267, 17074), (269, 17089), (272, 17098), (274, 17110), (276, 17119), (288, 17197), (292, 17212), (315, 17329), (316, 17332), (323, 17359), (325, 17371), (336, 17425), (341, 17446), (358, 17512), (366, 17551), (395, 17644), (411, 17692), (424, 17737), (438, 17785), (452, 17827), (453, 17836), (462, 17866), (463, 17869), (465, 17881), (484, 17938), (488, 17944), (504, 17965), (505, 17968), (555, 18106), (558, 18118), (585, 18178), (604, 18235), (640, 18373), (643, 18394), (647, 18418), (656, 18463), (662, 18481), (678, 18529), (681, 18541), (701, 18583), (718, 18646), (734, 18703), (744, 18772), (751, 18808), (770, 18889), (796, 19024),

Gene: Iowa_27 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for Iowa_27:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438,

17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: Luchador_27 Start: 16953, Stop: 19361, Start Num: 108

Candidate Starts for Luchador_27:

(Start: 108 @16953 has 6 MA's), (Start: 114 @16971 has 5 MA's), (123, 17004), (152, 17106), (162, 17148), (176, 17190), (180, 17202), (213, 17316), (223, 17370), (237, 17415), (252, 17478), (258, 17511), (274, 17577), (279, 17607), (322, 17832), (415, 18030), (420, 18045), (434, 18078), (504, 18264), (559, 18420), (612, 18561), (628, 18621), (634, 18654), (635, 18666), (643, 18699), (646, 18708), (673, 18822), (682, 18840), (687, 18852), (697, 18876), (718, 18930), (720, 18942), (743, 19047), (764, 19158), (784, 19233), (797, 19299), (800, 19335),

Gene: Lucivia_26 Start: 17212, Stop: 19758, Start Num: 71

Candidate Starts for Lucivia_26:

(Start: 71 @17212 has 22 MA's), (Start: 78 @17230 has 2 MA's), (127, 17404), (Start: 129 @17413 has 1 MA's), (166, 17488), (189, 17542), (206, 17596), (211, 17611), (212, 17614), (217, 17632), (233, 17695), (237, 17707), (252, 17770), (265, 17833), (269, 17848), (272, 17857), (276, 17878), (280, 17902), (282, 17917), (300, 18004), (302, 18007), (307, 18022), (310, 18043), (312, 18055), (321, 18121), (335, 18193), (341, 18217), (371, 18298), (374, 18307), (378, 18319), (393, 18361), (422, 18418), (442, 18472), (481, 18580), (495, 18619), (546, 18760), (580, 18856), (589, 18877), (602, 18910), (613, 18943), (614, 18946), (639, 19030), (648, 19075), (649, 19078), (680, 19192), (690, 19225), (714, 19297), (724, 19333), (738, 19405), (750, 19483), (760, 19537), (769, 19561), (795, 19672),

Gene: LugYA_29 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for LugYA_29:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: LunarLander_24 Start: 16065, Stop: 18725, Start Num: 77

Candidate Starts for LunarLander_24:

(Start: 77 @16065 has 209 MA's), (90, 16104), (Start: 107 @16167 has 1 MA's), (110, 16173), (Start: 115 @16197 has 23 MA's), (128, 16239), (252, 16548), (265, 16611), (276, 16656), (281, 16680), (295, 16755), (298, 16767), (369, 17088), (467, 17418), (489, 17469), (497, 17496), (567, 17700), (603, 17814), (605, 17823), (612, 17844), (617, 17865), (640, 17964), (648, 18006), (649, 18009), (688, 18138), (714, 18222), (726, 18267), (752, 18438), (753, 18456), (778, 18549), (794, 18636), (798, 18675), (799, 18690),

Gene: Lunsford_26 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Lunsford_26:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265,

16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (577, 17517), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: MA5_25 Start: 15111, Stop: 18149, Start Num: 16

Candidate Starts for MA5_25:

(Start: 16 @15111 has 33 MA's), (46, 15285), (54, 15330), (106, 15540), (142, 15663), (197, 15870), (217, 15924), (237, 15999), (245, 16032), (249, 16050), (252, 16062), (268, 16128), (274, 16161), (276, 16170), (282, 16212), (292, 16263), (315, 16380), (325, 16422), (336, 16476), (341, 16497), (358, 16563), (363, 16590), (411, 16743), (430, 16803), (437, 16833), (452, 16878), (453, 16887), (462, 16917), (465, 16932), (469, 16953), (477, 16974), (479, 16977), (484, 16989), (504, 17016), (505, 17019), (514, 17040), (538, 17103), (558, 17169), (585, 17229), (600, 17268), (613, 17319), (614, 17322), (617, 17331), (624, 17355), (640, 17424), (643, 17445), (656, 17514), (662, 17532), (678, 17580), (681, 17592), (701, 17634), (704, 17646), (717, 17694), (751, 17865), (770, 17946), (796, 18081), (797, 18093), (800, 18129),

Gene: MK4_25 Start: 15408, Stop: 18452, Start Num: 16

Candidate Starts for MK4_25:

(Start: 16 @15408 has 33 MA's), (46, 15582), (49, 15594), (106, 15837), (141, 15957), (142, 15960), (200, 16182), (217, 16227), (237, 16302), (245, 16335), (249, 16353), (252, 16365), (268, 16431), (274, 16464), (276, 16473), (282, 16515), (292, 16566), (315, 16683), (325, 16725), (336, 16779), (341, 16800), (353, 16857), (358, 16866), (393, 16992), (395, 16998), (403, 17025), (424, 17091), (430, 17106), (437, 17136), (438, 17139), (453, 17190), (457, 17202), (463, 17223), (465, 17235), (469, 17256), (484, 17292), (504, 17319), (517, 17352), (519, 17364), (538, 17406), (558, 17472), (585, 17532), (600, 17571), (613, 17622), (614, 17625), (617, 17634), (624, 17658), (640, 17727), (643, 17748), (656, 17817), (662, 17835), (678, 17883), (681, 17895), (701, 17937), (704, 17949), (717, 17997), (751, 18168), (762, 18228), (770, 18249), (796, 18384), (797, 18396), (800, 18432),

Gene: MPlant7149_23 Start: 15925, Stop: 18405, Start Num: 77

Candidate Starts for MPlant7149_23:

(Start: 77 @15925 has 209 MA's), (90, 15964), (Start: 107 @16027 has 1 MA's), (Start: 115 @16057 has 23 MA's), (128, 16099), (223, 16306), (229, 16324), (252, 16414), (265, 16477), (272, 16501), (274, 16513), (282, 16564), (393, 16948), (450, 17050), (462, 17089), (467, 17104), (470, 17116), (480, 17140), (529, 17269), (566, 17368), (598, 17470), (605, 17491), (617, 17533), (640, 17632), (651, 17695), (678, 17785), (717, 17914), (725, 17947), (778, 18229), (790, 18295), (794, 18316), (798, 18355), (799, 18370),

Gene: MaCh_26 Start: 17154, Stop: 19700, Start Num: 71

Candidate Starts for MaCh_26:

(Start: 71 @17154 has 22 MA's), (Start: 78 @17172 has 2 MA's), (127, 17346), (Start: 129 @17355 has 1 MA's), (166, 17430), (189, 17484), (206, 17538), (211, 17553), (212, 17556), (217, 17574), (233, 17637), (237, 17649), (252, 17712), (265, 17775), (269, 17790), (272, 17799), (276, 17820), (280, 17844), (282, 17859), (300, 17946), (302, 17949), (307, 17964), (310, 17985), (312, 17997), (321, 18063), (335, 18135), (341, 18159), (371, 18240), (374, 18249), (378, 18261), (393, 18303), (422, 18360), (442, 18414), (481, 18522), (495, 18561), (546, 18702), (580, 18798), (589, 18819), (602, 18852), (613, 18885), (614, 18888), (639, 18972), (648, 19017), (649, 19020), (680, 19134), (690, 19167), (714, 19239), (724, 19275), (738, 19347), (750, 19425), (760, 19479), (769, 19503), (795, 19614),

Gene: Mabel_26 Start: 17215, Stop: 19761, Start Num: 71

Candidate Starts for Mabel_26:

(Start: 71 @17215 has 22 MA's), (Start: 78 @17233 has 2 MA's), (127, 17407), (Start: 129 @17416 has 1 MA's), (166, 17491), (189, 17545), (206, 17599), (211, 17614), (212, 17617), (217, 17635), (233, 17698), (237, 17710), (252, 17773), (265, 17836), (269, 17851), (272, 17860), (276, 17881), (280, 17905), (282, 17920), (300, 18007), (302, 18010), (307, 18025), (310, 18046), (312, 18058), (321, 18124), (335, 18196), (341, 18220), (371, 18301), (374, 18310), (378, 18322), (393, 18364), (422, 18421), (442, 18475), (481, 18583), (495, 18622), (546, 18763), (580, 18859), (589, 18880), (602, 18913), (613, 18946), (614, 18949), (639, 19033), (648, 19078), (649, 19081), (680, 19195), (690, 19228), (714, 19300), (724, 19336), (738, 19408), (750, 19486), (760, 19540), (769, 19564), (795, 19675),

Gene: MadMarie_27 Start: 15981, Stop: 19007, Start Num: 17

Candidate Starts for MadMarie_27:

(11, 15927), (Start: 17 @15981 has 84 MA's), (36, 16095), (48, 16161), (49, 16164), (51, 16173), (60, 16209), (69, 16260), (93, 16332), (106, 16404), (141, 16524), (142, 16527), (158, 16596), (170, 16641), (197, 16734), (203, 16743), (209, 16761), (217, 16788), (233, 16851), (237, 16863), (245, 16896), (249, 16914), (261, 16980), (264, 16983), (267, 16989), (269, 17004), (272, 17013), (274, 17025), (276, 17034), (292, 17127), (315, 17244), (316, 17247), (323, 17274), (325, 17286), (336, 17340), (341, 17361), (358, 17427), (363, 17454), (395, 17559), (411, 17607), (424, 17652), (438, 17700), (452, 17742), (453, 17751), (462, 17781), (463, 17784), (465, 17796), (484, 17853), (488, 17859), (504, 17880), (505, 17883), (555, 18021), (558, 18033), (585, 18093), (605, 18153), (613, 18183), (614, 18186), (617, 18195), (640, 18288), (656, 18378), (678, 18444), (681, 18456), (701, 18498), (718, 18561), (734, 18618), (744, 18687), (751, 18723), (770, 18804), (796, 18939),

Gene: Magnar_24 Start: 16072, Stop: 18555, Start Num: 77

Candidate Starts for Magnar_24:

(Start: 77 @16072 has 209 MA's), (90, 16111), (Start: 107 @16174 has 1 MA's), (Start: 115 @16204 has 23 MA's), (128, 16246), (223, 16453), (229, 16471), (252, 16561), (265, 16624), (272, 16648), (274, 16660), (282, 16711), (393, 17095), (450, 17197), (462, 17236), (470, 17263), (480, 17287), (560, 17491), (566, 17503), (573, 17518), (604, 17635), (617, 17680), (621, 17701), (623, 17704), (656, 17869), (675, 17935), (690, 17977), (741, 18187), (752, 18268), (778, 18379), (790, 18445), (794, 18466), (798, 18505), (799, 18520),

Gene: Magnito_23 Start: 15836, Stop: 18307, Start Num: 77

Candidate Starts for Magnito_23:

(Start: 77 @15836 has 209 MA's), (90, 15875), (Start: 107 @15938 has 1 MA's), (Start: 115 @15968 has 23 MA's), (Start: 121 @15989 has 10 MA's), (128, 16010), (133, 16022), (176, 16040), (201, 16130), (252, 16328), (258, 16361), (274, 16427), (321, 16682), (325, 16703), (331, 16730), (402, 16889), (428, 16925), (467, 17018), (473, 17039), (497, 17096), (543, 17216), (554, 17252), (566, 17282), (578, 17318), (598, 17384), (605, 17405), (640, 17546), (675, 17687), (683, 17708), (741, 17939), (752, 18020), (778, 18131), (794, 18218), (798, 18257), (800, 18287),

Gene: Mainiac_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for Mainiac_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (363, 17445), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (605, 18144), (613, 18174), (614, 18177), (617, 18186), (640, 18279), (656, 18369), (678, 18435), (681, 18447), (701, 18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: MajorMajor_25 Start: 15528, Stop: 18041, Start Num: 86

Candidate Starts for MajorMajor_25:

(Start: 86 @15528 has 90 MA's), (Start: 114 @15639 has 5 MA's), (134, 15705), (135, 15708), (137, 15711), (194, 15897), (197, 15906), (203, 15915), (237, 16035), (249, 16086), (260, 16143), (264, 16155), (267, 16161), (269, 16176), (274, 16197), (276, 16206), (283, 16254), (315, 16416), (323, 16446), (325, 16458), (333, 16497), (336, 16512), (341, 16533), (353, 16590), (358, 16599), (363, 16626), (393, 16725), (424, 16824), (430, 16839), (453, 16923), (459, 16944), (469, 16989), (504, 17052), (505, 17055), (522, 17106), (528, 17121), (585, 17265), (596, 17292), (613, 17355), (618, 17370), (626, 17400), (647, 17496), (664, 17562), (707, 17625), (760, 17820), (761, 17823), (769, 17844),

Gene: Makemake_24 Start: 17552, Stop: 20023, Start Num: 77

Candidate Starts for Makemake_24:

(Start: 77 @17552 has 209 MA's), (90, 17591), (Start: 107 @17654 has 1 MA's), (Start: 115 @17684 has 23 MA's), (Start: 121 @17705 has 10 MA's), (128, 17726), (176, 17756), (182, 17780), (201, 17846), (252, 18044), (258, 18077), (274, 18143), (321, 18398), (325, 18419), (331, 18446), (354, 18542), (388, 18572), (467, 18734), (473, 18755), (497, 18812), (543, 18932), (554, 18968), (566, 18998), (578, 19034), (598, 19100), (605, 19121), (617, 19163), (640, 19262), (675, 19403), (683, 19424), (723, 19559), (752, 19736), (778, 19847), (790, 19913), (794, 19934), (798, 19973), (799, 19988),

Gene: Malec_27 Start: 16899, Stop: 19439, Start Num: 86

Candidate Starts for Malec_27:

(Start: 86 @16899 has 90 MA's), (135, 17079), (188, 17244), (190, 17250), (194, 17271), (197, 17280), (217, 17334), (220, 17346), (224, 17367), (237, 17409), (253, 17481), (269, 17553), (272, 17562), (276, 17583), (279, 17604), (280, 17607), (282, 17625), (293, 17685), (301, 17712), (315, 17793), (325, 17835), (326, 17844), (328, 17853), (329, 17856), (336, 17889), (339, 17901), (341, 17910), (356, 17973), (358, 17976), (363, 18003), (366, 18015), (424, 18201), (437, 18246), (453, 18300), (457, 18312), (459, 18321), (464, 18336), (469, 18366), (479, 18390), (482, 18399), (484, 18402), (504, 18429), (512, 18444), (518, 18471), (525, 18492), (528, 18498), (558, 18582), (585, 18642), (596, 18669), (613, 18732), (655, 18915), (661, 18927), (703, 18996), (707, 19005), (711, 19014), (745, 19125), (750, 19155), (758, 19209), (769, 19239), (802, 19425),

Gene: Malinsilva_29 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for Malinsilva_29:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: Maminiaina_27 Start: 17320, Stop: 20244, Start Num: 31

Candidate Starts for Maminiaina_27:

(Start: 31 @17320 has 33 MA's), (35, 17332), (39, 17356), (43, 17368), (84, 17557), (98, 17620), (113, 17683), (124, 17725), (142, 17782), (143, 17788), (199, 17998), (203, 18004), (208, 18019), (222, 18070), (232, 18109), (237, 18124), (248, 18166), (249, 18175), (258, 18220), (264, 18244), (276, 18295), (279, 18316), (280, 18319), (282, 18337), (311, 18466), (315, 18505), (322, 18532), (325,

18547), (332, 18577), (336, 18601), (341, 18622), (358, 18688), (366, 18727), (395, 18820), (403, 18847), (424, 18913), (437, 18958), (459, 19033), (469, 19078), (477, 19099), (488, 19120), (489, 19123), (500, 19132), (504, 19141), (505, 19144), (508, 19150), (547, 19258), (551, 19270), (579, 19336), (613, 19444), (626, 19489), (630, 19501), (637, 19537), (638, 19540), (647, 19585), (653, 19621), (657, 19636), (673, 19687), (701, 19750), (717, 19810), (729, 19852), (744, 19930), (749, 19957), (751, 19966), (760, 20017), (784, 20116), (792, 20143), (797, 20182), (801, 20224),

Gene: Manatee_25 Start: 16575, Stop: 18575, Start Num: 77

Candidate Starts for Manatee_25:

(Start: 77 @16575 has 209 MA's), (90, 16614), (Start: 107 @16677 has 1 MA's), (Start: 115 @16707 has 23 MA's), (Start: 121 @16728 has 10 MA's), (179, 16788), (205, 16884), (223, 16953), (227, 16965), (252, 17061), (258, 17094), (308, 17328), (405, 17616), (485, 17718), (491, 17730), (524, 17808), (541, 17850), (561, 17904), (566, 17916), (573, 17931), (577, 17949), (579, 17961), (608, 18039), (617, 18069), (640, 18165), (698, 18375), (737, 18525),

Gene: Manu_28 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Manu_28:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325, 17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: MarQuardt_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for MarQuardt_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (288, 17111), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (366, 17465), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (558, 18032), (585, 18092), (604, 18149), (640, 18287), (643, 18308), (647, 18332), (656, 18377), (662, 18395), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938),

Gene: Marcell_24 Start: 16585, Stop: 19065, Start Num: 77

Candidate Starts for Marcell_24:

(Start: 77 @16585 has 209 MA's), (90, 16624), (Start: 107 @16687 has 1 MA's), (Start: 115 @16717 has 23 MA's), (128, 16759), (223, 16966), (229, 16984), (252, 17074), (265, 17137), (272, 17161), (274, 17173), (282, 17224), (393, 17608), (450, 17710), (462, 17749), (470, 17776), (480, 17800), (566, 18028), (598, 18130), (605, 18151), (617, 18193), (640, 18292), (651, 18355), (717, 18574), (725, 18607), (752, 18778), (778, 18889), (794, 18976), (798, 19015), (799, 19030),

Gene: Marchesa_25 Start: 15546, Stop: 18584, Start Num: 16

Candidate Starts for Marchesa_25:

(Start: 16 @15546 has 33 MA's), (46, 15720), (49, 15732), (54, 15765), (106, 15975), (142, 16098), (148, 16119), (197, 16305), (217, 16359), (233, 16422), (237, 16434), (245, 16467), (249, 16485), (264, 16554), (267, 16560), (269, 16575), (272, 16584), (274, 16596), (276, 16605), (292, 16698), (315, 16815), (316, 16818), (323, 16845), (325, 16857), (336, 16911), (341, 16932), (344, 16953), (358, 16998), (366, 17037), (411, 17178), (424, 17223), (430, 17238), (452, 17313), (453, 17322), (462, 17352), (465, 17367), (466, 17370), (469, 17388), (477, 17409), (479, 17412), (488, 17430), (504, 17451), (505, 17454), (538, 17538), (558, 17604), (569, 17625), (585, 17664), (600, 17703), (613, 17754), (614, 17757), (617, 17766), (624, 17790), (640, 17859), (643, 17880), (656, 17949), (662, 17967), (678, 18015), (681, 18027), (701, 18069), (704, 18081), (717, 18129), (751, 18300), (754, 18330), (762, 18360), (770, 18381), (796, 18516), (797, 18528), (800, 18564),

Gene: Marchy_23 Start: 15902, Stop: 18370, Start Num: 77

Candidate Starts for Marchy_23:

(Start: 77 @15902 has 209 MA's), (83, 15917), (Start: 115 @16031 has 23 MA's), (Start: 121 @16052 has 10 MA's), (128, 16073), (176, 16103), (201, 16193), (252, 16391), (258, 16424), (274, 16490), (321, 16745), (325, 16766), (331, 16793), (402, 16952), (428, 16988), (467, 17081), (473, 17102), (480, 17117), (491, 17138), (493, 17141), (518, 17210), (529, 17246), (543, 17279), (554, 17315), (566, 17345), (578, 17381), (598, 17447), (605, 17468), (640, 17609), (675, 17750), (683, 17771), (723, 17906), (752, 18083), (778, 18194), (790, 18260), (794, 18281), (798, 18320), (800, 18350),

Gene: Marco3_24 Start: 16566, Stop: 18965, Start Num: 77

Candidate Starts for Marco3_24:

(Start: 77 @16566 has 209 MA's), (90, 16605), (Start: 107 @16668 has 1 MA's), (Start: 115 @16698 has 23 MA's), (Start: 121 @16719 has 10 MA's), (128, 16740), (133, 16752), (140, 16770), (201, 16860), (252, 17058), (258, 17091), (274, 17157), (324, 17412), (330, 17433), (335, 17460), (345, 17499), (393, 17556), (423, 17586), (500, 17748), (560, 17901), (566, 17913), (573, 17928), (604, 18045), (617, 18090), (621, 18111), (623, 18114), (651, 18264), (656, 18279), (675, 18345), (690, 18387), (741, 18597), (752, 18678), (778, 18789), (794, 18876), (798, 18915), (800, 18945),

Gene: Marge_25 Start: 16805, Stop: 19465, Start Num: 77

Candidate Starts for Marge_25:

(Start: 77 @16805 has 209 MA's), (90, 16844), (Start: 107 @16907 has 1 MA's), (110, 16913), (Start: 115 @16937 has 23 MA's), (128, 16979), (252, 17288), (265, 17351), (276, 17396), (281, 17420), (295, 17495), (298, 17507), (369, 17828), (467, 18158), (489, 18209), (497, 18236), (567, 18440), (603, 18554), (605, 18563), (612, 18584), (617, 18605), (640, 18704), (648, 18746), (649, 18749), (688, 18878), (714, 18962), (726, 19007), (778, 19289), (794, 19376), (798, 19415), (799, 19430),

Gene: Margo_26 Start: 16069, Stop: 19107, Start Num: 16

Candidate Starts for Margo_26:

(Start: 16 @16069 has 33 MA's), (46, 16243), (49, 16255), (54, 16288), (106, 16495), (112, 16516), (141, 16615), (142, 16618), (197, 16828), (203, 16837), (207, 16849), (217, 16882), (233, 16945), (237, 16957), (245, 16990), (249, 17008), (253, 17029), (264, 17077), (267, 17083), (269, 17098), (272, 17107), (274, 17119), (276, 17128), (292, 17221), (315, 17338), (316, 17341), (323, 17368), (325, 17380), (336, 17434), (341, 17455), (358, 17521), (366, 17560), (411, 17701), (424, 17746), (452, 17836), (453, 17845), (462, 17875), (477, 17932), (484, 17947), (504, 17974), (505, 17977), (513, 17995), (553, 18106), (585, 18187), (604, 18244), (616, 18286), (640, 18382), (643, 18403), (647, 18427), (656, 18472), (662, 18490), (678, 18538), (681, 18550), (701, 18592), (704, 18604), (717, 18652), (751, 18823), (762, 18883), (768, 18895), (776, 18922), (780, 18943), (796, 19039), (800, 19087),

Gene: Marie_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for Marie_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: Marius_28 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Marius_28:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325, 17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: Maroc7_23 Start: 16098, Stop: 18569, Start Num: 77

Candidate Starts for Maroc7_23:

(Start: 77 @16098 has 209 MA's), (90, 16137), (Start: 107 @16200 has 1 MA's), (Start: 115 @16230 has 23 MA's), (Start: 121 @16251 has 10 MA's), (128, 16272), (133, 16284), (176, 16302), (201, 16392), (252, 16590), (258, 16623), (274, 16689), (321, 16944), (325, 16965), (331, 16992), (402, 17151), (428, 17187), (467, 17280), (473, 17301), (497, 17358), (543, 17478), (554, 17514), (566, 17544), (578, 17580), (598, 17646), (605, 17667), (640, 17808), (675, 17949), (683, 17970), (723, 18105), (752, 18282), (778, 18393), (794, 18480), (798, 18519), (800, 18549),

Gene: Marsha_24 Start: 16857, Stop: 19691, Start Num: 77

Candidate Starts for Marsha_24:

(Start: 77 @16857 has 209 MA's), (98, 16929), (198, 17172), (203, 17187), (217, 17232), (242, 17352), (246, 17370), (254, 17418), (261, 17463), (274, 17508), (275, 17511), (282, 17559), (316, 17742), (320, 17769), (335, 17853), (345, 17910), (349, 17928), (362, 17973), (369, 18009), (383, 18069), (399, 18117), (416, 18180), (417, 18183), (451, 18300), (461, 18336), (467, 18363), (470, 18375), (477, 18393), (484, 18408), (506, 18471), (549, 18600), (564, 18645), (572, 18678), (575, 18690), (613, 18819), (636, 18915), (655, 19002), (656, 19005), (662, 19023), (723, 19227), (752, 19404), (778, 19515), (794, 19602), (798, 19641), (800, 19671),

Gene: MaryBeth_24 Start: 16506, Stop: 18977, Start Num: 77

Candidate Starts for MaryBeth_24:

(Start: 77 @16506 has 209 MA's), (90, 16545), (Start: 107 @16608 has 1 MA's), (Start: 115 @16638 has 23 MA's), (Start: 121 @16659 has 10 MA's), (128, 16680), (133, 16692), (176, 16710), (201, 16800), (252, 16998), (258, 17031), (274, 17097), (321, 17352), (325, 17373), (331, 17400), (402, 17559), (428, 17595), (467, 17688), (473, 17709), (497, 17766), (543, 17886), (554, 17922), (566, 17952), (578, 17988), (598, 18054), (605, 18075), (640, 18216), (675, 18357), (683, 18378), (723, 18513), (752, 18690), (778, 18801), (794, 18888), (798, 18927), (799, 18942),

Gene: Maverick_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Maverick_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Maxo_25 Start: 15883, Stop: 18483, Start Num: 74

Candidate Starts for Maxo_25:

(Start: 74 @15883 has 124 MA's), (Start: 115 @16024 has 23 MA's), (Start: 121 @16042 has 10 MA's), (180, 16249), (189, 16288), (196, 16318), (229, 16435), (237, 16462), (252, 16525), (265, 16588), (276, 16633), (282, 16675), (299, 16759), (387, 17026), (415, 17077), (432, 17122), (460, 17200), (472, 17239), (481, 17260), (545, 17407), (550, 17428), (558, 17452), (577, 17518), (592, 17572), (605, 17620), (624, 17686), (656, 17851), (662, 17869), (706, 17995), (756, 18247), (757, 18250), (760, 18259), (778, 18319), (796, 18415), (800, 18463),

Gene: Mayonnaise_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Mayonnaise_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Mazhar510_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for Mazhar510_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (164, 16201), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (470, 17236), (472, 17242), (527, 17356), (545, 17410), (558, 17455), (576, 17515), (592, 17575), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800, 18466),

Gene: McFly_29 Start: 16735, Stop: 18939, Start Num: 76

Candidate Starts for McFly_29:

(42, 16576), (64, 16690), (Start: 76 @16735 has 49 MA's), (Start: 107 @16846 has 1 MA's), (110, 16852), (142, 16960), (165, 17002), (184, 17068), (214, 17161), (221, 17188), (252, 17311), (258, 17344), (278, 17434), (290, 17503), (341, 17746), (476, 17884), (543, 18004), (610, 18157), (638, 18220), (648, 18262), (678, 18361), (683, 18382), (690, 18403), (700, 18424), (714, 18475), (717, 18487), (722, 18502), (738, 18583), (750, 18661),

Gene: McGuire_25 Start: 16390, Stop: 18867, Start Num: 79

Candidate Starts for McGuire_25:

(Start: 79 @16390 has 8 MA's), (83, 16405), (Start: 115 @16519 has 23 MA's), (128, 16561), (223, 16768), (229, 16786), (252, 16876), (265, 16939), (272, 16963), (274, 16975), (282, 17026), (393, 17410), (450, 17512), (462, 17551), (470, 17578), (480, 17602), (529, 17731), (566, 17830), (598, 17932), (605, 17953), (617, 17995), (640, 18094), (651, 18157), (678, 18247), (717, 18376), (725, 18409), (752, 18580), (778, 18691), (790, 18757), (794, 18778), (798, 18817), (799, 18832),

Gene: McSinger_25 Start: 16766, Stop: 19237, Start Num: 77

Candidate Starts for McSinger_25:

(Start: 77 @16766 has 209 MA's), (90, 16805), (Start: 107 @16868 has 1 MA's), (Start: 115 @16898 has 23 MA's), (Start: 121 @16919 has 10 MA's), (128, 16940), (176, 16970), (182, 16994), (201, 17060), (252, 17258), (258, 17291), (274, 17357), (321, 17612), (325, 17633), (331, 17660), (402, 17819), (428, 17855), (467, 17948), (473, 17969), (497, 18026), (543, 18146), (554, 18182), (566, 18212), (578, 18248), (598, 18314), (605, 18335), (640, 18476), (675, 18617), (683, 18638), (723, 18773), (752, 18950), (778, 19061), (794, 19148), (798, 19187), (799, 19202),

Gene: Medusa_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for Medusa_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (470, 17236), (472, 17242), (521, 17338), (523, 17347), (545, 17410), (550, 17431), (559, 17458), (576, 17515), (577, 17521), (592, 17575), (605, 17623), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800, 18466),

Gene: MeeZee_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for MeeZee_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (527, 17355), (545, 17409), (558, 17454), (576, 17514), (579, 17532), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: MegTheThird_25 Start: 15544, Stop: 18645, Start Num: 8

Candidate Starts for MegTheThird_25:

(8, 15544), (Start: 31 @15733 has 33 MA's), (35, 15745), (43, 15781), (67, 15898), (81, 15940), (Start: 107 @16066 has 1 MA's), (124, 16129), (141, 16183), (142, 16186), (176, 16312), (199, 16399), (205, 16411), (237, 16525), (241, 16546), (249, 16576), (258, 16621), (259, 16624), (261, 16642), (264, 16645), (269, 16666), (276, 16696), (277, 16708), (285, 16756), (292, 16789), (294, 16801), (315, 16906), (336, 17002), (339, 17014), (341, 17023), (342, 17032), (344, 17044), (350, 17068), (353, 17080), (358, 17089), (366, 17128), (370, 17152), (406, 17254), (408, 17260), (424, 17314), (459, 17434), (469, 17479), (477, 17500), (488, 17521), (489, 17524), (504, 17542), (505, 17545), (540, 17632), (613, 17845), (626, 17890), (630, 17902), (638, 17941), (650, 18007), (655, 18028), (656, 18031), (662, 18049), (668, 18070), (688, 18118), (701, 18151), (708, 18172), (715, 18199), (729, 18253), (744, 18331), (751, 18367), (760, 18418), (769, 18442), (784, 18517), (797, 18583), (801, 18625),

Gene: Melvin_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Melvin_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: MetalQZJ_24 Start: 16506, Stop: 18977, Start Num: 77

Candidate Starts for MetalQZJ_24:

(Start: 77 @16506 has 209 MA's), (90, 16545), (Start: 107 @16608 has 1 MA's), (Start: 115 @16638 has 23 MA's), (Start: 121 @16659 has 10 MA's), (128, 16680), (133, 16692), (176, 16710), (201, 16800), (252, 16998), (258, 17031), (274, 17097), (321, 17352), (325, 17373), (331, 17400), (402, 17559), (428, 17595), (467, 17688), (473, 17709), (497, 17766), (543, 17886), (554, 17922), (566, 17952), (578, 17988), (598, 18054), (605, 18075), (640, 18216), (675, 18357), (683, 18378), (723, 18513), (752, 18690), (778, 18801), (794, 18888), (798, 18927), (799, 18942),

Gene: Methuselah_26 Start: 16062, Stop: 19088, Start Num: 17

Candidate Starts for Methuselah_26:

(11, 16008), (Start: 17 @16062 has 84 MA's), (36, 16176), (48, 16242), (49, 16245), (51, 16254), (60, 16290), (69, 16341), (93, 16413), (106, 16485), (141, 16605), (142, 16608), (158, 16677), (170, 16722), (197, 16815), (203, 16824), (209, 16842), (217, 16869), (233, 16932), (237, 16944), (245, 16977), (249, 16995), (261, 17061), (264, 17064), (267, 17070), (269, 17085), (272, 17094), (274, 17106), (276, 17115), (288, 17193), (292, 17208), (315, 17325), (316, 17328), (323, 17355), (325, 17367), (336, 17421), (341, 17442), (358, 17508), (366, 17547), (395, 17640), (411, 17688), (424, 17733), (438, 17781), (452, 17823), (453, 17832), (462, 17862), (463, 17865), (465, 17877), (484, 17934), (488, 17940), (504, 17961), (505, 17964), (555, 18102), (558, 18114), (585, 18174), (604, 18231), (640, 18369), (643, 18390), (647, 18414), (656, 18459), (662, 18477), (678, 18525), (681, 18537), (701, 18579), (718, 18642), (734, 18699), (744, 18768), (751, 18804), (770, 18885), (796, 19020),

Gene: Michley_24 Start: 16251, Stop: 18722, Start Num: 77

Candidate Starts for Michley_24:

(Start: 77 @16251 has 209 MA's), (90, 16290), (Start: 107 @16353 has 1 MA's), (Start: 115 @16383 has 23 MA's), (Start: 121 @16404 has 10 MA's), (128, 16425), (176, 16455), (182, 16479), (201, 16545), (252, 16743), (258, 16776), (274, 16842), (321, 17097), (325, 17118), (331, 17145), (402, 17304), (428, 17340), (467, 17433), (473, 17454), (480, 17469), (491, 17490), (493, 17493), (518, 17562), (529, 17598), (543, 17631), (554, 17667), (566, 17697), (578, 17733), (598, 17799), (605, 17820), (640, 17961), (675, 18102), (683, 18123), (723, 18258), (752, 18435), (778, 18546), (790, 18612), (794, 18633), (798, 18672), (799, 18687),

Gene: Microwolf_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for Microwolf_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (363, 17453), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (558, 18032), (585, 18092), (605, 18152), (613, 18182), (614, 18185), (617, 18194), (640, 18287), (656, 18377), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938),

Gene: MiculUcigas_26 Start: 16672, Stop: 19179, Start Num: 86

Candidate Starts for MiculUcigas_26:

(Start: 86 @16672 has 90 MA's), (Start: 114 @16783 has 5 MA's), (132, 16840), (194, 17026), (217, 17089), (224, 17122), (226, 17128), (269, 17308), (272, 17317), (276, 17338), (279, 17359), (280, 17362), (282, 17380), (293, 17440), (315, 17548), (325, 17590), (336, 17644), (341, 17665), (356, 17728), (358, 17731), (361, 17749), (366, 17770), (424, 17956), (430, 17971), (435, 17998), (453, 18055), (458, 18070), (459, 18076), (462, 18085), (464, 18091), (469, 18121), (477, 18142), (505, 18187), (508, 18193), (518, 18226), (528, 18253), (555, 18325), (558, 18337), (585, 18397), (596, 18424), (613, 18487), (626, 18532), (630, 18544), (637, 18580), (646, 18616), (650, 18649), (688,

18712), (701, 18736), (746, 18880), (769, 18979), (788, 19066), (802, 19165),

Gene: Miko_29 Start: 18238, Stop: 20766, Start Num: 86

Candidate Starts for Miko_29:

(Start: 86 @18238 has 90 MA's), (Start: 114 @18349 has 5 MA's), (117, 18361), (135, 18418), (137, 18421), (194, 18610), (217, 18673), (237, 18748), (248, 18790), (249, 18799), (253, 18820), (258, 18844), (274, 18910), (276, 18919), (279, 18940), (280, 18943), (315, 19129), (325, 19171), (341, 19246), (358, 19312), (366, 19351), (424, 19537), (453, 19636), (459, 19657), (469, 19702), (482, 19735), (484, 19738), (504, 19765), (518, 19807), (528, 19834), (555, 19906), (558, 19918), (593, 20002), (594, 20005), (613, 20068), (626, 20113), (630, 20125), (647, 20209), (661, 20263), (711, 20347), (728, 20371), (750, 20488), (769, 20566),

Gene: MilleFeuille_21 Start: 15848, Stop: 18682, Start Num: 77

Candidate Starts for MilleFeuille_21:

(Start: 77 @15848 has 209 MA's), (98, 15920), (198, 16163), (203, 16178), (217, 16223), (242, 16343), (246, 16361), (254, 16409), (261, 16454), (274, 16499), (275, 16502), (282, 16550), (316, 16733), (320, 16760), (335, 16844), (345, 16901), (349, 16919), (362, 16964), (369, 17000), (383, 17060), (399, 17108), (416, 17171), (417, 17174), (443, 17267), (451, 17291), (461, 17327), (467, 17354), (470, 17366), (477, 17384), (484, 17399), (506, 17462), (549, 17591), (564, 17636), (572, 17669), (575, 17681), (613, 17810), (636, 17906), (655, 17993), (656, 17996), (662, 18014), (723, 18218), (752, 18395), (778, 18506), (794, 18593), (798, 18632), (799, 18647),

Gene: Millski_24 Start: 15888, Stop: 18488, Start Num: 74

Candidate Starts for Millski_24:

(Start: 74 @15888 has 124 MA's), (Start: 115 @16029 has 23 MA's), (Start: 121 @16047 has 10 MA's), (180, 16254), (189, 16293), (196, 16323), (221, 16407), (229, 16440), (237, 16467), (252, 16530), (265, 16593), (276, 16638), (282, 16680), (299, 16764), (387, 17031), (415, 17082), (432, 17127), (460, 17205), (472, 17244), (545, 17412), (550, 17433), (558, 17457), (577, 17523), (592, 17577), (605, 17625), (624, 17691), (656, 17856), (662, 17874), (706, 18000), (756, 18252), (757, 18255), (760, 18264), (778, 18324), (796, 18420), (800, 18468),

Gene: MinecraftSteve_29 Start: 15877, Stop: 18231, Start Num: 72

Candidate Starts for MinecraftSteve_29:

(Start: 68 @15868 has 1 MA's), (Start: 72 @15877 has 4 MA's), (Start: 120 @16045 has 17 MA's), (208, 16285), (210, 16291), (228, 16360), (243, 16417), (276, 16561), (282, 16603), (291, 16651), (292, 16654), (314, 16765), (317, 16783), (341, 16888), (351, 16936), (425, 17041), (447, 17101), (468, 17155), (487, 17191), (498, 17215), (502, 17224), (526, 17287), (537, 17308), (542, 17323), (552, 17347), (556, 17359), (584, 17413), (592, 17434), (605, 17464), (659, 17635), (667, 17656), (700, 17740), (770, 18043), (796, 18166), (797, 18178),

Gene: Minispark_24 Start: 15668, Stop: 18586, Start Num: 31

Candidate Starts for Minispark_24:

(Start: 31 @15668 has 33 MA's), (35, 15680), (67, 15839), (81, 15881), (84, 15902), (113, 16028), (124, 16070), (141, 16124), (142, 16127), (176, 16253), (194, 16328), (197, 16337), (199, 16340), (205, 16352), (247, 16505), (249, 16517), (252, 16529), (253, 16538), (258, 16562), (261, 16583), (264, 16586), (269, 16607), (274, 16628), (276, 16637), (277, 16649), (285, 16697), (294, 16742), (315, 16847), (329, 16910), (335, 16940), (336, 16943), (341, 16964), (342, 16973), (344, 16985), (350, 17009), (358, 17030), (424, 17255), (429, 17267), (437, 17300), (459, 17375), (462, 17384), (469, 17420), (477, 17441), (479, 17444), (488, 17462), (489, 17465), (504, 17483), (505, 17486), (516, 17513), (523, 17540), (547, 17600), (579, 17678), (613, 17786), (626, 17831), (638, 17882), (653, 17963), (655, 17969), (657, 17978), (673, 18029), (701, 18092), (708, 18113), (717, 18152), (729, 18194), (744, 18272), (749, 18299), (760, 18359), (769, 18383), (784, 18458), (797, 18524), (801, 18566),

Gene: Miramae_25 Start: 15828, Stop: 18428, Start Num: 74

Candidate Starts for Miramae_25:

(Start: 74 @15828 has 124 MA's), (Start: 129 @16011 has 1 MA's), (171, 16170), (184, 16218), (229, 16380), (234, 16398), (252, 16470), (276, 16578), (290, 16662), (344, 16911), (396, 16998), (415, 17022), (432, 17067), (470, 17178), (472, 17184), (531, 17316), (545, 17352), (550, 17373), (559, 17400), (576, 17457), (592, 17517), (624, 17631), (656, 17796), (662, 17814), (684, 17883), (706, 17940), (748, 18129), (757, 18195), (760, 18204), (778, 18264), (779, 18273), (785, 18309), (791, 18327), (796, 18360), (800, 18408),

Gene: Misomonster_29 Start: 16062, Stop: 19088, Start Num: 17

Candidate Starts for Misomonster_29:

(11, 16008), (Start: 17 @16062 has 84 MA's), (36, 16176), (48, 16242), (49, 16245), (51, 16254), (60, 16290), (69, 16341), (93, 16413), (106, 16485), (141, 16605), (142, 16608), (158, 16677), (170, 16722), (197, 16815), (203, 16824), (209, 16842), (217, 16869), (233, 16932), (237, 16944), (245, 16977), (249, 16995), (261, 17061), (264, 17064), (267, 17070), (269, 17085), (272, 17094), (274, 17106), (276, 17115), (288, 17193), (292, 17208), (315, 17325), (316, 17328), (323, 17355), (325, 17367), (336, 17421), (341, 17442), (358, 17508), (366, 17547), (395, 17640), (411, 17688), (424, 17733), (438, 17781), (452, 17823), (453, 17832), (462, 17862), (463, 17865), (465, 17877), (484, 17934), (488, 17940), (504, 17961), (505, 17964), (555, 18102), (558, 18114), (585, 18174), (604, 18231), (640, 18369), (643, 18390), (647, 18414), (656, 18459), (662, 18477), (678, 18525), (681, 18537), (701, 18579), (718, 18642), (734, 18699), (744, 18768), (751, 18804), (770, 18885), (796, 19020),

Gene: MissWhite_26 Start: 15738, Stop: 18245, Start Num: 86

Candidate Starts for MissWhite_26:

(Start: 86 @15738 has 90 MA's), (Start: 114 @15849 has 5 MA's), (134, 15915), (135, 15918), (198, 16095), (203, 16110), (206, 16119), (222, 16176), (237, 16230), (249, 16281), (264, 16350), (267, 16356), (269, 16371), (272, 16380), (274, 16392), (276, 16401), (294, 16506), (304, 16539), (315, 16611), (336, 16707), (341, 16728), (350, 16773), (358, 16794), (363, 16821), (393, 16920), (419, 17001), (424, 17019), (430, 17034), (435, 17061), (438, 17067), (453, 17118), (457, 17130), (459, 17139), (464, 17154), (469, 17184), (504, 17247), (505, 17250), (528, 17316), (546, 17358), (555, 17388), (558, 17400), (585, 17460), (587, 17463), (596, 17487), (604, 17517), (613, 17550), (630, 17607), (647, 17691), (692, 17787), (695, 17796), (736, 17892), (745, 17940), (750, 17970), (769, 18048),

Gene: Mkhuseli_25 Start: 16421, Stop: 18892, Start Num: 77

Candidate Starts for Mkhuseli_25:

(Start: 77 @16421 has 209 MA's), (90, 16460), (Start: 107 @16523 has 1 MA's), (Start: 115 @16553 has 23 MA's), (Start: 121 @16574 has 10 MA's), (128, 16595), (133, 16607), (176, 16625), (201, 16715), (252, 16913), (258, 16946), (274, 17012), (321, 17267), (325, 17288), (331, 17315), (402, 17474), (428, 17510), (467, 17603), (473, 17624), (497, 17681), (543, 17801), (554, 17837), (566, 17867), (578, 17903), (598, 17969), (605, 17990), (617, 18032), (640, 18131), (675, 18272), (683, 18293), (723, 18428), (741, 18524), (752, 18605), (778, 18716), (794, 18803), (798, 18842), (799, 18857),

Gene: Molly_25 Start: 16128, Stop: 18608, Start Num: 77

Candidate Starts for Molly_25:

(Start: 77 @16128 has 209 MA's), (90, 16167), (Start: 107 @16230 has 1 MA's), (Start: 115 @16260 has 23 MA's), (128, 16302), (223, 16509), (229, 16527), (252, 16617), (265, 16680), (272, 16704), (274, 16716), (282, 16767), (393, 17151), (450, 17253), (462, 17292), (467, 17307), (470, 17319), (480, 17343), (529, 17472), (566, 17571), (598, 17673), (605, 17694), (617, 17736), (640, 17835), (651, 17898), (678, 17988), (717, 18117), (725, 18150), (778, 18432), (790, 18498), (794, 18519),

(798, 18558), (799, 18573),

Gene: Monet_26 Start: 17622, Stop: 20093, Start Num: 77

Candidate Starts for Monet_26:

(Start: 77 @17622 has 209 MA's), (90, 17661), (Start: 107 @17724 has 1 MA's), (Start: 115 @17754 has 23 MA's), (Start: 121 @17775 has 10 MA's), (128, 17796), (133, 17808), (176, 17826), (201, 17916), (252, 18114), (258, 18147), (274, 18213), (321, 18468), (325, 18489), (331, 18516), (339, 18555), (354, 18612), (388, 18642), (402, 18675), (428, 18711), (467, 18804), (473, 18825), (497, 18882), (543, 19002), (554, 19038), (566, 19068), (578, 19104), (598, 19170), (605, 19191), (617, 19233), (639, 19329), (640, 19332), (651, 19395), (675, 19473), (683, 19494), (741, 19725), (752, 19806), (778, 19917), (794, 20004), (798, 20043), (800, 20073),

Gene: MoneyMay_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for MoneyMay_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: Montavir_26 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for Montavir_26:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Moose_23 Start: 16363, Stop: 18834, Start Num: 77

Candidate Starts for Moose_23:

(Start: 77 @16363 has 209 MA's), (90, 16402), (Start: 107 @16465 has 1 MA's), (Start: 115 @16495 has 23 MA's), (Start: 121 @16516 has 10 MA's), (128, 16537), (133, 16549), (176, 16567), (201, 16657), (252, 16855), (258, 16888), (274, 16954), (321, 17209), (325, 17230), (331, 17257), (402, 17416), (428, 17452), (467, 17545), (473, 17566), (497, 17623), (543, 17743), (554, 17779), (566, 17809), (578, 17845), (598, 17911), (605, 17932), (640, 18073), (675, 18214), (683, 18235), (741, 18466), (752, 18547), (778, 18658), (782, 18700), (794, 18745), (798, 18784), (799, 18799),

Gene: Morpher26_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Morpher26_25:

(Start: 74 @15885 has 124 MA's), (164, 16200), (171, 16227), (184, 16275), (202, 16332), (229, 16437), (233, 16452), (237, 16464), (252, 16527), (276, 16635), (279, 16656), (282, 16677), (415,

17079), (431, 17121), (432, 17124), (470, 17235), (472, 17241), (531, 17373), (545, 17409), (559, 17457), (592, 17574), (624, 17688), (656, 17853), (662, 17871), (701, 17985), (706, 17997), (733, 18087), (747, 18180), (757, 18252), (760, 18261), (778, 18321), (779, 18330), (796, 18417), (800, 18465),

Gene: Morrow_25 Start: 15888, Stop: 18488, Start Num: 74

Candidate Starts for Morrow_25:

(Start: 74 @15888 has 124 MA's), (Start: 115 @16029 has 23 MA's), (Start: 121 @16047 has 10 MA's), (180, 16254), (189, 16293), (196, 16323), (229, 16440), (237, 16467), (252, 16530), (265, 16593), (276, 16638), (282, 16680), (299, 16764), (344, 16971), (387, 17031), (415, 17082), (432, 17127), (460, 17205), (470, 17238), (472, 17244), (545, 17412), (550, 17433), (558, 17457), (576, 17517), (577, 17523), (578, 17526), (592, 17577), (605, 17625), (624, 17691), (656, 17856), (662, 17874), (706, 18000), (756, 18252), (757, 18255), (760, 18264), (778, 18324), (796, 18420), (800, 18468),

Gene: MrGordo_24 Start: 16064, Stop: 18535, Start Num: 77

Candidate Starts for MrGordo_24:

(Start: 77 @16064 has 209 MA's), (90, 16103), (Start: 107 @16166 has 1 MA's), (Start: 115 @16196 has 23 MA's), (Start: 121 @16217 has 10 MA's), (128, 16238), (176, 16268), (182, 16292), (201, 16358), (252, 16556), (258, 16589), (274, 16655), (321, 16910), (325, 16931), (331, 16958), (402, 17117), (428, 17153), (467, 17246), (473, 17267), (480, 17282), (491, 17303), (493, 17306), (518, 17375), (529, 17411), (543, 17444), (554, 17480), (566, 17510), (578, 17546), (598, 17612), (605, 17633), (640, 17774), (675, 17915), (683, 17936), (723, 18071), (752, 18248), (778, 18359), (794, 18446), (798, 18485), (799, 18500),

Gene: Mryolo_23 Start: 16114, Stop: 18594, Start Num: 77

Candidate Starts for Mryolo_23:

(Start: 77 @16114 has 209 MA's), (90, 16153), (Start: 107 @16216 has 1 MA's), (Start: 115 @16246 has 23 MA's), (128, 16288), (223, 16495), (229, 16513), (252, 16603), (265, 16666), (272, 16690), (274, 16702), (282, 16753), (393, 17137), (450, 17239), (462, 17278), (470, 17305), (480, 17329), (529, 17458), (566, 17557), (598, 17659), (605, 17680), (608, 17692), (617, 17722), (640, 17821), (651, 17884), (717, 18103), (725, 18136), (752, 18307), (778, 18418), (782, 18460), (794, 18505), (798, 18544), (799, 18559),

Gene: MuchMore_29 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for MuchMore_29:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: Mulciber_26 Start: 17157, Stop: 19703, Start Num: 71

Candidate Starts for Mulciber_26:

(Start: 71 @17157 has 22 MA's), (Start: 78 @17175 has 2 MA's), (127, 17349), (Start: 129 @17358 has 1 MA's), (166, 17433), (189, 17487), (206, 17541), (211, 17556), (212, 17559), (217, 17577), (233, 17640), (237, 17652), (252, 17715), (265, 17778), (269, 17793), (272, 17802), (276, 17823), (280, 17847), (282, 17862), (300, 17949), (302, 17952), (307, 17967), (310, 17988), (312, 18000), (321,

18066), (335, 18138), (341, 18162), (371, 18243), (374, 18252), (378, 18264), (393, 18306), (422, 18363), (442, 18417), (481, 18525), (495, 18564), (546, 18705), (580, 18801), (589, 18822), (602, 18855), (613, 18888), (614, 18891), (639, 18975), (648, 19020), (649, 19023), (680, 19137), (690, 19170), (714, 19242), (724, 19278), (738, 19350), (750, 19428), (760, 19482), (769, 19506), (795, 19617),

Gene: Mule_24 Start: 16401, Stop: 18881, Start Num: 77

Candidate Starts for Mule_24:

(Start: 77 @16401 has 209 MA's), (90, 16440), (Start: 107 @16503 has 1 MA's), (Start: 115 @16533 has 23 MA's), (128, 16575), (223, 16782), (229, 16800), (252, 16890), (265, 16953), (272, 16977), (274, 16989), (282, 17040), (393, 17424), (450, 17526), (462, 17565), (470, 17592), (480, 17616), (529, 17745), (566, 17844), (598, 17946), (605, 17967), (617, 18009), (640, 18108), (651, 18171), (717, 18390), (725, 18423), (778, 18705), (794, 18792), (798, 18831), (799, 18846),

Gene: Munch_26 Start: 17163, Stop: 19709, Start Num: 71

Candidate Starts for Munch_26:

(Start: 71 @17163 has 22 MA's), (Start: 78 @17181 has 2 MA's), (127, 17355), (Start: 129 @17364 has 1 MA's), (166, 17439), (189, 17493), (206, 17547), (211, 17562), (212, 17565), (217, 17583), (233, 17646), (237, 17658), (252, 17721), (265, 17784), (269, 17799), (272, 17808), (276, 17829), (280, 17853), (282, 17868), (300, 17955), (302, 17958), (307, 17973), (310, 17994), (312, 18006), (321, 18072), (334, 18135), (335, 18144), (341, 18168), (371, 18249), (374, 18258), (378, 18270), (393, 18312), (422, 18369), (442, 18423), (481, 18531), (495, 18570), (546, 18711), (580, 18807), (589, 18828), (602, 18861), (613, 18894), (614, 18897), (639, 18981), (648, 19026), (649, 19029), (680, 19143), (690, 19176), (714, 19248), (724, 19284), (738, 19356), (750, 19434), (760, 19488), (769, 19512), (795, 19623),

Gene: Mundrea_25 Start: 15850, Stop: 18450, Start Num: 74

Candidate Starts for Mundrea_25:

(Start: 74 @15850 has 124 MA's), (171, 16192), (184, 16240), (202, 16297), (229, 16402), (233, 16417), (252, 16492), (276, 16600), (279, 16621), (282, 16642), (396, 17020), (412, 17032), (415, 17044), (432, 17089), (434, 17098), (470, 17200), (472, 17206), (481, 17227), (559, 17422), (571, 17461), (614, 17620), (620, 17641), (624, 17653), (628, 17671), (656, 17818), (662, 17836), (706, 17962), (733, 18052), (747, 18145), (757, 18217), (760, 18226), (778, 18286), (779, 18295), (785, 18331), (796, 18382), (800, 18430),

Gene: Museum_26 Start: 16420, Stop: 18891, Start Num: 77

Candidate Starts for Museum_26:

(Start: 77 @16420 has 209 MA's), (90, 16459), (Start: 107 @16522 has 1 MA's), (Start: 115 @16552 has 23 MA's), (Start: 121 @16573 has 10 MA's), (128, 16594), (133, 16606), (176, 16624), (182, 16648), (201, 16714), (252, 16912), (258, 16945), (274, 17011), (321, 17266), (325, 17287), (331, 17314), (402, 17473), (428, 17509), (467, 17602), (473, 17623), (497, 17680), (543, 17800), (554, 17836), (566, 17866), (578, 17902), (598, 17968), (605, 17989), (640, 18130), (675, 18271), (683, 18292), (723, 18427), (752, 18604), (778, 18715), (790, 18781), (794, 18802), (798, 18841), (799, 18856),

Gene: MyraDee_23 Start: 14094, Stop: 16709, Start Num: 76

Candidate Starts for MyraDee_23:

(Start: 76 @14094 has 49 MA's), (94, 14151), (99, 14175), (125, 14274), (131, 14292), (170, 14394), (173, 14400), (184, 14445), (187, 14454), (227, 14592), (237, 14625), (252, 14688), (265, 14751), (269, 14766), (276, 14796), (278, 14811), (282, 14838), (301, 14925), (308, 14955), (317, 15018), (335, 15099), (339, 15114), (341, 15123), (344, 15141), (501, 15507), (511, 15528), (604, 15813), (607, 15825), (617, 15858), (640, 15963), (648, 16005), (670, 16080), (674, 16095), (678, 16104), (690, 16146), (724, 16245), (741, 16335), (753, 16434), (754, 16437), (757, 16458), (765, 16485),

(783, 16581), (788, 16593), (792, 16608), (796, 16638),

Gene: Myxus_27 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for Myxus_27:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (84, 17821), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (339, 18871), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (546, 19510), (558, 19552), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: NEHalo_24 Start: 16149, Stop: 18629, Start Num: 77

Candidate Starts for NEHalo_24:

(Start: 77 @16149 has 209 MA's), (90, 16188), (Start: 107 @16251 has 1 MA's), (Start: 115 @16281 has 23 MA's), (128, 16323), (223, 16530), (229, 16548), (252, 16638), (265, 16701), (272, 16725), (274, 16737), (282, 16788), (393, 17172), (450, 17274), (462, 17313), (467, 17328), (470, 17340), (480, 17364), (529, 17493), (566, 17592), (598, 17694), (605, 17715), (617, 17757), (640, 17856), (651, 17919), (678, 18009), (717, 18138), (725, 18171), (778, 18453), (790, 18519), (794, 18540), (798, 18579), (799, 18594),

Gene: NaSiaTalie_26 Start: 16670, Stop: 19177, Start Num: 86

Candidate Starts for NaSiaTalie_26:

(Start: 86 @16670 has 90 MA's), (Start: 114 @16781 has 5 MA's), (132, 16838), (194, 17024), (217, 17087), (224, 17120), (226, 17126), (269, 17306), (272, 17315), (275, 17330), (276, 17336), (279, 17357), (280, 17360), (282, 17378), (293, 17438), (315, 17546), (325, 17588), (336, 17642), (341, 17663), (356, 17726), (358, 17729), (361, 17747), (366, 17768), (424, 17954), (430, 17969), (435, 17996), (453, 18053), (458, 18068), (459, 18074), (462, 18083), (464, 18089), (469, 18119), (477, 18140), (505, 18185), (508, 18191), (518, 18224), (528, 18251), (555, 18323), (558, 18335), (585, 18395), (596, 18422), (613, 18485), (626, 18530), (637, 18578), (646, 18614), (650, 18647), (688, 18710), (701, 18734), (746, 18878), (769, 18977), (788, 19064), (802, 19163),

Gene: Naira_25 Start: 17895, Stop: 20510, Start Num: 77

Candidate Starts for Naira_25:

(Start: 77 @17895 has 209 MA's), (90, 17934), (Start: 107 @17997 has 1 MA's), (110, 18003), (Start: 115 @18027 has 23 MA's), (186, 18135), (237, 18306), (251, 18366), (252, 18369), (277, 18492), (282, 18522), (295, 18585), (341, 18804), (359, 18876), (376, 18924), (397, 18969), (466, 19194), (467, 19203), (480, 19239), (497, 19281), (567, 19485), (603, 19599), (605, 19608), (612, 19629), (617, 19650), (640, 19749), (648, 19791), (649, 19794), (688, 19923), (714, 20007), (726, 20052), (778, 20334), (790, 20400), (794, 20421), (798, 20460), (799, 20475),

Gene: Naji_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for Naji_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (216, 16934), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (303, 17318), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (523, 18086), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: Nebs_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Nebs_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Nebulosus_28 Start: 15746, Stop: 18109, Start Num: 68

Candidate Starts for Nebulosus_28:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16163), (210, 16169), (228, 16238), (243, 16295), (276, 16439), (282, 16481), (291, 16529), (292, 16532), (314, 16643), (317, 16661), (341, 16766), (351, 16814), (425, 16919), (447, 16979), (468, 17033), (487, 17069), (498, 17093), (502, 17102), (526, 17165), (537, 17186), (542, 17201), (552, 17225), (556, 17237), (584, 17291), (592, 17312), (605, 17342), (659, 17513), (667, 17534), (700, 17618), (770, 17921), (796, 18044), (797, 18056),

Gene: Nedarya_27 Start: 16578, Stop: 18761, Start Num: 120

Candidate Starts for Nedarya_27:

(Start: 68 @16404 has 1 MA's), (Start: 72 @16413 has 4 MA's), (91, 16467), (Start: 120 @16578 has 17 MA's), (193, 16782), (200, 16797), (208, 16821), (210, 16827), (233, 16914), (234, 16917), (243, 16953), (252, 16989), (258, 17022), (265, 17052), (269, 17067), (274, 17088), (280, 17121), (292, 17190), (314, 17301), (316, 17310), (347, 17442), (349, 17451), (425, 17565), (468, 17679), (526, 17811), (539, 17838), (542, 17847), (570, 17904), (592, 17958), (605, 17988), (623, 18033), (659, 18159), (796, 18693), (797, 18705),

Gene: Neeharika16_29 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for Neeharika16_29:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717, 18480), (722, 18495), (738, 18576), (750, 18654),

Gene: Nemo27_25 Start: 16025, Stop: 18484, Start Num: 115

Candidate Starts for Nemo27_25:

(Start: 74 @15884 has 124 MA's), (Start: 115 @16025 has 23 MA's), (Start: 121 @16043 has 10 MA's), (180, 16250), (189, 16289), (196, 16319), (229, 16436), (237, 16463), (252, 16526), (265, 16589), (276, 16634), (282, 16676), (299, 16760), (387, 17027), (415, 17078), (432, 17123), (460, 17201), (470, 17234), (472, 17240), (481, 17261), (545, 17408), (550, 17429), (558, 17453), (577, 17519), (592, 17573), (605, 17621), (624, 17687), (656, 17852), (662, 17870), (706, 17996), (756, 18248), (757, 18251), (760, 18260), (778, 18320), (796, 18416), (800, 18464),

Gene: Nerujay_25 Start: 16817, Stop: 19297, Start Num: 77

Candidate Starts for Nerujay_25:

(Start: 77 @16817 has 209 MA's), (90, 16856), (Start: 107 @16919 has 1 MA's), (Start: 115 @16949 has 23 MA's), (128, 16991), (223, 17198), (229, 17216), (252, 17306), (265, 17369), (272, 17393), (274, 17405), (282, 17456), (393, 17840), (450, 17942), (462, 17981), (470, 18008), (480, 18032), (529, 18161), (566, 18260), (598, 18362), (605, 18383), (608, 18395), (617, 18425), (640, 18524), (651, 18587), (717, 18806), (725, 18839), (778, 19121), (794, 19208), (798, 19247), (799, 19262),

Gene: Newrala_29 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for Newrala_29:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717, 18480), (722, 18495), (738, 18576), (750, 18654),

Gene: Nhonho_24 Start: 16571, Stop: 19048, Start Num: 77

Candidate Starts for Nhonho_24:

(Start: 77 @16571 has 209 MA's), (90, 16610), (100, 16655), (Start: 107 @16673 has 1 MA's), (110, 16679), (Start: 115 @16703 has 23 MA's), (223, 16949), (229, 16967), (252, 17057), (265, 17120), (272, 17144), (274, 17156), (282, 17207), (303, 17300), (450, 17693), (462, 17732), (467, 17747), (470, 17759), (480, 17783), (512, 17858), (529, 17912), (566, 18011), (598, 18113), (605, 18134), (608, 18146), (617, 18176), (640, 18275), (651, 18338), (678, 18428), (717, 18557), (725, 18590), (778, 18872), (794, 18959), (798, 18998), (800, 19028),

Gene: NicoleTera_30 Start: 18435, Stop: 20942, Start Num: 86

Candidate Starts for NicoleTera_30:

(Start: 86 @18435 has 90 MA's), (Start: 114 @18546 has 5 MA's), (119, 18564), (132, 18603), (139, 18624), (147, 18648), (194, 18777), (205, 18801), (215, 18831), (237, 18915), (249, 18966), (260, 19023), (264, 19035), (267, 19041), (269, 19056), (272, 19065), (274, 19077), (276, 19086), (315, 19296), (322, 19323), (325, 19338), (336, 19392), (341, 19413), (358, 19479), (366, 19518), (384, 19581), (411, 19659), (424, 19704), (453, 19803), (458, 19818), (459, 19824), (462, 19833), (465, 19848), (469, 19869), (477, 19890), (479, 19893), (504, 19932), (512, 19947), (518, 19974), (528, 20001), (543, 20031), (546, 20043), (558, 20085), (585, 20145), (596, 20172), (613, 20235), (630, 20292), (637, 20328), (650, 20397), (661, 20430), (703, 20499), (707, 20508), (711, 20517), (745, 20628), (750, 20658), (769, 20742),

Gene: Niza_26 Start: 17422, Stop: 19890, Start Num: 77

Candidate Starts for Niza_26:

(Start: 77 @17422 has 209 MA's), (83, 17437), (Start: 115 @17551 has 23 MA's), (Start: 121 @17572 has 10 MA's), (128, 17593), (176, 17623), (182, 17647), (187, 17668), (201, 17713), (210, 17740), (252, 17911), (258, 17944), (274, 18010), (321, 18265), (325, 18286), (331, 18313), (402, 18472), (428, 18508), (467, 18601), (473, 18622), (497, 18679), (543, 18799), (554, 18835), (566, 18865), (578, 18901), (598, 18967), (605, 18988), (640, 19129), (675, 19270), (683, 19291), (723, 19426), (752, 19603), (778, 19714), (794, 19801), (798, 19840), (799, 19855),

Gene: Noella_26 Start: 16044, Stop: 19082, Start Num: 16

Candidate Starts for Noella_26:

(Start: 16 @16044 has 33 MA's), (46, 16218), (49, 16230), (54, 16263), (106, 16470), (112, 16491), (141, 16590), (142, 16593), (197, 16803), (207, 16824), (217, 16857), (233, 16920), (237, 16932), (245, 16965), (249, 16983), (253, 17004), (264, 17052), (267, 17058), (269, 17073), (272, 17082), (274, 17094), (276, 17103), (292, 17196), (315, 17313), (316, 17316), (323, 17343), (325, 17355), (336, 17409), (341, 17430), (358, 17496), (366, 17535), (411, 17676), (424, 17721), (452, 17811), (453, 17820), (462, 17850), (477, 17907), (484, 17922), (504, 17949), (505, 17952), (513, 17970), (553, 18081), (585, 18162), (604, 18219), (616, 18261), (640, 18357), (643, 18378), (647, 18402), (656, 18447), (662, 18465), (678, 18513), (681, 18525), (701, 18567), (704, 18579), (717, 18627), (751, 18798), (762, 18858), (768, 18870), (776, 18897), (780, 18918), (796, 19014), (800, 19062),

Gene: Noelle_25 Start: 15938, Stop: 18538, Start Num: 74

Candidate Starts for Noelle_25:

(Start: 74 @15938 has 124 MA's), (184, 16328), (221, 16457), (229, 16490), (233, 16505), (237, 16517), (252, 16580), (276, 16688), (284, 16739), (303, 16823), (396, 17108), (412, 17120), (415, 17132), (432, 17177), (460, 17255), (470, 17288), (472, 17294), (531, 17426), (545, 17462), (559, 17510), (592, 17627), (605, 17675), (614, 17708), (624, 17741), (628, 17759), (656, 17906), (662, 17924), (706, 18050), (733, 18140), (757, 18305), (760, 18314), (778, 18374), (779, 18383), (785, 18419), (791, 18437), (796, 18470), (800, 18518),

Gene: Norbert_25 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for Norbert_25:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: NorthStar_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for NorthStar_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Norz_26 Start: 17066, Stop: 19726, Start Num: 77

Candidate Starts for Norz_26:

(Start: 77 @17066 has 209 MA's), (90, 17105), (Start: 107 @17168 has 1 MA's), (110, 17174), (Start: 115 @17198 has 23 MA's), (128, 17240), (233, 17474), (252, 17549), (265, 17612), (276, 17657), (281, 17681), (295, 17756), (298, 17768), (369, 18089), (467, 18419), (489, 18470), (497, 18497), (567, 18701), (605, 18824), (612, 18845), (617, 18866), (640, 18965), (648, 19007), (688, 19139), (714, 19223), (726, 19268), (778, 19550), (790, 19616), (794, 19637), (798, 19676), (799, 19691),

Gene: NotAPhaseMom_25 Start: 16030, Stop: 18489, Start Num: 115

Candidate Starts for NotAPhaseMom_25:

(Start: 74 @15889 has 124 MA's), (Start: 115 @16030 has 23 MA's), (Start: 121 @16048 has 10 MA's), (180, 16255), (189, 16294), (196, 16324), (229, 16441), (237, 16468), (252, 16531), (265, 16594), (276, 16639), (282, 16681), (299, 16765), (387, 17032), (415, 17083), (432, 17128), (460, 17206), (470, 17239), (472, 17245), (481, 17266), (545, 17413), (550, 17434), (558, 17458), (577, 17524), (592, 17578), (605, 17626), (624, 17692), (656, 17857), (662, 17875), (706, 18001), (756, 18253), (757, 18256), (760, 18265), (778, 18325), (796, 18421), (800, 18469),

Gene: NothingSpecial_28 Start: 18636, Stop: 21167, Start Num: 86

Candidate Starts for NothingSpecial_28:

(Start: 86 @18636 has 90 MA's), (135, 18816), (137, 18819), (187, 18987), (194, 19014), (203, 19029), (214, 19062), (217, 19074), (232, 19134), (237, 19149), (258, 19245), (259, 19248), (276, 19320), (279, 19341), (280, 19344), (309, 19485), (315, 19530), (322, 19557), (325, 19572), (336, 19626), (341, 19647), (358, 19713), (366, 19752), (427, 19947), (432, 19965), (437, 19983), (469, 20103), (474, 20118), (488, 20145), (489, 20148), (505, 20169), (605, 20439), (606, 20442), (613, 20469), (618, 20484), (626, 20514), (637, 20562), (647, 20610), (661, 20664), (711, 20748), (728, 20772),

(750, 20889), (769, 20967),

Gene: Noxious_25 Start: 17387, Stop: 19858, Start Num: 77

Candidate Starts for Noxious_25:

(Start: 77 @17387 has 209 MA's), (90, 17426), (Start: 107 @17489 has 1 MA's), (Start: 115 @17519 has 23 MA's), (Start: 121 @17540 has 10 MA's), (128, 17561), (133, 17573), (176, 17591), (182, 17615), (201, 17681), (252, 17879), (258, 17912), (274, 17978), (321, 18233), (325, 18254), (331, 18281), (354, 18377), (388, 18407), (402, 18440), (428, 18476), (467, 18569), (473, 18590), (497, 18647), (543, 18767), (554, 18803), (566, 18833), (578, 18869), (598, 18935), (605, 18956), (617, 18998), (640, 19097), (675, 19238), (683, 19259), (723, 19394), (778, 19682), (794, 19769), (798, 19808),

Gene: Nyxis_25 Start: 15969, Stop: 18428, Start Num: 115

Candidate Starts for Nyxis_25:

(Start: 74 @15828 has 124 MA's), (Start: 115 @15969 has 23 MA's), (Start: 121 @15987 has 10 MA's), (180, 16194), (189, 16233), (196, 16263), (229, 16380), (237, 16407), (252, 16470), (265, 16533), (276, 16578), (282, 16620), (299, 16704), (387, 16971), (415, 17022), (432, 17067), (460, 17145), (472, 17184), (481, 17205), (545, 17352), (550, 17373), (558, 17397), (576, 17457), (577, 17463), (578, 17466), (592, 17517), (605, 17565), (624, 17631), (656, 17796), (662, 17814), (706, 17940), (756, 18192), (757, 18195), (760, 18204), (778, 18264), (796, 18360), (800, 18408),

Gene: OKCentral2016_25 Start: 15565, Stop: 18123, Start Num: 121

Candidate Starts for OKCentral2016_25:

(26, 15157), (Start: 74 @15388 has 124 MA's), (Start: 121 @15565 has 10 MA's), (128, 15586), (136, 15610), (138, 15616), (146, 15640), (147, 15643), (149, 15652), (157, 15691), (160, 15700), (161, 15706), (168, 15730), (182, 15775), (192, 15817), (204, 15850), (207, 15859), (219, 15913), (233, 15967), (236, 15976), (240, 16000), (247, 16021), (266, 16126), (274, 16168), (330, 16480), (331, 16483), (333, 16495), (423, 16696), (459, 16816), (470, 16861), (471, 16864), (472, 16867), (481, 16888), (483, 16891), (505, 16936), (545, 17044), (550, 17065), (569, 17125), (578, 17158), (596, 17221), (617, 17299), (624, 17323), (640, 17398), (650, 17464), (656, 17488), (662, 17506), (672, 17542), (681, 17572), (697, 17614), (701, 17626), (706, 17638), (718, 17674), (720, 17686), (760, 17899), (763, 17911), (771, 17935), (778, 17959), (796, 18055), (800, 18103),

Gene: OKaNui_26 Start: 15938, Stop: 18538, Start Num: 74

Candidate Starts for OKaNui_26:

(Start: 74 @15938 has 124 MA's), (Start: 115 @16079 has 23 MA's), (Start: 121 @16097 has 10 MA's), (180, 16304), (189, 16343), (196, 16373), (229, 16490), (237, 16517), (252, 16580), (265, 16643), (276, 16688), (282, 16730), (299, 16814), (387, 17081), (415, 17132), (432, 17177), (460, 17255), (472, 17294), (545, 17462), (550, 17483), (558, 17507), (577, 17573), (592, 17627), (605, 17675), (624, 17741), (656, 17906), (662, 17924), (706, 18050), (756, 18302), (757, 18305), (760, 18314), (778, 18374), (796, 18470), (800, 18518),

Gene: Obama12_26 Start: 16339, Stop: 18798, Start Num: 115

Candidate Starts for Obama12_26:

(Start: 74 @16198 has 124 MA's), (Start: 115 @16339 has 23 MA's), (Start: 121 @16357 has 10 MA's), (164, 16513), (180, 16564), (196, 16633), (229, 16750), (237, 16777), (252, 16840), (265, 16903), (276, 16948), (282, 16990), (299, 17074), (344, 17281), (387, 17341), (415, 17392), (432, 17437), (460, 17515), (470, 17548), (472, 17554), (545, 17722), (550, 17743), (558, 17767), (576, 17827), (577, 17833), (578, 17836), (592, 17887), (605, 17935), (624, 18001), (656, 18166), (662, 18184), (706, 18310), (756, 18562), (757, 18565), (760, 18574), (777, 18631), (778, 18634), (785, 18679), (796, 18730), (800, 18778),

Gene: Ohfah_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Ohfah_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (481, 17259), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (785, 18363), (796, 18414), (800, 18462),

Gene: Ohno789_24 Start: 16219, Stop: 18690, Start Num: 77

Candidate Starts for Ohno789_24:

(Start: 77 @16219 has 209 MA's), (90, 16258), (Start: 107 @16321 has 1 MA's), (Start: 115 @16351 has 23 MA's), (Start: 121 @16372 has 10 MA's), (128, 16393), (133, 16405), (176, 16423), (201, 16513), (252, 16711), (258, 16744), (274, 16810), (321, 17065), (325, 17086), (331, 17113), (402, 17272), (428, 17308), (467, 17401), (473, 17422), (497, 17479), (543, 17599), (554, 17635), (566, 17665), (578, 17701), (598, 17767), (605, 17788), (640, 17929), (675, 18070), (683, 18091), (723, 18226), (752, 18403), (778, 18514), (794, 18601), (798, 18640), (799, 18655),

Gene: OlanP_27 Start: 16237, Stop: 19263, Start Num: 17

Candidate Starts for OlanP_27:

(11, 16183), (Start: 17 @16237 has 84 MA's), (36, 16351), (48, 16417), (49, 16420), (51, 16429), (60, 16465), (69, 16516), (93, 16588), (106, 16660), (141, 16780), (142, 16783), (158, 16852), (170, 16897), (197, 16990), (203, 16999), (217, 17044), (226, 17083), (233, 17107), (237, 17119), (245, 17152), (249, 17170), (253, 17191), (264, 17239), (267, 17245), (269, 17260), (272, 17269), (274, 17281), (276, 17290), (292, 17383), (312, 17470), (315, 17500), (316, 17503), (323, 17530), (325, 17542), (336, 17596), (341, 17617), (346, 17647), (358, 17683), (368, 17734), (393, 17809), (411, 17863), (424, 17908), (438, 17956), (452, 17998), (453, 18007), (462, 18037), (484, 18109), (488, 18115), (504, 18136), (505, 18139), (512, 18151), (551, 18265), (553, 18268), (585, 18349), (605, 18409), (613, 18439), (614, 18442), (617, 18451), (656, 18634), (678, 18700), (681, 18712), (701, 18754), (718, 18817), (734, 18874), (744, 18943), (751, 18979), (770, 19060), (796, 19195), (797, 19207),

Gene: Ollie_27 Start: 15849, Stop: 18875, Start Num: 17

Candidate Starts for Ollie_27:

(11, 15795), (Start: 17 @15849 has 84 MA's), (36, 15963), (48, 16029), (49, 16032), (51, 16041), (60, 16077), (69, 16128), (93, 16200), (106, 16272), (141, 16392), (142, 16395), (158, 16464), (170, 16509), (197, 16602), (203, 16611), (209, 16629), (217, 16656), (233, 16719), (237, 16731), (245, 16764), (249, 16782), (261, 16848), (264, 16851), (267, 16857), (269, 16872), (272, 16881), (274, 16893), (276, 16902), (288, 16980), (292, 16995), (315, 17112), (316, 17115), (323, 17142), (325, 17154), (336, 17208), (341, 17229), (358, 17295), (366, 17334), (395, 17427), (411, 17475), (424, 17520), (438, 17568), (452, 17610), (453, 17619), (462, 17649), (463, 17652), (465, 17664), (474, 17700), (484, 17721), (488, 17727), (504, 17748), (505, 17751), (555, 17889), (558, 17901), (585, 17961), (600, 18000), (640, 18156), (643, 18177), (647, 18201), (656, 18246), (662, 18264), (678, 18312), (681, 18324), (701, 18366), (718, 18429), (734, 18486), (744, 18555), (751, 18591), (770, 18672), (796, 18807),

Gene: Onglai_26 Start: 15924, Stop: 18833, Start Num: 31

Candidate Starts for Onglai_26:

(Start: 31 @15924 has 33 MA's), (35, 15936), (47, 15996), (84, 16155), (98, 16218), (113, 16281), (124, 16323), (142, 16380), (151, 16419), (199, 16590), (203, 16596), (208, 16611), (232, 16701), (233, 16704), (237, 16716), (248, 16758), (258, 16812), (276, 16887), (279, 16908), (280, 16911), (282, 16929), (294, 16992), (311, 17058), (315, 17097), (322, 17124), (325, 17139), (332, 17169), (336, 17193), (341, 17214), (358, 17280), (366, 17319), (386, 17385), (395, 17412), (403, 17439),

(424, 17505), (437, 17550), (459, 17625), (469, 17670), (477, 17691), (488, 17712), (489, 17715), (504, 17733), (505, 17736), (516, 17763), (546, 17844), (613, 18036), (618, 18051), (626, 18081), (638, 18132), (655, 18219), (657, 18228), (673, 18279), (701, 18342), (708, 18363), (717, 18399), (728, 18435), (729, 18441), (744, 18519), (749, 18546), (760, 18606), (780, 18675), (784, 18705), (792, 18732), (797, 18771), (801, 18813),

Gene: Oofda_28 Start: 15894, Stop: 18083, Start Num: 120

Candidate Starts for Oofda_28:

(Start: 68 @15717 has 1 MA's), (Start: 72 @15726 has 4 MA's), (Start: 120 @15894 has 17 MA's), (208, 16137), (210, 16143), (228, 16212), (243, 16269), (276, 16413), (282, 16455), (291, 16503), (292, 16506), (314, 16617), (317, 16635), (341, 16740), (351, 16788), (425, 16893), (447, 16953), (468, 17007), (487, 17043), (498, 17067), (502, 17076), (526, 17139), (537, 17160), (542, 17175), (552, 17199), (556, 17211), (584, 17265), (592, 17286), (605, 17316), (659, 17487), (667, 17508), (700, 17592), (770, 17895), (796, 18018), (797, 18030),

Gene: Oogway_23 Start: 16332, Stop: 18812, Start Num: 77

Candidate Starts for Oogway_23:

(Start: 77 @16332 has 209 MA's), (90, 16371), (Start: 107 @16434 has 1 MA's), (Start: 115 @16464 has 23 MA's), (128, 16506), (223, 16713), (229, 16731), (252, 16821), (265, 16884), (272, 16908), (274, 16920), (282, 16971), (393, 17355), (450, 17457), (462, 17496), (470, 17523), (480, 17547), (566, 17775), (598, 17877), (605, 17898), (617, 17940), (640, 18039), (651, 18102), (717, 18321), (725, 18354), (778, 18636), (794, 18723), (798, 18762),

Gene: Orange_26 Start: 17163, Stop: 19709, Start Num: 71

Candidate Starts for Orange_26:

(Start: 71 @17163 has 22 MA's), (Start: 78 @17181 has 2 MA's), (127, 17355), (Start: 129 @17364 has 1 MA's), (166, 17439), (189, 17493), (206, 17547), (211, 17562), (212, 17565), (217, 17583), (233, 17646), (237, 17658), (252, 17721), (265, 17784), (269, 17799), (272, 17808), (276, 17829), (280, 17853), (282, 17868), (300, 17955), (302, 17958), (307, 17973), (310, 17994), (312, 18006), (321, 18072), (335, 18144), (341, 18168), (371, 18249), (374, 18258), (378, 18270), (393, 18312), (422, 18369), (442, 18423), (481, 18531), (495, 18570), (546, 18711), (580, 18807), (589, 18828), (602, 18861), (613, 18894), (614, 18897), (639, 18981), (648, 19026), (649, 19029), (680, 19143), (690, 19176), (714, 19248), (724, 19284), (738, 19356), (750, 19434), (760, 19488), (769, 19512), (795, 19623),

Gene: P28Green_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for P28Green_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (363, 17453), (366, 17465), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (585, 18092), (605, 18152), (613, 18182), (614, 18185), (617, 18194), (656, 18377), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938), (797, 18950),

Gene: PGHhamlin_29 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for PGHhamlin_29:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245,

16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: PP_35 Start: 21773, Stop: 24784, Start Num: 13

Candidate Starts for PP_35:

(Start: 13 @21773 has 1 MA's), (29, 21896), (30, 21902), (50, 22010), (52, 22013), (53, 22022), (55, 22034), (Start: 76 @22115 has 49 MA's), (102, 22229), (109, 22253), (127, 22325), (133, 22346), (136, 22355), (138, 22361), (181, 22526), (184, 22547), (202, 22604), (215, 22643), (220, 22673), (223, 22691), (228, 22706), (229, 22709), (233, 22724), (238, 22745), (252, 22799), (265, 22862), (274, 22898), (276, 22907), (279, 22928), (282, 22949), (318, 23138), (339, 23216), (346, 23249), (378, 23297), (413, 23348), (415, 23351), (432, 23396), (503, 23567), (527, 23615), (543, 23660), (558, 23714), (566, 23735), (574, 23768), (592, 23834), (596, 23846), (607, 23891), (617, 23924), (622, 23945), (624, 23948), (646, 24056), (655, 24110), (656, 24113), (662, 24131), (677, 24188), (685, 24218), (709, 24293), (715, 24314), (723, 24353), (735, 24407), (745, 24467), (751, 24500), (761, 24563), (763, 24572), (784, 24662), (789, 24677), (797, 24728),

Gene: PSullivan_26 Start: 16832, Stop: 19303, Start Num: 77

Candidate Starts for PSullivan_26:

(Start: 77 @16832 has 209 MA's), (90, 16871), (Start: 107 @16934 has 1 MA's), (Start: 115 @16964 has 23 MA's), (Start: 121 @16985 has 10 MA's), (128, 17006), (133, 17018), (176, 17036), (201, 17126), (252, 17324), (258, 17357), (274, 17423), (321, 17678), (325, 17699), (331, 17726), (402, 17885), (428, 17921), (467, 18014), (473, 18035), (497, 18092), (543, 18212), (554, 18248), (566, 18278), (578, 18314), (598, 18380), (605, 18401), (640, 18542), (675, 18683), (683, 18704), (723, 18839), (752, 19016), (778, 19127), (790, 19193), (794, 19214), (798, 19253), (799, 19268),

Gene: PacerPaul_24 Start: 16642, Stop: 19113, Start Num: 77

Candidate Starts for PacerPaul_24:

(Start: 77 @16642 has 209 MA's), (90, 16681), (Start: 107 @16744 has 1 MA's), (Start: 115 @16774 has 23 MA's), (Start: 121 @16795 has 10 MA's), (128, 16816), (176, 16846), (182, 16870), (201, 16936), (252, 17134), (258, 17167), (274, 17233), (321, 17488), (325, 17509), (331, 17536), (402, 17695), (428, 17731), (467, 17824), (473, 17845), (480, 17860), (491, 17881), (493, 17884), (518, 17953), (529, 17989), (543, 18022), (554, 18058), (566, 18088), (578, 18124), (598, 18190), (605, 18211), (640, 18352), (675, 18493), (683, 18514), (723, 18649), (752, 18826), (778, 18937), (790, 19003), (794, 19024), (798, 19063), (799, 19078),

Gene: PackMan_27 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for PackMan_27:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (84, 17821), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (339, 18871), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (546, 19510), (558, 19552), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: Palestino_24 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Palestino_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (527, 17355), (545, 17409), (558, 17454), (576, 17514), (579, 17532), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Panamaxus_25 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for Panamaxus_25:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Papez_26 Start: 18048, Stop: 20528, Start Num: 77

Candidate Starts for Papez_26:

(Start: 77 @18048 has 209 MA's), (90, 18087), (Start: 107 @18150 has 1 MA's), (Start: 115 @18180 has 23 MA's), (128, 18222), (223, 18429), (229, 18447), (252, 18537), (265, 18600), (272, 18624), (274, 18636), (282, 18687), (393, 19071), (450, 19173), (462, 19212), (470, 19239), (480, 19263), (566, 19491), (598, 19593), (605, 19614), (608, 19626), (617, 19656), (640, 19755), (651, 19818), (717, 20037), (725, 20070), (778, 20352), (794, 20439), (798, 20478), (800, 20508),

Gene: Paphu_23 Start: 15792, Stop: 18626, Start Num: 77

Candidate Starts for Paphu_23:

(Start: 77 @15792 has 209 MA's), (98, 15864), (198, 16107), (203, 16122), (217, 16167), (242, 16287), (246, 16305), (254, 16353), (261, 16398), (274, 16443), (275, 16446), (282, 16494), (316, 16677), (320, 16704), (335, 16788), (345, 16845), (349, 16863), (362, 16908), (369, 16944), (383, 17004), (399, 17052), (416, 17115), (417, 17118), (451, 17235), (461, 17271), (467, 17298), (470, 17310), (477, 17328), (484, 17343), (506, 17406), (549, 17535), (564, 17580), (572, 17613), (575, 17625), (613, 17754), (636, 17850), (655, 17937), (656, 17940), (662, 17958), (723, 18162), (752, 18339), (778, 18450), (794, 18537), (798, 18576), (799, 18591),

Gene: Paraselene_23 Start: 16163, Stop: 18997, Start Num: 77

Candidate Starts for Paraselene_23:

(Start: 77 @16163 has 209 MA's), (98, 16235), (198, 16478), (203, 16493), (217, 16538), (242, 16658), (246, 16676), (254, 16724), (261, 16769), (274, 16814), (275, 16817), (282, 16865), (316, 17048), (320, 17075), (335, 17159), (345, 17216), (349, 17234), (362, 17279), (369, 17315), (380, 17357), (383, 17375), (399, 17423), (416, 17486), (417, 17489), (451, 17606), (461, 17642), (467, 17669), (470, 17681), (477, 17699), (484, 17714), (506, 17777), (549, 17906), (564, 17951), (572, 17984), (575, 17996), (613, 18125), (636, 18221), (655, 18308), (656, 18311), (662, 18329), (723, 18533), (752, 18710), (778, 18821), (786, 18875), (794, 18908), (798, 18947), (799, 18962),

Gene: Pari_25 Start: 16564, Stop: 18564, Start Num: 77

Candidate Starts for Pari_25:

(Start: 77 @16564 has 209 MA's), (90, 16603), (Start: 107 @16666 has 1 MA's), (Start: 115 @16696 has 23 MA's), (Start: 121 @16717 has 10 MA's), (179, 16777), (205, 16873), (223, 16942), (227,

16954), (252, 17050), (258, 17083), (308, 17317), (405, 17605), (485, 17707), (491, 17719), (524, 17797), (541, 17839), (561, 17893), (566, 17905), (573, 17920), (577, 17938), (579, 17950), (608, 18028), (617, 18058), (640, 18154), (698, 18364), (737, 18514),

Gene: Parliament_23 Start: 16450, Stop: 18921, Start Num: 77

Candidate Starts for Parliament_23:

(Start: 77 @16450 has 209 MA's), (90, 16489), (Start: 107 @16552 has 1 MA's), (Start: 115 @16582 has 23 MA's), (Start: 121 @16603 has 10 MA's), (128, 16624), (176, 16654), (182, 16678), (201, 16744), (252, 16942), (258, 16975), (274, 17041), (321, 17296), (325, 17317), (331, 17344), (402, 17503), (428, 17539), (467, 17632), (473, 17653), (497, 17710), (543, 17830), (554, 17866), (566, 17896), (578, 17932), (598, 17998), (605, 18019), (640, 18160), (675, 18301), (683, 18322), (723, 18457), (752, 18634), (778, 18745), (790, 18811), (794, 18832), (798, 18871), (800, 18901),

Gene: PascalRango_23 Start: 16002, Stop: 18614, Start Num: 77

Candidate Starts for PascalRango_23:

(Start: 77 @16002 has 209 MA's), (83, 16017), (Start: 107 @16101 has 1 MA's), (110, 16107), (Start: 115 @16131 has 23 MA's), (186, 16239), (237, 16410), (251, 16470), (252, 16473), (277, 16596), (282, 16626), (295, 16689), (341, 16908), (359, 16980), (376, 17028), (397, 17073), (466, 17298), (467, 17307), (480, 17343), (489, 17358), (497, 17385), (567, 17589), (603, 17703), (605, 17712), (612, 17733), (617, 17754), (640, 17853), (643, 17874), (648, 17895), (649, 17898), (688, 18027), (714, 18111), (726, 18156), (778, 18438), (790, 18504), (794, 18525), (798, 18564), (799, 18579),

Gene: PattyP_26 Start: 16629, Stop: 19100, Start Num: 77

Candidate Starts for PattyP_26:

(Start: 77 @16629 has 209 MA's), (90, 16668), (Start: 107 @16731 has 1 MA's), (Start: 115 @16761 has 23 MA's), (Start: 121 @16782 has 10 MA's), (128, 16803), (133, 16815), (176, 16833), (182, 16857), (201, 16923), (252, 17121), (258, 17154), (274, 17220), (321, 17475), (325, 17496), (331, 17523), (402, 17682), (428, 17718), (467, 17811), (473, 17832), (497, 17889), (543, 18009), (554, 18045), (566, 18075), (578, 18111), (598, 18177), (605, 18198), (640, 18339), (675, 18480), (683, 18501), (723, 18636), (752, 18813), (778, 18924), (790, 18990), (794, 19011), (798, 19050), (799, 19065),

Gene: Pawn_27 Start: 16057, Stop: 19083, Start Num: 17

Candidate Starts for Pawn_27:

(11, 16003), (Start: 17 @16057 has 84 MA's), (36, 16171), (48, 16237), (49, 16240), (51, 16249), (60, 16285), (69, 16336), (93, 16408), (106, 16480), (141, 16600), (142, 16603), (158, 16672), (170, 16717), (197, 16810), (203, 16819), (217, 16864), (226, 16903), (233, 16927), (237, 16939), (245, 16972), (249, 16990), (253, 17011), (264, 17059), (267, 17065), (269, 17080), (272, 17089), (274, 17101), (276, 17110), (292, 17203), (312, 17290), (315, 17320), (316, 17323), (323, 17350), (325, 17362), (336, 17416), (341, 17437), (346, 17467), (358, 17503), (393, 17629), (411, 17683), (424, 17728), (438, 17776), (452, 17818), (453, 17827), (462, 17857), (484, 17929), (488, 17935), (504, 17956), (505, 17959), (512, 17971), (553, 18088), (555, 18097), (585, 18169), (587, 18172), (600, 18208), (613, 18259), (614, 18262), (617, 18271), (656, 18454), (678, 18520), (681, 18532), (701, 18574), (718, 18637), (734, 18694), (744, 18763), (751, 18799), (770, 18880), (796, 19015), (797, 19027),

Gene: Payneful_24 Start: 15902, Stop: 18370, Start Num: 77

Candidate Starts for Payneful_24:

(Start: 77 @15902 has 209 MA's), (83, 15917), (Start: 115 @16031 has 23 MA's), (Start: 121 @16052 has 10 MA's), (128, 16073), (176, 16103), (201, 16193), (252, 16391), (258, 16424), (274, 16490), (321, 16745), (325, 16766), (331, 16793), (402, 16952), (428, 16988), (467, 17081), (473, 17102), (480, 17117), (491, 17138), (493, 17141), (518, 17210), (529, 17246), (543, 17279), (554, 17315), (566, 17345), (578, 17381), (598, 17447), (605, 17468), (640, 17609), (675, 17750), (683, 17771),

(723, 17906), (752, 18083), (778, 18194), (790, 18260), (794, 18281), (798, 18320), (800, 18350),

Gene: PeaceMeal1_24 Start: 13789, Stop: 16521, Start Num: 74

Candidate Starts for PeaceMeal1_24:

(Start: 74 @13789 has 124 MA's), (Start: 121 @13966 has 10 MA's), (146, 14041), (149, 14053), (192, 14215), (200, 14236), (204, 14248), (213, 14278), (219, 14311), (230, 14356), (236, 14374), (239, 14389), (240, 14398), (247, 14419), (266, 14524), (274, 14566), (305, 14731), (333, 14893), (339, 14920), (423, 15097), (436, 15142), (459, 15217), (471, 15265), (472, 15268), (481, 15289), (483, 15292), (505, 15337), (533, 15412), (535, 15415), (543, 15436), (549, 15460), (569, 15526), (577, 15556), (579, 15568), (604, 15655), (608, 15670), (624, 15724), (640, 15799), (652, 15877), (656, 15889), (662, 15907), (673, 15946), (678, 15958), (681, 15970), (697, 16012), (701, 16024), (706, 16036), (711, 16051), (718, 16072), (720, 16084), (760, 16297), (778, 16357), (785, 16402), (796, 16453), (800, 16501),

Gene: Peaches_25 Start: 15884, Stop: 18484, Start Num: 74

Candidate Starts for Peaches_25:

(Start: 74 @15884 has 124 MA's), (Start: 115 @16025 has 23 MA's), (Start: 121 @16043 has 10 MA's), (180, 16250), (189, 16289), (196, 16319), (229, 16436), (237, 16463), (252, 16526), (265, 16589), (276, 16634), (282, 16676), (299, 16760), (387, 17027), (415, 17078), (432, 17123), (460, 17201), (470, 17234), (472, 17240), (521, 17336), (523, 17345), (545, 17408), (550, 17429), (559, 17456), (576, 17513), (577, 17519), (592, 17573), (605, 17621), (624, 17687), (656, 17852), (662, 17870), (706, 17996), (756, 18248), (757, 18251), (760, 18260), (778, 18320), (796, 18416), (800, 18464),

Gene: Pelly_25 Start: 16859, Stop: 19519, Start Num: 77

Candidate Starts for Pelly_25:

(Start: 77 @16859 has 209 MA's), (90, 16898), (Start: 107 @16961 has 1 MA's), (110, 16967), (Start: 115 @16991 has 23 MA's), (128, 17033), (252, 17342), (265, 17405), (276, 17450), (281, 17474), (295, 17549), (298, 17561), (369, 17882), (467, 18212), (489, 18263), (497, 18290), (567, 18494), (603, 18608), (605, 18617), (612, 18638), (617, 18659), (640, 18758), (648, 18800), (649, 18803), (688, 18932), (714, 19016), (726, 19061), (778, 19343), (794, 19430), (798, 19469), (799, 19484),

Gene: Pembroke_27 Start: 15980, Stop: 19006, Start Num: 17

Candidate Starts for Pembroke_27:

(11, 15926), (Start: 17 @15980 has 84 MA's), (36, 16094), (48, 16160), (49, 16163), (51, 16172), (60, 16208), (69, 16259), (93, 16331), (106, 16403), (141, 16523), (142, 16526), (158, 16595), (170, 16640), (197, 16733), (203, 16742), (209, 16760), (217, 16787), (233, 16850), (237, 16862), (245, 16895), (249, 16913), (261, 16979), (264, 16982), (267, 16988), (269, 17003), (272, 17012), (274, 17024), (276, 17033), (292, 17126), (315, 17243), (316, 17246), (323, 17273), (325, 17285), (336, 17339), (341, 17360), (358, 17426), (363, 17453), (395, 17558), (411, 17606), (424, 17651), (438, 17699), (452, 17741), (453, 17750), (462, 17780), (463, 17783), (465, 17795), (484, 17852), (488, 17858), (504, 17879), (505, 17882), (555, 18020), (558, 18032), (585, 18092), (605, 18152), (613, 18182), (614, 18185), (617, 18194), (640, 18287), (656, 18377), (678, 18443), (681, 18455), (701, 18497), (718, 18560), (734, 18617), (744, 18686), (751, 18722), (770, 18803), (796, 18938),

Gene: Penny1_27 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for Penny1_27:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424,

17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Pepe_25 Start: 16870, Stop: 19701, Start Num: 77

Candidate Starts for Pepe_25:

(Start: 77 @16870 has 209 MA's), (83, 16885), (198, 17182), (217, 17242), (242, 17362), (246, 17380), (261, 17473), (274, 17518), (275, 17521), (282, 17569), (316, 17752), (320, 17779), (335, 17863), (345, 17920), (349, 17938), (351, 17947), (369, 18019), (373, 18037), (383, 18079), (385, 18082), (399, 18127), (416, 18190), (417, 18193), (451, 18310), (461, 18346), (467, 18373), (470, 18385), (477, 18403), (484, 18418), (506, 18481), (549, 18610), (564, 18655), (572, 18688), (575, 18700), (613, 18829), (636, 18925), (655, 19012), (656, 19015), (662, 19033), (723, 19237), (752, 19414), (778, 19525), (794, 19612), (798, 19651), (799, 19666),

Gene: Perplexer_25 Start: 15879, Stop: 18479, Start Num: 74

Candidate Starts for Perplexer_25:

(Start: 74 @15879 has 124 MA's), (171, 16221), (184, 16269), (202, 16326), (229, 16431), (233, 16446), (237, 16458), (252, 16521), (276, 16629), (279, 16650), (282, 16671), (387, 17022), (415, 17073), (432, 17118), (470, 17229), (472, 17235), (521, 17331), (531, 17367), (545, 17403), (559, 17451), (592, 17568), (624, 17682), (656, 17847), (662, 17865), (701, 17979), (706, 17991), (733, 18081), (747, 18174), (757, 18246), (760, 18255), (778, 18315), (779, 18324), (791, 18378), (796, 18411), (800, 18459),

Gene: Perseus_25 Start: 16486, Stop: 18966, Start Num: 77

Candidate Starts for Perseus_25:

(Start: 77 @16486 has 209 MA's), (90, 16525), (Start: 107 @16588 has 1 MA's), (Start: 115 @16618 has 23 MA's), (128, 16660), (223, 16867), (229, 16885), (252, 16975), (265, 17038), (272, 17062), (274, 17074), (282, 17125), (393, 17509), (450, 17611), (462, 17650), (467, 17665), (480, 17701), (529, 17830), (566, 17929), (598, 18031), (605, 18052), (608, 18064), (617, 18094), (640, 18193), (651, 18256), (717, 18475), (725, 18508), (778, 18790), (794, 18877), (798, 18916),

Gene: PeterPeter_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for PeterPeter_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Petersenfast_25 Start: 17178, Stop: 19706, Start Num: 78

Candidate Starts for Petersenfast_25:

(Start: 71 @17160 has 22 MA's), (Start: 78 @17178 has 2 MA's), (127, 17352), (Start: 129 @17361 has 1 MA's), (166, 17436), (189, 17490), (206, 17544), (211, 17559), (212, 17562), (217, 17580), (233, 17643), (237, 17655), (252, 17718), (265, 17781), (269, 17796), (272, 17805), (276, 17826), (280, 17850), (282, 17865), (300, 17952), (302, 17955), (307, 17970), (310, 17991), (312, 18003), (321, 18069), (335, 18141), (341, 18165), (371, 18246), (374, 18255), (378, 18267), (393, 18309), (422, 18366), (442, 18420), (481, 18528), (495, 18567), (546, 18708), (580, 18804), (589, 18825), (602, 18858), (613, 18891), (614, 18894), (639, 18978), (648, 19023), (649, 19026), (680, 19140), (690, 19173), (714, 19245), (724, 19281), (738, 19353), (750, 19431), (760, 19485), (769, 19509), (795, 19620),

Gene: Peterson_27 Start: 18069, Stop: 20729, Start Num: 77

Candidate Starts for Peterson_27:

(Start: 77 @18069 has 209 MA's), (90, 18108), (Start: 107 @18171 has 1 MA's), (110, 18177), (Start: 115 @18201 has 23 MA's), (128, 18243), (252, 18552), (276, 18660), (281, 18684), (295, 18759), (298, 18771), (369, 19092), (467, 19422), (489, 19473), (497, 19500), (567, 19704), (603, 19818), (605, 19827), (612, 19848), (617, 19869), (640, 19968), (648, 20010), (649, 20013), (688, 20142), (714, 20226), (726, 20271), (778, 20553), (794, 20640), (798, 20679), (799, 20694),

Gene: PetiteSangusue_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for PetiteSangusue_25:

(Start: 74 @15885 has 124 MA's), (171, 16227), (184, 16275), (202, 16332), (229, 16437), (233, 16452), (237, 16464), (252, 16527), (276, 16635), (279, 16656), (282, 16677), (387, 17028), (415, 17079), (432, 17124), (470, 17235), (472, 17241), (521, 17337), (531, 17373), (545, 17409), (559, 17457), (592, 17574), (624, 17688), (656, 17853), (662, 17871), (701, 17985), (706, 17997), (733, 18087), (747, 18180), (757, 18252), (760, 18261), (778, 18321), (779, 18330), (796, 18417), (800, 18465),

Gene: Petp2012_26 Start: 17297, Stop: 19771, Start Num: 77

Candidate Starts for Petp2012_26:

(Start: 77 @17297 has 209 MA's), (90, 17336), (Start: 107 @17399 has 1 MA's), (Start: 115 @17429 has 23 MA's), (Start: 121 @17450 has 10 MA's), (205, 17606), (227, 17687), (252, 17783), (258, 17816), (274, 17882), (341, 18218), (377, 18290), (453, 18437), (470, 18482), (480, 18506), (529, 18635), (566, 18734), (598, 18836), (605, 18857), (617, 18899), (640, 18998), (651, 19061), (678, 19151), (717, 19280), (725, 19313), (778, 19595), (790, 19661), (794, 19682), (798, 19721), (799, 19736),

Gene: Petruccio_24 Start: 16327, Stop: 18795, Start Num: 77

Candidate Starts for Petruccio_24:

(Start: 77 @16327 has 209 MA's), (90, 16366), (Start: 107 @16429 has 1 MA's), (Start: 115 @16459 has 23 MA's), (Start: 121 @16480 has 10 MA's), (128, 16501), (133, 16513), (176, 16531), (187, 16576), (201, 16621), (252, 16816), (258, 16849), (274, 16915), (321, 17170), (325, 17191), (331, 17218), (339, 17257), (354, 17314), (388, 17344), (402, 17377), (428, 17413), (467, 17506), (473, 17527), (497, 17584), (543, 17704), (554, 17740), (566, 17770), (578, 17806), (598, 17872), (605, 17893), (640, 18034), (675, 18175), (683, 18196), (723, 18331), (778, 18619), (794, 18706), (798, 18745),

Gene: PetterN_23 Start: 15059, Stop: 17872, Start Num: 4

Candidate Starts for PetterN_23:

(Start: 4 @15059 has 8 MA's), (24, 15248), (136, 15731), (138, 15737), (159, 15830), (176, 15881), (184, 15917), (213, 16007), (227, 16073), (233, 16094), (252, 16169), (258, 16202), (272, 16256), (277, 16289), (278, 16292), (280, 16301), (299, 16400), (303, 16409), (308, 16433), (334, 16562), (389, 16676), (415, 16718), (418, 16727), (445, 16793), (475, 16886), (493, 16919), (552, 17006), (586, 17039), (590, 17051), (601, 17081), (629, 17144), (635, 17186), (654, 17258), (663, 17285), (668, 17300), (675, 17327), (687, 17348), (719, 17435), (731, 17465), (732, 17468), (742, 17528), (756, 17627), (760, 17639), (763, 17651), (766, 17660), (796, 17807),

Gene: Ph8s_27 Start: 15361, Stop: 17886, Start Num: 85

Candidate Starts for Ph8s_27:

(Start: 85 @15361 has 3 MA's), (88, 15379), (Start: 114 @15484 has 5 MA's), (134, 15550), (135, 15553), (137, 15556), (147, 15586), (217, 15805), (225, 15841), (237, 15880), (249, 15931), (258, 15976), (261, 15997), (272, 16030), (275, 16045), (276, 16051), (279, 16072), (315, 16261), (322, 16288), (325, 16303), (336, 16357), (341, 16378), (358, 16444), (424, 16669), (430, 16684), (435,

16711), (440, 16726), (457, 16780), (459, 16789), (466, 16816), (469, 16834), (484, 16870), (504, 16897), (505, 16900), (518, 16939), (522, 16951), (555, 17038), (585, 17110), (596, 17137), (613, 17200), (626, 17245), (664, 17407), (707, 17470), (746, 17596), (761, 17668), (768, 17686), (769, 17689), (784, 17764), (795, 17800),

Gene: Phacado_25 Start: 15884, Stop: 18484, Start Num: 74

Candidate Starts for Phacado_25:

(Start: 74 @15884 has 124 MA's), (Start: 115 @16025 has 23 MA's), (Start: 121 @16043 has 10 MA's), (180, 16250), (189, 16289), (196, 16319), (229, 16436), (237, 16463), (252, 16526), (265, 16589), (276, 16634), (282, 16676), (299, 16760), (387, 17027), (415, 17078), (432, 17123), (460, 17201), (470, 17234), (472, 17240), (481, 17261), (545, 17408), (550, 17429), (558, 17453), (577, 17519), (592, 17573), (605, 17621), (624, 17687), (656, 17852), (662, 17870), (706, 17996), (756, 18248), (757, 18251), (760, 18260), (778, 18320), (796, 18416), (800, 18464),

Gene: Phaded_29 Start: 18699, Stop: 21095, Start Num: 108

Candidate Starts for Phaded_29:

(Start: 108 @18699 has 6 MA's), (Start: 114 @18717 has 5 MA's), (123, 18750), (126, 18756), (152, 18852), (162, 18894), (183, 18957), (184, 18960), (213, 19050), (217, 19065), (222, 19095), (223, 19104), (234, 19140), (237, 19149), (252, 19212), (258, 19245), (269, 19290), (274, 19311), (276, 19320), (294, 19425), (322, 19566), (394, 19734), (396, 19740), (434, 19812), (494, 19980), (504, 19998), (559, 20154), (579, 20208), (593, 20244), (612, 20295), (628, 20355), (634, 20388), (635, 20400), (643, 20433), (644, 20436), (682, 20574), (687, 20586), (705, 20628), (718, 20664), (720, 20676), (722, 20682), (764, 20892),

Gene: Phaeder_27 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for Phaeder_27:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (84, 17821), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (339, 18871), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (546, 19510), (558, 19552), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: Phantastic_25 Start: 15463, Stop: 18498, Start Num: 16

Candidate Starts for Phantastic_25:

(Start: 16 @15463 has 33 MA's), (46, 15637), (49, 15649), (54, 15682), (106, 15892), (130, 15979), (141, 16012), (142, 16015), (197, 16219), (203, 16228), (207, 16240), (217, 16273), (230, 16327), (233, 16336), (237, 16348), (245, 16381), (249, 16399), (252, 16411), (268, 16477), (274, 16510), (276, 16519), (292, 16612), (315, 16729), (325, 16771), (336, 16825), (341, 16846), (358, 16912), (411, 17092), (430, 17152), (437, 17182), (452, 17227), (453, 17236), (462, 17266), (465, 17281), (469, 17302), (484, 17338), (504, 17365), (505, 17368), (514, 17389), (538, 17452), (558, 17518), (585, 17578), (600, 17617), (605, 17638), (613, 17668), (614, 17671), (617, 17680), (624, 17704), (640, 17773), (643, 17794), (656, 17863), (662, 17881), (678, 17929), (681, 17941), (701, 17983), (704, 17995), (717, 18043), (718, 18046), (751, 18214), (762, 18274), (768, 18286), (770, 18295), (796, 18430), (800, 18478),

Gene: Pharaoh_26 Start: 17176, Stop: 20193, Start Num: 9

Candidate Starts for Pharaoh_26:

(6, 17146), (Start: 9 @17176 has 5 MA's), (Start: 31 @17353 has 33 MA's), (33, 17356), (35, 17365), (63, 17500), (87, 17596), (98, 17647), (113, 17710), (124, 17752), (141, 17806), (142, 17809), (176, 17938), (199, 18025), (208, 18046), (215, 18067), (230, 18130), (232, 18136), (237, 18151), (244, 18181), (248, 18193), (249, 18202), (257, 18238), (264, 18271), (276, 18322), (279, 18343), (280, 18346), (315, 18532), (325, 18574), (328, 18592), (336, 18628), (341, 18649), (358, 18715), (361, 18733), (363, 18742), (366, 18754), (372, 18787), (384, 18817), (401, 18865), (424, 18940), (459, 19060), (466, 19087), (469, 19105), (474, 19120), (484, 19141), (504, 19168), (514, 19192), (539, 19255), (595, 19408), (600, 19420), (613, 19471), (626, 19516), (647, 19612), (696, 19741), (701, 19750), (730, 19831), (746, 19903), (769, 19990), (784, 20065), (792, 20092), (797, 20131),

Gene: Phelipe_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Phelipe_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (210, 16356), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: PherrisBueller_25 Start: 16235, Stop: 18706, Start Num: 77

Candidate Starts for PherrisBueller_25:

(Start: 77 @16235 has 209 MA's), (90, 16274), (Start: 107 @16337 has 1 MA's), (Start: 115 @16367 has 23 MA's), (Start: 121 @16388 has 10 MA's), (128, 16409), (176, 16439), (182, 16463), (201, 16529), (252, 16727), (258, 16760), (274, 16826), (321, 17081), (325, 17102), (331, 17129), (402, 17288), (428, 17324), (467, 17417), (473, 17438), (497, 17495), (543, 17615), (554, 17651), (566, 17681), (578, 17717), (598, 17783), (605, 17804), (640, 17945), (675, 18086), (683, 18107), (723, 18242), (752, 18419), (778, 18530), (794, 18617), (798, 18656), (800, 18686),

Gene: Phighter1804_25 Start: 15863, Stop: 18463, Start Num: 74

Candidate Starts for Phighter1804_25:

(Start: 74 @15863 has 124 MA's), (Start: 115 @16004 has 23 MA's), (Start: 121 @16022 has 10 MA's), (180, 16229), (196, 16298), (229, 16415), (237, 16442), (252, 16505), (265, 16568), (276, 16613), (282, 16655), (299, 16739), (344, 16946), (387, 17006), (415, 17057), (432, 17102), (460, 17180), (470, 17213), (472, 17219), (527, 17333), (545, 17387), (558, 17432), (576, 17492), (592, 17552), (624, 17666), (628, 17684), (656, 17831), (662, 17849), (706, 17975), (756, 18227), (757, 18230), (760, 18239), (777, 18296), (778, 18299), (785, 18344), (796, 18395), (800, 18443),

Gene: PhineBark_23 Start: 17126, Stop: 19597, Start Num: 77

Candidate Starts for PhineBark_23:

(Start: 77 @17126 has 209 MA's), (90, 17165), (Start: 107 @17228 has 1 MA's), (Start: 115 @17258 has 23 MA's), (Start: 121 @17279 has 10 MA's), (128, 17300), (176, 17330), (182, 17354), (201, 17420), (252, 17618), (258, 17651), (274, 17717), (321, 17972), (325, 17993), (331, 18020), (402, 18179), (428, 18215), (467, 18308), (473, 18329), (497, 18386), (543, 18506), (554, 18542), (566, 18572), (578, 18608), (598, 18674), (605, 18695), (640, 18836), (675, 18977), (683, 18998), (723, 19133), (752, 19310), (778, 19421), (790, 19487), (794, 19508), (798, 19547), (799, 19562),

Gene: PhishRPhriends_26 Start: 15241, Stop: 18267, Start Num: 17

Candidate Starts for PhishRPhriends_26:

(11, 15187), (Start: 17 @15241 has 84 MA's), (36, 15355), (48, 15421), (49, 15424), (51, 15433), (60, 15469), (69, 15520), (93, 15592), (106, 15664), (141, 15784), (142, 15787), (158, 15856), (170, 15901), (197, 15994), (203, 16003), (217, 16048), (226, 16087), (233, 16111), (237, 16123), (245, 16156), (249, 16174), (253, 16195), (264, 16243), (267, 16249), (269, 16264), (272, 16273), (274, 16285), (276, 16294), (292, 16387), (312, 16474), (315, 16504), (316, 16507), (323, 16534), (325,

16546), (336, 16600), (341, 16621), (346, 16651), (358, 16687), (393, 16813), (411, 16867), (424, 16912), (437, 16957), (438, 16960), (452, 17002), (453, 17011), (462, 17041), (484, 17113), (488, 17119), (504, 17140), (505, 17143), (512, 17155), (553, 17272), (555, 17281), (585, 17353), (587, 17356), (600, 17392), (613, 17443), (614, 17446), (617, 17455), (656, 17638), (678, 17704), (681, 17716), (701, 17758), (718, 17821), (734, 17878), (744, 17947), (751, 17983), (770, 18064), (796, 18199), (797, 18211),

Gene: Phlippers_23 Start: 17321, Stop: 19900, Start Num: 77

Candidate Starts for Phlippers_23:

(Start: 77 @17321 has 209 MA's), (90, 17360), (Start: 107 @17423 has 1 MA's), (Start: 115 @17453 has 23 MA's), (216, 17672), (224, 17708), (265, 17876), (276, 17921), (280, 17945), (282, 17963), (344, 18275), (409, 18431), (446, 18533), (455, 18566), (481, 18638), (497, 18677), (529, 18764), (566, 18863), (598, 18965), (605, 18986), (608, 18998), (617, 19028), (640, 19127), (651, 19190), (678, 19280), (717, 19409), (725, 19442), (752, 19613), (778, 19724), (790, 19790), (794, 19811), (798, 19850), (800, 19880),

Gene: Phoebe_27 Start: 15977, Stop: 19003, Start Num: 17

Candidate Starts for Phoebe_27:

(11, 15923), (Start: 17 @15977 has 84 MA's), (36, 16091), (48, 16157), (49, 16160), (51, 16169), (60, 16205), (69, 16256), (93, 16328), (106, 16400), (141, 16520), (142, 16523), (158, 16592), (170, 16637), (197, 16730), (203, 16739), (209, 16757), (217, 16784), (233, 16847), (237, 16859), (245, 16892), (249, 16910), (261, 16976), (264, 16979), (267, 16985), (269, 17000), (272, 17009), (274, 17021), (276, 17030), (292, 17123), (315, 17240), (316, 17243), (323, 17270), (325, 17282), (336, 17336), (341, 17357), (358, 17423), (363, 17450), (395, 17555), (411, 17603), (424, 17648), (438, 17696), (452, 17738), (453, 17747), (462, 17777), (463, 17780), (465, 17792), (484, 17849), (488, 17855), (504, 17876), (505, 17879), (555, 18017), (558, 18029), (585, 18089), (605, 18149), (613, 18179), (614, 18182), (617, 18191), (640, 18284), (656, 18374), (678, 18440), (681, 18452), (701, 18494), (718, 18557), (734, 18614), (744, 18683), (751, 18719), (770, 18800), (796, 18935),

Gene: Phonnegut_27 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for Phonnegut_27:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (84, 17854), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (151, 18118), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (339, 18904), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (523, 19489), (546, 19543), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: Phontbonne_25 Start: 15829, Stop: 18429, Start Num: 74

Candidate Starts for Phontbonne_25:

(Start: 74 @15829 has 124 MA's), (Start: 115 @15970 has 23 MA's), (Start: 121 @15988 has 10 MA's), (180, 16195), (189, 16234), (196, 16264), (229, 16381), (237, 16408), (252, 16471), (265, 16534), (276, 16579), (282, 16621), (299, 16705), (344, 16912), (387, 16972), (415, 17023), (432, 17068), (460, 17146), (470, 17179), (472, 17185), (545, 17353), (550, 17374), (558, 17398), (576, 17458), (577, 17464), (578, 17467), (592, 17518), (605, 17566), (624, 17632), (656, 17797), (662, 17815), (706, 17941), (756, 18193), (757, 18196), (760, 18205), (778, 18265), (796, 18361), (800, 18409),

Gene: Phoxy_27 Start: 16063, Stop: 19089, Start Num: 17

Candidate Starts for Phoxy_27:

(11, 16009), (Start: 17 @16063 has 84 MA's), (36, 16177), (48, 16243), (49, 16246), (51, 16255), (60, 16291), (69, 16342), (93, 16414), (106, 16486), (141, 16606), (142, 16609), (158, 16678), (170, 16723), (197, 16816), (203, 16825), (209, 16843), (217, 16870), (233, 16933), (237, 16945), (245, 16978), (249, 16996), (261, 17062), (264, 17065), (267, 17071), (269, 17086), (272, 17095), (274, 17107), (276, 17116), (288, 17194), (292, 17209), (315, 17326), (316, 17329), (323, 17356), (325, 17368), (336, 17422), (341, 17443), (358, 17509), (366, 17548), (395, 17641), (411, 17689), (424, 17734), (452, 17824), (453, 17833), (462, 17863), (477, 17920), (484, 17935), (504, 17962), (505, 17965), (555, 18103), (558, 18115), (585, 18175), (604, 18232), (640, 18370), (643, 18391), (647, 18415), (656, 18460), (662, 18478), (678, 18526), (681, 18538), (701, 18580), (718, 18643), (734, 18700), (744, 18769), (751, 18805), (770, 18886), (796, 19021),

Gene: Phranny_28 Start: 16049, Stop: 19075, Start Num: 17

Candidate Starts for Phranny_28:

(11, 15995), (Start: 17 @16049 has 84 MA's), (36, 16163), (48, 16229), (49, 16232), (51, 16241), (60, 16277), (69, 16328), (93, 16400), (106, 16472), (141, 16592), (142, 16595), (158, 16664), (170, 16709), (197, 16802), (203, 16811), (217, 16856), (226, 16895), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (312, 17282), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (346, 17459), (358, 17495), (393, 17621), (411, 17675), (424, 17720), (438, 17768), (452, 17810), (453, 17819), (462, 17849), (484, 17921), (488, 17927), (504, 17948), (505, 17951), (512, 17963), (553, 18080), (555, 18089), (585, 18161), (587, 18164), (600, 18200), (613, 18251), (614, 18254), (617, 18263), (656, 18446), (678, 18512), (681, 18524), (701, 18566), (718, 18629), (734, 18686), (744, 18755), (751, 18791), (770, 18872), (796, 19007), (797, 19019),

Gene: PhrostyMug_24 Start: 16398, Stop: 18878, Start Num: 77

Candidate Starts for PhrostyMug_24:

(Start: 77 @16398 has 209 MA's), (90, 16437), (Start: 107 @16500 has 1 MA's), (Start: 115 @16530 has 23 MA's), (128, 16572), (223, 16779), (229, 16797), (252, 16887), (265, 16950), (272, 16974), (274, 16986), (282, 17037), (393, 17421), (450, 17523), (462, 17562), (470, 17589), (480, 17613), (529, 17742), (566, 17841), (598, 17943), (605, 17964), (617, 18006), (640, 18105), (651, 18168), (717, 18387), (725, 18420), (778, 18702), (794, 18789), (798, 18828), (799, 18843),

Gene: PinkPlastic_23 Start: 16163, Stop: 18640, Start Num: 77

Candidate Starts for PinkPlastic_23:

(Start: 77 @16163 has 209 MA's), (90, 16202), (Start: 107 @16265 has 1 MA's), (112, 16283), (Start: 115 @16295 has 23 MA's), (Start: 121 @16316 has 10 MA's), (178, 16376), (205, 16472), (223, 16541), (227, 16553), (252, 16649), (258, 16682), (393, 17183), (450, 17285), (462, 17324), (467, 17339), (470, 17351), (480, 17375), (529, 17504), (566, 17603), (598, 17705), (605, 17726), (617, 17768), (640, 17867), (651, 17930), (678, 18020), (717, 18149), (725, 18182), (778, 18464), (790, 18530), (794, 18551), (798, 18590), (799, 18605),

Gene: Pinto_26 Start: 16466, Stop: 18934, Start Num: 77

Candidate Starts for Pinto_26:

(Start: 77 @16466 has 209 MA's), (83, 16481), (Start: 115 @16595 has 23 MA's), (Start: 121 @16616 has 10 MA's), (128, 16637), (176, 16667), (182, 16691), (187, 16712), (201, 16757), (252, 16955), (258, 16988), (274, 17054), (321, 17309), (325, 17330), (331, 17357), (402, 17516), (428, 17552), (467, 17645), (473, 17666), (480, 17681), (491, 17702), (493, 17705), (518, 17774), (529, 17810), (543, 17843), (554, 17879), (566, 17909), (578, 17945), (598, 18011), (605, 18032), (640, 18173), (675, 18314), (683, 18335), (723, 18470), (752, 18647), (778, 18758), (790, 18824), (794, 18845), (798, 18884),

Gene: Pioneer_27 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for Pioneer_27:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (84, 17854), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (151, 18118), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (339, 18904), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (523, 19489), (546, 19543), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: Pipcraft_25 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for Pipcraft_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Pippin_26 Start: 16733, Stop: 19204, Start Num: 77

Candidate Starts for Pippin_26:

(Start: 77 @16733 has 209 MA's), (90, 16772), (Start: 107 @16835 has 1 MA's), (Start: 115 @16865 has 23 MA's), (Start: 121 @16886 has 10 MA's), (128, 16907), (133, 16919), (176, 16937), (182, 16961), (220, 17099), (229, 17135), (252, 17225), (258, 17258), (274, 17324), (321, 17579), (325, 17600), (331, 17627), (334, 17642), (354, 17723), (402, 17786), (428, 17822), (467, 17915), (473, 17936), (480, 17951), (491, 17972), (493, 17975), (518, 18044), (529, 18080), (543, 18113), (554, 18149), (566, 18179), (578, 18215), (598, 18281), (605, 18302), (640, 18443), (675, 18584), (683, 18605), (723, 18740), (752, 18917), (778, 19028), (790, 19094), (794, 19115), (798, 19154), (799, 19169),

Gene: Piro94_27 Start: 17131, Stop: 19638, Start Num: 86

Candidate Starts for Piro94_27:

(Start: 86 @17131 has 90 MA's), (Start: 114 @17242 has 5 MA's), (132, 17299), (194, 17485), (217, 17548), (224, 17581), (226, 17587), (269, 17767), (272, 17776), (275, 17791), (276, 17797), (279, 17818), (280, 17821), (282, 17839), (293, 17899), (315, 18007), (325, 18049), (326, 18058), (328, 18067), (336, 18103), (341, 18124), (356, 18187), (358, 18190), (361, 18208), (366, 18229), (424, 18415), (430, 18430), (435, 18457), (453, 18514), (458, 18529), (459, 18535), (462, 18544), (464, 18550), (469, 18580), (477, 18601), (505, 18646), (508, 18652), (518, 18685), (528, 18712), (555, 18784), (558, 18796), (585, 18856), (596, 18883), (613, 18946), (626, 18991), (637, 19039), (646, 19075), (650, 19108), (688, 19171), (701, 19195), (746, 19339), (769, 19438), (788, 19525), (802, 19624),

Gene: Pistachio_26 Start: 15042, Stop: 18077, Start Num: 16

Candidate Starts for Pistachio_26:

(Start: 16 @15042 has 33 MA's), (46, 15216), (49, 15228), (54, 15261), (106, 15471), (141, 15591), (142, 15594), (197, 15798), (207, 15819), (216, 15849), (217, 15852), (233, 15915), (237, 15927), (245, 15960), (249, 15978), (264, 16047), (267, 16053), (269, 16068), (272, 16077), (274, 16089), (276, 16098), (292, 16191), (315, 16308), (316, 16311), (322, 16335), (323, 16338), (325, 16350), (336, 16404), (341, 16425), (344, 16446), (358, 16491), (363, 16518), (366, 16530), (411, 16671), (424, 16716), (430, 16731), (452, 16806), (453, 16815), (462, 16845), (465, 16860), (466, 16863),

(469, 16881), (477, 16902), (479, 16905), (504, 16944), (505, 16947), (538, 17031), (558, 17097), (569, 17118), (585, 17157), (600, 17196), (605, 17217), (613, 17247), (614, 17250), (617, 17259), (624, 17283), (640, 17352), (643, 17373), (656, 17442), (662, 17460), (678, 17508), (681, 17520), (701, 17562), (704, 17574), (717, 17622), (751, 17793), (754, 17823), (762, 17853), (770, 17874), (796, 18009), (800, 18057),

Gene: Pita2_26 Start: 16832, Stop: 19303, Start Num: 77

Candidate Starts for Pita2_26:

(Start: 77 @16832 has 209 MA's), (90, 16871), (Start: 107 @16934 has 1 MA's), (Start: 115 @16964 has 23 MA's), (Start: 121 @16985 has 10 MA's), (128, 17006), (133, 17018), (176, 17036), (201, 17126), (252, 17324), (258, 17357), (274, 17423), (321, 17678), (325, 17699), (331, 17726), (402, 17885), (428, 17921), (467, 18014), (473, 18035), (497, 18092), (543, 18212), (554, 18248), (566, 18278), (578, 18314), (598, 18380), (605, 18401), (640, 18542), (675, 18683), (683, 18704), (723, 18839), (752, 19016), (778, 19127), (790, 19193), (794, 19214), (798, 19253), (799, 19268),

Gene: Pmask_29 Start: 16729, Stop: 18933, Start Num: 76

Candidate Starts for Pmask_29:

(42, 16570), (64, 16684), (Start: 76 @16729 has 49 MA's), (Start: 107 @16840 has 1 MA's), (110, 16846), (142, 16954), (165, 16996), (202, 17119), (214, 17155), (221, 17182), (252, 17305), (258, 17338), (278, 17428), (290, 17497), (341, 17740), (476, 17878), (543, 17998), (610, 18151), (638, 18214), (648, 18256), (678, 18355), (683, 18376), (690, 18397), (700, 18418), (714, 18469), (717, 18481), (722, 18496), (738, 18577), (750, 18655),

Gene: Pocahontas_26 Start: 16040, Stop: 19078, Start Num: 16

Candidate Starts for Pocahontas_26:

(Start: 16 @16040 has 33 MA's), (46, 16214), (49, 16226), (54, 16259), (106, 16466), (112, 16487), (141, 16586), (142, 16589), (197, 16799), (207, 16820), (217, 16853), (233, 16916), (237, 16928), (245, 16961), (249, 16979), (253, 17000), (264, 17048), (267, 17054), (269, 17069), (272, 17078), (274, 17090), (276, 17099), (292, 17192), (315, 17309), (316, 17312), (323, 17339), (325, 17351), (336, 17405), (341, 17426), (358, 17492), (366, 17531), (411, 17672), (424, 17717), (452, 17807), (453, 17816), (462, 17846), (477, 17903), (484, 17918), (504, 17945), (505, 17948), (513, 17966), (553, 18077), (585, 18158), (604, 18215), (616, 18257), (640, 18353), (643, 18374), (647, 18398), (656, 18443), (662, 18461), (678, 18509), (681, 18521), (701, 18563), (704, 18575), (717, 18623), (751, 18794), (762, 18854), (768, 18866), (776, 18893), (780, 18914), (796, 19010), (800, 19058),

Gene: Polymorphads_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Polymorphads_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (344, 16965), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Polyphemus_29 Start: 16727, Stop: 18931, Start Num: 76

Candidate Starts for Polyphemus_29:

(42, 16568), (64, 16682), (Start: 76 @16727 has 49 MA's), (Start: 107 @16838 has 1 MA's), (142, 16952), (165, 16994), (202, 17117), (214, 17153), (221, 17180), (252, 17303), (258, 17336), (278, 17426), (290, 17495), (341, 17738), (476, 17876), (543, 17996), (610, 18149), (638, 18212), (648, 18254), (678, 18353), (683, 18374), (690, 18395), (700, 18416), (714, 18467), (717, 18479), (722, 18494), (738, 18575), (750, 18653),

Gene: Pomar16_29 Start: 16549, Stop: 19062, Start Num: 86

Candidate Starts for Pomar16_29:

(Start: 86 @16549 has 90 MA's), (135, 16729), (137, 16732), (217, 16978), (232, 17038), (237, 17053), (244, 17083), (245, 17086), (261, 17170), (269, 17194), (275, 17218), (279, 17245), (280, 17248), (301, 17353), (315, 17434), (322, 17461), (325, 17476), (336, 17530), (341, 17551), (358, 17617), (361, 17635), (363, 17644), (393, 17743), (403, 17776), (407, 17785), (424, 17842), (430, 17857), (459, 17962), (465, 17986), (505, 18073), (512, 18085), (513, 18091), (522, 18124), (546, 18181), (569, 18244), (613, 18373), (618, 18388), (626, 18418), (630, 18430), (637, 18466), (664, 18580), (678, 18592), (703, 18634), (761, 18841), (768, 18859), (769, 18862), (802, 19048),

Gene: Poompha_24 Start: 13787, Stop: 16519, Start Num: 74

Candidate Starts for Poompha_24:

(Start: 74 @13787 has 124 MA's), (Start: 121 @13964 has 10 MA's), (146, 14039), (149, 14051), (192, 14213), (200, 14234), (204, 14246), (213, 14276), (219, 14309), (230, 14354), (236, 14372), (239, 14387), (240, 14396), (247, 14417), (266, 14522), (274, 14564), (305, 14729), (333, 14891), (339, 14918), (423, 15095), (436, 15140), (459, 15215), (471, 15263), (472, 15266), (481, 15287), (483, 15290), (505, 15335), (533, 15410), (535, 15413), (543, 15434), (549, 15458), (569, 15524), (577, 15554), (579, 15566), (596, 15620), (604, 15653), (608, 15668), (624, 15722), (640, 15797), (652, 15875), (656, 15887), (662, 15905), (673, 15944), (678, 15956), (681, 15968), (697, 16010), (701, 16022), (706, 16034), (711, 16049), (718, 16070), (720, 16082), (760, 16295), (778, 16355), (785, 16400), (796, 16451), (800, 16499),

Gene: Popcicle_26 Start: 16040, Stop: 19078, Start Num: 16

Candidate Starts for Popcicle_26:

(Start: 16 @16040 has 33 MA's), (46, 16214), (49, 16226), (54, 16259), (106, 16466), (112, 16487), (141, 16586), (142, 16589), (197, 16799), (207, 16820), (217, 16853), (233, 16916), (237, 16928), (245, 16961), (249, 16979), (253, 17000), (264, 17048), (267, 17054), (269, 17069), (272, 17078), (274, 17090), (276, 17099), (292, 17192), (315, 17309), (316, 17312), (323, 17339), (325, 17351), (336, 17405), (341, 17426), (358, 17492), (366, 17531), (411, 17672), (424, 17717), (452, 17807), (453, 17816), (462, 17846), (477, 17903), (484, 17918), (504, 17945), (505, 17948), (513, 17966), (553, 18077), (585, 18158), (604, 18215), (616, 18257), (640, 18353), (643, 18374), (647, 18398), (656, 18443), (662, 18461), (678, 18509), (681, 18521), (701, 18563), (704, 18575), (717, 18623), (751, 18794), (762, 18854), (768, 18866), (776, 18893), (780, 18914), (796, 19010), (800, 19058),

Gene: PotatoSplit_28 Start: 15979, Stop: 19005, Start Num: 17

Candidate Starts for PotatoSplit_28:

(11, 15925), (Start: 17 @15979 has 84 MA's), (36, 16093), (48, 16159), (49, 16162), (51, 16171), (60, 16207), (69, 16258), (93, 16330), (106, 16402), (141, 16522), (142, 16525), (158, 16594), (170, 16639), (197, 16732), (203, 16741), (209, 16759), (217, 16786), (233, 16849), (237, 16861), (245, 16894), (249, 16912), (261, 16978), (264, 16981), (267, 16987), (269, 17002), (272, 17011), (274, 17023), (276, 17032), (288, 17110), (292, 17125), (315, 17242), (316, 17245), (323, 17272), (325, 17284), (336, 17338), (341, 17359), (358, 17425), (366, 17464), (395, 17557), (411, 17605), (424, 17650), (438, 17698), (452, 17740), (453, 17749), (462, 17779), (463, 17782), (465, 17794), (484, 17851), (488, 17857), (504, 17878), (505, 17881), (555, 18019), (558, 18031), (585, 18091), (604, 18148), (640, 18286), (643, 18307), (647, 18331), (656, 18376), (662, 18394), (678, 18442), (681, 18454), (701, 18496), (718, 18559), (734, 18616), (744, 18685), (751, 18721), (770, 18802), (796, 18937),

Gene: Power_26 Start: 16547, Stop: 19084, Start Num: 86

Candidate Starts for Power_26:

(Start: 86 @16547 has 90 MA's), (134, 16724), (135, 16727), (137, 16730), (147, 16760), (190, 16898), (194, 16919), (197, 16928), (207, 16949), (217, 16982), (232, 17042), (237, 17057), (249, 17108), (259, 17156), (261, 17174), (272, 17207), (274, 17219), (275, 17222), (276, 17228), (279, 17249),

(280, 17252), (296, 17339), (315, 17438), (325, 17480), (326, 17489), (328, 17498), (339, 17546), (341, 17555), (358, 17621), (366, 17660), (424, 17846), (430, 17861), (438, 17894), (453, 17945), (459, 17966), (464, 17981), (465, 17990), (468, 18005), (504, 18074), (558, 18227), (613, 18377), (626, 18422), (630, 18434), (637, 18470), (707, 18650), (711, 18659), (745, 18770), (750, 18800), (769, 18884),

Gene: PowerRanger_25 Start: 17021, Stop: 19855, Start Num: 77

Candidate Starts for PowerRanger_25:

(Start: 77 @17021 has 209 MA's), (98, 17093), (198, 17336), (203, 17351), (217, 17396), (242, 17516), (246, 17534), (254, 17582), (261, 17627), (274, 17672), (275, 17675), (282, 17723), (316, 17906), (320, 17933), (335, 18017), (345, 18074), (349, 18092), (362, 18137), (369, 18173), (383, 18233), (399, 18281), (416, 18344), (417, 18347), (443, 18440), (451, 18464), (461, 18500), (467, 18527), (470, 18539), (477, 18557), (484, 18572), (506, 18635), (549, 18764), (564, 18809), (572, 18842), (575, 18854), (613, 18983), (636, 19079), (655, 19166), (656, 19169), (662, 19187), (723, 19391), (752, 19568), (778, 19679), (794, 19766), (798, 19805), (800, 19835),

Gene: Priamo_29 Start: 16751, Stop: 18982, Start Num: 76

Candidate Starts for Priamo_29:

(42, 16595), (64, 16706), (Start: 76 @16751 has 49 MA's), (Start: 107 @16862 has 1 MA's), (110, 16868), (165, 17018), (214, 17177), (221, 17204), (251, 17324), (252, 17327), (258, 17360), (278, 17450), (290, 17519), (332, 17720), (341, 17765), (515, 17969), (543, 18023), (597, 18146), (638, 18245), (642, 18254), (645, 18275), (655, 18320), (658, 18332), (722, 18539), (727, 18557), (743, 18659), (745, 18668), (750, 18698),

Gene: Priya_27 Start: 17621, Stop: 20530, Start Num: 31

Candidate Starts for Priya_27:

(Start: 31 @17621 has 33 MA's), (35, 17633), (47, 17693), (98, 17915), (113, 17978), (124, 18020), (141, 18074), (142, 18077), (151, 18116), (199, 18287), (203, 18293), (208, 18308), (232, 18398), (233, 18401), (237, 18413), (248, 18455), (258, 18509), (261, 18530), (276, 18584), (279, 18605), (280, 18608), (282, 18626), (294, 18689), (311, 18755), (315, 18794), (322, 18821), (325, 18836), (332, 18866), (336, 18890), (339, 18902), (341, 18911), (358, 18977), (366, 19016), (386, 19082), (395, 19109), (403, 19136), (437, 19247), (459, 19322), (465, 19346), (469, 19367), (477, 19388), (488, 19409), (489, 19412), (504, 19430), (505, 19433), (516, 19460), (540, 19520), (548, 19550), (558, 19583), (573, 19613), (579, 19625), (613, 19733), (618, 19748), (626, 19778), (638, 19829), (655, 19916), (657, 19925), (673, 19976), (701, 20039), (708, 20060), (717, 20096), (728, 20132), (729, 20138), (744, 20216), (749, 20243), (780, 20372), (784, 20402), (792, 20429), (797, 20468), (801, 20510),

Gene: ProMouse_23 Start: 16852, Stop: 19323, Start Num: 77

Candidate Starts for ProMouse_23:

(Start: 77 @16852 has 209 MA's), (90, 16891), (Start: 107 @16954 has 1 MA's), (Start: 115 @16984 has 23 MA's), (Start: 121 @17005 has 10 MA's), (128, 17026), (176, 17056), (179, 17068), (182, 17080), (201, 17146), (252, 17344), (258, 17377), (274, 17443), (321, 17698), (325, 17719), (331, 17746), (402, 17905), (428, 17941), (467, 18034), (473, 18055), (480, 18070), (491, 18091), (493, 18094), (518, 18163), (529, 18199), (543, 18232), (554, 18268), (566, 18298), (578, 18334), (598, 18400), (605, 18421), (617, 18463), (640, 18562), (675, 18703), (683, 18724), (723, 18859), (752, 19036), (778, 19147), (794, 19234), (798, 19273), (799, 19288),

Gene: Prudy_28 Start: 18436, Stop: 20943, Start Num: 86

Candidate Starts for Prudy_28:

(Start: 68 @18385 has 1 MA's), (Start: 86 @18436 has 90 MA's), (Start: 114 @18547 has 5 MA's), (119, 18565), (132, 18604), (147, 18649), (194, 18778), (203, 18796), (205, 18802), (215, 18832), (237, 18916), (249, 18967), (264, 19036), (267, 19042), (269, 19057), (272, 19066), (274, 19078),

(276, 19087), (315, 19297), (322, 19324), (325, 19339), (336, 19393), (341, 19414), (358, 19480), (366, 19519), (370, 19543), (384, 19582), (424, 19705), (430, 19720), (435, 19747), (438, 19753), (453, 19804), (462, 19834), (464, 19840), (469, 19870), (477, 19891), (504, 19933), (512, 19948), (518, 19975), (543, 20032), (546, 20044), (555, 20074), (558, 20086), (585, 20146), (596, 20173), (604, 20203), (613, 20236), (626, 20281), (630, 20293), (703, 20500), (707, 20509), (711, 20518), (745, 20629), (750, 20659), (769, 20743), (797, 20884), (802, 20929),

Gene: Pukovnik_28 Start: 18254, Stop: 20650, Start Num: 108

Candidate Starts for Pukovnik_28:

(Start: 108 @18254 has 6 MA's), (Start: 114 @18272 has 5 MA's), (123, 18305), (126, 18311), (152, 18407), (162, 18449), (213, 18605), (216, 18617), (217, 18620), (222, 18650), (223, 18659), (234, 18695), (237, 18704), (252, 18767), (258, 18800), (269, 18845), (274, 18866), (276, 18875), (294, 18980), (322, 19121), (394, 19289), (401, 19301), (434, 19367), (436, 19373), (456, 19424), (494, 19535), (504, 19553), (559, 19709), (579, 19763), (593, 19799), (612, 19850), (628, 19910), (634, 19943), (635, 19955), (643, 19988), (644, 19991), (682, 20129), (687, 20141), (705, 20183), (718, 20219), (720, 20231), (722, 20237), (764, 20447),

Gene: Pumbaa_25 Start: 15860, Stop: 18460, Start Num: 74

Candidate Starts for Pumbaa_25:

(Start: 74 @15860 has 124 MA's), (Start: 115 @16001 has 23 MA's), (Start: 121 @16019 has 10 MA's), (180, 16226), (189, 16265), (196, 16295), (229, 16412), (237, 16439), (252, 16502), (265, 16565), (276, 16610), (282, 16652), (299, 16736), (387, 17003), (415, 17054), (432, 17099), (460, 17177), (472, 17216), (527, 17330), (545, 17384), (558, 17429), (576, 17489), (579, 17507), (592, 17549), (605, 17597), (624, 17663), (656, 17828), (662, 17846), (706, 17972), (756, 18224), (757, 18227), (760, 18236), (778, 18296), (796, 18392), (800, 18440),

Gene: Puppet_24 Start: 16402, Stop: 18882, Start Num: 77

Candidate Starts for Puppet_24:

(Start: 77 @16402 has 209 MA's), (90, 16441), (Start: 107 @16504 has 1 MA's), (Start: 115 @16534 has 23 MA's), (128, 16576), (223, 16783), (229, 16801), (252, 16891), (265, 16954), (272, 16978), (274, 16990), (282, 17041), (393, 17425), (450, 17527), (462, 17566), (480, 17617), (529, 17746), (566, 17845), (598, 17947), (605, 17968), (608, 17980), (617, 18010), (640, 18109), (651, 18172), (717, 18391), (725, 18424), (778, 18706), (790, 18772), (794, 18793), (798, 18832), (799, 18847),

Gene: Puppy_26 Start: 15114, Stop: 18149, Start Num: 16

Candidate Starts for Puppy_26:

(Start: 16 @15114 has 33 MA's), (46, 15288), (49, 15300), (54, 15333), (106, 15543), (141, 15663), (142, 15666), (197, 15870), (207, 15891), (216, 15921), (217, 15924), (233, 15987), (237, 15999), (245, 16032), (249, 16050), (264, 16119), (267, 16125), (269, 16140), (272, 16149), (274, 16161), (276, 16170), (292, 16263), (315, 16380), (316, 16383), (322, 16407), (323, 16410), (325, 16422), (336, 16476), (341, 16497), (344, 16518), (358, 16563), (363, 16590), (366, 16602), (411, 16743), (424, 16788), (430, 16803), (452, 16878), (453, 16887), (462, 16917), (465, 16932), (466, 16935), (469, 16953), (477, 16974), (479, 16977), (504, 17016), (505, 17019), (538, 17103), (558, 17169), (569, 17190), (585, 17229), (600, 17268), (605, 17289), (613, 17319), (614, 17322), (617, 17331), (624, 17355), (640, 17424), (643, 17445), (656, 17514), (662, 17532), (678, 17580), (681, 17592), (701, 17634), (704, 17646), (717, 17694), (751, 17865), (754, 17895), (762, 17925), (770, 17946), (796, 18081), (800, 18129),

Gene: PurpleHaze_27 Start: 16056, Stop: 19082, Start Num: 17

Candidate Starts for PurpleHaze_27:

(11, 16002), (Start: 17 @16056 has 84 MA's), (36, 16170), (48, 16236), (49, 16239), (51, 16248), (60, 16284), (69, 16335), (93, 16407), (106, 16479), (141, 16599), (142, 16602), (158, 16671), (170, 16716), (197, 16809), (203, 16818), (217, 16863), (226, 16902), (233, 16926), (237, 16938), (245,

16971), (249, 16989), (253, 17010), (264, 17058), (267, 17064), (269, 17079), (272, 17088), (274, 17100), (276, 17109), (292, 17202), (312, 17289), (315, 17319), (316, 17322), (323, 17349), (325, 17361), (336, 17415), (341, 17436), (346, 17466), (358, 17502), (393, 17628), (411, 17682), (424, 17727), (438, 17775), (452, 17817), (453, 17826), (462, 17856), (484, 17928), (488, 17934), (504, 17955), (505, 17958), (512, 17970), (553, 18087), (555, 18096), (585, 18168), (587, 18171), (600, 18207), (613, 18258), (614, 18261), (617, 18270), (656, 18453), (678, 18519), (681, 18531), (701, 18573), (718, 18636), (734, 18693), (744, 18762), (751, 18798), (770, 18879), (796, 19014), (797, 19026),

Gene: QTRlifeCrisis_24 Start: 16800, Stop: 19460, Start Num: 77

Candidate Starts for QTRlifeCrisis_24:

(Start: 77 @16800 has 209 MA's), (90, 16839), (Start: 107 @16902 has 1 MA's), (110, 16908), (Start: 115 @16932 has 23 MA's), (128, 16974), (252, 17283), (265, 17346), (276, 17391), (281, 17415), (295, 17490), (298, 17502), (333, 17676), (369, 17823), (467, 18153), (489, 18204), (497, 18231), (567, 18435), (603, 18549), (605, 18558), (612, 18579), (617, 18600), (640, 18699), (648, 18741), (649, 18744), (688, 18873), (714, 18957), (726, 19002), (778, 19284), (794, 19371), (798, 19410), (799, 19425),

Gene: Qobbit_27 Start: 17620, Stop: 20529, Start Num: 31

Candidate Starts for Qobbit_27:

(Start: 31 @17620 has 33 MA's), (35, 17632), (47, 17692), (84, 17851), (98, 17914), (113, 17977), (124, 18019), (142, 18076), (151, 18115), (199, 18286), (203, 18292), (208, 18307), (232, 18397), (233, 18400), (237, 18412), (248, 18454), (258, 18508), (276, 18583), (279, 18604), (280, 18607), (282, 18625), (294, 18688), (311, 18754), (315, 18793), (322, 18820), (325, 18835), (332, 18865), (336, 18889), (339, 18901), (341, 18910), (358, 18976), (366, 19015), (386, 19081), (395, 19108), (403, 19135), (437, 19246), (459, 19321), (469, 19366), (477, 19387), (488, 19408), (489, 19411), (504, 19429), (505, 19432), (516, 19459), (523, 19486), (546, 19540), (613, 19732), (618, 19747), (626, 19777), (638, 19828), (655, 19915), (657, 19924), (673, 19975), (701, 20038), (708, 20059), (717, 20095), (728, 20131), (729, 20137), (744, 20215), (749, 20242), (760, 20302), (780, 20371), (784, 20401), (792, 20428), (797, 20467), (801, 20509),

Gene: QueenB2_26 Start: 16665, Stop: 19202, Start Num: 86

Candidate Starts for QueenB2_26:

(Start: 86 @16665 has 90 MA's), (134, 16842), (135, 16845), (137, 16848), (188, 17010), (190, 17016), (194, 17037), (197, 17046), (207, 17067), (217, 17100), (224, 17133), (249, 17226), (259, 17274), (261, 17292), (272, 17325), (274, 17337), (275, 17340), (276, 17346), (279, 17367), (280, 17370), (315, 17556), (325, 17598), (326, 17607), (339, 17664), (341, 17673), (358, 17739), (366, 17778), (395, 17871), (401, 17889), (424, 17964), (453, 18063), (458, 18078), (459, 18084), (462, 18093), (465, 18108), (469, 18129), (477, 18150), (489, 18174), (505, 18195), (508, 18201), (518, 18234), (522, 18246), (525, 18255), (558, 18345), (585, 18405), (596, 18432), (613, 18495), (626, 18540), (655, 18678), (707, 18768), (711, 18777), (745, 18888), (750, 18918), (769, 19002),

Gene: QueenBeesly_26 Start: 16547, Stop: 19084, Start Num: 86

Candidate Starts for QueenBeesly_26:

(Start: 86 @16547 has 90 MA's), (134, 16724), (135, 16727), (137, 16730), (147, 16760), (190, 16898), (194, 16919), (197, 16928), (207, 16949), (217, 16982), (232, 17042), (237, 17057), (249, 17108), (259, 17156), (261, 17174), (272, 17207), (274, 17219), (275, 17222), (276, 17228), (279, 17249), (280, 17252), (296, 17339), (315, 17438), (325, 17480), (326, 17489), (328, 17498), (339, 17546), (341, 17555), (358, 17621), (366, 17660), (424, 17846), (430, 17861), (438, 17894), (453, 17945), (459, 17966), (464, 17981), (465, 17990), (468, 18005), (504, 18074), (558, 18227), (569, 18248), (613, 18377), (626, 18422), (630, 18434), (637, 18470), (707, 18650), (711, 18659), (745, 18770), (750, 18800), (769, 18884),

Gene: QuinnKiro_25 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for QuinnKiro_25:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (203, 16811), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Quokka_24 Start: 15528, Stop: 18041, Start Num: 86

Candidate Starts for Quokka_24:

(Start: 86 @15528 has 90 MA's), (Start: 114 @15639 has 5 MA's), (134, 15705), (135, 15708), (137, 15711), (194, 15897), (197, 15906), (203, 15915), (237, 16035), (249, 16086), (260, 16143), (264, 16155), (267, 16161), (269, 16176), (274, 16197), (276, 16206), (283, 16254), (315, 16416), (323, 16446), (325, 16458), (333, 16497), (336, 16512), (341, 16533), (353, 16590), (358, 16599), (363, 16626), (393, 16725), (424, 16824), (430, 16839), (453, 16923), (459, 16944), (469, 16989), (504, 17052), (505, 17055), (522, 17106), (528, 17121), (585, 17265), (596, 17292), (613, 17355), (618, 17370), (626, 17400), (647, 17496), (664, 17562), (707, 17625), (760, 17820), (761, 17823), (769, 17844),

Gene: Rachaly_29 Start: 18265, Stop: 20793, Start Num: 86

Candidate Starts for Rachaly_29:

(Start: 86 @18265 has 90 MA's), (Start: 114 @18376 has 5 MA's), (117, 18388), (135, 18445), (137, 18448), (194, 18637), (197, 18646), (217, 18700), (248, 18817), (249, 18826), (253, 18847), (258, 18871), (274, 18937), (276, 18946), (279, 18967), (280, 18970), (315, 19156), (325, 19198), (341, 19273), (346, 19303), (358, 19339), (366, 19378), (424, 19564), (453, 19663), (459, 19684), (460, 19687), (465, 19708), (469, 19729), (482, 19762), (484, 19765), (504, 19792), (518, 19834), (528, 19861), (555, 19933), (558, 19945), (593, 20029), (594, 20032), (613, 20095), (626, 20140), (630, 20152), (647, 20236), (661, 20290), (711, 20374), (728, 20398), (750, 20515), (769, 20593),

Gene: Rahalelujah_25 Start: 15668, Stop: 18586, Start Num: 31

Candidate Starts for Rahalelujah_25:

(Start: 31 @15668 has 33 MA's), (35, 15680), (67, 15839), (81, 15881), (84, 15902), (113, 16028), (124, 16070), (141, 16124), (142, 16127), (176, 16253), (194, 16328), (197, 16337), (199, 16340), (205, 16352), (247, 16505), (249, 16517), (252, 16529), (253, 16538), (258, 16562), (261, 16583), (264, 16586), (269, 16607), (274, 16628), (276, 16637), (277, 16649), (285, 16697), (294, 16742), (315, 16847), (329, 16910), (335, 16940), (336, 16943), (341, 16964), (342, 16973), (344, 16985), (350, 17009), (358, 17030), (366, 17069), (424, 17255), (429, 17267), (437, 17300), (459, 17375), (462, 17384), (469, 17420), (477, 17441), (488, 17462), (489, 17465), (500, 17474), (504, 17483), (505, 17486), (516, 17513), (523, 17540), (547, 17600), (579, 17678), (613, 17786), (626, 17831), (638, 17882), (653, 17963), (655, 17969), (657, 17978), (673, 18029), (701, 18092), (708, 18113), (717, 18152), (729, 18194), (744, 18272), (749, 18299), (760, 18359), (769, 18383), (784, 18458), (797, 18524), (801, 18566),

Gene: Raid_25 Start: 16078, Stop: 18909, Start Num: 79

Candidate Starts for Raid_25:

(Start: 79 @16078 has 8 MA's), (83, 16093), (198, 16390), (203, 16405), (217, 16450), (242, 16570), (246, 16588), (254, 16636), (261, 16681), (274, 16726), (275, 16729), (282, 16777), (316, 16960), (320, 16987), (335, 17071), (345, 17128), (349, 17146), (362, 17191), (369, 17227), (380, 17269),

(383, 17287), (399, 17335), (416, 17398), (417, 17401), (451, 17518), (461, 17554), (467, 17581), (470, 17593), (477, 17611), (484, 17626), (506, 17689), (549, 17818), (564, 17863), (572, 17896), (575, 17908), (613, 18037), (636, 18133), (655, 18220), (656, 18223), (662, 18241), (683, 18310), (723, 18445), (752, 18622), (778, 18733), (794, 18820), (798, 18859), (799, 18874),

Gene: Rajelicia_24 Start: 16599, Stop: 18599, Start Num: 77

Candidate Starts for Rajelicia_24:

(Start: 77 @16599 has 209 MA's), (90, 16638), (Start: 107 @16701 has 1 MA's), (Start: 115 @16731 has 23 MA's), (Start: 121 @16752 has 10 MA's), (179, 16812), (205, 16908), (217, 16947), (223, 16977), (227, 16989), (252, 17085), (258, 17118), (308, 17352), (356, 17577), (405, 17640), (485, 17742), (491, 17754), (524, 17832), (541, 17874), (561, 17928), (566, 17940), (573, 17955), (577, 17973), (579, 17985), (608, 18063), (617, 18093), (627, 18138), (640, 18189), (698, 18399), (737, 18549),

Gene: Ravana_29 Start: 15884, Stop: 18073, Start Num: 120

Candidate Starts for Ravana_29:

(Start: 68 @15707 has 1 MA's), (Start: 72 @15716 has 4 MA's), (Start: 120 @15884 has 17 MA's), (208, 16127), (210, 16133), (228, 16202), (243, 16259), (276, 16403), (282, 16445), (291, 16493), (292, 16496), (314, 16607), (317, 16625), (341, 16730), (351, 16778), (425, 16883), (447, 16943), (468, 16997), (487, 17033), (498, 17057), (502, 17066), (526, 17129), (537, 17150), (542, 17165), (552, 17189), (556, 17201), (584, 17255), (592, 17276), (605, 17306), (659, 17477), (667, 17498), (700, 17582), (770, 17885), (796, 18008), (797, 18020),

Gene: ReMo_28 Start: 15923, Stop: 18109, Start Num: 120

Candidate Starts for ReMo_28:

(Start: 68 @15746 has 1 MA's), (Start: 72 @15755 has 4 MA's), (Start: 120 @15923 has 17 MA's), (208, 16163), (210, 16169), (228, 16238), (243, 16295), (276, 16439), (282, 16481), (291, 16529), (292, 16532), (314, 16643), (317, 16661), (341, 16766), (351, 16814), (425, 16919), (447, 16979), (468, 17033), (487, 17069), (498, 17093), (502, 17102), (526, 17165), (537, 17186), (542, 17201), (552, 17225), (556, 17237), (584, 17291), (592, 17312), (605, 17342), (659, 17513), (667, 17534), (700, 17618), (770, 17921), (796, 18044), (797, 18056),

Gene: Reba_28 Start: 15722, Stop: 18748, Start Num: 17

Candidate Starts for Reba_28:

(11, 15668), (Start: 17 @15722 has 84 MA's), (36, 15836), (48, 15902), (49, 15905), (51, 15914), (60, 15950), (69, 16001), (93, 16073), (106, 16145), (141, 16265), (142, 16268), (158, 16337), (170, 16382), (197, 16475), (203, 16484), (217, 16529), (226, 16568), (233, 16592), (237, 16604), (245, 16637), (249, 16655), (253, 16676), (264, 16724), (267, 16730), (269, 16745), (272, 16754), (274, 16766), (276, 16775), (292, 16868), (312, 16955), (315, 16985), (316, 16988), (323, 17015), (325, 17027), (336, 17081), (341, 17102), (346, 17132), (358, 17168), (393, 17294), (411, 17348), (424, 17393), (438, 17441), (452, 17483), (453, 17492), (462, 17522), (484, 17594), (488, 17600), (504, 17621), (505, 17624), (512, 17636), (553, 17753), (555, 17762), (585, 17834), (587, 17837), (600, 17873), (613, 17924), (614, 17927), (617, 17936), (656, 18119), (678, 18185), (681, 18197), (701, 18239), (718, 18302), (734, 18359), (744, 18428), (751, 18464), (770, 18545), (796, 18680), (797, 18692),

Gene: Rebeuca_26 Start: 15880, Stop: 18621, Start Num: 74

Candidate Starts for Rebeuca_26:

(Start: 74 @15880 has 124 MA's), (Start: 121 @16057 has 10 MA's), (128, 16078), (147, 16135), (156, 16183), (160, 16204), (161, 16210), (168, 16234), (175, 16249), (182, 16279), (204, 16354), (207, 16363), (218, 16414), (219, 16417), (236, 16480), (239, 16495), (244, 16516), (247, 16525), (266, 16630), (274, 16672), (339, 17026), (423, 17194), (459, 17314), (470, 17359), (471, 17362), (472, 17365), (481, 17386), (483, 17389), (505, 17434), (545, 17542), (550, 17563), (555, 17575), (569,

17623), (578, 17656), (596, 17719), (617, 17797), (624, 17821), (640, 17896), (650, 17962), (656, 17986), (662, 18004), (681, 18070), (691, 18100), (701, 18124), (706, 18136), (711, 18151), (718, 18172), (720, 18184), (760, 18397), (771, 18433), (777, 18454), (778, 18457), (796, 18553), (800, 18601),

Gene: RedRock_29 Start: 18558, Stop: 21056, Start Num: 86

Candidate Starts for RedRock_29:

(Start: 86 @18558 has 90 MA's), (119, 18687), (132, 18726), (147, 18771), (190, 18873), (194, 18894), (203, 18912), (237, 19032), (249, 19083), (264, 19152), (267, 19158), (269, 19173), (272, 19182), (274, 19194), (276, 19203), (315, 19413), (322, 19440), (325, 19455), (336, 19509), (341, 19530), (358, 19596), (366, 19635), (384, 19698), (424, 19821), (430, 19836), (458, 19935), (462, 19950), (464, 19956), (465, 19965), (469, 19986), (477, 20007), (484, 20022), (489, 20031), (505, 20052), (508, 20058), (518, 20091), (528, 20118), (543, 20148), (546, 20160), (555, 20190), (558, 20202), (596, 20289), (605, 20322), (613, 20352), (622, 20385), (626, 20397), (703, 20616), (707, 20625), (711, 20634), (745, 20745), (750, 20775), (769, 20856), (797, 20997),

Gene: Refuge_29 Start: 18955, Stop: 22065, Start Num: 9

Candidate Starts for Refuge_29:

(1, 18709), (6, 18925), (Start: 9 @18955 has 5 MA's), (Start: 31 @19132 has 33 MA's), (35, 19144), (43, 19180), (98, 19411), (113, 19474), (124, 19516), (141, 19570), (142, 19573), (176, 19699), (194, 19774), (197, 19783), (199, 19786), (205, 19798), (217, 19837), (249, 19963), (258, 20008), (259, 20011), (261, 20029), (264, 20032), (269, 20053), (272, 20062), (276, 20083), (277, 20095), (285, 20143), (289, 20164), (291, 20173), (294, 20188), (327, 20350), (337, 20392), (341, 20410), (342, 20419), (344, 20431), (358, 20476), (365, 20509), (366, 20515), (384, 20578), (424, 20701), (457, 20812), (459, 20821), (460, 20824), (469, 20866), (474, 20881), (489, 20911), (504, 20929), (508, 20938), (512, 20944), (525, 20992), (528, 20998), (555, 21070), (585, 21142), (587, 21145), (605, 21202), (613, 21232), (617, 21244), (624, 21268), (626, 21277), (650, 21409), (656, 21433), (665, 21469), (671, 21478), (688, 21520), (701, 21553), (721, 21634), (723, 21643), (751, 21790), (759, 21838), (760, 21841), (769, 21865), (796, 21994), (797, 22006),

Gene: Relief_25 Start: 15883, Stop: 18483, Start Num: 74

Candidate Starts for Relief_25:

(Start: 74 @15883 has 124 MA's), (Start: 115 @16024 has 23 MA's), (Start: 121 @16042 has 10 MA's), (180, 16249), (189, 16288), (196, 16318), (229, 16435), (237, 16462), (252, 16525), (265, 16588), (276, 16633), (282, 16675), (299, 16759), (387, 17026), (415, 17077), (432, 17122), (460, 17200), (472, 17239), (545, 17407), (550, 17428), (558, 17452), (577, 17518), (592, 17572), (605, 17620), (624, 17686), (656, 17851), (662, 17869), (706, 17995), (756, 18247), (757, 18250), (760, 18259), (778, 18319), (796, 18415), (800, 18463),

Gene: Remus_28 Start: 15884, Stop: 18073, Start Num: 120

Candidate Starts for Remus_28:

(Start: 68 @15707 has 1 MA's), (Start: 72 @15716 has 4 MA's), (Start: 120 @15884 has 17 MA's), (208, 16127), (210, 16133), (228, 16202), (243, 16259), (276, 16403), (282, 16445), (291, 16493), (292, 16496), (314, 16607), (317, 16625), (341, 16730), (351, 16778), (425, 16883), (447, 16943), (468, 16997), (487, 17033), (498, 17057), (502, 17066), (526, 17129), (537, 17150), (542, 17165), (552, 17189), (556, 17201), (584, 17255), (592, 17276), (605, 17306), (659, 17477), (667, 17498), (700, 17582), (770, 17885), (796, 18008), (797, 18020),

Gene: ResDef_26 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for ResDef_26:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081),

(274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Retro23_26 Start: 16689, Stop: 19232, Start Num: 86

Candidate Starts for Retro23_26:

(Start: 86 @16689 has 90 MA's), (134, 16866), (135, 16869), (137, 16872), (188, 17040), (190, 17046), (194, 17067), (197, 17076), (207, 17097), (217, 17130), (224, 17163), (249, 17256), (259, 17304), (261, 17322), (269, 17346), (272, 17355), (274, 17367), (275, 17370), (276, 17376), (279, 17397), (280, 17400), (296, 17487), (315, 17586), (325, 17628), (328, 17646), (333, 17667), (339, 17694), (341, 17703), (358, 17769), (366, 17808), (424, 17994), (430, 18009), (438, 18042), (453, 18093), (459, 18114), (464, 18129), (465, 18138), (468, 18153), (504, 18222), (558, 18375), (569, 18396), (613, 18525), (618, 18540), (626, 18570), (630, 18582), (637, 18618), (707, 18798), (711, 18807), (745, 18918), (750, 18948), (769, 19032),

Gene: RhynO_26 Start: 16026, Stop: 18581, Start Num: 121

Candidate Starts for RhynO_26:

(Start: 74 @15849 has 124 MA's), (Start: 121 @16026 has 10 MA's), (128, 16047), (147, 16104), (171, 16200), (175, 16209), (204, 16314), (212, 16341), (219, 16377), (239, 16455), (240, 16464), (247, 16485), (252, 16512), (266, 16590), (274, 16632), (305, 16797), (331, 16947), (333, 16959), (423, 17154), (459, 17274), (470, 17319), (471, 17322), (472, 17325), (481, 17346), (483, 17349), (505, 17394), (521, 17430), (527, 17448), (533, 17469), (545, 17502), (578, 17616), (596, 17679), (617, 17757), (624, 17781), (640, 17856), (650, 17922), (656, 17946), (662, 17964), (691, 18060), (701, 18084), (706, 18096), (711, 18111), (718, 18132), (720, 18144), (760, 18357), (771, 18393), (777, 18414), (778, 18417), (796, 18513), (800, 18561),

Gene: Rhynn_24 Start: 16407, Stop: 18887, Start Num: 77

Candidate Starts for Rhynn_24:

(Start: 77 @16407 has 209 MA's), (90, 16446), (Start: 107 @16509 has 1 MA's), (Start: 115 @16539 has 23 MA's), (128, 16581), (223, 16788), (229, 16806), (252, 16896), (265, 16959), (272, 16983), (274, 16995), (282, 17046), (393, 17430), (450, 17532), (462, 17571), (470, 17598), (480, 17622), (566, 17850), (598, 17952), (604, 17970), (605, 17973), (617, 18015), (640, 18114), (651, 18177), (717, 18396), (725, 18429), (778, 18711), (790, 18777), (794, 18798), (798, 18837), (799, 18852),

Gene: RidgeCB_24 Start: 16182, Stop: 18662, Start Num: 77

Candidate Starts for RidgeCB_24:

(Start: 77 @16182 has 209 MA's), (90, 16221), (Start: 107 @16284 has 1 MA's), (Start: 115 @16314 has 23 MA's), (128, 16356), (223, 16563), (229, 16581), (252, 16671), (265, 16734), (272, 16758), (274, 16770), (282, 16821), (393, 17205), (450, 17307), (462, 17346), (470, 17373), (480, 17397), (529, 17526), (566, 17625), (598, 17727), (605, 17748), (608, 17760), (617, 17790), (640, 17889), (651, 17952), (717, 18171), (725, 18204), (778, 18486), (782, 18528), (794, 18573), (798, 18612), (799, 18627),

Gene: Rifter_29 Start: 16706, Stop: 18922, Start Num: 76

Candidate Starts for Rifter_29:

(64, 16661), (Start: 76 @16706 has 49 MA's), (Start: 107 @16817 has 1 MA's), (110, 16823), (165, 16973), (210, 17120), (214, 17132), (251, 17279), (252, 17282), (258, 17315), (278, 17405), (290, 17474), (308, 17549), (341, 17717), (543, 17975), (559, 18020), (610, 18128), (638, 18191), (648, 18233), (678, 18332), (683, 18353), (700, 18395), (714, 18446), (722, 18473), (738, 18554), (750, 18644),

Gene: Ringer_24 Start: 16730, Stop: 19561, Start Num: 79

Candidate Starts for Ringer_24:

(Start: 79 @16730 has 8 MA's), (83, 16745), (198, 17042), (203, 17057), (217, 17102), (242, 17222), (246, 17240), (254, 17288), (261, 17333), (274, 17378), (275, 17381), (282, 17429), (316, 17612), (320, 17639), (335, 17723), (345, 17780), (349, 17798), (362, 17843), (369, 17879), (383, 17939), (399, 17987), (416, 18050), (417, 18053), (451, 18170), (461, 18206), (467, 18233), (470, 18245), (477, 18263), (484, 18278), (506, 18341), (549, 18470), (564, 18515), (572, 18548), (575, 18560), (613, 18689), (636, 18785), (655, 18872), (656, 18875), (662, 18893), (723, 19097), (752, 19274), (778, 19385), (794, 19472), (798, 19511), (800, 19541),

Gene: RockieBear_24 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for RockieBear_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (221, 16404), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Rockstar_25 Start: 15416, Stop: 18460, Start Num: 16

Candidate Starts for Rockstar_25:

(Start: 16 @15416 has 33 MA's), (46, 15590), (49, 15602), (106, 15845), (141, 15965), (142, 15968), (200, 16190), (217, 16235), (237, 16310), (245, 16343), (249, 16361), (252, 16373), (268, 16439), (274, 16472), (276, 16481), (282, 16523), (292, 16574), (315, 16691), (325, 16733), (336, 16787), (341, 16808), (353, 16865), (358, 16874), (393, 17000), (395, 17006), (403, 17033), (424, 17099), (430, 17114), (437, 17144), (438, 17147), (453, 17198), (457, 17210), (463, 17231), (465, 17243), (469, 17264), (484, 17300), (504, 17327), (517, 17360), (519, 17372), (538, 17414), (558, 17480), (585, 17540), (600, 17579), (613, 17630), (614, 17633), (617, 17642), (624, 17666), (640, 17735), (643, 17756), (656, 17825), (662, 17843), (678, 17891), (681, 17903), (701, 17945), (704, 17957), (717, 18005), (751, 18176), (762, 18236), (770, 18257), (796, 18392), (797, 18404), (800, 18440),

Gene: Rohr_25 Start: 16604, Stop: 19084, Start Num: 77

Candidate Starts for Rohr_25:

(Start: 77 @16604 has 209 MA's), (90, 16643), (Start: 107 @16706 has 1 MA's), (Start: 115 @16736 has 23 MA's), (128, 16778), (223, 16985), (229, 17003), (252, 17093), (265, 17156), (272, 17180), (274, 17192), (282, 17243), (393, 17627), (450, 17729), (462, 17768), (467, 17783), (470, 17795), (480, 17819), (529, 17948), (566, 18047), (598, 18149), (605, 18170), (617, 18212), (640, 18311), (651, 18374), (678, 18464), (717, 18593), (725, 18626), (778, 18908), (790, 18974), (794, 18995), (798, 19034), (799, 19049),

Gene: Roimos_25 Start: 15464, Stop: 18502, Start Num: 16

Candidate Starts for Roimos_25:

(Start: 16 @15464 has 33 MA's), (46, 15638), (49, 15650), (54, 15683), (106, 15893), (142, 16016), (148, 16037), (197, 16223), (207, 16244), (217, 16277), (233, 16340), (237, 16352), (245, 16385), (249, 16403), (264, 16472), (267, 16478), (269, 16493), (272, 16502), (274, 16514), (276, 16523), (292, 16616), (315, 16733), (316, 16736), (323, 16763), (325, 16775), (336, 16829), (341, 16850), (344, 16871), (358, 16916), (366, 16955), (411, 17096), (424, 17141), (430, 17156), (452, 17231), (453, 17240), (462, 17270), (465, 17285), (484, 17342), (504, 17369), (505, 17372), (558, 17522), (569, 17543), (585, 17582), (600, 17621), (613, 17672), (614, 17675), (617, 17684), (624, 17708), (640, 17777), (643, 17798), (656, 17867), (662, 17885), (678, 17933), (681, 17945), (701, 17987), (704, 17999), (717, 18047), (751, 18218), (754, 18248), (762, 18278), (770, 18299), (796, 18434), (797, 18446), (800, 18482),

Gene: Roksolana_29 Start: 16734, Stop: 18950, Start Num: 76

Candidate Starts for Roksolana_29:

(64, 16689), (Start: 76 @16734 has 49 MA's), (Start: 107 @16845 has 1 MA's), (165, 17001), (210, 17148), (214, 17160), (251, 17307), (252, 17310), (258, 17343), (278, 17433), (290, 17502), (308, 17577), (341, 17745), (543, 18003), (559, 18048), (610, 18156), (638, 18219), (648, 18261), (678, 18360), (683, 18381), (700, 18423), (714, 18474), (722, 18501), (738, 18582), (750, 18672),

Gene: Romney_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Romney_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (521, 17337), (523, 17346), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Roosevelt_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Roosevelt_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (521, 17337), (523, 17346), (545, 17409), (550, 17430), (559, 17457), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Rosa24_24 Start: 16016, Stop: 18457, Start Num: 121

Candidate Starts for Rosa24_24:

(Start: 74 @15857 has 124 MA's), (Start: 115 @15998 has 23 MA's), (Start: 121 @16016 has 10 MA's), (164, 16172), (180, 16223), (189, 16262), (196, 16292), (229, 16409), (237, 16436), (252, 16499), (265, 16562), (276, 16607), (282, 16649), (299, 16733), (387, 17000), (415, 17051), (432, 17096), (460, 17174), (470, 17207), (472, 17213), (527, 17327), (545, 17381), (558, 17426), (576, 17486), (592, 17546), (624, 17660), (656, 17825), (662, 17843), (706, 17969), (756, 18221), (757, 18224), (760, 18233), (777, 18290), (778, 18293), (785, 18338), (796, 18389), (800, 18437),

Gene: Rosalind_28 Start: 16045, Stop: 18231, Start Num: 120

Candidate Starts for Rosalind_28:

(Start: 68 @15868 has 1 MA's), (Start: 72 @15877 has 4 MA's), (Start: 120 @16045 has 17 MA's), (208, 16285), (210, 16291), (228, 16360), (243, 16417), (276, 16561), (282, 16603), (291, 16651), (292, 16654), (314, 16765), (317, 16783), (341, 16888), (351, 16936), (425, 17041), (447, 17101), (468, 17155), (487, 17191), (498, 17215), (502, 17224), (526, 17287), (537, 17308), (542, 17323), (552, 17347), (556, 17359), (584, 17413), (592, 17434), (605, 17464), (659, 17635), (667, 17656), (700, 17740), (770, 18043), (796, 18166), (797, 18178),

Gene: Rowdy_29 Start: 15937, Stop: 18492, Start Num: 121

Candidate Starts for Rowdy_29:

(Start: 74 @15760 has 124 MA's), (Start: 121 @15937 has 10 MA's), (128, 15958), (147, 16015), (171, 16111), (175, 16120), (204, 16225), (212, 16252), (219, 16288), (239, 16366), (240, 16375), (247, 16396), (252, 16423), (266, 16501), (274, 16543), (305, 16708), (331, 16858), (333, 16870), (423, 17065), (459, 17185), (470, 17230), (471, 17233), (472, 17236), (481, 17257), (483, 17260), (505, 17305), (521, 17341), (527, 17359), (533, 17380), (545, 17413), (578, 17527), (596, 17590), (617, 17668), (624, 17692), (640, 17767), (650, 17833), (656, 17857), (662, 17875), (691, 17971), (701,

17995), (706, 18007), (711, 18022), (718, 18043), (720, 18055), (760, 18268), (771, 18304), (777, 18325), (778, 18328), (796, 18424), (800, 18472),

Gene: Rubeus_25 Start: 16439, Stop: 18922, Start Num: 77

Candidate Starts for Rubeus_25:

(Start: 77 @16439 has 209 MA's), (90, 16478), (Start: 107 @16541 has 1 MA's), (Start: 115 @16571 has 23 MA's), (Start: 121 @16592 has 10 MA's), (128, 16613), (176, 16643), (182, 16667), (201, 16733), (252, 16931), (258, 16964), (274, 17030), (321, 17285), (325, 17306), (331, 17333), (402, 17492), (428, 17528), (467, 17621), (473, 17642), (497, 17699), (543, 17819), (554, 17855), (566, 17885), (578, 17921), (598, 17987), (605, 18008), (617, 18050), (640, 18149), (651, 18212), (678, 18302), (717, 18431), (725, 18464), (778, 18746), (790, 18812), (794, 18833), (798, 18872), (800, 18902),

Gene: Rufus_25 Start: 16775, Stop: 19246, Start Num: 77

Candidate Starts for Rufus_25:

(Start: 77 @16775 has 209 MA's), (90, 16814), (Start: 107 @16877 has 1 MA's), (Start: 115 @16907 has 23 MA's), (Start: 121 @16928 has 10 MA's), (128, 16949), (133, 16961), (176, 16979), (201, 17069), (252, 17267), (258, 17300), (274, 17366), (321, 17621), (325, 17642), (331, 17669), (402, 17828), (428, 17864), (467, 17957), (473, 17978), (497, 18035), (543, 18155), (554, 18191), (566, 18221), (578, 18257), (598, 18323), (605, 18344), (640, 18485), (675, 18626), (683, 18647), (723, 18782), (752, 18959), (778, 19070), (790, 19136), (794, 19157), (798, 19196), (799, 19211),

Gene: Ruin_25 Start: 15881, Stop: 18481, Start Num: 74

Candidate Starts for Ruin_25:

(Start: 74 @15881 has 124 MA's), (Start: 115 @16022 has 23 MA's), (180, 16247), (189, 16286), (196, 16316), (229, 16433), (237, 16460), (252, 16523), (265, 16586), (276, 16631), (282, 16673), (299, 16757), (387, 17024), (415, 17075), (432, 17120), (460, 17198), (472, 17237), (545, 17405), (550, 17426), (558, 17450), (577, 17516), (592, 17570), (605, 17618), (624, 17684), (656, 17849), (662, 17867), (706, 17993), (756, 18245), (757, 18248), (760, 18257), (778, 18317), (796, 18413), (800, 18461),

Gene: Rummer_27 Start: 16063, Stop: 19089, Start Num: 17

Candidate Starts for Rummer_27:

(11, 16009), (Start: 17 @16063 has 84 MA's), (36, 16177), (48, 16243), (49, 16246), (51, 16255), (60, 16291), (69, 16342), (93, 16414), (106, 16486), (141, 16606), (142, 16609), (158, 16678), (170, 16723), (197, 16816), (203, 16825), (209, 16843), (217, 16870), (233, 16933), (237, 16945), (245, 16978), (249, 16996), (261, 17062), (264, 17065), (267, 17071), (269, 17086), (272, 17095), (274, 17107), (276, 17116), (288, 17194), (292, 17209), (315, 17326), (316, 17329), (323, 17356), (325, 17368), (336, 17422), (341, 17443), (358, 17509), (366, 17548), (395, 17641), (411, 17689), (424, 17734), (438, 17782), (452, 17824), (453, 17833), (462, 17863), (463, 17866), (465, 17878), (484, 17935), (488, 17941), (504, 17962), (505, 17965), (555, 18103), (558, 18115), (585, 18175), (604, 18232), (640, 18370), (643, 18391), (647, 18415), (656, 18460), (662, 18478), (678, 18526), (681, 18538), (701, 18580), (718, 18643), (734, 18700), (744, 18769), (751, 18805), (759, 18853), (770, 18886), (796, 19021),

Gene: Ruotula_23 Start: 16616, Stop: 19450, Start Num: 77

Candidate Starts for Ruotula_23:

(Start: 77 @16616 has 209 MA's), (98, 16688), (198, 16931), (203, 16946), (217, 16991), (242, 17111), (246, 17129), (254, 17177), (261, 17222), (274, 17267), (275, 17270), (282, 17318), (316, 17501), (320, 17528), (335, 17612), (345, 17669), (349, 17687), (362, 17732), (369, 17768), (380, 17810), (383, 17828), (399, 17876), (416, 17939), (417, 17942), (451, 18059), (461, 18095), (467, 18122), (470, 18134), (477, 18152), (484, 18167), (506, 18230), (549, 18359), (564, 18404), (572, 18437), (575, 18449), (625, 18623), (636, 18674), (655, 18761), (656, 18764), (662, 18782), (723, 18986),

(752, 19163), (778, 19274), (794, 19361), (798, 19400), (799, 19415),

Gene: Rutherferd_26 Start: 17013, Stop: 19493, Start Num: 77

Candidate Starts for Rutherferd_26:

(Start: 77 @17013 has 209 MA's), (90, 17052), (Start: 107 @17115 has 1 MA's), (Start: 115 @17145 has 23 MA's), (128, 17187), (223, 17394), (229, 17412), (252, 17502), (265, 17565), (272, 17589), (274, 17601), (282, 17652), (393, 18036), (450, 18138), (462, 18177), (470, 18204), (480, 18228), (566, 18456), (598, 18558), (605, 18579), (608, 18591), (617, 18621), (639, 18717), (640, 18720), (651, 18783), (717, 19002), (725, 19035), (778, 19317), (794, 19404), (798, 19443), (799, 19458),

Gene: RyeScarlet_28 Start: 17594, Stop: 20503, Start Num: 31

Candidate Starts for RyeScarlet_28:

(Start: 31 @17594 has 33 MA's), (35, 17606), (47, 17666), (84, 17825), (98, 17888), (113, 17951), (124, 17993), (142, 18050), (151, 18089), (199, 18260), (203, 18266), (208, 18281), (232, 18371), (233, 18374), (237, 18386), (248, 18428), (258, 18482), (276, 18557), (279, 18578), (280, 18581), (282, 18599), (294, 18662), (311, 18728), (315, 18767), (322, 18794), (325, 18809), (332, 18839), (336, 18863), (341, 18884), (358, 18950), (366, 18989), (386, 19055), (395, 19082), (403, 19109), (424, 19175), (437, 19220), (459, 19295), (469, 19340), (477, 19361), (488, 19382), (489, 19385), (504, 19403), (505, 19406), (516, 19433), (523, 19460), (546, 19514), (613, 19706), (618, 19721), (626, 19751), (638, 19802), (655, 19889), (657, 19898), (673, 19949), (701, 20012), (708, 20033), (717, 20069), (728, 20105), (729, 20111), (744, 20189), (749, 20216), (760, 20276), (780, 20345), (784, 20375), (792, 20402), (797, 20441), (801, 20483),

Gene: STLscum_25 Start: 16819, Stop: 19653, Start Num: 77

Candidate Starts for STLscum_25:

(Start: 77 @16819 has 209 MA's), (98, 16891), (198, 17134), (203, 17149), (217, 17194), (242, 17314), (246, 17332), (261, 17425), (274, 17470), (275, 17473), (282, 17521), (316, 17704), (320, 17731), (335, 17815), (345, 17872), (349, 17890), (351, 17899), (369, 17971), (373, 17989), (383, 18031), (385, 18034), (399, 18079), (416, 18142), (417, 18145), (451, 18262), (461, 18298), (467, 18325), (470, 18337), (477, 18355), (484, 18370), (506, 18433), (549, 18562), (564, 18607), (572, 18640), (575, 18652), (605, 18751), (625, 18826), (636, 18877), (655, 18964), (656, 18967), (662, 18985), (723, 19189), (752, 19366), (778, 19477), (782, 19519), (794, 19564), (798, 19603), (799, 19618),

Gene: Sabertooth_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for Sabertooth_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (481, 17259), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Sabia_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for Sabia_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (363, 17445), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (605, 18144), (613, 18174), (614, 18177), (617, 18186), (640, 18279), (656, 18369), (678, 18435), (681, 18447), (701,

18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: Sabinator_27 Start: 15977, Stop: 19003, Start Num: 17

Candidate Starts for Sabinator_27:

(11, 15923), (Start: 17 @15977 has 84 MA's), (36, 16091), (48, 16157), (49, 16160), (51, 16169), (60, 16205), (69, 16256), (93, 16328), (106, 16400), (141, 16520), (142, 16523), (158, 16592), (170, 16637), (197, 16730), (203, 16739), (209, 16757), (217, 16784), (233, 16847), (237, 16859), (245, 16892), (249, 16910), (261, 16976), (264, 16979), (267, 16985), (269, 17000), (272, 17009), (274, 17021), (276, 17030), (288, 17108), (292, 17123), (315, 17240), (316, 17243), (323, 17270), (325, 17282), (336, 17336), (341, 17357), (358, 17423), (366, 17462), (395, 17555), (411, 17603), (424, 17648), (438, 17696), (452, 17738), (453, 17747), (462, 17777), (463, 17780), (465, 17792), (484, 17849), (488, 17855), (504, 17876), (505, 17879), (555, 18017), (558, 18029), (585, 18089), (604, 18146), (640, 18284), (643, 18305), (647, 18329), (656, 18374), (662, 18392), (678, 18440), (681, 18452), (701, 18494), (718, 18557), (734, 18614), (744, 18683), (751, 18719), (770, 18800), (796, 18935),

Gene: Sachima_25 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for Sachima_25:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (151, 18085), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (523, 19456), (546, 19510), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: Sagefire_25 Start: 17215, Stop: 19686, Start Num: 77

Candidate Starts for Sagefire_25:

(Start: 77 @17215 has 209 MA's), (90, 17254), (Start: 107 @17317 has 1 MA's), (Start: 115 @17347 has 23 MA's), (Start: 121 @17368 has 10 MA's), (128, 17389), (133, 17401), (176, 17419), (201, 17509), (252, 17707), (258, 17740), (274, 17806), (321, 18061), (325, 18082), (331, 18109), (402, 18268), (428, 18304), (467, 18397), (473, 18418), (497, 18475), (543, 18595), (554, 18631), (566, 18661), (578, 18697), (598, 18763), (605, 18784), (640, 18925), (675, 19066), (683, 19087), (723, 19222), (752, 19399), (778, 19510), (782, 19552), (794, 19597), (798, 19636), (799, 19651),

Gene: Salz_26 Start: 17154, Stop: 19700, Start Num: 71

Candidate Starts for Salz_26:

(Start: 71 @17154 has 22 MA's), (Start: 78 @17172 has 2 MA's), (127, 17346), (Start: 129 @17355 has 1 MA's), (166, 17430), (189, 17484), (206, 17538), (211, 17553), (212, 17556), (217, 17574), (233, 17637), (237, 17649), (252, 17712), (265, 17775), (269, 17790), (272, 17799), (276, 17820), (280, 17844), (282, 17859), (300, 17946), (302, 17949), (307, 17964), (310, 17985), (312, 17997), (321, 18063), (335, 18135), (341, 18159), (371, 18240), (374, 18249), (378, 18261), (393, 18303), (422, 18360), (442, 18414), (481, 18522), (495, 18561), (546, 18702), (580, 18798), (589, 18819), (602, 18852), (613, 18885), (614, 18888), (639, 18972), (648, 19017), (649, 19020), (680, 19134), (690, 19167), (714, 19239), (724, 19275), (738, 19347), (750, 19425), (760, 19479), (769, 19503), (795, 19614),

Gene: Sandaddy_23 Start: 16328, Stop: 18799, Start Num: 77

Candidate Starts for Sandaddy_23:

(Start: 77 @16328 has 209 MA's), (90, 16367), (Start: 107 @16430 has 1 MA's), (Start: 115 @16460 has 23 MA's), (Start: 121 @16481 has 10 MA's), (128, 16502), (133, 16514), (176, 16532), (201, 16622), (252, 16820), (258, 16853), (274, 16919), (321, 17174), (325, 17195), (331, 17222), (402, 17381), (428, 17417), (467, 17510), (473, 17531), (497, 17588), (543, 17708), (554, 17744), (566, 17774), (578, 17810), (598, 17876), (605, 17897), (640, 18038), (675, 18179), (683, 18200), (752, 18512), (778, 18623), (782, 18665), (794, 18710), (798, 18749), (799, 18764),

Gene: Sanya_23 Start: 16990, Stop: 19461, Start Num: 77

Candidate Starts for Sanya_23:

(Start: 77 @16990 has 209 MA's), (90, 17029), (Start: 107 @17092 has 1 MA's), (Start: 115 @17122 has 23 MA's), (Start: 121 @17143 has 10 MA's), (128, 17164), (133, 17176), (176, 17194), (201, 17284), (252, 17482), (258, 17515), (274, 17581), (321, 17836), (325, 17857), (331, 17884), (402, 18043), (428, 18079), (467, 18172), (473, 18193), (497, 18250), (543, 18370), (554, 18406), (566, 18436), (578, 18472), (598, 18538), (605, 18559), (640, 18700), (675, 18841), (683, 18862), (723, 18997), (752, 19174), (778, 19285), (790, 19351), (794, 19372), (798, 19411), (799, 19426),

Gene: SarFire_24 Start: 16468, Stop: 18939, Start Num: 77

Candidate Starts for SarFire_24:

(Start: 77 @16468 has 209 MA's), (90, 16507), (Start: 107 @16570 has 1 MA's), (Start: 115 @16600 has 23 MA's), (Start: 121 @16621 has 10 MA's), (128, 16642), (176, 16672), (182, 16696), (187, 16717), (201, 16762), (252, 16960), (258, 16993), (274, 17059), (321, 17314), (325, 17335), (331, 17362), (334, 17377), (339, 17401), (388, 17488), (402, 17521), (428, 17557), (467, 17650), (473, 17671), (480, 17686), (491, 17707), (493, 17710), (518, 17779), (529, 17815), (543, 17848), (554, 17884), (566, 17914), (578, 17950), (598, 18016), (605, 18037), (640, 18178), (675, 18319), (683, 18340), (723, 18475), (741, 18571), (752, 18652), (778, 18763), (794, 18850), (798, 18889), (799, 18904),

Gene: Saskia_25 Start: 17175, Stop: 19703, Start Num: 78

Candidate Starts for Saskia_25:

(Start: 71 @17157 has 22 MA's), (Start: 78 @17175 has 2 MA's), (127, 17349), (Start: 129 @17358 has 1 MA's), (166, 17433), (206, 17541), (211, 17556), (212, 17559), (217, 17577), (233, 17640), (237, 17652), (252, 17715), (265, 17778), (269, 17793), (272, 17802), (276, 17823), (280, 17847), (282, 17862), (300, 17949), (302, 17952), (307, 17967), (310, 17988), (312, 18000), (321, 18066), (335, 18138), (341, 18162), (371, 18243), (374, 18252), (378, 18264), (393, 18306), (422, 18363), (442, 18417), (481, 18525), (495, 18564), (546, 18705), (580, 18801), (589, 18822), (602, 18855), (613, 18888), (614, 18891), (639, 18975), (648, 19020), (649, 19023), (680, 19137), (690, 19170), (714, 19242), (724, 19278), (738, 19350), (750, 19428), (760, 19482), (769, 19506), (795, 19617),

Gene: SaturnRing_25 Start: 15495, Stop: 18530, Start Num: 16

Candidate Starts for SaturnRing_25:

(Start: 16 @15495 has 33 MA's), (46, 15669), (49, 15681), (54, 15714), (106, 15924), (141, 16044), (142, 16047), (197, 16251), (207, 16272), (216, 16302), (217, 16305), (233, 16368), (237, 16380), (245, 16413), (249, 16431), (264, 16500), (267, 16506), (269, 16521), (272, 16530), (274, 16542), (276, 16551), (292, 16644), (315, 16761), (316, 16764), (322, 16788), (323, 16791), (325, 16803), (336, 16857), (341, 16878), (344, 16899), (358, 16944), (363, 16971), (366, 16983), (411, 17124), (424, 17169), (430, 17184), (452, 17259), (453, 17268), (462, 17298), (465, 17313), (466, 17316), (469, 17334), (477, 17355), (479, 17358), (504, 17397), (505, 17400), (538, 17484), (558, 17550), (569, 17571), (585, 17610), (600, 17649), (605, 17670), (613, 17700), (614, 17703), (617, 17712), (624, 17736), (640, 17805), (643, 17826), (656, 17895), (662, 17913), (678, 17961), (681, 17973), (701, 18015), (704, 18027), (717, 18075), (751, 18246), (754, 18276), (762, 18306), (770, 18327), (796, 18462), (800, 18510),

Gene: Scamp_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Scamp_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (578, 17523), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Scherzo_27 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for Scherzo_27:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (151, 18118), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (424, 19204), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (523, 19489), (546, 19543), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: Scorpio_23 Start: 15062, Stop: 17875, Start Num: 4

Candidate Starts for Scorpio_23:

(Start: 4 @15062 has 8 MA's), (24, 15251), (98, 15599), (136, 15734), (138, 15740), (159, 15833), (176, 15884), (184, 15920), (213, 16010), (227, 16076), (233, 16097), (252, 16172), (258, 16205), (272, 16259), (277, 16292), (278, 16295), (280, 16304), (299, 16403), (308, 16436), (334, 16565), (389, 16679), (418, 16730), (445, 16796), (475, 16889), (493, 16922), (552, 17009), (586, 17042), (590, 17054), (601, 17084), (629, 17147), (635, 17189), (654, 17261), (663, 17288), (668, 17303), (675, 17330), (687, 17351), (719, 17438), (731, 17468), (732, 17471), (742, 17531), (756, 17630), (760, 17642), (763, 17654), (766, 17663), (795, 17792), (796, 17810),

Gene: Scout_25 Start: 14795, Stop: 17833, Start Num: 16

Candidate Starts for Scout_25:

(Start: 16 @14795 has 33 MA's), (46, 14969), (49, 14981), (54, 15014), (106, 15224), (142, 15347), (148, 15368), (197, 15554), (207, 15575), (217, 15608), (233, 15671), (237, 15683), (245, 15716), (249, 15734), (264, 15803), (267, 15809), (269, 15824), (272, 15833), (274, 15845), (276, 15854), (292, 15947), (315, 16064), (316, 16067), (323, 16094), (325, 16106), (336, 16160), (341, 16181), (344, 16202), (358, 16247), (366, 16286), (395, 16379), (411, 16427), (424, 16472), (430, 16487), (452, 16562), (453, 16571), (462, 16601), (465, 16616), (484, 16673), (504, 16700), (505, 16703), (514, 16724), (558, 16853), (569, 16874), (585, 16913), (600, 16952), (605, 16973), (613, 17003), (614, 17006), (617, 17015), (624, 17039), (640, 17108), (643, 17129), (656, 17198), (662, 17216), (678, 17264), (681, 17276), (701, 17318), (704, 17330), (717, 17378), (751, 17549), (754, 17579), (762, 17609), (770, 17630), (796, 17765), (797, 17777), (800, 17813),

Gene: Scowl_25 Start: 16861, Stop: 19521, Start Num: 77

Candidate Starts for Scowl_25:

(Start: 77 @16861 has 209 MA's), (90, 16900), (Start: 107 @16963 has 1 MA's), (110, 16969), (Start: 115 @16993 has 23 MA's), (128, 17035), (252, 17344), (265, 17407), (276, 17452), (281, 17476), (295, 17551), (298, 17563), (369, 17884), (467, 18214), (489, 18265), (497, 18292), (567, 18496), (603, 18610), (605, 18619), (612, 18640), (617, 18661), (640, 18760), (648, 18802), (649, 18805), (688, 18934), (714, 19018), (726, 19063), (778, 19345), (782, 19387), (787, 19405), (794, 19432), (798, 19471), (799, 19486),

Gene: Seabiscuit_26 Start: 16399, Stop: 18867, Start Num: 77

Candidate Starts for Seabiscuit_26:

(Start: 77 @16399 has 209 MA's), (83, 16414), (Start: 115 @16528 has 23 MA's), (Start: 121 @16549 has 10 MA's), (128, 16570), (176, 16600), (182, 16624), (187, 16645), (201, 16690), (252, 16888), (258, 16921), (274, 16987), (321, 17242), (325, 17263), (331, 17290), (402, 17449), (428, 17485), (467, 17578), (473, 17599), (480, 17614), (491, 17635), (493, 17638), (518, 17707), (529, 17743), (543, 17776), (554, 17812), (566, 17842), (578, 17878), (598, 17944), (605, 17965), (617, 18007), (640, 18106), (675, 18247), (683, 18268), (723, 18403), (752, 18580), (778, 18691), (794, 18778), (798, 18817), (800, 18847),

Gene: Seanderson_25 Start: 16848, Stop: 19319, Start Num: 77

Candidate Starts for Seanderson_25:

(Start: 77 @16848 has 209 MA's), (90, 16887), (Start: 107 @16950 has 1 MA's), (Start: 115 @16980 has 23 MA's), (Start: 121 @17001 has 10 MA's), (128, 17022), (176, 17052), (182, 17076), (201, 17142), (252, 17340), (258, 17373), (274, 17439), (321, 17694), (325, 17715), (331, 17742), (339, 17781), (354, 17838), (388, 17868), (467, 18030), (473, 18051), (497, 18108), (543, 18228), (554, 18264), (566, 18294), (578, 18330), (598, 18396), (605, 18417), (640, 18558), (675, 18699), (683, 18720), (723, 18855), (752, 19032), (778, 19143), (790, 19209), (794, 19230), (798, 19269), (799, 19284),

Gene: SemperFi_28 Start: 16964, Stop: 19501, Start Num: 86

Candidate Starts for SemperFi_28:

(Start: 86 @16964 has 90 MA's), (134, 17141), (135, 17144), (137, 17147), (147, 17177), (190, 17315), (194, 17336), (197, 17345), (207, 17366), (217, 17399), (232, 17459), (237, 17474), (249, 17525), (259, 17573), (261, 17591), (272, 17624), (274, 17636), (275, 17639), (276, 17645), (279, 17666), (280, 17669), (296, 17756), (315, 17855), (325, 17897), (326, 17906), (328, 17915), (339, 17963), (341, 17972), (358, 18038), (366, 18077), (424, 18263), (430, 18278), (438, 18311), (453, 18362), (459, 18383), (464, 18398), (465, 18407), (468, 18422), (504, 18491), (558, 18644), (569, 18665), (613, 18794), (626, 18839), (630, 18851), (637, 18887), (707, 19067), (711, 19076), (745, 19187), (750, 19217), (769, 19301),

Gene: SenorClean_25 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for SenorClean_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (221, 16404), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Serenity_25 Start: 15579, Stop: 18095, Start Num: 86

Candidate Starts for Serenity_25:

(Start: 86 @15579 has 90 MA's), (Start: 114 @15690 has 5 MA's), (134, 15756), (135, 15759), (137, 15762), (150, 15810), (194, 15948), (197, 15957), (203, 15966), (237, 16086), (249, 16137), (260, 16194), (264, 16206), (267, 16212), (269, 16227), (274, 16248), (276, 16257), (283, 16305), (315, 16467), (323, 16497), (325, 16509), (333, 16548), (336, 16563), (341, 16584), (353, 16641), (356, 16647), (358, 16650), (363, 16677), (393, 16776), (424, 16875), (430, 16890), (448, 16953), (453, 16974), (459, 16995), (469, 17040), (504, 17103), (505, 17106), (518, 17145), (528, 17172), (543, 17202), (546, 17214), (558, 17256), (585, 17316), (596, 17343), (613, 17406), (630, 17463), (647, 17547), (664, 17613), (707, 17676), (760, 17871), (761, 17874), (769, 17895), (800, 18072), (802, 18081),

Gene: Severus_24 Start: 13964, Stop: 16519, Start Num: 121

Candidate Starts for Severus_24:

(Start: 74 @13787 has 124 MA's), (Start: 121 @13964 has 10 MA's), (146, 14039), (149, 14051), (192, 14213), (200, 14234), (204, 14246), (213, 14276), (219, 14309), (230, 14354), (236, 14372), (239, 14387), (240, 14396), (247, 14417), (266, 14522), (274, 14564), (305, 14729), (333, 14891), (339, 14918), (423, 15095), (436, 15140), (459, 15215), (471, 15263), (472, 15266), (481, 15287), (483, 15290), (505, 15335), (533, 15410), (535, 15413), (543, 15434), (549, 15458), (569, 15524), (577, 15554), (579, 15566), (604, 15653), (608, 15668), (624, 15722), (640, 15797), (652, 15875), (656, 15887), (673, 15944), (678, 15956), (681, 15968), (697, 16010), (701, 16022), (706, 16034), (711, 16049), (718, 16070), (720, 16082), (760, 16295), (778, 16355), (785, 16400), (796, 16451), (800, 16499),

Gene: Shaka_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Shaka_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (164, 16200), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (527, 17355), (545, 17409), (558, 17454), (576, 17514), (592, 17574), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (777, 18318), (778, 18321), (785, 18366), (796, 18417), (800, 18465),

Gene: Sham4_26 Start: 17160, Stop: 19706, Start Num: 71

Candidate Starts for Sham4_26:

(Start: 71 @17160 has 22 MA's), (Start: 78 @17178 has 2 MA's), (127, 17352), (Start: 129 @17361 has 1 MA's), (166, 17436), (189, 17490), (206, 17544), (211, 17559), (212, 17562), (217, 17580), (233, 17643), (237, 17655), (252, 17718), (265, 17781), (269, 17796), (272, 17805), (276, 17826), (280, 17850), (282, 17865), (300, 17952), (302, 17955), (307, 17970), (310, 17991), (312, 18003), (321, 18069), (335, 18141), (341, 18165), (371, 18246), (374, 18255), (378, 18267), (393, 18309), (422, 18366), (442, 18420), (481, 18528), (495, 18567), (546, 18708), (580, 18804), (589, 18825), (602, 18858), (613, 18891), (614, 18894), (639, 18978), (648, 19023), (649, 19026), (680, 19140), (690, 19173), (714, 19245), (724, 19281), (738, 19353), (750, 19431), (760, 19485), (769, 19509), (795, 19620),

Gene: Shapes_29 Start: 15937, Stop: 18492, Start Num: 121

Candidate Starts for Shapes_29:

(Start: 74 @15760 has 124 MA's), (Start: 121 @15937 has 10 MA's), (128, 15958), (147, 16015), (171, 16111), (175, 16120), (204, 16225), (212, 16252), (219, 16288), (239, 16366), (240, 16375), (247, 16396), (252, 16423), (266, 16501), (274, 16543), (305, 16708), (331, 16858), (333, 16870), (423, 17065), (459, 17185), (470, 17230), (471, 17233), (472, 17236), (481, 17257), (483, 17260), (505, 17305), (521, 17341), (527, 17359), (533, 17380), (545, 17413), (578, 17527), (596, 17590), (617, 17668), (624, 17692), (640, 17767), (650, 17833), (656, 17857), (662, 17875), (691, 17971), (701, 17995), (706, 18007), (711, 18022), (718, 18043), (720, 18055), (760, 18268), (771, 18304), (777, 18325), (778, 18328), (796, 18424), (800, 18472),

Gene: ShayRa_29 Start: 16045, Stop: 18231, Start Num: 120

Candidate Starts for ShayRa_29:

(Start: 68 @15868 has 1 MA's), (Start: 72 @15877 has 4 MA's), (Start: 120 @16045 has 17 MA's), (208, 16285), (210, 16291), (228, 16360), (243, 16417), (276, 16561), (282, 16603), (291, 16651), (292, 16654), (314, 16765), (317, 16783), (341, 16888), (351, 16936), (425, 17041), (447, 17101), (468, 17155), (487, 17191), (498, 17215), (502, 17224), (526, 17287), (537, 17308), (542, 17323), (552, 17347), (556, 17359), (584, 17413), (592, 17434), (605, 17464), (659, 17635), (667, 17656), (700, 17740), (770, 18043), (796, 18166), (797, 18178),

Gene: SheaKeira_26 Start: 15769, Stop: 18678, Start Num: 31

Candidate Starts for SheaKeira_26:

(8, 15580), (19, 15682), (Start: 31 @15769 has 33 MA's), (35, 15781), (58, 15892), (61, 15901), (65, 15925), (67, 15934), (73, 15955), (Start: 76 @15964 has 49 MA's), (84, 15997), (97, 16051), (124, 16165), (141, 16219), (142, 16222), (176, 16348), (194, 16423), (197, 16432), (216, 16483), (220, 16498), (233, 16549), (237, 16561), (244, 16591), (249, 16612), (258, 16657), (259, 16660), (261, 16678), (264, 16681), (269, 16702), (276, 16732), (277, 16744), (284, 16783), (285, 16792), (292, 16825), (294, 16837), (315, 16942), (335, 17035), (336, 17038), (341, 17059), (342, 17068), (344, 17080), (350, 17104), (352, 17113), (353, 17116), (358, 17125), (361, 17143), (363, 17152), (368, 17176), (395, 17257), (408, 17296), (429, 17362), (459, 17470), (466, 17497), (469, 17515), (477, 17536), (488, 17557), (489, 17560), (504, 17578), (505, 17581), (516, 17608), (523, 17635), (540, 17668), (547, 17695), (613, 17881), (626, 17926), (630, 17938), (638, 17977), (647, 18022), (650, 18043), (656, 18067), (662, 18085), (668, 18106), (673, 18124), (701, 18187), (708, 18208), (727, 18280), (729, 18289), (744, 18367), (751, 18403), (763, 18466), (769, 18478), (784, 18553), (797, 18619), (801, 18661),

Gene: Sheen_27 Start: 17618, Stop: 20998, Start Num: 3

Candidate Starts for Sheen_27:

(Start: 3 @17618 has 4 MA's), (59, 18005), (70, 18062), (81, 18089), (97, 18170), (101, 18194), (104, 18206), (116, 18257), (144, 18353), (155, 18404), (205, 18587), (207, 18593), (217, 18626), (220, 18638), (244, 18731), (249, 18752), (252, 18764), (283, 18920), (287, 18944), (303, 19007), (315, 19082), (325, 19124), (336, 19178), (341, 19199), (353, 19256), (356, 19262), (358, 19265), (376, 19349), (382, 19364), (393, 19391), (395, 19397), (424, 19490), (429, 19502), (430, 19505), (469, 19655), (474, 19670), (482, 19688), (492, 19712), (496, 19730), (497, 19733), (499, 19739), (536, 19844), (555, 19907), (556, 19910), (573, 19967), (574, 19973), (588, 20021), (596, 20051), (617, 20129), (619, 20141), (622, 20150), (643, 20249), (656, 20318), (662, 20336), (685, 20420), (686, 20432), (689, 20444), (708, 20495), (712, 20516), (723, 20567), (731, 20600), (745, 20681), (751, 20714), (754, 20744), (768, 20786), (775, 20810), (788, 20876), (792, 20891), (793, 20897), (798, 20948),

Gene: SheldonCooper_26 Start: 16197, Stop: 18797, Start Num: 74

Candidate Starts for SheldonCooper_26:

(Start: 74 @16197 has 124 MA's), (Start: 115 @16338 has 23 MA's), (Start: 121 @16356 has 10 MA's), (164, 16512), (180, 16563), (196, 16632), (229, 16749), (237, 16776), (252, 16839), (265, 16902), (276, 16947), (282, 16989), (299, 17073), (344, 17280), (387, 17340), (415, 17391), (432, 17436), (460, 17514), (470, 17547), (472, 17553), (545, 17721), (550, 17742), (558, 17766), (576, 17826), (577, 17832), (578, 17835), (592, 17886), (605, 17934), (624, 18000), (656, 18165), (662, 18183), (706, 18309), (756, 18561), (757, 18564), (760, 18573), (777, 18630), (778, 18633), (785, 18678), (796, 18729), (800, 18777),

Gene: ShortQueendom_23 Start: 16288, Stop: 18759, Start Num: 77

Candidate Starts for ShortQueendom_23:

(Start: 77 @16288 has 209 MA's), (90, 16327), (Start: 107 @16390 has 1 MA's), (Start: 115 @16420 has 23 MA's), (Start: 121 @16441 has 10 MA's), (128, 16462), (133, 16474), (176, 16492), (201, 16582), (252, 16780), (258, 16813), (274, 16879), (321, 17134), (325, 17155), (331, 17182), (402, 17341), (428, 17377), (467, 17470), (473, 17491), (497, 17548), (529, 17635), (543, 17668), (554, 17704), (566, 17734), (578, 17770), (598, 17836), (605, 17857), (640, 17998), (675, 18139), (683, 18160), (723, 18295), (752, 18472), (778, 18583), (782, 18625), (794, 18670), (798, 18709), (799, 18724),

Gene: Shygu2_25 Start: 15876, Stop: 18476, Start Num: 74

Candidate Starts for Shygu2_25:

(Start: 74 @15876 has 124 MA's), (164, 16191), (171, 16218), (184, 16266), (202, 16323), (229, 16428), (233, 16443), (252, 16518), (276, 16626), (279, 16647), (282, 16668), (387, 17019), (415,

17070), (431, 17112), (432, 17115), (470, 17226), (472, 17232), (531, 17364), (545, 17400), (559, 17448), (592, 17565), (624, 17679), (656, 17844), (662, 17862), (701, 17976), (706, 17988), (733, 18078), (747, 18171), (757, 18243), (760, 18252), (778, 18312), (779, 18321), (796, 18408), (800, 18456),

Gene: Sibs6_26 Start: 16924, Stop: 19404, Start Num: 77

Candidate Starts for Sibs6_26:

(Start: 77 @16924 has 209 MA's), (90, 16963), (Start: 107 @17026 has 1 MA's), (Start: 115 @17056 has 23 MA's), (128, 17098), (223, 17305), (229, 17323), (252, 17413), (265, 17476), (272, 17500), (274, 17512), (282, 17563), (393, 17947), (450, 18049), (462, 18088), (467, 18103), (470, 18115), (480, 18139), (529, 18268), (566, 18367), (598, 18469), (605, 18490), (617, 18532), (640, 18631), (651, 18694), (678, 18784), (717, 18913), (725, 18946), (778, 19228), (790, 19294), (794, 19315), (798, 19354), (800, 19384),

Gene: SkiPole_26 Start: 16553, Stop: 19165, Start Num: 77

Candidate Starts for SkiPole_26:

(Start: 77 @16553 has 209 MA's), (90, 16592), (Start: 107 @16655 has 1 MA's), (110, 16661), (Start: 115 @16685 has 23 MA's), (128, 16727), (147, 16778), (223, 17066), (229, 17084), (252, 17174), (265, 17237), (272, 17261), (274, 17273), (282, 17324), (393, 17708), (450, 17810), (462, 17849), (467, 17864), (470, 17876), (480, 17900), (512, 17975), (529, 18029), (566, 18128), (598, 18230), (605, 18251), (607, 18260), (617, 18293), (633, 18368), (640, 18392), (651, 18455), (683, 18566), (700, 18608), (717, 18674), (725, 18707), (778, 18989), (794, 19076), (798, 19115), (799, 19130),

Gene: Skipitt_25 Start: 16023, Stop: 18482, Start Num: 115

Candidate Starts for Skipitt_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (521, 17334), (523, 17343), (545, 17406), (550, 17427), (559, 17454), (576, 17511), (577, 17517), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Sknot_26 Start: 16673, Stop: 19180, Start Num: 86

Candidate Starts for Sknot_26:

(Start: 86 @16673 has 90 MA's), (Start: 114 @16784 has 5 MA's), (132, 16841), (187, 16997), (194, 17027), (217, 17090), (224, 17123), (226, 17129), (269, 17309), (272, 17318), (276, 17339), (279, 17360), (280, 17363), (282, 17381), (293, 17441), (315, 17549), (325, 17591), (336, 17645), (341, 17666), (356, 17729), (358, 17732), (361, 17750), (366, 17771), (424, 17957), (430, 17972), (435, 17999), (453, 18056), (458, 18071), (459, 18077), (462, 18086), (464, 18092), (469, 18122), (477, 18143), (505, 18188), (508, 18194), (518, 18227), (528, 18254), (555, 18326), (558, 18338), (585, 18398), (596, 18425), (613, 18488), (626, 18533), (630, 18545), (637, 18581), (646, 18617), (650, 18650), (688, 18713), (701, 18737), (746, 18881), (769, 18980), (788, 19067), (802, 19166),

Gene: Slagathor_25 Start: 16276, Stop: 18747, Start Num: 77

Candidate Starts for Slagathor_25:

(Start: 77 @16276 has 209 MA's), (90, 16315), (Start: 107 @16378 has 1 MA's), (Start: 115 @16408 has 23 MA's), (Start: 121 @16429 has 10 MA's), (128, 16450), (133, 16462), (176, 16480), (182, 16504), (201, 16570), (252, 16768), (258, 16801), (274, 16867), (321, 17122), (325, 17143), (331, 17170), (402, 17329), (428, 17365), (467, 17458), (473, 17479), (497, 17536), (543, 17656), (554, 17692), (566, 17722), (578, 17758), (598, 17824), (605, 17845), (640, 17986), (675, 18127), (683, 18148), (723, 18283), (752, 18460), (778, 18571), (790, 18637), (794, 18658), (798, 18697), (799, 18712),

Gene: Smairt_25 Start: 17108, Stop: 19579, Start Num: 77

Candidate Starts for Smairt_25:

(Start: 77 @17108 has 209 MA's), (90, 17147), (Start: 107 @17210 has 1 MA's), (Start: 115 @17240 has 23 MA's), (Start: 121 @17261 has 10 MA's), (128, 17282), (133, 17294), (176, 17312), (201, 17402), (252, 17600), (258, 17633), (274, 17699), (321, 17954), (325, 17975), (331, 18002), (402, 18161), (428, 18197), (467, 18290), (473, 18311), (497, 18368), (543, 18488), (554, 18524), (566, 18554), (578, 18590), (598, 18656), (605, 18677), (640, 18818), (675, 18959), (683, 18980), (723, 19115), (752, 19292), (778, 19403), (794, 19490), (798, 19529), (800, 19559),

Gene: Smeagan_28 Start: 17115, Stop: 19658, Start Num: 86

Candidate Starts for Smeagan_28:

(Start: 86 @17115 has 90 MA's), (135, 17295), (137, 17298), (147, 17328), (188, 17466), (190, 17472), (194, 17493), (197, 17502), (203, 17511), (207, 17523), (220, 17568), (224, 17589), (237, 17631), (249, 17682), (258, 17727), (259, 17730), (261, 17748), (272, 17781), (274, 17793), (276, 17802), (279, 17823), (280, 17826), (296, 17913), (315, 18012), (325, 18054), (326, 18063), (328, 18072), (341, 18129), (358, 18195), (366, 18234), (407, 18363), (424, 18420), (444, 18486), (453, 18519), (458, 18534), (459, 18540), (462, 18549), (465, 18564), (469, 18585), (477, 18606), (488, 18627), (489, 18630), (504, 18648), (505, 18651), (522, 18702), (546, 18759), (551, 18777), (558, 18801), (585, 18861), (596, 18888), (613, 18951), (626, 18996), (655, 19134), (707, 19224), (711, 19233), (728, 19257), (745, 19344), (750, 19374), (769, 19458),

Gene: Smeagol_26 Start: 17697, Stop: 20180, Start Num: 77

Candidate Starts for Smeagol_26:

(Start: 77 @17697 has 209 MA's), (90, 17736), (Start: 107 @17799 has 1 MA's), (Start: 115 @17829 has 23 MA's), (128, 17871), (223, 18078), (252, 18186), (265, 18249), (272, 18273), (274, 18285), (282, 18336), (393, 18720), (450, 18822), (462, 18861), (470, 18888), (480, 18912), (560, 19116), (566, 19128), (573, 19143), (604, 19260), (617, 19305), (621, 19326), (623, 19329), (656, 19494), (675, 19560), (690, 19602), (717, 19689), (726, 19722), (778, 20004), (794, 20091), (798, 20130), (799, 20145),

Gene: SmellyB_29 Start: 16735, Stop: 18939, Start Num: 76

Candidate Starts for SmellyB_29:

(42, 16576), (64, 16690), (Start: 76 @16735 has 49 MA's), (Start: 107 @16846 has 1 MA's), (110, 16852), (142, 16960), (165, 17002), (184, 17068), (214, 17161), (221, 17188), (252, 17311), (258, 17344), (278, 17434), (290, 17503), (341, 17746), (476, 17884), (543, 18004), (610, 18157), (638, 18220), (648, 18262), (678, 18361), (683, 18382), (690, 18403), (700, 18424), (714, 18475), (717, 18487), (722, 18502), (738, 18583), (750, 18661),

Gene: SnapTap_26 Start: 16547, Stop: 19084, Start Num: 86

Candidate Starts for SnapTap_26:

(Start: 86 @16547 has 90 MA's), (134, 16724), (135, 16727), (137, 16730), (147, 16760), (190, 16898), (194, 16919), (197, 16928), (207, 16949), (217, 16982), (232, 17042), (237, 17057), (249, 17108), (259, 17156), (261, 17174), (272, 17207), (274, 17219), (275, 17222), (276, 17228), (279, 17249), (280, 17252), (296, 17339), (315, 17438), (325, 17480), (326, 17489), (328, 17498), (339, 17546), (341, 17555), (358, 17621), (366, 17660), (404, 17783), (424, 17846), (430, 17861), (438, 17894), (453, 17945), (459, 17966), (464, 17981), (465, 17990), (468, 18005), (504, 18074), (558, 18227), (613, 18377), (626, 18422), (630, 18434), (637, 18470), (707, 18650), (711, 18659), (745, 18770), (750, 18800), (769, 18884),

Gene: Snape_26 Start: 17160, Stop: 19706, Start Num: 71

Candidate Starts for Snape_26:

(Start: 71 @17160 has 22 MA's), (Start: 78 @17178 has 2 MA's), (127, 17352), (Start: 129 @17361 has 1 MA's), (166, 17436), (189, 17490), (206, 17544), (211, 17559), (212, 17562), (217, 17580), (233, 17643), (237, 17655), (252, 17718), (265, 17781), (269, 17796), (272, 17805), (276, 17826), (280, 17850), (282, 17865), (300, 17952), (302, 17955), (307, 17970), (310, 17991), (312, 18003), (321, 18069), (334, 18132), (335, 18141), (341, 18165), (371, 18246), (374, 18255), (378, 18267), (393, 18309), (422, 18366), (442, 18420), (481, 18528), (495, 18567), (546, 18708), (580, 18804), (589, 18825), (602, 18858), (613, 18891), (614, 18894), (639, 18978), (648, 19023), (649, 19026), (680, 19140), (690, 19173), (714, 19245), (724, 19281), (738, 19353), (750, 19431), (760, 19485), (769, 19509), (795, 19620),

Gene: Snazzy_22 Start: 15797, Stop: 18268, Start Num: 77

Candidate Starts for Snazzy_22:

(Start: 77 @15797 has 209 MA's), (90, 15836), (Start: 107 @15899 has 1 MA's), (Start: 115 @15929 has 23 MA's), (Start: 121 @15950 has 10 MA's), (128, 15971), (133, 15983), (176, 16001), (201, 16091), (252, 16289), (258, 16322), (274, 16388), (321, 16643), (325, 16664), (331, 16691), (402, 16850), (428, 16886), (467, 16979), (473, 17000), (497, 17057), (543, 17177), (554, 17213), (566, 17243), (578, 17279), (598, 17345), (605, 17366), (640, 17507), (675, 17648), (683, 17669), (723, 17804), (752, 17981), (778, 18092), (794, 18179), (798, 18218),

Gene: Snickers_27 Start: 15953, Stop: 18979, Start Num: 17

Candidate Starts for Snickers_27:

(11, 15899), (Start: 17 @15953 has 84 MA's), (36, 16067), (48, 16133), (49, 16136), (51, 16145), (60, 16181), (69, 16232), (93, 16304), (106, 16376), (141, 16496), (142, 16499), (158, 16568), (170, 16613), (197, 16706), (203, 16715), (209, 16733), (217, 16760), (233, 16823), (237, 16835), (245, 16868), (249, 16886), (261, 16952), (264, 16955), (267, 16961), (269, 16976), (272, 16985), (274, 16997), (276, 17006), (288, 17084), (292, 17099), (315, 17216), (316, 17219), (323, 17246), (325, 17258), (336, 17312), (341, 17333), (358, 17399), (366, 17438), (395, 17531), (411, 17579), (424, 17624), (438, 17672), (452, 17714), (453, 17723), (462, 17753), (463, 17756), (465, 17768), (484, 17825), (488, 17831), (504, 17852), (505, 17855), (555, 17993), (558, 18005), (585, 18065), (605, 18125), (613, 18155), (614, 18158), (617, 18167), (640, 18260), (656, 18350), (678, 18416), (681, 18428), (701, 18470), (718, 18533), (734, 18590), (744, 18659), (751, 18695), (770, 18776), (796, 18911),

Gene: SoYo_27 Start: 15890, Stop: 18916, Start Num: 17

Candidate Starts for SoYo_27:

(11, 15836), (Start: 17 @15890 has 84 MA's), (36, 16004), (48, 16070), (49, 16073), (51, 16082), (60, 16118), (69, 16169), (93, 16241), (106, 16313), (141, 16433), (142, 16436), (158, 16505), (170, 16550), (197, 16643), (203, 16652), (209, 16670), (217, 16697), (233, 16760), (237, 16772), (245, 16805), (249, 16823), (261, 16889), (264, 16892), (267, 16898), (269, 16913), (272, 16922), (274, 16934), (276, 16943), (288, 17021), (292, 17036), (315, 17153), (316, 17156), (323, 17183), (325, 17195), (336, 17249), (341, 17270), (358, 17336), (366, 17375), (395, 17468), (411, 17516), (424, 17561), (438, 17609), (452, 17651), (453, 17660), (462, 17690), (463, 17693), (465, 17705), (484, 17762), (488, 17768), (504, 17789), (505, 17792), (555, 17930), (558, 17942), (585, 18002), (604, 18059), (640, 18197), (643, 18218), (647, 18242), (656, 18287), (662, 18305), (678, 18353), (681, 18365), (701, 18407), (718, 18470), (734, 18527), (744, 18596), (751, 18632), (770, 18713), (796, 18848),

Gene: SoilDragon_27 Start: 15667, Stop: 18693, Start Num: 17

Candidate Starts for SoilDragon_27:

(11, 15613), (Start: 17 @15667 has 84 MA's), (36, 15781), (48, 15847), (49, 15850), (51, 15859), (60, 15895), (69, 15946), (93, 16018), (106, 16090), (141, 16210), (142, 16213), (158, 16282), (170, 16327), (197, 16420), (203, 16429), (217, 16474), (233, 16537), (237, 16549), (245, 16582), (249, 16600), (261, 16666), (264, 16669), (267, 16675), (269, 16690), (272, 16699), (274, 16711), (276,

16720), (292, 16813), (312, 16900), (315, 16930), (316, 16933), (323, 16960), (325, 16972), (336, 17026), (341, 17047), (346, 17077), (358, 17113), (411, 17293), (424, 17338), (438, 17386), (452, 17428), (453, 17437), (462, 17467), (484, 17539), (504, 17566), (505, 17569), (512, 17581), (553, 17698), (555, 17707), (558, 17719), (585, 17779), (605, 17839), (613, 17869), (614, 17872), (617, 17881), (640, 17974), (656, 18064), (678, 18130), (681, 18142), (701, 18184), (718, 18247), (734, 18304), (744, 18373), (751, 18409), (770, 18490), (796, 18625),

Gene: Solon_24 Start: 16959, Stop: 19430, Start Num: 77

Candidate Starts for Solon_24:

(Start: 77 @16959 has 209 MA's), (90, 16998), (Start: 107 @17061 has 1 MA's), (Start: 115 @17091 has 23 MA's), (Start: 121 @17112 has 10 MA's), (128, 17133), (133, 17145), (176, 17163), (201, 17253), (252, 17451), (258, 17484), (274, 17550), (321, 17805), (325, 17826), (331, 17853), (402, 18012), (428, 18048), (467, 18141), (473, 18162), (497, 18219), (543, 18339), (554, 18375), (566, 18405), (578, 18441), (598, 18507), (605, 18528), (640, 18669), (675, 18810), (683, 18831), (723, 18966), (752, 19143), (778, 19254), (790, 19320), (794, 19341), (798, 19380), (799, 19395),

Gene: SororFago_25 Start: 15738, Stop: 18149, Start Num: 107

Candidate Starts for SororFago_25:

(Start: 107 @15738 has 1 MA's), (Start: 114 @15759 has 5 MA's), (123, 15792), (152, 15894), (162, 15936), (176, 15978), (189, 16029), (217, 16119), (237, 16203), (252, 16266), (258, 16299), (267, 16332), (272, 16353), (276, 16374), (282, 16416), (294, 16479), (322, 16620), (394, 16788), (396, 16794), (415, 16818), (439, 16878), (504, 17052), (612, 17349), (628, 17409), (634, 17442), (635, 17454), (643, 17487), (646, 17496), (654, 17547), (682, 17628), (687, 17640), (697, 17664), (718, 17718), (720, 17730), (743, 17835), (764, 17946), (784, 18021), (797, 18087), (800, 18123),

Gene: Sorpresa_24 Start: 16328, Stop: 18799, Start Num: 77

Candidate Starts for Sorpresa_24:

(Start: 77 @16328 has 209 MA's), (90, 16367), (Start: 107 @16430 has 1 MA's), (Start: 115 @16460 has 23 MA's), (Start: 121 @16481 has 10 MA's), (128, 16502), (133, 16514), (176, 16532), (201, 16622), (252, 16820), (258, 16853), (274, 16919), (321, 17174), (325, 17195), (331, 17222), (402, 17381), (428, 17417), (467, 17510), (473, 17531), (497, 17588), (543, 17708), (554, 17744), (566, 17774), (578, 17810), (598, 17876), (605, 17897), (640, 18038), (675, 18179), (683, 18200), (752, 18512), (778, 18623), (782, 18665), (794, 18710), (798, 18749), (799, 18764),

Gene: Soshari_29 Start: 16062, Stop: 19088, Start Num: 17

Candidate Starts for Soshari_29:

(11, 16008), (Start: 17 @16062 has 84 MA's), (36, 16176), (48, 16242), (49, 16245), (51, 16254), (60, 16290), (69, 16341), (93, 16413), (106, 16485), (141, 16605), (142, 16608), (158, 16677), (170, 16722), (197, 16815), (203, 16824), (209, 16842), (217, 16869), (233, 16932), (237, 16944), (245, 16977), (249, 16995), (261, 17061), (264, 17064), (267, 17070), (269, 17085), (272, 17094), (274, 17106), (276, 17115), (288, 17193), (292, 17208), (315, 17325), (316, 17328), (323, 17355), (325, 17367), (336, 17421), (341, 17442), (358, 17508), (366, 17547), (395, 17640), (411, 17688), (424, 17733), (438, 17781), (452, 17823), (453, 17832), (462, 17862), (463, 17865), (465, 17877), (484, 17934), (488, 17940), (504, 17961), (505, 17964), (555, 18102), (558, 18114), (585, 18174), (604, 18231), (640, 18369), (643, 18390), (647, 18414), (656, 18459), (662, 18477), (678, 18525), (681, 18537), (701, 18579), (718, 18642), (734, 18699), (744, 18768), (751, 18804), (770, 18885), (796, 19020),

Gene: Soups_28 Start: 16045, Stop: 18231, Start Num: 120

Candidate Starts for Soups_28:

(Start: 68 @15868 has 1 MA's), (Start: 72 @15877 has 4 MA's), (Start: 120 @16045 has 17 MA's), (208, 16285), (210, 16291), (228, 16360), (243, 16417), (276, 16561), (282, 16603), (291, 16651), (292, 16654), (314, 16765), (317, 16783), (341, 16888), (351, 16936), (425, 17041), (447, 17101),

(468, 17155), (487, 17191), (498, 17215), (502, 17224), (526, 17287), (537, 17308), (542, 17323), (552, 17347), (556, 17359), (584, 17413), (592, 17434), (605, 17464), (659, 17635), (667, 17656), (700, 17740), (770, 18043), (796, 18166), (797, 18178),

Gene: Sparxx_25 Start: 15883, Stop: 18483, Start Num: 74

Candidate Starts for Sparxx_25:

(Start: 74 @15883 has 124 MA's), (Start: 115 @16024 has 23 MA's), (Start: 121 @16042 has 10 MA's), (180, 16249), (189, 16288), (196, 16318), (229, 16435), (237, 16462), (252, 16525), (265, 16588), (276, 16633), (282, 16675), (299, 16759), (387, 17026), (415, 17077), (432, 17122), (460, 17200), (472, 17239), (481, 17260), (545, 17407), (550, 17428), (558, 17452), (576, 17512), (577, 17518), (578, 17521), (592, 17572), (605, 17620), (624, 17686), (656, 17851), (662, 17869), (706, 17995), (756, 18247), (757, 18250), (760, 18259), (778, 18319), (796, 18415), (800, 18463),

Gene: Spike509_27 Start: 16063, Stop: 19089, Start Num: 17

Candidate Starts for Spike509_27:

(11, 16009), (Start: 17 @16063 has 84 MA's), (36, 16177), (48, 16243), (49, 16246), (51, 16255), (60, 16291), (69, 16342), (93, 16414), (106, 16486), (141, 16606), (142, 16609), (158, 16678), (170, 16723), (197, 16816), (203, 16825), (209, 16843), (217, 16870), (233, 16933), (237, 16945), (245, 16978), (249, 16996), (261, 17062), (264, 17065), (267, 17071), (269, 17086), (272, 17095), (274, 17107), (276, 17116), (288, 17194), (292, 17209), (315, 17326), (316, 17329), (323, 17356), (325, 17368), (336, 17422), (341, 17443), (358, 17509), (366, 17548), (395, 17641), (411, 17689), (424, 17734), (452, 17824), (453, 17833), (462, 17863), (477, 17920), (484, 17935), (504, 17962), (505, 17965), (555, 18103), (558, 18115), (585, 18175), (604, 18232), (640, 18370), (643, 18391), (647, 18415), (656, 18460), (662, 18478), (678, 18526), (681, 18538), (701, 18580), (718, 18643), (734, 18700), (744, 18769), (751, 18805), (770, 18886), (796, 19021),

Gene: SpikeBT_26 Start: 17264, Stop: 19735, Start Num: 77

Candidate Starts for SpikeBT_26:

(Start: 77 @17264 has 209 MA's), (90, 17303), (Start: 107 @17366 has 1 MA's), (Start: 115 @17396 has 23 MA's), (Start: 121 @17417 has 10 MA's), (128, 17438), (133, 17450), (176, 17468), (201, 17558), (252, 17756), (258, 17789), (274, 17855), (321, 18110), (325, 18131), (331, 18158), (402, 18317), (428, 18353), (467, 18446), (473, 18467), (497, 18524), (529, 18611), (543, 18644), (554, 18680), (566, 18710), (578, 18746), (598, 18812), (605, 18833), (640, 18974), (675, 19115), (683, 19136), (723, 19271), (752, 19448), (778, 19559), (782, 19601), (794, 19646), (798, 19685), (799, 19700),

Gene: Spino_25 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for Spino_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Spouty_27 Start: 17620, Stop: 20529, Start Num: 31

Candidate Starts for Spouty_27:

(Start: 31 @17620 has 33 MA's), (35, 17632), (47, 17692), (98, 17914), (113, 17977), (124, 18019), (141, 18073), (142, 18076), (151, 18115), (199, 18286), (203, 18292), (208, 18307), (232, 18397), (233, 18400), (237, 18412), (248, 18454), (258, 18508), (261, 18529), (276, 18583), (279, 18604), (280, 18607), (282, 18625), (294, 18688), (311, 18754), (315, 18793), (322, 18820), (325, 18835), (332, 18865), (336, 18889), (339, 18901), (341, 18910), (358, 18976), (366, 19015), (386, 19081), (395, 19108), (403, 19135), (437, 19246), (459, 19321), (465, 19345), (469, 19366), (477, 19387),

(488, 19408), (489, 19411), (504, 19429), (505, 19432), (516, 19459), (540, 19519), (548, 19549), (558, 19582), (573, 19612), (579, 19624), (613, 19732), (618, 19747), (626, 19777), (638, 19828), (655, 19915), (657, 19924), (673, 19975), (701, 20038), (708, 20059), (717, 20095), (728, 20131), (729, 20137), (744, 20215), (749, 20242), (780, 20371), (784, 20401), (792, 20428), (797, 20467), (801, 20509),

Gene: Squee_25 Start: 17091, Stop: 19706, Start Num: 77

Candidate Starts for Squee_25:

(Start: 77 @17091 has 209 MA's), (90, 17130), (Start: 107 @17193 has 1 MA's), (110, 17199), (Start: 115 @17223 has 23 MA's), (186, 17331), (237, 17502), (251, 17562), (252, 17565), (277, 17688), (282, 17718), (295, 17781), (341, 18000), (359, 18072), (376, 18120), (397, 18165), (466, 18390), (467, 18399), (480, 18435), (497, 18477), (567, 18681), (603, 18795), (605, 18804), (612, 18825), (617, 18846), (640, 18945), (648, 18987), (649, 18990), (688, 19119), (714, 19203), (726, 19248), (778, 19530), (790, 19596), (794, 19617), (798, 19656), (799, 19671),

Gene: Stagni_27 Start: 15981, Stop: 19007, Start Num: 17

Candidate Starts for Stagni_27:

(11, 15927), (Start: 17 @15981 has 84 MA's), (36, 16095), (48, 16161), (49, 16164), (51, 16173), (60, 16209), (69, 16260), (93, 16332), (106, 16404), (141, 16524), (142, 16527), (158, 16596), (170, 16641), (197, 16734), (203, 16743), (209, 16761), (217, 16788), (233, 16851), (237, 16863), (245, 16896), (249, 16914), (261, 16980), (264, 16983), (267, 16989), (269, 17004), (272, 17013), (274, 17025), (276, 17034), (292, 17127), (315, 17244), (316, 17247), (323, 17274), (325, 17286), (336, 17340), (341, 17361), (358, 17427), (363, 17454), (395, 17559), (411, 17607), (424, 17652), (438, 17700), (452, 17742), (453, 17751), (462, 17781), (463, 17784), (465, 17796), (484, 17853), (488, 17859), (504, 17880), (505, 17883), (555, 18021), (558, 18033), (585, 18093), (605, 18153), (613, 18183), (614, 18186), (617, 18195), (640, 18288), (656, 18378), (678, 18444), (681, 18456), (701, 18498), (718, 18561), (734, 18618), (744, 18687), (751, 18723), (770, 18804), (796, 18939),

Gene: StarStuff_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for StarStuff_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: Stasia_26 Start: 16324, Stop: 18924, Start Num: 74

Candidate Starts for Stasia_26:

(Start: 74 @16324 has 124 MA's), (Start: 115 @16465 has 23 MA's), (189, 16729), (196, 16759), (208, 16789), (213, 16804), (223, 16858), (229, 16876), (237, 16903), (252, 16966), (276, 17074), (396, 17494), (415, 17518), (432, 17563), (434, 17572), (545, 17848), (578, 17962), (592, 18013), (605, 18061), (614, 18094), (624, 18127), (628, 18145), (656, 18292), (662, 18310), (706, 18436), (733, 18526), (747, 18619), (757, 18691), (760, 18700), (767, 18724), (778, 18760), (779, 18769), (785, 18805), (796, 18856), (800, 18904),

Gene: SteMason_24 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for SteMason_24:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577,

17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Steamy_27 Start: 17182, Stop: 20196, Start Num: 9

Candidate Starts for Steamy_27:

(5, 17137), (Start: 9 @17182 has 5 MA's), (22, 17305), (Start: 31 @17359 has 33 MA's), (33, 17362), (35, 17371), (63, 17506), (67, 17527), (87, 17602), (103, 17674), (113, 17716), (141, 17812), (142, 17815), (176, 17941), (199, 18028), (207, 18046), (208, 18049), (232, 18139), (233, 18142), (237, 18154), (244, 18184), (249, 18205), (264, 18274), (276, 18325), (279, 18346), (293, 18427), (311, 18496), (315, 18535), (325, 18577), (328, 18595), (336, 18631), (341, 18652), (358, 18718), (360, 18727), (361, 18736), (363, 18745), (372, 18790), (384, 18820), (401, 18868), (424, 18943), (438, 18991), (459, 19063), (469, 19108), (474, 19123), (484, 19144), (504, 19171), (514, 19195), (517, 19204), (558, 19324), (585, 19384), (595, 19411), (613, 19474), (626, 19519), (647, 19615), (660, 19669), (688, 19720), (696, 19744), (701, 19753), (726, 19816), (746, 19906), (747, 19909), (769, 19993), (797, 20134),

Gene: StepMih_27 Start: 15972, Stop: 18998, Start Num: 17

Candidate Starts for StepMih_27:

(11, 15918), (Start: 17 @15972 has 84 MA's), (36, 16086), (48, 16152), (49, 16155), (51, 16164), (60, 16200), (69, 16251), (93, 16323), (106, 16395), (141, 16515), (142, 16518), (158, 16587), (170, 16632), (197, 16725), (203, 16734), (209, 16752), (217, 16779), (233, 16842), (237, 16854), (245, 16887), (249, 16905), (261, 16971), (264, 16974), (267, 16980), (269, 16995), (272, 17004), (274, 17016), (276, 17025), (292, 17118), (315, 17235), (316, 17238), (323, 17265), (325, 17277), (336, 17331), (341, 17352), (358, 17418), (363, 17445), (395, 17550), (411, 17598), (424, 17643), (438, 17691), (452, 17733), (453, 17742), (462, 17772), (463, 17775), (465, 17787), (484, 17844), (488, 17850), (504, 17871), (505, 17874), (555, 18012), (558, 18024), (585, 18084), (605, 18144), (613, 18174), (614, 18177), (617, 18186), (640, 18279), (656, 18369), (678, 18435), (681, 18447), (701, 18489), (718, 18552), (734, 18609), (744, 18678), (751, 18714), (770, 18795), (796, 18930),

Gene: StewieG_23 Start: 16171, Stop: 18642, Start Num: 77

Candidate Starts for StewieG_23:

(Start: 77 @16171 has 209 MA's), (90, 16210), (Start: 107 @16273 has 1 MA's), (Start: 115 @16303 has 23 MA's), (Start: 121 @16324 has 10 MA's), (128, 16345), (176, 16375), (182, 16399), (201, 16465), (252, 16663), (258, 16696), (274, 16762), (321, 17017), (325, 17038), (331, 17065), (402, 17224), (428, 17260), (467, 17353), (473, 17374), (497, 17431), (543, 17551), (554, 17587), (566, 17617), (578, 17653), (598, 17719), (605, 17740), (640, 17881), (675, 18022), (683, 18043), (723, 18178), (752, 18355), (778, 18466), (790, 18532), (794, 18553), (798, 18592), (799, 18607),

Gene: Stink_26 Start: 16165, Stop: 18765, Start Num: 74

Candidate Starts for Stink_26:

(Start: 74 @16165 has 124 MA's), (Start: 129 @16348 has 1 MA's), (171, 16507), (184, 16555), (229, 16717), (234, 16735), (252, 16807), (276, 16915), (290, 16999), (344, 17248), (396, 17335), (415, 17359), (432, 17404), (470, 17515), (472, 17521), (531, 17653), (545, 17689), (550, 17710), (559, 17737), (576, 17794), (592, 17854), (624, 17968), (656, 18133), (662, 18151), (684, 18220), (706, 18277), (748, 18466), (757, 18532), (760, 18541), (778, 18601), (779, 18610), (785, 18646), (791, 18664), (796, 18697), (800, 18745),

Gene: StrongArm_23 Start: 17348, Stop: 19819, Start Num: 77

Candidate Starts for StrongArm_23:

(Start: 77 @17348 has 209 MA's), (90, 17387), (Start: 107 @17450 has 1 MA's), (Start: 115 @17480 has 23 MA's), (Start: 121 @17501 has 10 MA's), (128, 17522), (133, 17534), (176, 17552), (182, 17576), (187, 17597), (201, 17642), (252, 17840), (258, 17873), (274, 17939), (321, 18194), (325, 18215), (331, 18242), (402, 18401), (428, 18437), (467, 18530), (473, 18551), (497, 18608), (543,

18728), (554, 18764), (566, 18794), (578, 18830), (598, 18896), (605, 18917), (640, 19058), (675, 19199), (683, 19220), (723, 19355), (752, 19532), (778, 19643), (794, 19730), (798, 19769), (800, 19799),

Gene: Strosahl_28 Start: 15884, Stop: 18073, Start Num: 120

Candidate Starts for Strosahl_28:

(Start: 68 @15707 has 1 MA's), (Start: 72 @15716 has 4 MA's), (Start: 120 @15884 has 17 MA's), (208, 16127), (210, 16133), (228, 16202), (243, 16259), (276, 16403), (282, 16445), (291, 16493), (292, 16496), (314, 16607), (317, 16625), (341, 16730), (351, 16778), (425, 16883), (447, 16943), (468, 16997), (487, 17033), (498, 17057), (502, 17066), (526, 17129), (537, 17150), (542, 17165), (552, 17189), (556, 17201), (584, 17255), (592, 17276), (605, 17306), (659, 17477), (667, 17498), (700, 17582), (770, 17885), (796, 18008), (797, 18020),

Gene: Sultana_25 Start: 15886, Stop: 18486, Start Num: 74

Candidate Starts for Sultana_25:

(Start: 74 @15886 has 124 MA's), (Start: 115 @16027 has 23 MA's), (Start: 121 @16045 has 10 MA's), (180, 16252), (189, 16291), (196, 16321), (229, 16438), (237, 16465), (252, 16528), (265, 16591), (276, 16636), (282, 16678), (299, 16762), (387, 17029), (415, 17080), (432, 17125), (460, 17203), (470, 17236), (472, 17242), (481, 17263), (545, 17410), (550, 17431), (558, 17455), (577, 17521), (592, 17575), (605, 17623), (624, 17689), (656, 17854), (662, 17872), (706, 17998), (756, 18250), (757, 18253), (760, 18262), (778, 18322), (796, 18418), (800, 18466),

Gene: Sumter_23 Start: 15910, Stop: 18390, Start Num: 77

Candidate Starts for Sumter_23:

(Start: 77 @15910 has 209 MA's), (90, 15949), (Start: 107 @16012 has 1 MA's), (Start: 115 @16042 has 23 MA's), (128, 16084), (223, 16291), (229, 16309), (252, 16399), (265, 16462), (272, 16486), (274, 16498), (282, 16549), (393, 16933), (450, 17035), (462, 17074), (470, 17101), (480, 17125), (566, 17353), (598, 17455), (605, 17476), (608, 17488), (617, 17518), (640, 17617), (651, 17680), (717, 17899), (725, 17932), (778, 18214), (794, 18301), (798, 18340), (799, 18355),

Gene: Sunhee_24 Start: 15812, Stop: 18205, Start Num: 114

Candidate Starts for Sunhee_24:

(Start: 108 @15794 has 6 MA's), (Start: 114 @15812 has 5 MA's), (123, 15845), (152, 15947), (162, 15989), (180, 16043), (213, 16157), (223, 16211), (237, 16256), (252, 16319), (258, 16352), (279, 16448), (322, 16673), (391, 16832), (415, 16871), (420, 16886), (434, 16925), (478, 17051), (504, 17111), (559, 17267), (588, 17333), (593, 17357), (612, 17408), (628, 17468), (634, 17501), (643, 17546), (646, 17555), (656, 17612), (682, 17687), (687, 17699), (697, 17723), (718, 17777), (722, 17795), (751, 17936), (764, 18005), (797, 18146),

Gene: Sunshine924_23 Start: 15894, Stop: 18374, Start Num: 77

Candidate Starts for Sunshine924_23:

(Start: 77 @15894 has 209 MA's), (90, 15933), (Start: 107 @15996 has 1 MA's), (Start: 115 @16026 has 23 MA's), (128, 16068), (223, 16275), (229, 16293), (252, 16383), (265, 16446), (272, 16470), (274, 16482), (282, 16533), (393, 16917), (450, 17019), (462, 17058), (470, 17085), (480, 17109), (529, 17238), (566, 17337), (598, 17439), (605, 17460), (608, 17472), (617, 17502), (640, 17601), (651, 17664), (717, 17883), (725, 17916), (778, 18198), (794, 18285), (798, 18324), (799, 18339),

Gene: SuperAwesome_29 Start: 16728, Stop: 18932, Start Num: 76

Candidate Starts for SuperAwesome_29:

(42, 16569), (64, 16683), (Start: 76 @16728 has 49 MA's), (Start: 107 @16839 has 1 MA's), (110, 16845), (142, 16953), (165, 16995), (184, 17061), (214, 17154), (221, 17181), (252, 17304), (258, 17337), (278, 17427), (290, 17496), (341, 17739), (476, 17877), (543, 17997), (610, 18150), (638, 18213), (648, 18255), (678, 18354), (683, 18375), (690, 18396), (700, 18417), (714, 18468), (717,

18480), (722, 18495), (738, 18576), (750, 18654),

Gene: SuperCallie99_29 Start: 16727, Stop: 18931, Start Num: 76

Candidate Starts for SuperCallie99_29:

(42, 16568), (64, 16682), (Start: 76 @16727 has 49 MA's), (Start: 107 @16838 has 1 MA's), (110, 16844), (142, 16952), (165, 16994), (202, 17117), (214, 17153), (221, 17180), (252, 17303), (258, 17336), (278, 17426), (290, 17495), (341, 17738), (476, 17876), (543, 17996), (610, 18149), (638, 18212), (648, 18254), (678, 18353), (683, 18374), (690, 18395), (700, 18416), (714, 18467), (717, 18479), (722, 18494), (738, 18575), (750, 18653),

Gene: SweetiePie_26 Start: 16547, Stop: 19084, Start Num: 86

Candidate Starts for SweetiePie_26:

(Start: 86 @16547 has 90 MA's), (134, 16724), (135, 16727), (137, 16730), (147, 16760), (190, 16898), (194, 16919), (197, 16928), (207, 16949), (217, 16982), (232, 17042), (237, 17057), (249, 17108), (259, 17156), (261, 17174), (272, 17207), (274, 17219), (275, 17222), (276, 17228), (279, 17249), (280, 17252), (296, 17339), (315, 17438), (325, 17480), (326, 17489), (328, 17498), (339, 17546), (341, 17555), (358, 17621), (366, 17660), (424, 17846), (430, 17861), (438, 17894), (453, 17945), (459, 17966), (464, 17981), (465, 17990), (468, 18005), (504, 18074), (558, 18227), (569, 18248), (613, 18377), (626, 18422), (630, 18434), (637, 18470), (707, 18650), (711, 18659), (745, 18770), (750, 18800), (769, 18884),

Gene: SwirlSquare_28 Start: 15461, Stop: 17965, Start Num: 88

Candidate Starts for SwirlSquare_28:

(Start: 85 @15443 has 3 MA's), (88, 15461), (Start: 114 @15566 has 5 MA's), (135, 15635), (137, 15638), (194, 15821), (217, 15884), (224, 15917), (237, 15959), (261, 16076), (272, 16109), (275, 16124), (276, 16130), (279, 16151), (280, 16154), (315, 16340), (322, 16367), (325, 16382), (336, 16436), (341, 16457), (358, 16523), (424, 16748), (430, 16763), (438, 16796), (457, 16859), (459, 16868), (465, 16892), (466, 16895), (469, 16913), (484, 16949), (504, 16976), (505, 16979), (518, 17018), (522, 17030), (523, 17033), (555, 17117), (585, 17189), (596, 17216), (604, 17246), (613, 17279), (637, 17372), (664, 17486), (707, 17549), (761, 17747), (769, 17768), (784, 17843),

Gene: SwissCheese_24 Start: 16366, Stop: 18837, Start Num: 77

Candidate Starts for SwissCheese_24:

(Start: 77 @16366 has 209 MA's), (90, 16405), (Start: 107 @16468 has 1 MA's), (Start: 115 @16498 has 23 MA's), (Start: 121 @16519 has 10 MA's), (128, 16540), (133, 16552), (176, 16570), (201, 16660), (252, 16858), (258, 16891), (274, 16957), (321, 17212), (325, 17233), (331, 17260), (402, 17419), (428, 17455), (467, 17548), (473, 17569), (497, 17626), (543, 17746), (554, 17782), (566, 17812), (578, 17848), (598, 17914), (605, 17935), (640, 18076), (675, 18217), (683, 18238), (723, 18373), (752, 18550), (778, 18661), (782, 18703), (794, 18748), (798, 18787),

Gene: Switzer_25 Start: 16505, Stop: 18973, Start Num: 77

Candidate Starts for Switzer_25:

(Start: 77 @16505 has 209 MA's), (83, 16520), (Start: 115 @16634 has 23 MA's), (Start: 121 @16655 has 10 MA's), (128, 16676), (176, 16706), (182, 16730), (187, 16751), (201, 16796), (252, 16994), (258, 17027), (274, 17093), (321, 17348), (325, 17369), (331, 17396), (402, 17555), (428, 17591), (467, 17684), (473, 17705), (480, 17720), (491, 17741), (493, 17744), (518, 17813), (529, 17849), (543, 17882), (554, 17918), (566, 17948), (578, 17984), (598, 18050), (605, 18071), (617, 18113), (640, 18212), (675, 18353), (683, 18374), (723, 18509), (752, 18686), (778, 18797), (794, 18884), (798, 18923), (800, 18953),

Gene: Switzerland_28 Start: 16038, Stop: 18224, Start Num: 120

Candidate Starts for Switzerland_28:

(Start: 68 @15861 has 1 MA's), (Start: 72 @15870 has 4 MA's), (Start: 120 @16038 has 17 MA's), (208, 16278), (210, 16284), (228, 16353), (243, 16410), (276, 16554), (282, 16596), (291, 16644), (292, 16647), (314, 16758), (317, 16776), (341, 16881), (351, 16929), (425, 17034), (447, 17094), (468, 17148), (487, 17184), (498, 17208), (502, 17217), (526, 17280), (537, 17301), (542, 17316), (552, 17340), (556, 17352), (584, 17406), (592, 17427), (605, 17457), (659, 17628), (667, 17649), (700, 17733), (770, 18036), (796, 18159), (797, 18171),

Gene: Swole_26 Start: 16832, Stop: 19303, Start Num: 77

Candidate Starts for Swole_26:

(Start: 77 @16832 has 209 MA's), (90, 16871), (Start: 107 @16934 has 1 MA's), (Start: 115 @16964 has 23 MA's), (Start: 121 @16985 has 10 MA's), (128, 17006), (133, 17018), (176, 17036), (201, 17126), (252, 17324), (258, 17357), (274, 17423), (321, 17678), (325, 17699), (331, 17726), (402, 17885), (428, 17921), (467, 18014), (473, 18035), (497, 18092), (543, 18212), (554, 18248), (566, 18278), (578, 18314), (598, 18380), (605, 18401), (640, 18542), (675, 18683), (683, 18704), (723, 18839), (752, 19016), (778, 19127), (790, 19193), (794, 19214), (798, 19253), (799, 19268),

Gene: TNguyen7_25 Start: 15465, Stop: 18500, Start Num: 16

Candidate Starts for TNguyen7_25:

(Start: 16 @15465 has 33 MA's), (46, 15639), (49, 15651), (54, 15684), (106, 15894), (141, 16014), (142, 16017), (197, 16221), (207, 16242), (216, 16272), (217, 16275), (233, 16338), (237, 16350), (245, 16383), (249, 16401), (264, 16470), (267, 16476), (269, 16491), (272, 16500), (274, 16512), (276, 16521), (292, 16614), (315, 16731), (316, 16734), (322, 16758), (323, 16761), (325, 16773), (336, 16827), (341, 16848), (344, 16869), (358, 16914), (363, 16941), (366, 16953), (411, 17094), (424, 17139), (430, 17154), (452, 17229), (453, 17238), (462, 17268), (465, 17283), (466, 17286), (469, 17304), (477, 17325), (479, 17328), (504, 17367), (505, 17370), (538, 17454), (558, 17520), (569, 17541), (585, 17580), (600, 17619), (605, 17640), (613, 17670), (614, 17673), (617, 17682), (624, 17706), (640, 17775), (643, 17796), (656, 17865), (662, 17883), (678, 17931), (681, 17943), (701, 17985), (704, 17997), (717, 18045), (751, 18216), (754, 18246), (762, 18276), (770, 18297), (796, 18432), (800, 18480),

Gene: Taquarus_25 Start: 15888, Stop: 18488, Start Num: 74

Candidate Starts for Taquarus_25:

(Start: 74 @15888 has 124 MA's), (Start: 115 @16029 has 23 MA's), (Start: 121 @16047 has 10 MA's), (180, 16254), (189, 16293), (196, 16323), (229, 16440), (237, 16467), (252, 16530), (265, 16593), (276, 16638), (282, 16680), (299, 16764), (387, 17031), (415, 17082), (432, 17127), (460, 17205), (472, 17244), (545, 17412), (550, 17433), (558, 17457), (577, 17523), (592, 17577), (605, 17625), (624, 17691), (656, 17856), (662, 17874), (706, 18000), (756, 18252), (757, 18255), (760, 18264), (778, 18324), (796, 18420), (800, 18468),

Gene: Target_26 Start: 17225, Stop: 19837, Start Num: 77

Candidate Starts for Target_26:

(75, 17213), (Start: 77 @17225 has 209 MA's), (90, 17264), (Start: 107 @17327 has 1 MA's), (110, 17333), (Start: 115 @17357 has 23 MA's), (128, 17399), (147, 17450), (223, 17738), (229, 17756), (252, 17846), (265, 17909), (272, 17933), (274, 17945), (282, 17996), (393, 18380), (450, 18482), (462, 18521), (467, 18536), (470, 18548), (480, 18572), (566, 18800), (598, 18902), (605, 18923), (617, 18965), (640, 19064), (651, 19127), (717, 19346), (725, 19379), (778, 19661), (794, 19748), (798, 19787),

Gene: TarsusIV_26 Start: 16638, Stop: 19166, Start Num: 86

Candidate Starts for TarsusIV_26:

(Start: 86 @16638 has 90 MA's), (96, 16677), (97, 16683), (118, 16764), (122, 16779), (135, 16818), (150, 16863), (190, 16989), (194, 17010), (197, 17019), (207, 17040), (217, 17073), (237, 17148), (247, 17187), (248, 17190), (249, 17199), (253, 17220), (257, 17235), (259, 17247), (261, 17265),

(272, 17298), (276, 17319), (279, 17340), (280, 17343), (315, 17529), (325, 17571), (326, 17580), (336, 17625), (341, 17646), (358, 17712), (366, 17751), (395, 17844), (424, 17937), (429, 17949), (465, 18081), (474, 18117), (488, 18144), (504, 18165), (505, 18168), (558, 18318), (569, 18339), (613, 18468), (618, 18483), (622, 18501), (637, 18561), (647, 18609), (695, 18714), (711, 18747), (728, 18771), (750, 18888), (769, 18966), (798, 19113),

Gene: Tasp14_25 Start: 16593, Stop: 19064, Start Num: 77

Candidate Starts for Tasp14_25:

(Start: 77 @16593 has 209 MA's), (90, 16632), (Start: 107 @16695 has 1 MA's), (Start: 115 @16725 has 23 MA's), (Start: 121 @16746 has 10 MA's), (128, 16767), (176, 16797), (182, 16821), (201, 16887), (252, 17085), (258, 17118), (274, 17184), (321, 17439), (325, 17460), (331, 17487), (402, 17646), (428, 17682), (467, 17775), (473, 17796), (497, 17853), (543, 17973), (554, 18009), (566, 18039), (578, 18075), (598, 18141), (605, 18162), (640, 18303), (675, 18444), (683, 18465), (723, 18600), (752, 18777), (778, 18888), (790, 18954), (794, 18975), (798, 19014), (800, 19044),

Gene: Taurus_27 Start: 15978, Stop: 19004, Start Num: 17

Candidate Starts for Taurus_27:

(11, 15924), (Start: 17 @15978 has 84 MA's), (36, 16092), (48, 16158), (49, 16161), (51, 16170), (60, 16206), (69, 16257), (93, 16329), (106, 16401), (141, 16521), (142, 16524), (158, 16593), (170, 16638), (197, 16731), (203, 16740), (209, 16758), (217, 16785), (233, 16848), (237, 16860), (245, 16893), (249, 16911), (261, 16977), (264, 16980), (267, 16986), (269, 17001), (272, 17010), (274, 17022), (276, 17031), (288, 17109), (292, 17124), (315, 17241), (316, 17244), (323, 17271), (325, 17283), (336, 17337), (341, 17358), (358, 17424), (366, 17463), (395, 17556), (411, 17604), (424, 17649), (438, 17697), (452, 17739), (453, 17748), (462, 17778), (463, 17781), (465, 17793), (484, 17850), (488, 17856), (504, 17877), (505, 17880), (555, 18018), (558, 18030), (585, 18090), (604, 18147), (640, 18285), (643, 18306), (647, 18330), (656, 18375), (662, 18393), (678, 18441), (681, 18453), (701, 18495), (718, 18558), (734, 18615), (744, 18684), (751, 18720), (770, 18801), (796, 18936),

Gene: Temprado_29 Start: 16733, Stop: 18937, Start Num: 76

Candidate Starts for Temprado_29:

(42, 16574), (64, 16688), (Start: 76 @16733 has 49 MA's), (Start: 107 @16844 has 1 MA's), (165, 17000), (210, 17147), (214, 17159), (252, 17309), (258, 17342), (278, 17432), (290, 17501), (341, 17744), (476, 17882), (543, 18002), (610, 18155), (638, 18218), (648, 18260), (678, 18359), (683, 18380), (690, 18401), (700, 18422), (714, 18473), (717, 18485), (722, 18500), (738, 18581), (750, 18659),

Gene: Teodoridan_22 Start: 15736, Stop: 18207, Start Num: 77

Candidate Starts for Teodoridan_22:

(Start: 77 @15736 has 209 MA's), (90, 15775), (Start: 107 @15838 has 1 MA's), (Start: 115 @15868 has 23 MA's), (Start: 121 @15889 has 10 MA's), (128, 15910), (133, 15922), (176, 15940), (201, 16030), (252, 16228), (258, 16261), (274, 16327), (321, 16582), (325, 16603), (331, 16630), (402, 16789), (428, 16825), (467, 16918), (473, 16939), (497, 16996), (543, 17116), (554, 17152), (566, 17182), (578, 17218), (598, 17284), (605, 17305), (640, 17446), (675, 17587), (683, 17608), (723, 17743), (752, 17920), (778, 18031), (794, 18118), (798, 18157), (799, 18172),

Gene: Terrific_30 Start: 17127, Stop: 19634, Start Num: 86

Candidate Starts for Terrific_30:

(Start: 86 @17127 has 90 MA's), (Start: 114 @17238 has 5 MA's), (132, 17295), (194, 17481), (217, 17544), (224, 17577), (226, 17583), (269, 17763), (272, 17772), (276, 17793), (279, 17814), (280, 17817), (282, 17835), (293, 17895), (315, 18003), (325, 18045), (336, 18099), (341, 18120), (356, 18183), (358, 18186), (361, 18204), (366, 18225), (424, 18411), (430, 18426), (435, 18453), (453, 18510), (458, 18525), (459, 18531), (462, 18540), (464, 18546), (469, 18576), (477, 18597), (505,

18642), (508, 18648), (518, 18681), (528, 18708), (555, 18780), (558, 18792), (585, 18852), (596, 18879), (613, 18942), (626, 18987), (630, 18999), (637, 19035), (646, 19071), (650, 19104), (688, 19167), (701, 19191), (746, 19335), (769, 19434), (788, 19521), (802, 19620),

Gene: Texage_25 Start: 16044, Stop: 19082, Start Num: 16

Candidate Starts for Texage_25:

(Start: 16 @16044 has 33 MA's), (46, 16218), (49, 16230), (54, 16263), (106, 16470), (112, 16491), (141, 16590), (142, 16593), (197, 16803), (207, 16824), (217, 16857), (233, 16920), (237, 16932), (245, 16965), (249, 16983), (253, 17004), (264, 17052), (267, 17058), (269, 17073), (272, 17082), (274, 17094), (276, 17103), (292, 17196), (315, 17313), (316, 17316), (323, 17343), (325, 17355), (336, 17409), (341, 17430), (358, 17496), (366, 17535), (411, 17676), (424, 17721), (452, 17811), (453, 17820), (462, 17850), (477, 17907), (484, 17922), (504, 17949), (505, 17952), (513, 17970), (553, 18081), (585, 18162), (604, 18219), (616, 18261), (640, 18357), (643, 18378), (647, 18402), (656, 18447), (662, 18465), (678, 18513), (681, 18525), (701, 18567), (704, 18579), (717, 18627), (751, 18798), (762, 18858), (768, 18870), (776, 18897), (780, 18918), (796, 19014), (800, 19062),

Gene: Thanksgivukkah_25 Start: 15889, Stop: 18489, Start Num: 74

Candidate Starts for Thanksgivukkah_25:

(Start: 74 @15889 has 124 MA's), (Start: 115 @16030 has 23 MA's), (Start: 121 @16048 has 10 MA's), (180, 16255), (189, 16294), (196, 16324), (229, 16441), (237, 16468), (252, 16531), (265, 16594), (276, 16639), (282, 16681), (299, 16765), (387, 17032), (415, 17083), (432, 17128), (460, 17206), (470, 17239), (472, 17245), (481, 17266), (545, 17413), (550, 17434), (558, 17458), (577, 17524), (592, 17578), (605, 17626), (624, 17692), (656, 17857), (662, 17875), (706, 18001), (756, 18253), (757, 18256), (760, 18265), (778, 18325), (796, 18421), (800, 18469),

Gene: TheloniousMonk_26 Start: 17647, Stop: 20478, Start Num: 79

Candidate Starts for TheloniousMonk_26:

(Start: 79 @17647 has 8 MA's), (83, 17662), (98, 17716), (198, 17959), (203, 17974), (217, 18019), (242, 18139), (246, 18157), (254, 18205), (261, 18250), (274, 18295), (275, 18298), (282, 18346), (316, 18529), (320, 18556), (335, 18640), (345, 18697), (349, 18715), (362, 18760), (369, 18796), (383, 18856), (399, 18904), (416, 18967), (417, 18970), (451, 19087), (461, 19123), (467, 19150), (470, 19162), (477, 19180), (484, 19195), (506, 19258), (549, 19387), (564, 19432), (572, 19465), (575, 19477), (636, 19702), (655, 19789), (656, 19792), (662, 19810), (723, 20014), (752, 20191), (778, 20302), (794, 20389), (798, 20428), (799, 20443),

Gene: Thor_24 Start: 16468, Stop: 18939, Start Num: 77

Candidate Starts for Thor_24:

(Start: 77 @16468 has 209 MA's), (90, 16507), (Start: 107 @16570 has 1 MA's), (Start: 115 @16600 has 23 MA's), (Start: 121 @16621 has 10 MA's), (128, 16642), (176, 16672), (182, 16696), (187, 16717), (201, 16762), (252, 16960), (258, 16993), (274, 17059), (321, 17314), (325, 17335), (331, 17362), (334, 17377), (339, 17401), (388, 17488), (402, 17521), (428, 17557), (467, 17650), (473, 17671), (480, 17686), (491, 17707), (493, 17710), (518, 17779), (529, 17815), (543, 17848), (554, 17884), (566, 17914), (578, 17950), (598, 18016), (605, 18037), (640, 18178), (675, 18319), (683, 18340), (723, 18475), (741, 18571), (752, 18652), (778, 18763), (794, 18850), (798, 18889), (799, 18904),

Gene: Tiffany_27 Start: 15873, Stop: 18899, Start Num: 17

Candidate Starts for Tiffany_27:

(11, 15819), (Start: 17 @15873 has 84 MA's), (36, 15987), (48, 16053), (49, 16056), (51, 16065), (60, 16101), (69, 16152), (93, 16224), (106, 16296), (141, 16416), (142, 16419), (158, 16488), (170, 16533), (197, 16626), (203, 16635), (209, 16653), (217, 16680), (233, 16743), (237, 16755), (245, 16788), (249, 16806), (261, 16872), (264, 16875), (267, 16881), (269, 16896), (272, 16905), (274, 16917), (276, 16926), (288, 17004), (292, 17019), (315, 17136), (316, 17139), (323, 17166), (325,

17178), (336, 17232), (341, 17253), (358, 17319), (366, 17358), (395, 17451), (411, 17499), (424, 17544), (438, 17592), (452, 17634), (453, 17643), (462, 17673), (463, 17676), (465, 17688), (484, 17745), (488, 17751), (504, 17772), (505, 17775), (555, 17913), (558, 17925), (585, 17985), (604, 18042), (640, 18180), (643, 18201), (647, 18225), (656, 18270), (662, 18288), (678, 18336), (681, 18348), (701, 18390), (718, 18453), (734, 18510), (744, 18579), (751, 18615), (770, 18696), (796, 18831),

Gene: Timothy_26 Start: 17157, Stop: 19703, Start Num: 71

Candidate Starts for Timothy_26:

(Start: 71 @17157 has 22 MA's), (Start: 78 @17175 has 2 MA's), (127, 17349), (Start: 129 @17358 has 1 MA's), (166, 17433), (206, 17541), (211, 17556), (212, 17559), (217, 17577), (233, 17640), (237, 17652), (252, 17715), (265, 17778), (269, 17793), (272, 17802), (276, 17823), (280, 17847), (282, 17862), (300, 17949), (302, 17952), (307, 17967), (310, 17988), (312, 18000), (321, 18066), (329, 18108), (334, 18129), (335, 18138), (341, 18162), (371, 18243), (374, 18252), (378, 18264), (393, 18306), (422, 18363), (442, 18417), (481, 18525), (495, 18564), (546, 18705), (580, 18801), (589, 18822), (602, 18855), (613, 18888), (614, 18891), (639, 18975), (648, 19020), (649, 19023), (680, 19137), (690, 19170), (714, 19242), (724, 19278), (738, 19350), (750, 19428), (760, 19482), (769, 19506), (795, 19617),

Gene: Timshel_26 Start: 17496, Stop: 20864, Start Num: 3

Candidate Starts for Timshel_26:

(Start: 3 @17496 has 4 MA's), (15, 17625), (20, 17679), (27, 17721), (59, 17883), (95, 18033), (116, 18135), (153, 18270), (207, 18468), (224, 18534), (232, 18561), (233, 18564), (237, 18576), (252, 18639), (253, 18648), (258, 18672), (267, 18702), (276, 18747), (280, 18771), (310, 18915), (315, 18957), (322, 18984), (325, 18999), (333, 19038), (336, 19053), (341, 19074), (353, 19131), (358, 19140), (360, 19149), (376, 19224), (401, 19290), (426, 19368), (440, 19422), (459, 19485), (464, 19500), (469, 19530), (473, 19542), (474, 19545), (482, 19563), (488, 19572), (492, 19587), (496, 19605), (505, 19638), (513, 19656), (536, 19719), (556, 19785), (558, 19794), (559, 19797), (562, 19806), (565, 19809), (567, 19818), (568, 19827), (577, 19860), (579, 19872), (588, 19896), (596, 19926), (617, 20004), (619, 20016), (622, 20025), (624, 20028), (626, 20037), (628, 20046), (643, 20124), (647, 20148), (656, 20193), (662, 20211), (679, 20268), (685, 20286), (689, 20310), (693, 20319), (701, 20340), (708, 20361), (710, 20373), (716, 20394), (723, 20433), (731, 20466), (745, 20547), (751, 20580), (760, 20631), (768, 20652), (775, 20676), (788, 20742), (792, 20757), (793, 20763),

Gene: TinaFeyge_25 Start: 16023, Stop: 18482, Start Num: 115

Candidate Starts for TinaFeyge_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (154, 16155), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (481, 17259), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: TinyPebbles_27 Start: 16062, Stop: 19088, Start Num: 17

Candidate Starts for TinyPebbles_27:

(11, 16008), (Start: 17 @16062 has 84 MA's), (36, 16176), (48, 16242), (49, 16245), (51, 16254), (60, 16290), (69, 16341), (93, 16413), (106, 16485), (141, 16605), (142, 16608), (158, 16677), (170, 16722), (197, 16815), (203, 16824), (209, 16842), (217, 16869), (233, 16932), (237, 16944), (245, 16977), (249, 16995), (261, 17061), (264, 17064), (267, 17070), (269, 17085), (272, 17094), (274, 17106), (276, 17115), (288, 17193), (292, 17208), (315, 17325), (316, 17328), (323, 17355), (325, 17367), (336, 17421), (341, 17442), (358, 17508), (366, 17547), (395, 17640), (411, 17688), (424,

17733), (438, 17781), (452, 17823), (453, 17832), (462, 17862), (463, 17865), (465, 17877), (484, 17934), (488, 17940), (504, 17961), (505, 17964), (555, 18102), (558, 18114), (585, 18174), (604, 18231), (640, 18369), (643, 18390), (647, 18414), (656, 18459), (662, 18477), (678, 18525), (681, 18537), (701, 18579), (718, 18642), (734, 18699), (744, 18768), (751, 18804), (770, 18885), (796, 19020),

Gene: TinyTimmy_26 Start: 17200, Stop: 19746, Start Num: 71

Candidate Starts for TinyTimmy_26:

(Start: 71 @17200 has 22 MA's), (Start: 78 @17218 has 2 MA's), (127, 17392), (Start: 129 @17401 has 1 MA's), (166, 17476), (189, 17530), (206, 17584), (211, 17599), (212, 17602), (217, 17620), (233, 17683), (237, 17695), (252, 17758), (265, 17821), (269, 17836), (272, 17845), (276, 17866), (280, 17890), (282, 17905), (300, 17992), (302, 17995), (307, 18010), (310, 18031), (312, 18043), (321, 18109), (329, 18151), (334, 18172), (335, 18181), (341, 18205), (371, 18286), (374, 18295), (378, 18307), (393, 18349), (422, 18406), (442, 18460), (481, 18568), (495, 18607), (546, 18748), (580, 18844), (589, 18865), (602, 18898), (613, 18931), (614, 18934), (639, 19018), (648, 19063), (649, 19066), (680, 19180), (690, 19213), (714, 19285), (724, 19321), (738, 19393), (750, 19471), (760, 19525), (769, 19549), (795, 19660),

Gene: Tinybot_24 Start: 16003, Stop: 18462, Start Num: 115

Candidate Starts for Tinybot_24:

(Start: 74 @15862 has 124 MA's), (Start: 115 @16003 has 23 MA's), (Start: 121 @16021 has 10 MA's), (164, 16177), (180, 16228), (189, 16267), (196, 16297), (229, 16414), (237, 16441), (252, 16504), (265, 16567), (276, 16612), (282, 16654), (299, 16738), (339, 16921), (387, 17005), (415, 17056), (432, 17101), (460, 17179), (470, 17212), (472, 17218), (527, 17332), (545, 17386), (558, 17431), (576, 17491), (592, 17551), (624, 17665), (656, 17830), (662, 17848), (706, 17974), (756, 18226), (757, 18229), (760, 18238), (777, 18295), (778, 18298), (785, 18343), (796, 18394), (800, 18442),

Gene: TipsytheTRex_25 Start: 15744, Stop: 18260, Start Num: 86

Candidate Starts for TipsytheTRex_25:

(Start: 86 @15744 has 90 MA's), (Start: 114 @15855 has 5 MA's), (134, 15921), (135, 15924), (137, 15927), (194, 16113), (197, 16122), (203, 16131), (237, 16251), (249, 16302), (260, 16359), (264, 16371), (267, 16377), (269, 16392), (274, 16413), (276, 16422), (283, 16470), (315, 16632), (323, 16662), (325, 16674), (333, 16713), (336, 16728), (341, 16749), (353, 16806), (358, 16815), (363, 16842), (393, 16941), (424, 17040), (430, 17055), (453, 17139), (459, 17160), (469, 17205), (504, 17268), (505, 17271), (518, 17310), (522, 17322), (528, 17337), (558, 17421), (585, 17481), (596, 17508), (613, 17571), (618, 17586), (626, 17616), (647, 17712), (664, 17778), (707, 17841), (760, 18036), (761, 18039), (769, 18060), (800, 18237), (802, 18246),

Gene: TiroTheta9_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for TiroTheta9_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (344, 16965), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (470, 17232), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (578, 17520), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Toaka_25 Start: 15938, Stop: 18865, Start Num: 31

Candidate Starts for Toaka_25:

(Start: 31 @15938 has 33 MA's), (35, 15950), (41, 15980), (67, 16109), (124, 16340), (141, 16394), (176, 16523), (199, 16610), (203, 16616), (205, 16622), (237, 16736), (241, 16757), (245, 16769),

(249, 16787), (258, 16832), (261, 16853), (264, 16856), (269, 16877), (274, 16898), (276, 16907), (277, 16919), (278, 16922), (285, 16967), (292, 17000), (294, 17012), (315, 17117), (336, 17213), (341, 17234), (342, 17243), (344, 17255), (350, 17279), (353, 17291), (358, 17300), (360, 17309), (366, 17339), (384, 17402), (395, 17432), (403, 17459), (459, 17645), (469, 17690), (477, 17711), (484, 17726), (488, 17732), (504, 17753), (505, 17756), (523, 17810), (546, 17864), (551, 17882), (558, 17906), (585, 17966), (613, 18056), (617, 18068), (624, 18092), (626, 18101), (640, 18167), (650, 18233), (656, 18257), (701, 18377), (729, 18470), (744, 18548), (749, 18575), (751, 18584), (755, 18623), (759, 18632), (760, 18635), (784, 18734), (796, 18788), (797, 18800), (801, 18842),

Gene: Todacoro_26 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for Todacoro_26:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (203, 16811), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Tomathan_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for Tomathan_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (301, 17312), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (465, 17945), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: ToneTone_27 Start: 16647, Stop: 18863, Start Num: 76

Candidate Starts for ToneTone_27:

(64, 16602), (Start: 76 @16647 has 49 MA's), (Start: 107 @16758 has 1 MA's), (165, 16914), (210, 17061), (214, 17073), (251, 17220), (252, 17223), (258, 17256), (278, 17346), (290, 17415), (308, 17490), (341, 17658), (543, 17916), (559, 17961), (610, 18069), (638, 18132), (648, 18174), (678, 18273), (683, 18294), (700, 18336), (714, 18387), (722, 18414), (738, 18495), (750, 18585),

Gene: Topanga_25 Start: 16006, Stop: 18558, Start Num: 121

Candidate Starts for Topanga_25:

(Start: 74 @15829 has 124 MA's), (Start: 121 @16006 has 10 MA's), (128, 16027), (136, 16051), (146, 16081), (147, 16084), (149, 16093), (157, 16132), (161, 16147), (168, 16171), (182, 16216), (192, 16258), (204, 16291), (207, 16300), (219, 16354), (233, 16408), (236, 16417), (240, 16441), (247, 16462), (266, 16567), (274, 16609), (423, 17131), (459, 17251), (470, 17296), (471, 17299), (472, 17302), (483, 17326), (505, 17371), (521, 17407), (533, 17446), (545, 17479), (578, 17593), (617, 17734), (624, 17758), (640, 17833), (650, 17899), (656, 17923), (662, 17941), (681, 18007), (701, 18061), (706, 18073), (711, 18088), (718, 18109), (720, 18121), (760, 18334), (771, 18370), (777, 18391), (778, 18394), (796, 18490), (800, 18538),

Gene: Topgun_24 Start: 16077, Stop: 18692, Start Num: 77

Candidate Starts for Topgun_24:

(Start: 77 @16077 has 209 MA's), (90, 16116), (Start: 107 @16179 has 1 MA's), (110, 16185), (Start: 115 @16209 has 23 MA's), (186, 16317), (237, 16488), (251, 16548), (252, 16551), (277, 16674), (282, 16704), (295, 16767), (341, 16986), (359, 17058), (376, 17106), (397, 17151), (466, 17376), (467, 17385), (480, 17421), (489, 17436), (497, 17463), (567, 17667), (603, 17781), (605, 17790), (612, 17811), (617, 17832), (640, 17931), (648, 17973), (649, 17976), (688, 18105), (714, 18189), (726, 18234), (752, 18405), (778, 18516), (794, 18603), (798, 18642), (799, 18657),

Gene: Toro_28 Start: 17560, Stop: 20943, Start Num: 3

Candidate Starts for Toro_28:

(Start: 3 @17560 has 4 MA's), (59, 17947), (70, 18004), (101, 18136), (104, 18148), (116, 18199), (155, 18346), (205, 18529), (207, 18535), (217, 18568), (220, 18580), (244, 18673), (249, 18694), (252, 18706), (283, 18862), (287, 18886), (303, 18949), (315, 19024), (325, 19066), (336, 19120), (341, 19141), (353, 19198), (356, 19204), (358, 19207), (376, 19291), (382, 19306), (393, 19333), (395, 19339), (424, 19432), (429, 19444), (430, 19447), (469, 19597), (474, 19612), (482, 19630), (492, 19654), (496, 19672), (497, 19675), (536, 19786), (555, 19849), (556, 19852), (573, 19909), (574, 19915), (588, 19963), (596, 19993), (617, 20071), (619, 20083), (622, 20092), (628, 20113), (643, 20191), (656, 20260), (662, 20278), (676, 20329), (685, 20365), (686, 20377), (699, 20410), (708, 20440), (712, 20461), (723, 20512), (731, 20545), (745, 20626), (751, 20659), (754, 20689), (768, 20731), (775, 20755), (788, 20821), (792, 20836), (793, 20842), (798, 20893),

Gene: Tote_26 Start: 16832, Stop: 19303, Start Num: 77

Candidate Starts for Tote_26:

(Start: 77 @16832 has 209 MA's), (90, 16871), (Start: 107 @16934 has 1 MA's), (Start: 115 @16964 has 23 MA's), (Start: 121 @16985 has 10 MA's), (128, 17006), (133, 17018), (176, 17036), (201, 17126), (252, 17324), (258, 17357), (274, 17423), (321, 17678), (325, 17699), (331, 17726), (402, 17885), (428, 17921), (467, 18014), (473, 18035), (497, 18092), (543, 18212), (554, 18248), (566, 18278), (578, 18314), (598, 18380), (605, 18401), (640, 18542), (675, 18683), (683, 18704), (723, 18839), (752, 19016), (778, 19127), (790, 19193), (794, 19214), (798, 19253), (799, 19268),

Gene: Traft412_26 Start: 17302, Stop: 19782, Start Num: 77

Candidate Starts for Traft412_26:

(Start: 77 @17302 has 209 MA's), (90, 17341), (100, 17386), (Start: 107 @17404 has 1 MA's), (110, 17410), (Start: 115 @17434 has 23 MA's), (128, 17476), (223, 17683), (229, 17701), (252, 17791), (265, 17854), (274, 17890), (282, 17941), (393, 18325), (450, 18427), (462, 18466), (467, 18481), (470, 18493), (480, 18517), (566, 18745), (598, 18847), (605, 18868), (617, 18910), (640, 19009), (651, 19072), (717, 19291), (725, 19324), (778, 19606), (790, 19672), (794, 19693), (798, 19732), (799, 19747),

Gene: Travvers_29 Start: 16508, Stop: 19021, Start Num: 86

Candidate Starts for Travvers_29:

(Start: 86 @16508 has 90 MA's), (135, 16688), (137, 16691), (216, 16934), (217, 16937), (232, 16997), (237, 17012), (244, 17042), (245, 17045), (261, 17129), (269, 17153), (275, 17177), (279, 17204), (280, 17207), (303, 17318), (315, 17393), (322, 17420), (325, 17435), (336, 17489), (341, 17510), (358, 17576), (361, 17594), (363, 17603), (393, 17702), (403, 17735), (407, 17744), (424, 17801), (430, 17816), (459, 17921), (505, 18032), (512, 18044), (513, 18050), (522, 18083), (523, 18086), (569, 18203), (613, 18332), (618, 18347), (626, 18377), (630, 18389), (637, 18425), (664, 18539), (678, 18551), (703, 18593), (761, 18800), (768, 18818), (769, 18821), (802, 19007),

Gene: Treddle_26 Start: 17623, Stop: 20094, Start Num: 77

Candidate Starts for Treddle_26:

(Start: 77 @17623 has 209 MA's), (90, 17662), (Start: 107 @17725 has 1 MA's), (Start: 115 @17755 has 23 MA's), (Start: 121 @17776 has 10 MA's), (128, 17797), (133, 17809), (176, 17827), (201, 17917), (252, 18115), (258, 18148), (274, 18214), (321, 18469), (325, 18490), (331, 18517), (339,

18556), (354, 18613), (388, 18643), (402, 18676), (428, 18712), (467, 18805), (473, 18826), (497, 18883), (543, 19003), (554, 19039), (566, 19069), (578, 19105), (598, 19171), (605, 19192), (617, 19234), (640, 19333), (675, 19474), (683, 19495), (741, 19726), (752, 19807), (778, 19918), (794, 20005), (798, 20044), (800, 20074),

Gene: Trike_23 Start: 13972, Stop: 16527, Start Num: 121

Candidate Starts for Trike_23:

(Start: 74 @13795 has 124 MA's), (Start: 121 @13972 has 10 MA's), (128, 13993), (146, 14047), (149, 14059), (192, 14221), (200, 14242), (204, 14254), (213, 14284), (219, 14317), (230, 14362), (236, 14380), (239, 14395), (240, 14404), (247, 14425), (266, 14530), (274, 14572), (305, 14737), (333, 14899), (423, 15103), (436, 15148), (459, 15223), (471, 15271), (472, 15274), (481, 15295), (483, 15298), (505, 15343), (533, 15418), (535, 15421), (543, 15442), (549, 15466), (569, 15532), (577, 15562), (579, 15574), (604, 15661), (608, 15676), (624, 15730), (640, 15805), (652, 15883), (656, 15895), (662, 15913), (673, 15952), (678, 15964), (681, 15976), (697, 16018), (701, 16030), (706, 16042), (711, 16057), (718, 16078), (720, 16090), (760, 16303), (778, 16363), (785, 16408), (796, 16459), (800, 16507),

Gene: Tripl3t_25 Start: 17314, Stop: 19713, Start Num: 77

Candidate Starts for Tripl3t_25:

(Start: 77 @17314 has 209 MA's), (90, 17353), (Start: 107 @17416 has 1 MA's), (Start: 115 @17446 has 23 MA's), (Start: 121 @17467 has 10 MA's), (128, 17488), (133, 17500), (140, 17518), (187, 17563), (201, 17608), (252, 17806), (258, 17839), (274, 17905), (324, 18160), (330, 18181), (335, 18208), (345, 18247), (393, 18304), (423, 18334), (500, 18496), (560, 18649), (566, 18661), (573, 18676), (604, 18793), (617, 18838), (621, 18859), (623, 18862), (651, 19012), (656, 19027), (675, 19093), (690, 19135), (741, 19345), (752, 19426), (778, 19537), (794, 19624), (798, 19663), (800, 19693),

Gene: Tristan_27 Start: 18372, Stop: 20768, Start Num: 108

Candidate Starts for Tristan_27:

(Start: 108 @18372 has 6 MA's), (Start: 114 @18390 has 5 MA's), (123, 18423), (126, 18429), (152, 18525), (162, 18567), (183, 18630), (184, 18633), (213, 18723), (217, 18738), (222, 18768), (223, 18777), (234, 18813), (237, 18822), (252, 18885), (258, 18918), (269, 18963), (274, 18984), (276, 18993), (294, 19098), (322, 19239), (394, 19407), (396, 19413), (413, 19434), (415, 19437), (434, 19485), (436, 19491), (494, 19653), (504, 19671), (559, 19827), (579, 19881), (593, 19917), (612, 19968), (628, 20028), (634, 20061), (635, 20073), (643, 20106), (644, 20109), (682, 20247), (687, 20259), (705, 20301), (718, 20337), (720, 20349), (722, 20355), (764, 20565),

Gene: Trixie_29 Start: 18274, Stop: 20811, Start Num: 86

Candidate Starts for Trixie_29:

(Start: 86 @18274 has 90 MA's), (Start: 114 @18385 has 5 MA's), (135, 18454), (188, 18619), (190, 18625), (194, 18646), (197, 18655), (215, 18700), (217, 18709), (224, 18742), (237, 18784), (248, 18826), (249, 18835), (253, 18856), (259, 18883), (261, 18901), (276, 18955), (279, 18976), (280, 18979), (315, 19165), (325, 19207), (328, 19225), (339, 19273), (341, 19282), (358, 19348), (363, 19375), (366, 19387), (384, 19450), (390, 19465), (408, 19519), (424, 19573), (438, 19621), (457, 19684), (459, 19693), (469, 19738), (474, 19753), (488, 19780), (489, 19783), (505, 19804), (508, 19810), (514, 19825), (546, 19912), (569, 19975), (579, 19996), (613, 20104), (618, 20119), (626, 20149), (630, 20161), (637, 20197), (655, 20287), (703, 20368), (707, 20377), (711, 20386), (745, 20497), (750, 20527), (768, 20608), (769, 20611),

Gene: Trooper_26 Start: 16433, Stop: 18964, Start Num: 86

Candidate Starts for Trooper_26:

(Start: 86 @16433 has 90 MA's), (96, 16472), (97, 16478), (134, 16610), (135, 16613), (139, 16622), (147, 16646), (190, 16790), (194, 16811), (197, 16820), (205, 16835), (207, 16841), (217, 16874),

(224, 16907), (237, 16949), (248, 16991), (249, 17000), (259, 17048), (261, 17066), (272, 17099), (276, 17120), (279, 17141), (280, 17144), (315, 17330), (325, 17372), (326, 17381), (341, 17447), (358, 17513), (366, 17552), (424, 17738), (430, 17753), (438, 17786), (465, 17882), (469, 17903), (488, 17945), (504, 17966), (505, 17969), (555, 18107), (558, 18119), (569, 18140), (605, 18239), (606, 18242), (613, 18269), (618, 18284), (626, 18314), (637, 18362), (647, 18410), (661, 18464), (695, 18515), (711, 18548), (728, 18572), (750, 18689), (763, 18755), (769, 18767),

Gene: Trouble_24 Start: 16670, Stop: 19141, Start Num: 77

Candidate Starts for Trouble_24:

(Start: 77 @16670 has 209 MA's), (90, 16709), (Start: 107 @16772 has 1 MA's), (Start: 115 @16802 has 23 MA's), (Start: 121 @16823 has 10 MA's), (128, 16844), (133, 16856), (176, 16874), (187, 16919), (201, 16964), (252, 17162), (258, 17195), (274, 17261), (321, 17516), (325, 17537), (331, 17564), (402, 17723), (428, 17759), (467, 17852), (473, 17873), (497, 17930), (543, 18050), (554, 18086), (566, 18116), (578, 18152), (598, 18218), (605, 18239), (640, 18380), (675, 18521), (683, 18542), (723, 18677), (752, 18854), (778, 18965), (794, 19052), (798, 19091),

Gene: TroyPia_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for TroyPia_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Tubs_27 Start: 17590, Stop: 20499, Start Num: 31

Candidate Starts for Tubs_27:

(Start: 31 @17590 has 33 MA's), (35, 17602), (47, 17662), (84, 17821), (98, 17884), (113, 17947), (124, 17989), (142, 18046), (199, 18256), (203, 18262), (208, 18277), (232, 18367), (233, 18370), (237, 18382), (248, 18424), (258, 18478), (276, 18553), (279, 18574), (280, 18577), (282, 18595), (294, 18658), (311, 18724), (315, 18763), (322, 18790), (325, 18805), (332, 18835), (336, 18859), (339, 18871), (341, 18880), (358, 18946), (366, 18985), (386, 19051), (395, 19078), (403, 19105), (424, 19171), (437, 19216), (459, 19291), (469, 19336), (477, 19357), (488, 19378), (489, 19381), (504, 19399), (505, 19402), (516, 19429), (546, 19510), (558, 19552), (613, 19702), (618, 19717), (626, 19747), (638, 19798), (655, 19885), (657, 19894), (673, 19945), (701, 20008), (708, 20029), (717, 20065), (728, 20101), (729, 20107), (744, 20185), (749, 20212), (760, 20272), (780, 20341), (784, 20371), (792, 20398), (797, 20437), (801, 20479),

Gene: Tucker_29 Start: 16733, Stop: 18949, Start Num: 76

Candidate Starts for Tucker_29:

(64, 16688), (Start: 76 @16733 has 49 MA's), (Start: 107 @16844 has 1 MA's), (165, 17000), (210, 17147), (214, 17159), (251, 17306), (252, 17309), (258, 17342), (278, 17432), (290, 17501), (308, 17576), (341, 17744), (543, 18002), (559, 18047), (610, 18155), (638, 18218), (648, 18260), (678, 18359), (683, 18380), (700, 18422), (714, 18473), (722, 18500), (738, 18581), (750, 18671),

Gene: Turbido_28 Start: 17118, Stop: 19661, Start Num: 86

Candidate Starts for Turbido_28:

(Start: 86 @17118 has 90 MA's), (135, 17298), (137, 17301), (147, 17331), (188, 17469), (190, 17475), (194, 17496), (197, 17505), (203, 17514), (207, 17526), (220, 17571), (224, 17592), (237, 17634), (249, 17685), (258, 17730), (259, 17733), (261, 17751), (272, 17784), (274, 17796), (276, 17805), (279, 17826), (280, 17829), (315, 18015), (325, 18057), (326, 18066), (328, 18075), (341, 18132), (358, 18198), (366, 18237), (395, 18330), (407, 18366), (424, 18423), (444, 18489), (453, 18522), (458, 18537), (459, 18543), (462, 18552), (465, 18567), (469, 18588), (477, 18609), (488, 18630),

(489, 18633), (504, 18651), (505, 18654), (522, 18705), (546, 18762), (551, 18780), (558, 18804), (585, 18864), (596, 18891), (613, 18954), (626, 18999), (655, 19137), (707, 19227), (711, 19236), (728, 19260), (745, 19347), (750, 19377), (769, 19461),

Gene: Turj99_23 Start: 16107, Stop: 18578, Start Num: 77

Candidate Starts for Turj99_23:

(Start: 77 @16107 has 209 MA's), (90, 16146), (Start: 107 @16209 has 1 MA's), (Start: 115 @16239 has 23 MA's), (Start: 121 @16260 has 10 MA's), (128, 16281), (133, 16293), (176, 16311), (201, 16401), (252, 16599), (258, 16632), (274, 16698), (321, 16953), (325, 16974), (331, 17001), (402, 17160), (428, 17196), (467, 17289), (473, 17310), (497, 17367), (543, 17487), (554, 17523), (566, 17553), (578, 17589), (598, 17655), (605, 17676), (640, 17817), (675, 17958), (683, 17979), (741, 18210), (752, 18291), (778, 18402), (794, 18489), (798, 18528), (800, 18558),

Gene: Twister_25 Start: 15728, Stop: 18457, Start Num: 74

Candidate Starts for Twister_25:

(Start: 74 @15728 has 124 MA's), (Start: 121 @15905 has 10 MA's), (128, 15926), (136, 15950), (146, 15980), (147, 15983), (149, 15992), (157, 16031), (161, 16046), (168, 16070), (182, 16115), (192, 16157), (204, 16190), (207, 16199), (219, 16253), (233, 16307), (236, 16316), (240, 16340), (247, 16361), (266, 16466), (274, 16508), (423, 17030), (459, 17150), (470, 17195), (471, 17198), (472, 17201), (483, 17225), (505, 17270), (521, 17306), (533, 17345), (545, 17378), (578, 17492), (617, 17633), (624, 17657), (640, 17732), (650, 17798), (656, 17822), (662, 17840), (681, 17906), (701, 17960), (706, 17972), (711, 17987), (718, 18008), (720, 18020), (760, 18233), (771, 18269), (777, 18290), (778, 18293), (796, 18389), (800, 18437),

Gene: TwoPeat_25 Start: 16622, Stop: 19102, Start Num: 77

Candidate Starts for TwoPeat_25:

(Start: 77 @16622 has 209 MA's), (90, 16661), (Start: 107 @16724 has 1 MA's), (Start: 115 @16754 has 23 MA's), (128, 16796), (223, 17003), (229, 17021), (252, 17111), (265, 17174), (272, 17198), (274, 17210), (282, 17261), (393, 17645), (450, 17747), (462, 17786), (470, 17813), (480, 17837), (529, 17966), (566, 18065), (598, 18167), (605, 18188), (608, 18200), (617, 18230), (640, 18329), (651, 18392), (678, 18482), (717, 18611), (725, 18644), (752, 18815), (778, 18926), (790, 18992), (794, 19013), (798, 19052), (800, 19082),

Gene: TygerBlood_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for TygerBlood_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (545, 17409), (550, 17430), (558, 17454), (576, 17514), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: U2_24 Start: 16511, Stop: 18979, Start Num: 77

Candidate Starts for U2_24:

(Start: 77 @16511 has 209 MA's), (83, 16526), (Start: 115 @16640 has 23 MA's), (Start: 121 @16661 has 10 MA's), (128, 16682), (176, 16712), (182, 16736), (187, 16757), (201, 16802), (252, 17000), (258, 17033), (274, 17099), (321, 17354), (325, 17375), (331, 17402), (402, 17561), (428, 17597), (467, 17690), (473, 17711), (480, 17726), (491, 17747), (493, 17750), (518, 17819), (529, 17855), (543, 17888), (554, 17924), (566, 17954), (578, 17990), (598, 18056), (605, 18077), (617, 18119), (640, 18218), (675, 18359), (683, 18380), (723, 18515), (752, 18692), (778, 18803), (794, 18890), (798, 18929), (800, 18959),

Gene: Ugenie5_24 Start: 17623, Stop: 20532, Start Num: 31

Candidate Starts for Ugenie5_24:

(Start: 31 @17623 has 33 MA's), (35, 17635), (47, 17695), (98, 17917), (113, 17980), (124, 18022), (142, 18079), (151, 18118), (199, 18289), (203, 18295), (208, 18310), (232, 18400), (233, 18403), (237, 18415), (248, 18457), (258, 18511), (276, 18586), (279, 18607), (280, 18610), (282, 18628), (294, 18691), (311, 18757), (315, 18796), (322, 18823), (325, 18838), (332, 18868), (336, 18892), (341, 18913), (358, 18979), (366, 19018), (386, 19084), (395, 19111), (403, 19138), (424, 19204), (437, 19249), (459, 19324), (469, 19369), (477, 19390), (488, 19411), (489, 19414), (504, 19432), (505, 19435), (516, 19462), (523, 19489), (546, 19543), (613, 19735), (618, 19750), (626, 19780), (638, 19831), (655, 19918), (657, 19927), (673, 19978), (701, 20041), (708, 20062), (717, 20098), (728, 20134), (729, 20140), (744, 20218), (749, 20245), (760, 20305), (780, 20374), (784, 20404), (792, 20431), (797, 20470), (801, 20512),

Gene: Ulysses_24 Start: 15606, Stop: 18206, Start Num: 74

Candidate Starts for Ulysses_24:

(Start: 74 @15606 has 124 MA's), (Start: 115 @15747 has 23 MA's), (Start: 121 @15765 has 10 MA's), (164, 15921), (180, 15972), (189, 16011), (196, 16041), (229, 16158), (237, 16185), (252, 16248), (265, 16311), (276, 16356), (282, 16398), (299, 16482), (387, 16749), (415, 16800), (432, 16845), (460, 16923), (470, 16956), (472, 16962), (527, 17076), (545, 17130), (558, 17175), (576, 17235), (592, 17295), (624, 17409), (656, 17574), (662, 17592), (706, 17718), (756, 17970), (757, 17973), (760, 17982), (778, 18042), (796, 18138), (800, 18186),

Gene: UnionJack_22 Start: 14796, Stop: 17609, Start Num: 4

Candidate Starts for UnionJack_22:

(Start: 4 @14796 has 8 MA's), (24, 14985), (136, 15468), (138, 15474), (176, 15618), (184, 15654), (213, 15744), (227, 15810), (233, 15831), (249, 15894), (252, 15906), (258, 15939), (272, 15993), (277, 16026), (280, 16038), (299, 16137), (308, 16170), (334, 16299), (389, 16413), (418, 16464), (445, 16530), (471, 16611), (475, 16623), (493, 16656), (549, 16734), (552, 16743), (599, 16809), (601, 16818), (629, 16881), (635, 16923), (654, 16995), (663, 17022), (668, 17037), (675, 17064), (687, 17085), (719, 17172), (731, 17202), (742, 17265), (756, 17364), (760, 17376), (763, 17388), (766, 17397), (796, 17544),

Gene: Updawg_28 Start: 17115, Stop: 19622, Start Num: 86

Candidate Starts for Updawg_28:

(Start: 86 @17115 has 90 MA's), (Start: 114 @17226 has 5 MA's), (132, 17283), (194, 17469), (217, 17532), (224, 17565), (226, 17571), (269, 17751), (272, 17760), (276, 17781), (279, 17802), (280, 17805), (282, 17823), (293, 17883), (315, 17991), (325, 18033), (336, 18087), (341, 18108), (356, 18171), (358, 18174), (361, 18192), (366, 18213), (424, 18399), (430, 18414), (435, 18441), (453, 18498), (458, 18513), (459, 18519), (462, 18528), (464, 18534), (469, 18564), (477, 18585), (505, 18630), (508, 18636), (518, 18669), (528, 18696), (555, 18768), (558, 18780), (585, 18840), (596, 18867), (613, 18930), (626, 18975), (630, 18987), (637, 19023), (646, 19059), (650, 19092), (688, 19155), (701, 19179), (746, 19323), (769, 19422), (788, 19509), (802, 19608),

Gene: VA6_26 Start: 16626, Stop: 19163, Start Num: 86

Candidate Starts for VA6_26:

(Start: 86 @16626 has 90 MA's), (135, 16806), (137, 16809), (150, 16857), (187, 16968), (190, 16977), (194, 16998), (197, 17007), (207, 17028), (217, 17061), (224, 17094), (249, 17187), (259, 17235), (261, 17253), (268, 17265), (272, 17286), (276, 17307), (279, 17328), (280, 17331), (315, 17517), (325, 17559), (326, 17568), (341, 17634), (358, 17700), (363, 17727), (366, 17739), (393, 17826), (424, 17925), (459, 18045), (462, 18054), (464, 18060), (465, 18069), (469, 18090), (479, 18114), (489, 18135), (505, 18156), (508, 18162), (518, 18195), (522, 18207), (546, 18264), (585, 18366), (596, 18393), (613, 18456), (707, 18729), (711, 18738), (745, 18849), (750, 18879), (769, 18963),

Gene: VC3_29 Start: 16651, Stop: 19164, Start Num: 86

Candidate Starts for VC3_29:

(Start: 86 @16651 has 90 MA's), (135, 16831), (137, 16834), (172, 16945), (217, 17080), (232, 17140), (237, 17155), (244, 17185), (245, 17188), (261, 17272), (269, 17296), (275, 17320), (279, 17347), (280, 17350), (303, 17461), (315, 17536), (322, 17563), (325, 17578), (336, 17632), (341, 17653), (358, 17719), (361, 17737), (363, 17746), (393, 17845), (403, 17878), (407, 17887), (424, 17944), (430, 17959), (459, 18064), (505, 18175), (512, 18187), (513, 18193), (522, 18226), (569, 18346), (613, 18475), (618, 18490), (626, 18520), (630, 18532), (637, 18568), (664, 18682), (678, 18694), (703, 18736), (761, 18943), (768, 18961), (769, 18964), (802, 19150),

Gene: Vanisoa_25 Start: 15668, Stop: 18586, Start Num: 31

Candidate Starts for Vanisoa_25:

(Start: 31 @15668 has 33 MA's), (35, 15680), (67, 15839), (84, 15902), (124, 16070), (141, 16124), (142, 16127), (176, 16253), (194, 16328), (197, 16337), (199, 16340), (203, 16346), (205, 16352), (237, 16466), (241, 16487), (249, 16517), (252, 16529), (258, 16562), (261, 16583), (264, 16586), (269, 16607), (274, 16628), (276, 16637), (277, 16649), (285, 16697), (292, 16730), (294, 16742), (315, 16847), (317, 16859), (329, 16910), (336, 16943), (340, 16958), (341, 16964), (342, 16973), (344, 16985), (350, 17009), (353, 17021), (358, 17030), (403, 17189), (408, 17201), (424, 17255), (459, 17375), (469, 17420), (477, 17441), (488, 17462), (489, 17465), (504, 17483), (505, 17486), (516, 17513), (523, 17540), (547, 17600), (558, 17636), (579, 17678), (613, 17786), (638, 17882), (655, 17969), (657, 17978), (673, 18029), (688, 18059), (701, 18092), (708, 18113), (717, 18152), (729, 18194), (744, 18272), (749, 18299), (760, 18359), (784, 18458), (796, 18512), (797, 18524), (801, 18566),

Gene: Veracruz_25 Start: 16043, Stop: 19081, Start Num: 16

Candidate Starts for Veracruz_25:

(Start: 16 @16043 has 33 MA's), (46, 16217), (49, 16229), (54, 16262), (106, 16469), (112, 16490), (141, 16589), (142, 16592), (197, 16802), (203, 16811), (207, 16823), (217, 16856), (233, 16919), (237, 16931), (245, 16964), (249, 16982), (253, 17003), (264, 17051), (267, 17057), (269, 17072), (272, 17081), (274, 17093), (276, 17102), (292, 17195), (315, 17312), (316, 17315), (323, 17342), (325, 17354), (336, 17408), (341, 17429), (358, 17495), (366, 17534), (411, 17675), (424, 17720), (452, 17810), (453, 17819), (462, 17849), (477, 17906), (484, 17921), (504, 17948), (505, 17951), (513, 17969), (553, 18080), (585, 18161), (604, 18218), (616, 18260), (640, 18356), (643, 18377), (647, 18401), (656, 18446), (662, 18464), (678, 18512), (681, 18524), (701, 18566), (704, 18578), (717, 18626), (751, 18797), (762, 18857), (768, 18869), (776, 18896), (780, 18917), (796, 19013), (800, 19061),

Gene: Violet_23 Start: 16915, Stop: 19386, Start Num: 77

Candidate Starts for Violet_23:

(Start: 77 @16915 has 209 MA's), (90, 16954), (Start: 107 @17017 has 1 MA's), (Start: 115 @17047 has 23 MA's), (Start: 121 @17068 has 10 MA's), (128, 17089), (133, 17101), (176, 17119), (201, 17209), (252, 17407), (258, 17440), (274, 17506), (321, 17761), (325, 17782), (331, 17809), (402, 17968), (428, 18004), (467, 18097), (473, 18118), (497, 18175), (543, 18295), (554, 18331), (566, 18361), (578, 18397), (598, 18463), (605, 18484), (640, 18625), (675, 18766), (683, 18787), (723, 18922), (752, 19099), (778, 19210), (794, 19297), (798, 19336), (800, 19366),

Gene: Vix_27 Start: 16061, Stop: 19087, Start Num: 17

Candidate Starts for Vix_27:

(11, 16007), (Start: 17 @16061 has 84 MA's), (36, 16175), (48, 16241), (49, 16244), (51, 16253), (60, 16289), (69, 16340), (93, 16412), (106, 16484), (141, 16604), (142, 16607), (158, 16676), (170, 16721), (197, 16814), (203, 16823), (209, 16841), (217, 16868), (233, 16931), (237, 16943), (245, 16976), (249, 16994), (261, 17060), (264, 17063), (267, 17069), (269, 17084), (272, 17093), (274, 17105), (276, 17114), (288, 17192), (292, 17207), (315, 17324), (316, 17327), (323, 17354), (325, 17366), (336, 17420), (341, 17441), (358, 17507), (366, 17546), (395, 17639), (411, 17687), (424,

17732), (438, 17780), (452, 17822), (453, 17831), (462, 17861), (463, 17864), (465, 17876), (484, 17933), (488, 17939), (504, 17960), (505, 17963), (555, 18101), (558, 18113), (585, 18173), (604, 18230), (640, 18368), (643, 18389), (647, 18413), (656, 18458), (662, 18476), (678, 18524), (681, 18536), (701, 18578), (718, 18641), (734, 18698), (744, 18767), (751, 18803), (770, 18884), (796, 19019),

Gene: VohminGhazi_29 Start: 16735, Stop: 18939, Start Num: 76

Candidate Starts for VohminGhazi_29:

(42, 16576), (64, 16690), (Start: 76 @16735 has 49 MA's), (Start: 107 @16846 has 1 MA's), (110, 16852), (142, 16960), (165, 17002), (184, 17068), (214, 17161), (221, 17188), (252, 17311), (258, 17344), (278, 17434), (290, 17503), (341, 17746), (476, 17884), (543, 18004), (610, 18157), (638, 18220), (648, 18262), (678, 18361), (683, 18382), (690, 18403), (700, 18424), (714, 18475), (717, 18487), (722, 18502), (738, 18583), (750, 18661),

Gene: Waits_28 Start: 15890, Stop: 18079, Start Num: 120

Candidate Starts for Waits_28:

(Start: 68 @15713 has 1 MA's), (Start: 72 @15722 has 4 MA's), (Start: 120 @15890 has 17 MA's), (208, 16133), (210, 16139), (228, 16208), (243, 16265), (276, 16409), (282, 16451), (291, 16499), (292, 16502), (314, 16613), (317, 16631), (341, 16736), (351, 16784), (425, 16889), (447, 16949), (468, 17003), (487, 17039), (498, 17063), (502, 17072), (526, 17135), (537, 17156), (542, 17171), (552, 17195), (556, 17207), (584, 17261), (592, 17282), (605, 17312), (659, 17483), (667, 17504), (700, 17588), (770, 17891), (796, 18014), (797, 18026),

Gene: WalterMcMickey_25 Start: 15905, Stop: 18457, Start Num: 121

Candidate Starts for WalterMcMickey_25:

(Start: 74 @15728 has 124 MA's), (Start: 121 @15905 has 10 MA's), (128, 15926), (136, 15950), (146, 15980), (147, 15983), (149, 15992), (157, 16031), (161, 16046), (168, 16070), (182, 16115), (192, 16157), (204, 16190), (207, 16199), (219, 16253), (233, 16307), (236, 16316), (240, 16340), (247, 16361), (266, 16466), (274, 16508), (423, 17030), (459, 17150), (470, 17195), (471, 17198), (472, 17201), (483, 17225), (505, 17270), (521, 17306), (533, 17345), (545, 17378), (578, 17492), (617, 17633), (624, 17657), (640, 17732), (650, 17798), (656, 17822), (662, 17840), (681, 17906), (701, 17960), (706, 17972), (711, 17987), (718, 18008), (720, 18020), (760, 18233), (771, 18269), (777, 18290), (778, 18293), (796, 18389), (800, 18437),

Gene: Wander_25 Start: 15885, Stop: 18485, Start Num: 74

Candidate Starts for Wander_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (481, 17262), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Warrior24_28 Start: 15894, Stop: 18083, Start Num: 120

Candidate Starts for Warrior24_28:

(Start: 68 @15717 has 1 MA's), (Start: 72 @15726 has 4 MA's), (Start: 120 @15894 has 17 MA's), (208, 16137), (210, 16143), (228, 16212), (243, 16269), (276, 16413), (282, 16455), (286, 16476), (291, 16503), (292, 16506), (314, 16617), (317, 16635), (341, 16740), (351, 16788), (425, 16893), (447, 16953), (468, 17007), (487, 17043), (498, 17067), (502, 17076), (526, 17139), (537, 17160), (542, 17175), (552, 17199), (556, 17211), (584, 17265), (592, 17286), (605, 17316), (659, 17487), (667, 17508), (700, 17592), (770, 17895), (796, 18018), (797, 18030),

Gene: Watermelon_26 Start: 17220, Stop: 19700, Start Num: 77

Candidate Starts for Watermelon_26:

(Start: 77 @17220 has 209 MA's), (90, 17259), (Start: 107 @17322 has 1 MA's), (Start: 115 @17352 has 23 MA's), (128, 17394), (223, 17601), (229, 17619), (252, 17709), (265, 17772), (272, 17796), (274, 17808), (282, 17859), (393, 18243), (450, 18345), (462, 18384), (470, 18411), (480, 18435), (529, 18564), (566, 18663), (598, 18765), (605, 18786), (617, 18828), (640, 18927), (651, 18990), (717, 19209), (725, 19242), (752, 19413), (778, 19524), (794, 19611), (798, 19650), (799, 19665),

Gene: Watson_27 Start: 15971, Stop: 18997, Start Num: 17

Candidate Starts for Watson_27:

(11, 15917), (Start: 17 @15971 has 84 MA's), (36, 16085), (48, 16151), (49, 16154), (51, 16163), (60, 16199), (69, 16250), (93, 16322), (106, 16394), (141, 16514), (142, 16517), (158, 16586), (170, 16631), (197, 16724), (203, 16733), (209, 16751), (217, 16778), (233, 16841), (237, 16853), (245, 16886), (249, 16904), (261, 16970), (264, 16973), (267, 16979), (269, 16994), (272, 17003), (274, 17015), (276, 17024), (292, 17117), (315, 17234), (316, 17237), (323, 17264), (325, 17276), (336, 17330), (341, 17351), (358, 17417), (363, 17444), (395, 17549), (411, 17597), (424, 17642), (438, 17690), (452, 17732), (453, 17741), (462, 17771), (463, 17774), (465, 17786), (484, 17843), (488, 17849), (504, 17870), (505, 17873), (555, 18011), (558, 18023), (585, 18083), (605, 18143), (613, 18173), (614, 18176), (617, 18185), (640, 18278), (656, 18368), (678, 18434), (681, 18446), (701, 18488), (718, 18551), (734, 18608), (744, 18677), (751, 18713), (770, 18794), (796, 18929),

Gene: WeiHuaDA_32 Start: 18881, Stop: 21418, Start Num: 86

Candidate Starts for WeiHuaDA_32:

(Start: 86 @18881 has 90 MA's), (Start: 114 @18992 has 5 MA's), (135, 19061), (188, 19226), (190, 19232), (194, 19253), (197, 19262), (207, 19283), (217, 19316), (219, 19325), (224, 19349), (232, 19376), (237, 19391), (248, 19433), (249, 19442), (259, 19490), (261, 19508), (269, 19532), (279, 19583), (280, 19586), (315, 19772), (325, 19814), (339, 19880), (341, 19889), (358, 19955), (366, 19994), (395, 20087), (424, 20180), (430, 20195), (459, 20300), (469, 20345), (488, 20387), (489, 20390), (505, 20411), (508, 20417), (514, 20432), (555, 20549), (569, 20582), (579, 20603), (613, 20711), (618, 20726), (626, 20756), (630, 20768), (637, 20804), (703, 20975), (707, 20984), (711, 20993), (745, 21104), (750, 21134), (768, 21215), (769, 21218),

Gene: Whabigail7_28 Start: 17106, Stop: 19649, Start Num: 86

Candidate Starts for Whabigail7_28:

(Start: 86 @17106 has 90 MA's), (135, 17286), (137, 17289), (188, 17457), (190, 17463), (194, 17484), (197, 17493), (203, 17502), (207, 17514), (220, 17559), (224, 17580), (237, 17622), (249, 17673), (258, 17718), (259, 17721), (261, 17739), (272, 17772), (274, 17784), (276, 17793), (279, 17814), (280, 17817), (315, 18003), (325, 18045), (326, 18054), (328, 18063), (341, 18120), (358, 18186), (366, 18225), (395, 18318), (407, 18354), (424, 18411), (444, 18477), (453, 18510), (458, 18525), (459, 18531), (462, 18540), (465, 18555), (469, 18576), (477, 18597), (488, 18618), (489, 18621), (504, 18639), (505, 18642), (522, 18693), (546, 18750), (551, 18768), (558, 18792), (585, 18852), (596, 18879), (613, 18942), (626, 18987), (655, 19125), (707, 19215), (711, 19224), (728, 19248), (745, 19335), (750, 19365), (769, 19449),

Gene: Wheeler_24 Start: 16677, Stop: 19154, Start Num: 79

Candidate Starts for Wheeler_24:

(Start: 79 @16677 has 8 MA's), (83, 16692), (Start: 107 @16776 has 1 MA's), (110, 16782), (Start: 115 @16806 has 23 MA's), (128, 16848), (223, 17055), (229, 17073), (252, 17163), (265, 17226), (272, 17250), (274, 17262), (282, 17313), (393, 17697), (450, 17799), (462, 17838), (470, 17865), (480, 17889), (566, 18117), (598, 18219), (605, 18240), (608, 18252), (617, 18282), (640, 18381), (651, 18444), (717, 18663), (725, 18696), (778, 18978), (794, 19065), (798, 19104), (799, 19119),

Gene: Whitspit_25 Start: 17013, Stop: 19484, Start Num: 77

Candidate Starts for Whitspit_25:

(Start: 77 @17013 has 209 MA's), (90, 17052), (Start: 107 @17115 has 1 MA's), (Start: 115 @17145 has 23 MA's), (Start: 121 @17166 has 10 MA's), (128, 17187), (133, 17199), (176, 17217), (201, 17307), (252, 17505), (258, 17538), (274, 17604), (321, 17859), (325, 17880), (331, 17907), (402, 18066), (428, 18102), (467, 18195), (473, 18216), (497, 18273), (543, 18393), (554, 18429), (566, 18459), (578, 18495), (598, 18561), (605, 18582), (640, 18723), (675, 18864), (683, 18885), (723, 19020), (752, 19197), (778, 19308), (794, 19395), (798, 19434), (799, 19449),

Gene: WideWale_28 Start: 17115, Stop: 19622, Start Num: 86

Candidate Starts for WideWale_28:

(Start: 86 @17115 has 90 MA's), (Start: 114 @17226 has 5 MA's), (132, 17283), (194, 17469), (217, 17532), (224, 17565), (226, 17571), (269, 17751), (272, 17760), (276, 17781), (279, 17802), (280, 17805), (282, 17823), (293, 17883), (315, 17991), (325, 18033), (336, 18087), (341, 18108), (356, 18171), (358, 18174), (361, 18192), (366, 18213), (424, 18399), (430, 18414), (435, 18441), (453, 18498), (458, 18513), (459, 18519), (462, 18528), (464, 18534), (469, 18564), (477, 18585), (505, 18630), (508, 18636), (518, 18669), (528, 18696), (555, 18768), (558, 18780), (585, 18840), (596, 18867), (613, 18930), (626, 18975), (630, 18987), (637, 19023), (646, 19059), (650, 19092), (688, 19155), (701, 19179), (746, 19323), (769, 19422), (788, 19509), (802, 19608),

Gene: Wiks_29 Start: 16715, Stop: 18931, Start Num: 76

Candidate Starts for Wiks_29:

(64, 16670), (Start: 76 @16715 has 49 MA's), (Start: 107 @16826 has 1 MA's), (165, 16982), (210, 17129), (214, 17141), (251, 17288), (252, 17291), (258, 17324), (278, 17414), (290, 17483), (308, 17558), (341, 17726), (543, 17984), (559, 18029), (610, 18137), (638, 18200), (648, 18242), (678, 18341), (683, 18362), (700, 18404), (714, 18455), (722, 18482), (738, 18563), (750, 18653),

Gene: Wilbur_25 Start: 16026, Stop: 18485, Start Num: 115

Candidate Starts for Wilbur_25:

(Start: 74 @15885 has 124 MA's), (Start: 115 @16026 has 23 MA's), (Start: 121 @16044 has 10 MA's), (180, 16251), (189, 16290), (196, 16320), (229, 16437), (237, 16464), (252, 16527), (265, 16590), (276, 16635), (282, 16677), (299, 16761), (387, 17028), (415, 17079), (432, 17124), (460, 17202), (470, 17235), (472, 17241), (521, 17337), (523, 17346), (545, 17409), (550, 17430), (558, 17454), (577, 17520), (592, 17574), (605, 17622), (624, 17688), (656, 17853), (662, 17871), (706, 17997), (756, 18249), (757, 18252), (760, 18261), (778, 18321), (796, 18417), (800, 18465),

Gene: Wile_25 Start: 15892, Stop: 18492, Start Num: 74

Candidate Starts for Wile_25:

(Start: 74 @15892 has 124 MA's), (184, 16282), (221, 16411), (229, 16444), (237, 16471), (252, 16534), (276, 16642), (303, 16777), (344, 16975), (396, 17062), (415, 17086), (432, 17131), (470, 17242), (472, 17248), (545, 17416), (559, 17464), (576, 17521), (592, 17581), (605, 17629), (614, 17662), (624, 17695), (628, 17713), (656, 17860), (662, 17878), (706, 18004), (733, 18094), (748, 18193), (757, 18259), (760, 18268), (778, 18328), (779, 18337), (785, 18373), (791, 18391), (796, 18424), (800, 18472),

Gene: Wilkins_24 Start: 16077, Stop: 18692, Start Num: 77

Candidate Starts for Wilkins_24:

(Start: 77 @16077 has 209 MA's), (90, 16116), (Start: 107 @16179 has 1 MA's), (110, 16185), (Start: 115 @16209 has 23 MA's), (186, 16317), (237, 16488), (251, 16548), (252, 16551), (277, 16674), (282, 16704), (295, 16767), (341, 16986), (359, 17058), (376, 17106), (397, 17151), (466, 17376), (467, 17385), (480, 17421), (489, 17436), (497, 17463), (567, 17667), (603, 17781), (605, 17790), (612, 17811), (617, 17832), (640, 17931), (648, 17973), (649, 17976), (688, 18105), (714, 18189), (726, 18234), (752, 18405), (778, 18516), (794, 18603), (798, 18642), (799, 18657),

Gene: Wizard007_25 Start: 15887, Stop: 18487, Start Num: 74

Candidate Starts for Wizard007_25:

(Start: 74 @15887 has 124 MA's), (Start: 115 @16028 has 23 MA's), (Start: 121 @16046 has 10 MA's), (180, 16253), (189, 16292), (196, 16322), (229, 16439), (237, 16466), (252, 16529), (265, 16592), (276, 16637), (282, 16679), (299, 16763), (387, 17030), (415, 17081), (432, 17126), (460, 17204), (472, 17243), (481, 17264), (545, 17411), (550, 17432), (558, 17456), (576, 17516), (577, 17522), (578, 17525), (592, 17576), (605, 17624), (624, 17690), (656, 17855), (662, 17873), (706, 17999), (756, 18251), (757, 18254), (760, 18263), (778, 18323), (796, 18419), (800, 18467),

Gene: Wolpertinger_25 Start: 17178, Stop: 19706, Start Num: 78

Candidate Starts for Wolpertinger_25:

(Start: 71 @17160 has 22 MA's), (Start: 78 @17178 has 2 MA's), (127, 17352), (Start: 129 @17361 has 1 MA's), (166, 17436), (189, 17490), (206, 17544), (211, 17559), (212, 17562), (217, 17580), (233, 17643), (237, 17655), (252, 17718), (265, 17781), (269, 17796), (272, 17805), (276, 17826), (280, 17850), (282, 17865), (300, 17952), (302, 17955), (307, 17970), (310, 17991), (312, 18003), (321, 18069), (335, 18141), (341, 18165), (371, 18246), (374, 18255), (378, 18267), (393, 18309), (422, 18366), (442, 18420), (481, 18528), (495, 18567), (546, 18708), (580, 18804), (589, 18825), (602, 18858), (613, 18891), (614, 18894), (639, 18978), (648, 19023), (649, 19026), (680, 19140), (690, 19173), (714, 19245), (724, 19281), (738, 19353), (750, 19431), (760, 19485), (769, 19509), (795, 19620),

Gene: Wooldri_29 Start: 15890, Stop: 18916, Start Num: 17

Candidate Starts for Wooldri_29:

(11, 15836), (Start: 17 @15890 has 84 MA's), (36, 16004), (48, 16070), (49, 16073), (51, 16082), (60, 16118), (69, 16169), (93, 16241), (106, 16313), (141, 16433), (142, 16436), (158, 16505), (170, 16550), (197, 16643), (203, 16652), (209, 16670), (217, 16697), (233, 16760), (237, 16772), (245, 16805), (249, 16823), (261, 16889), (264, 16892), (267, 16898), (269, 16913), (272, 16922), (274, 16934), (276, 16943), (288, 17021), (292, 17036), (315, 17153), (316, 17156), (323, 17183), (325, 17195), (336, 17249), (341, 17270), (358, 17336), (366, 17375), (395, 17468), (411, 17516), (424, 17561), (438, 17609), (452, 17651), (453, 17660), (462, 17690), (463, 17693), (465, 17705), (484, 17762), (488, 17768), (504, 17789), (505, 17792), (555, 17930), (558, 17942), (585, 18002), (604, 18059), (640, 18197), (643, 18218), (647, 18242), (656, 18287), (662, 18305), (678, 18353), (681, 18365), (701, 18407), (718, 18470), (734, 18527), (744, 18596), (751, 18632), (770, 18713), (796, 18848),

Gene: WorldCup_24 Start: 15668, Stop: 18586, Start Num: 31

Candidate Starts for WorldCup_24:

(Start: 31 @15668 has 33 MA's), (35, 15680), (67, 15839), (81, 15881), (84, 15902), (113, 16028), (124, 16070), (141, 16124), (142, 16127), (176, 16253), (194, 16328), (197, 16337), (199, 16340), (205, 16352), (247, 16505), (249, 16517), (252, 16529), (253, 16538), (258, 16562), (261, 16583), (264, 16586), (269, 16607), (274, 16628), (276, 16637), (277, 16649), (285, 16697), (294, 16742), (315, 16847), (329, 16910), (335, 16940), (336, 16943), (341, 16964), (342, 16973), (344, 16985), (350, 17009), (358, 17030), (366, 17069), (424, 17255), (429, 17267), (437, 17300), (459, 17375), (462, 17384), (469, 17420), (477, 17441), (488, 17462), (489, 17465), (504, 17483), (505, 17486), (516, 17513), (523, 17540), (547, 17600), (579, 17678), (613, 17786), (626, 17831), (638, 17882), (653, 17963), (655, 17969), (657, 17978), (673, 18029), (701, 18092), (708, 18113), (717, 18152), (729, 18194), (744, 18272), (749, 18299), (760, 18359), (769, 18383), (784, 18458), (797, 18524), (801, 18566),

Gene: WunderPhul_29 Start: 16715, Stop: 18931, Start Num: 76

Candidate Starts for WunderPhul_29:

(64, 16670), (Start: 76 @16715 has 49 MA's), (Start: 107 @16826 has 1 MA's), (165, 16982), (210, 17129), (214, 17141), (251, 17288), (252, 17291), (258, 17324), (278, 17414), (290, 17483), (308, 17558), (341, 17726), (543, 17984), (559, 18029), (610, 18137), (638, 18200), (648, 18242), (678,

18341), (683, 18362), (700, 18404), (714, 18455), (722, 18482), (738, 18563), (750, 18653),

Gene: Xena_25 Start: 15879, Stop: 18479, Start Num: 74

Candidate Starts for Xena_25:

(Start: 74 @15879 has 124 MA's), (184, 16269), (221, 16398), (229, 16431), (237, 16458), (252, 16521), (276, 16629), (303, 16764), (344, 16962), (396, 17049), (415, 17073), (432, 17118), (470, 17229), (472, 17235), (545, 17403), (559, 17451), (576, 17508), (592, 17568), (605, 17616), (614, 17649), (624, 17682), (628, 17700), (656, 17847), (662, 17865), (706, 17991), (733, 18081), (748, 18180), (757, 18246), (760, 18255), (778, 18315), (779, 18324), (785, 18360), (791, 18378), (796, 18411), (800, 18459),

Gene: XianYue_26 Start: 16577, Stop: 19105, Start Num: 86

Candidate Starts for XianYue_26:

(Start: 86 @16577 has 90 MA's), (134, 16754), (135, 16757), (137, 16760), (150, 16808), (190, 16928), (194, 16949), (197, 16958), (203, 16967), (217, 17012), (224, 17045), (232, 17072), (237, 17087), (248, 17129), (249, 17138), (253, 17159), (259, 17186), (261, 17204), (272, 17237), (276, 17258), (279, 17279), (280, 17282), (315, 17468), (325, 17510), (326, 17519), (336, 17564), (341, 17585), (358, 17651), (366, 17690), (403, 17810), (410, 17828), (424, 17876), (429, 17888), (430, 17891), (459, 17996), (464, 18011), (465, 18020), (474, 18056), (488, 18083), (489, 18086), (504, 18104), (505, 18107), (606, 18380), (613, 18407), (618, 18422), (626, 18452), (630, 18464), (637, 18500), (647, 18548), (661, 18602), (695, 18653), (711, 18686), (728, 18710), (750, 18827), (769, 18905), (802, 19091),

Gene: Yecey3_26 Start: 15697, Stop: 18618, Start Num: 31

Candidate Starts for Yecey3_26:

(Start: 14 @15568 has 1 MA's), (Start: 31 @15697 has 33 MA's), (35, 15709), (67, 15868), (81, 15910), (84, 15931), (124, 16099), (141, 16153), (142, 16156), (176, 16285), (194, 16360), (197, 16369), (199, 16372), (203, 16378), (205, 16384), (220, 16435), (237, 16498), (241, 16519), (244, 16528), (247, 16537), (249, 16549), (258, 16594), (259, 16597), (261, 16615), (264, 16618), (269, 16639), (276, 16669), (277, 16681), (285, 16729), (292, 16762), (294, 16774), (315, 16879), (327, 16936), (328, 16939), (336, 16975), (341, 16996), (342, 17005), (344, 17017), (358, 17062), (366, 17101), (384, 17164), (408, 17233), (437, 17332), (458, 17401), (459, 17407), (469, 17452), (474, 17467), (477, 17473), (504, 17515), (505, 17518), (516, 17545), (523, 17572), (573, 17698), (579, 17710), (613, 17818), (622, 17851), (626, 17863), (630, 17875), (637, 17911), (638, 17914), (650, 17980), (655, 18001), (656, 18004), (658, 18013), (668, 18043), (701, 18124), (708, 18145), (721, 18199), (729, 18226), (743, 18298), (744, 18304), (760, 18391), (763, 18403), (769, 18415), (784, 18490), (795, 18526), (797, 18556),

Gene: YoSam321_25 Start: 15882, Stop: 18482, Start Num: 74

Candidate Starts for YoSam321_25:

(Start: 74 @15882 has 124 MA's), (Start: 115 @16023 has 23 MA's), (Start: 121 @16041 has 10 MA's), (180, 16248), (189, 16287), (196, 16317), (229, 16434), (237, 16461), (252, 16524), (265, 16587), (276, 16632), (282, 16674), (299, 16758), (387, 17025), (415, 17076), (432, 17121), (460, 17199), (472, 17238), (545, 17406), (550, 17427), (558, 17451), (576, 17511), (577, 17517), (592, 17571), (605, 17619), (624, 17685), (656, 17850), (662, 17868), (706, 17994), (756, 18246), (757, 18249), (760, 18258), (778, 18318), (796, 18414), (800, 18462),

Gene: Yokurt_29 Start: 16715, Stop: 18931, Start Num: 76

Candidate Starts for Yokurt_29:

(64, 16670), (Start: 76 @16715 has 49 MA's), (Start: 107 @16826 has 1 MA's), (165, 16982), (210, 17129), (214, 17141), (251, 17288), (252, 17291), (258, 17324), (278, 17414), (290, 17483), (308, 17558), (341, 17726), (543, 17984), (559, 18029), (610, 18137), (638, 18200), (648, 18242), (678, 18341), (683, 18362), (700, 18404), (714, 18455), (722, 18482), (738, 18563), (750, 18653),

Gene: Zaka_29 Start: 16715, Stop: 18931, Start Num: 76

Candidate Starts for Zaka_29:

(64, 16670), (Start: 76 @16715 has 49 MA's), (Start: 107 @16826 has 1 MA's), (165, 16982), (210, 17129), (214, 17141), (251, 17288), (252, 17291), (258, 17324), (278, 17414), (290, 17483), (308, 17558), (341, 17726), (543, 17984), (559, 18029), (610, 18137), (638, 18200), (648, 18242), (678, 18341), (683, 18362), (700, 18404), (714, 18455), (722, 18482), (738, 18563), (750, 18653),

Gene: Zarafa_25 Start: 15557, Stop: 18595, Start Num: 16

Candidate Starts for Zarafa_25:

(Start: 16 @15557 has 33 MA's), (46, 15731), (49, 15743), (54, 15776), (106, 15986), (142, 16109), (148, 16130), (197, 16316), (217, 16370), (233, 16433), (237, 16445), (245, 16478), (249, 16496), (264, 16565), (267, 16571), (269, 16586), (272, 16595), (274, 16607), (276, 16616), (292, 16709), (315, 16826), (316, 16829), (323, 16856), (325, 16868), (336, 16922), (341, 16943), (344, 16964), (358, 17009), (366, 17048), (395, 17141), (411, 17189), (424, 17234), (430, 17249), (452, 17324), (453, 17333), (462, 17363), (465, 17378), (484, 17435), (504, 17462), (505, 17465), (558, 17615), (569, 17636), (585, 17675), (600, 17714), (613, 17765), (614, 17768), (617, 17777), (624, 17801), (640, 17870), (643, 17891), (656, 17960), (662, 17978), (678, 18026), (681, 18038), (701, 18080), (704, 18092), (717, 18140), (751, 18311), (754, 18341), (762, 18371), (770, 18392), (796, 18527), (797, 18539), (800, 18575),

Gene: Zeeculate_23 Start: 16356, Stop: 19016, Start Num: 77

Candidate Starts for Zeeculate_23:

(Start: 77 @16356 has 209 MA's), (90, 16395), (Start: 107 @16458 has 1 MA's), (Start: 115 @16488 has 23 MA's), (128, 16530), (196, 16641), (209, 16674), (252, 16839), (265, 16902), (276, 16947), (281, 16971), (295, 17046), (298, 17058), (369, 17379), (467, 17709), (489, 17760), (497, 17787), (567, 17991), (603, 18105), (605, 18114), (612, 18135), (617, 18156), (640, 18255), (648, 18297), (649, 18300), (688, 18429), (714, 18513), (726, 18558), (778, 18840), (794, 18927), (798, 18966),

Gene: Zephyr_24 Start: 16453, Stop: 18933, Start Num: 77

Candidate Starts for Zephyr_24:

(Start: 77 @16453 has 209 MA's), (90, 16492), (Start: 107 @16555 has 1 MA's), (Start: 115 @16585 has 23 MA's), (128, 16627), (223, 16834), (229, 16852), (252, 16942), (265, 17005), (272, 17029), (274, 17041), (282, 17092), (393, 17476), (450, 17578), (462, 17617), (467, 17632), (470, 17644), (480, 17668), (529, 17797), (566, 17896), (598, 17998), (605, 18019), (617, 18061), (640, 18160), (651, 18223), (678, 18313), (717, 18442), (725, 18475), (778, 18757), (790, 18823), (794, 18844), (798, 18883), (799, 18898),

Gene: Zetzy_26 Start: 15513, Stop: 18539, Start Num: 17

Candidate Starts for Zetzy_26:

(11, 15459), (Start: 17 @15513 has 84 MA's), (36, 15627), (48, 15693), (49, 15696), (51, 15705), (60, 15741), (69, 15792), (93, 15864), (106, 15936), (141, 16056), (142, 16059), (158, 16128), (170, 16173), (197, 16266), (203, 16275), (209, 16293), (217, 16320), (233, 16383), (237, 16395), (245, 16428), (249, 16446), (261, 16512), (264, 16515), (267, 16521), (269, 16536), (274, 16557), (276, 16566), (292, 16659), (315, 16776), (316, 16779), (323, 16806), (325, 16818), (336, 16872), (341, 16893), (358, 16959), (366, 16998), (395, 17091), (411, 17139), (424, 17184), (430, 17199), (452, 17274), (453, 17283), (465, 17328), (477, 17370), (504, 17412), (517, 17445), (555, 17553), (585, 17625), (605, 17685), (613, 17715), (614, 17718), (617, 17727), (656, 17910), (678, 17976), (681, 17988), (701, 18030), (718, 18093), (734, 18150), (744, 18219), (751, 18255), (770, 18336), (796, 18471), (797, 18483),

Gene: Zeuska_25 Start: 16887, Stop: 19367, Start Num: 77

Candidate Starts for Zeuska_25:

(Start: 77 @16887 has 209 MA's), (90, 16926), (Start: 107 @16989 has 1 MA's), (Start: 115 @17019 has 23 MA's), (128, 17061), (223, 17268), (229, 17286), (252, 17376), (265, 17439), (272, 17463), (274, 17475), (282, 17526), (393, 17910), (450, 18012), (462, 18051), (470, 18078), (480, 18102), (529, 18231), (566, 18330), (598, 18432), (605, 18453), (608, 18465), (617, 18495), (640, 18594), (651, 18657), (717, 18876), (725, 18909), (778, 19191), (794, 19278), (798, 19317), (799, 19332),

Gene: Zimmer_28 Start: 18207, Stop: 21335, Start Num: 9

Candidate Starts for Zimmer_28:

(1, 17961), (6, 18177), (Start: 9 @18207 has 5 MA's), (Start: 31 @18384 has 33 MA's), (35, 18396), (63, 18534), (98, 18681), (113, 18744), (124, 18786), (141, 18840), (142, 18843), (194, 19044), (197, 19053), (199, 19056), (217, 19107), (224, 19140), (235, 19176), (249, 19233), (258, 19278), (259, 19281), (261, 19299), (264, 19302), (269, 19323), (276, 19353), (284, 19404), (285, 19413), (327, 19620), (333, 19644), (336, 19659), (337, 19662), (341, 19680), (342, 19689), (344, 19701), (356, 19743), (358, 19746), (365, 19779), (366, 19785), (384, 19848), (424, 19971), (459, 20091), (468, 20130), (469, 20136), (474, 20151), (488, 20178), (489, 20181), (504, 20199), (508, 20208), (512, 20214), (525, 20262), (555, 20340), (585, 20412), (587, 20415), (591, 20427), (613, 20502), (617, 20514), (624, 20538), (626, 20547), (656, 20703), (665, 20739), (671, 20748), (701, 20823), (721, 20904), (722, 20907), (723, 20913), (751, 21060), (759, 21108), (760, 21111), (769, 21135), (797, 21276),

Gene: Zulu_29 Start: 16714, Stop: 18930, Start Num: 76

Candidate Starts for Zulu_29:

(64, 16669), (Start: 76 @16714 has 49 MA's), (Start: 107 @16825 has 1 MA's), (165, 16981), (210, 17128), (214, 17140), (251, 17287), (252, 17290), (258, 17323), (278, 17413), (290, 17482), (308, 17557), (341, 17725), (543, 17983), (559, 18028), (610, 18136), (638, 18199), (648, 18241), (678, 18340), (683, 18361), (700, 18403), (714, 18454), (722, 18481), (738, 18562), (750, 18652),